

SL1100

Programming Manual

A50-031167-003 NA ISSUE 6.0

Copyright

NEC Corporation reserves the right to change the specifications, functions, or features at any time without notice.

NEC Corporation has prepared this document for use by its employees and customers. The information contained herein is the property of NEC Corporation and shall not be reproduced without prior written approval of NEC Corporation.

Windows is a registered trademark of Microsoft Corporation.

Copyright 2011 - 2016

NEC Corporation

TABLE OF CONTENTS

Chapter 1 Introduction

Section 1	BEFORE YOU START PROGRAMMING	1-1
Section 2	HOW TO USE THIS MANUAL	1-1
Section 3	HOW TO ENTER PROGRAMMING MODE	1-2
Section 4	HOW TO EXIT PROGRAMMING MODE	1-2
Section 5	USING KEYS TO MOVE AROUND IN THE PROGRAMS	1-3
Section 6	PROGRAMMING NAMES AND TEXT MESSAGES	1-4
Section 7	USING SOFTKEYS FOR PROGRAMMING	1-4
Section 8	WHAT THE SOFTKEY DISPLAY PROMPTS MEAN	1-5
Section 9	SYSTEM NUMBER PLAN/CAPACITIES	1-5
Section 10	CONCEPT OF SLOT NUMBER	1-8

Chapter 2 Programming the SL1100

Section 1 PROGRAMMING YOUR SYSTEM	2-1
Program 10 : System Configuration Setup	2-3
10-01 : Time and Date	2-3
10-02 : Location Setup	2-4
10-03 : ETU Setup	2-5
10-04 : Music On Hold Setup	2-9
10-08 : Pre-Ringing Setup	2-10
10-09 : DTMF and Dial Tone Circuit Setup	2-11
10-12 : CPU Network Setup	. 2-13
10-13 : In-DHCP Server Setup	2-16
10-14 : Managed Network Setup	. 2-17
10-15 : Client Information Setup	. 2-18
10-16 : Option Information Setup	. 2-19
10-19 : VoIPDB DSP Resource Selection	. 2-22
10-20 : LAN Setup for External Equipment	. 2-23
10-23 : SIP System Interconnection Setup	. 2-25
10-24 : Daylight Savings Setup	. 2-26
10-26 : IP System Operation Setup	. 2-27
10-27 : IP System ID	. 2-28
10-28 : SIP System Information Setup	. 2-29
10-29 : SIP Server Information Setup	. 2-31
10-30 : SIP Authentication Information Setup (Not Used)	2-33
10-31 : Network Keep Alive Setup	. 2-34
10-33 : SIP Registrar/Proxy Information Basic Setup	. 2-35
10-36 : SIP Trunk Registration Information Setup	. 2-36
10-37 : UPnP Setup	. 2-37
10-39 : Fractional Setup	. 2-38
10-40 : IP Trunk Availability	2-39
10-42 : Virtual Loop Back Port Setting	. 2-40
10-45 : IP Routing Table Setup	. 2-41
10-46 : DR700 Server Information Setup	. 2-42
10-47 : Terminal License Server Information Setup	. 2-44
10-48 : License Activation	. 2-45
10-49 : License File Activation	. 2-46
10-50 : License Information	2-47
10-51 : PRI/T1 Selection of PRI	. 2-48
10-52 : Free/Demo License Information	2-49

10-54 : License Configuration for Each Package	2-50
10-58 : Network Address	2-51
10-60 : Audio Port Setup	2-53
10-61 : Relay Port Setup	2-54
10-62 : NetBIOS Setting	2-55
10-63 : DHCP Client Setting	2-56
10-65 : NTP Server Setting.	2-57
Program 11 : System Numbering	2-58
11-01 : System Numbering	2-58
11-02 : Extension Numbering	2-65
11-04 : Virtual Extension Numbering	2-66
11-07 : Department Group Pilot Numbers	2-67
11-09 : Trunk Access Code	2-68
11-10 : Service Code Setup (for System Administrator)	2-70
11-11 : Service Code Setup (for Setup/Entry Operation)	2-73
11-12 : Service Code Setup (for Service Access)	2-77
11-13 · Service Code Setup (for ACD)	2-81
11-14 · Service Code Setup (for Hotel)	2-83
11-15 : Service Code Setup (Idi Hoter)	2-85
11-16 : Single Digit Service Code Setup	2-87
11-17 : ACD Group Pilot Number	2-88
11-19 : Remote Conference Pilot Number Setun	2-80
11-20 : Dial Extension Analyze Table	2-03
Program 12 : Night Mode Setup	2-30
12.01 : Night Mode Eurotion Setup	2 01
12.02 : Automatic Night Service Patterns	2-01
12-02 : Wookly Night Sonico Switching	2-92
12-03 . Weekly Night Service Switching	2-94
12-04 . Holiday Nigili Service Switching	2-90
12-05 : Night Mode Group Assignment for Trupke	2-90
12-00 . Night Mode Group Assignment for Trunks	2-91
12-07 Text Data for Night Mode	2-98
12-08 : Night Mode Service Range	2-99
Program 13 : Abbreviated Dialing.	2-100
13-01 : Speed Dialing Function Setup	2-100
13-02 : Group Speed Dialing Bins	2-101
13-03 : Speed Dialing Group Assignment for Extensions	2-102
13-04 : Speed Dialing Number and Name	2-103
13-05 : Speed Dial Trunk Group	2-105
13-06 : Speed Dial Number and Name	2-106
13-11 : Abbreviated Dial Group Name	2-107
Program 14 : Trunk, Basic Setup	2-108
14-01 : Basic Trunk Data Setup	2-108
14-02 : Analog Trunk Data Setup	2-112
14-04 : Benind PBX Setup	2-115
14-05 : Irunk Group	2-116
14-06 : Irunk Group Routing	2-117
14-07 : Irunk Access Map Setup	2-119
14-08 : Music on Hold Source for Trunks	2-121
14-09 : Conversation Recording Destination for Trunks	2-122
14-11 : ID Setup for IP Trunk	2-123
14-12 : SIP Register ID Setup for IP Trunk	2-124
14-18 : IP Trunk Data Setup	2-125
Program 15 : Extension, Basic Setup	2-126
15-01 : Basic Extension Data Setup 2	2-126

15-02 : Multiline Telephone Basic Data Setup	2-128
15-03 : Single Line Telephone Basic Data Setup	2-134
15-05 : IP Telephone Terminal Basic Data Setup	2-137
15-06 : Trunk Access Map for Extensions	2-140
15-07 : Programmable Function Keys	2-141
15-08 : Incoming Virtual Extension Ring Tone Setup	2-148
15-09 : Virtual Extension Ring Assignment	2-150
15-10 : Incoming Virtual Extension Ring Tone Order Setup	2-151
15-11 : Virtual Extension Delayed Ring Assignment	2-152
15-12 : Conversation Recording Destination for Extensions	2-153
15-13 : Loop Keys	2-154
15-14 : Programmable One-Touch Keys	2-155
15-16 : SIP Register ID Setup for Extension	2-156
15-17 : CO Message Waiting Indication	2-157
15-18 : Virtual Extension Key Enhanced Options	2-158
15-22 : Mobile Extension Setup	2-160
15-24 : Registration of Standard SIP Terminal	2-161
15-28 : Trunk Incoming Ring Tone of Extension Setup	2-162
Program 16 : Department Group Setup	2-163
16-01 : Department Group Basic Data Setup	2-163
16-02 : Department Group Assignment for Extensions	2-165
16-03 : Secondary Department Group	2-166
16-04 : Call Restriction Between Department Groups	2-167
Program 20 : System Option Setup.	2-168
20-01 : System Options	2-168
20-02 : System Options for Multiline Telephones	2-170
20-03 : System Options for Single Line Telephones	2-173
20-04 : System Options for Virtual Extensions	2-175
20-06 : Class of Service for Extensions	2-176
20-07 : Class of Service Options (Administrator Level)	2-177
20-08 : Class of Service Options (Outgoing Call Service)	2-179
20-09 : Class of Service Options (Incoming Call Service)	2-181
20-10 : Class of Service Options (Answer Service).	2-183
20-11 : Class of Service Options (Hold/Transfer Service)	2-185
20-12 : Class of Service Options (Charging Cost Service)	2-187
20-13 : Class of Service Options (Supplementary Service)	2-188
20-14 : Class of Service Options for DISA/E&M.	2-192
20-15 : Ring Cycle Setup	2-194
20-16 : Selectable Display Messages	2-196
20-17 : Operator Extension	2-198
20-18 : Service Tone Timers	2-199
20-19 : System Options for Caller ID	2-200
20-20 : Message Setup for Non-Caller ID Data	2-201
20-21 : System Options for Long Conversation	2-202
20-23 : System Options for CTI	2-203
20-25 : ISDN Options	2-204
20-26 : Multiplier for Charging Cost	2-206
20-28 : Trunk to Trunk Conversation	2-207
20-29 : Timer Class for Extension	2-208
20-30 : Timer Class for Trunks	2-209
20-31 : Timer Class Timer Assignment	2-210
20-34 : Remote Conference Group Setup	2-213
20-35 : Extension's Operator Setting	2-214
20-36 : Trunk's Operator Setting	2-215
· · · ·	

20-37 : Operator Extension Group Setup	2-216
20-38 : Operator Group Setting.	2-217
20-42 : Night Mode for each package	2-218
20-43 : Power supply for each package	2-219
20-44 : Watch Mode Setup.	2-220
20-45 : Remote Watch Setup.	2-221
20-46 : Security Sensor Setup	2-222
20-47 Time pattern setting for Watch Mode	2-223
20-48 Time pattern setting for Security Sensor	2-224
20-49 : Caller ID Shared Group Basic Data Setup	2-225
20-55 : Delay Timer for Security Sensor	2-226
Program 21 : Outgoing Call Setup	2-227
21-01 : System Ontions for Outgoing Calls	2_227
21-07 : System Options for Outgoing Calis	2-221
21-02 Trunk Group Routing for Trunks	2-200
21-03 Truthk Group Routing for Truthks	2-201
21-04 TOIL Restriction Class for Extensions	2-232
21-05 Toll Restriction Class	2-233
21-06 Toll Restriction Table Data Setup	2-235
21-07 : Toll Restriction Override Password Setup	2-237
21-08 : Repeat Dial Setup	2-238
21-09 : Dial Block Setup	2-239
21-10 : Dial Block Restriction Class Per Extension	2-240
21-11 : Extension Ringdown (Hotline) Assignment	2-241
21-12 : ISDN Calling Party Number Setup for Trunks	2-242
21-13 : ISDN Calling Party Number Setup for Extensions	2-243
21-14 : Walking Toll Restriction Password Setup	2-244
21-15 : Individual Trunk Group Routing for Extensions	2-245
21-16 : Trunk Group Routing for Networking	2-246
21-17 : IP Trunk (SIP) Calling Party Number Setup for Trunk	2-247
21-19 : IP Trunk (SIP) Calling Party Number Setup for Extension	2-248
21-20 : SIP Trunk Call Discernment Setup for Extension	2-249
21-21 : Toll Restriction for Trunks (Seized Trunk Basis Setting)	2-250
21-22 : CO Message Waiting Indication - Call Back Settings	2-251
21-26 : Home NPA Setup	2-252
21-27 : HNPA Exceptions Setup	2-253
21-28 : Foreign NPA Locals Setup	2-254
Program 22 : Incoming Call Setup.	2-255
22-01 : System Options for Incoming Calls	2-255
22-02 : Incoming Call Trunk Setup.	2-257
22-03 · Trunk Ring Tone Range	2-258
22-04 Incoming Extension Ring Group Assignment	2-260
22-05 : Incoming Extension rang Group Assignment	2-261
22-06 : Normal Incoming Ring Mode	2-262
22-07 · DIL Assignment	2-263
22-07 DIL Assignment	2 264
22-00 : DID Rasic Data Setup	2-204
22-09 . DID Dasic Data Setup.	2-200
22-10. DID Translation Number Conversion	2-201
22-11. DID Intercent Ping Group	2-200
22-12 . DID Truck Croup to Translation Table Assignment	2-2/1
	2-212
22-14: VRS Delayed Wessage for IRG.	2-213
22-15: VRS Delayed Wessage for Department Group	2-2/4
22-16 : Private Call Refuse Target Area Setup	2-275
22-17 : Dial-In Conversion Table Area Setup for Time Pattern	2-276

22-18 · Private Call Assignment Setup	2-277
22-20 : Elevible Ringing by Caller ID Setun	2-278
Program 23 : Answer Features Satur	2 270
22.02 : Coll Dickup Croups	2-213
23-02 : Universal Answer/Auto Answer	2-219
23-03 Universal Answer/Auto Answer	2-280
23-04 : Ringing Line Preference for Virtual Extensions	2-281
Program 24 : Hold/Transfer Setup	2-282
24-01 : System Options for Hold	2-282
24-02 : System Options for Transfer	2-283
24-03 : Park Group	2-285
24-04 : Automatic Trunk-to-Trunk Transfer Target Setup	2-286
24-05 : Department Group Transfer Target Setup	2-287
24-09 : Call Forward Split Settings	2-288
Program 25 : VRS/DISA Setup	2-290
25-01 : VRS/DISA Line Basic Data Setup	2-290
25-02 : DID/DISA VRS Message	2-291
25-03 : VRS/DISA Transfer Ring Group With Incorrect Dialing	2-292
25-04 : VRS/DISA Transfer Ring Group With No Answer/Busy	2-293
25-05 · VRS/DISA Error Message Assignment	2-294
25-06 : VRS/DISA One-Digit Code Attendant Setun	2-295
25-07 : System Timers for VRS/DISA	2-297
25-08 : DISA User ID Setun	2_200
25-00 : DISA User ID Setup	2-233
25-09 Class of Service for DISA Users	2-300
25-10 . Thurk Gloup Routing for DISA	2-301
25-11 : DISA TOIL RESULCION Class	2-302
25-12 . Alternate Trunk Group Routing for DISA	2-303
25-15 . System Option for DisA	2-304
25-15 : DISA Transfer Target Setup	2-305
Program 26 : ARS Service	2-306
26-01 : Automatic Route Selection (ARS/F-Route) Service	2-306
26-02 : Dial Analysis Table for ARS	2-307
26-03 : ARS Dial Treatments	2-308
26-04 : ARS Class of Service	2-309
26-11 : Transit Network ID Table	2-310
26-12 : Network Specific Parameter Table for ARS	2-311
Program 30 : DSS/DLS Console Setup	2-312
30-01 : DSS Console Operating Mode	2-312
30-02 : DSS Console Extension Assignment	2-313
30-03 : DSS Console Key Assignment	2-314
30-04 : DSS Console Alternate Answer	2-319
30-05 : DSS Console Lamp Table	2-320
Program 31 : Paging Setup	2-322
31-01 : System Options for Internal/External Paging	2-322
31-02 : Internal Paging Group Assignment	2-324
31-03 · Internal Paging Group Settings	2-325
31-04 · External Paging Zone Group	2-327
31-05 : Universal Night Answer/Ring Over Page	2-328
31-06 · External Speaker Control	2-320
31-07 Combined Paging Assignments	2-330
31-08 : BGM on External Paging	2-331
31-10 : External Paging Group Rasic Setting	2-332
Program 32 : Door Boy and Sensor Setup	2-002
32.01 : Door Box Timers Setup	2-000
32-01 DOULDUX TILLEIS Setup	2-000
52-02 DOOL BOX KING ASSIGNMENT.	2-334

32-03 : Door Box Basic Setup	2-335
32-04 : Door Box Name Setup	2-336
Program 34 : Tie Line Setup	2-337
34-01 : E&M Tie Line Basic Setup	2-337
34-02 : E&M Tie Line Class of Service	2-338
34-03 : Trunk Group Routing for E&M Tie Lines	2-339
34-04 : E&M Tie Line Toll Restriction Class	2-340
34-05 : Tie Line Outgoing Call Restriction	2-341
34-06 : Add/Delete Digit for E&M Tie Line	2-342
34-07 : E&M Tie Line Timer	2-343
34-08 : Toll Restriction Data for E&M Tie Lines	2-344
34-09 : ANI/DNIS Service Options	2-345
34-10 : Digit Delete for T1 ANI.	2-348
Program 35 SMDR Account Code Setup	2-349
35-01 SMDR Options	2-349
35-02 SMDR Output Options	2-351
35-03 SMDR Port Assignment for Trunk Group	2-354
35-04 : SMDR Port Assignment for Department Groups	2-355
35-05 : Account Code Setun	2-356
35-06 : Verified Account Code Table	2_358
Program 40 : Voice Recording System	2 350
40.01 : Voice Mail Pasic Sotup	2 250
40-01. Voice Ividii Dasic Setup	
40-07 . Voice Prompt Language Assignment for VRS	
40-10 . Voice Announcement Service Option	2-301
40-11 : Preamble Message Assignment	2-303
Program 41 : ACD Selup	
41-01 : System Options for ACD	
41-02 : ACD Group and Agent Assignments	2-365
41-03 : Incoming Ring Group Assignment for ACD Group	2-366
41-05 : ACD Agent Work Schedules	2-367
41-06 : Trunk Work Schedules	2-368
41-07 : ACD Weekly Schedule Setup	2-369
41-08 : ACD Overflow Options	2-370
41-09 : ACD Overflow Table Setting	2-372
41-11 : VRS Delay Announcement	2-373
41-12 : Night Announcement Setup	2-375
41-13 : VRS Message Number for Night Announcement	2-376
41-14 : ACD Options Setup	2-377
41-16 : ACD Threshold Overflow	2-379
41-19 : ACD Voice Mail Delay Announcement	2-380
41-20 : ACD Queue Display Settings	2-381
Program 42 : Hotel Setup	2-382
42-01 : System Options for Hotel/Motel	2-382
42-02 : Hotel/Motel Telephone Setup	2-383
42-03 : Class of Service Options (Hotel/Motel)	2-384
42-04 : Hotel Mode One-Digit Service Codes	2-386
42-05 : Hotel Room Status Printer	2-387
42-09 : Flexible Setup for Room Status	2-388
Program 44 : ARS/F-Route Setup	2-389
44-01 : System Options for ARS/F-Route	2-389
44-02 : Dial Analysis Table for ARS/F-Route Access	2-390
44-03 : Dial Analysis Extension Table	2-392
44-04 : ARS/F-Route Selection for Time Schedule	2-394
44-05 : ARS/F-Route Table	2-395
· · · · · · · · · · · · · · · · · · ·	

44-06 : Additional Dial Table	2-397
44-07 : Gain Table for ARS/F-Route Access	2-398
44-08 : Time Schedule for ARS/F-Route	2-399
44-09 : Weekly Schedule for ARS/F-Route	2-401
44-10 : Holiday Schedule for ARS/F-Route	2-402
Program 45 : Voice Mail Integration	2-403
45-01 : Voice Mail Integration Options	2-403
45-02 : NSL Option Setup	2-405
45-04 : Voice Mail Digit Add Assignment	2-406
45-05 : Voice Mail Send Protocol Signal Without Additional Digits	2-407
Program 47 : InMail	2-408
47-01 : InMail System Options	2-408
47-02 · InMail Station Mailbox Options	2-412
47-03 · InMail Group Mailbox Options	2-416
47-06 : Group Mailbox Subscriber Options	2-417
47-07 : InMail Routing Mailbox Ontions	2-421
47-08 : Call Routing Mailbox Options	2-123
47-00 : Call Routing Malbox Options	$2 - \frac{1}{2}$
47-09 : Althouncement Malibox Options	2-423
47-10 . Inivial Train Options	2-421
47-11 . Iniviali Answer Table Options	2-429
47-12 . Inividii Answer Schedules	2-432
47-13 : Inivial Dial Action Tables.	2-430
47-15 : Routing Directory Malibox Options	2-439
47-17 : Routing Distribution Mailbox Options	2-440
47-18 : SMTP Setup	2-441
47-19 : POP3 Setup	2-442
47-20 : Station Mailbox Message Notification Options	2-443
47-21 : Station Mailbox Find-Me Follow-Me Options	2-445
47-22 : Group Mailbox Message Notification Options	2-446
47-23 : Group Mailbox Find-Me Follow-Me Options	2-448
Program 80 : Basic Hardware Setup for System	2-449
80-01 : Service Tone Setup	2-449
80-02 : DTMF Tone Setup	2-454
80-03 : DTMF Tone Receiver Setup	2-455
80-04 : Call Progress Tone Detector Setup	2-457
80-05 : Date Format for SMDR and System	2-459
80-07 : Call Progress Tone Detector Frequency Setup	2-460
80-08 : MFC Tone Setup	2-461
80-09 : Short Ring Setup	2-462
80-10 : MF Tone Receiver Setup	2-464
80-12 : Caller ID Receiver Setup	2-466
Program 81 : Basic Hardware Setup for Trunk	2-467
81-01 : CO Initial Data Setup	2-467
81-05 : ISDN PRI Laver 2 (T-Point) Initial Data Setup	2-469
81-06 : ISDN PRI Laver 3 (T-Point) Timer Setup	2-470
81-07 : CODEC Filter Setup for Analog Trunk Port.	2-472
81-08 : T1 Trunk Timer Setup	2-473
81-09 : COT CODEC (QSLAC) Filter Setting	2-476
Program 82 : Basic Hardware Setup for Extension	2-478
82-01 · Incoming Ring Tone	2-478
82-04 · ASTU Initial Data Setun	2-480
82-05 : ISDN PRI Laver2 (S-Point) Initial Data Setun	2-481
82-06 · ISDN PRI Layers (S-noint) Timer Setun	2_482
82-07 : CODEC Filter Setup for Apalog Station Port	2-102
	2-404

82-08 : Sidetone Volume Setup	2-485
82-09 : SLIU CODEC Filter Data Setup	2-486
82-11 : SLIU Initial Data Setup	2-489
82-12 : OPX Initial Data Setup	2-490
82-14 : Handset/Headset Gain Setup for Multi Line Telephone	2-491
82-21 : Sensor Setup	2-492
Program 84 : Hardware Setup for VoIPDB	2-493
84-02 : H.225 and H.245 Information Basic Setup	2-493
84-07 : Firmware Download Setup	2-495
84-09 : VLAN Setup	2-496
84-10 : ToS Setup	2-497
84-12 : Networking CODEC Information Basic Setup	2-498
84-13 : SIP Trunk CODEC Information Basic Setup	2-500
84-14 : SIP Trunk Basic Information Setup	2-504
84-15 : SIP Phone Keep Alive Setup	2-506
84-16 : VoIPDB Limiter Control Gain Setup	2-507
84-19 : SIP Extension CODEC Information Basic Setup.	2-509
84-20 : SIP Extension Basic Information Setup	2-512
84-22 DR700 Multiline Logon Information Setup	2-513
84-23 DR700 Multiline Basic Information Setup	2-514
84-24 · DR700 Multiline CODEC Basic Information Setup	2-516
84-26 : VolP Basic Setup (DSP)	2-519
84-27 · VolP Basic Setup	2-520
84-28 DR700 Multiline Firmware Name Setup	2-522
84-29 SIP-MLT CODEC Information Fixed Mode Setup	2-523
84-31 · VolPDB Echo Canceller Setup	2-524
84-32 · FAX Over IP CODEC Setun	2-529
84-39 · SIP Trunk message customize	2-531
Program 90 · Maintenance Program	2-532
90-01 · Installation Date	2-532
90-02 · Programming Password Setup	2-533
90-03 · Save Data	2-535
90-04 · Load Data	2-536
90-05 · Slot Control	2-537
90-06 · Trunk Control	2-538
90-07 · Station Control	2-539
90-08 · System Reset	2-540
90-09 · Automatic System Reset Time Setup	2-541
90-10 · System Alarm Setup	2-542
90-11 · Alarm Report SMTP Setting	2-549
90-12 · System Alarm Output	2-551
90-13 System Information Output	2-552
90-16 · Main Software Information	2-553
90-17 · Firmware Information	2-554
90-19 · Dial Block Release	2-555
90-20 · Traffic Report Data Setup	2-556
90-21 : Traffic Report Output	2-558
90-23 : Deleting Registration of IP Telephones	2-559
90-24 : System Alarm Report Notification Time Setup	2-560
90-25 : System Alarm Report CC Mail Setup	2-561
90-26 : Program Access Level Setup	2-562
90-28 : User Programming Password Setup	
	2-563
90-31 : DIM Access over Ethernet	2-563 2-564
90-31 : DIM Access over Ethernet	2-563 2-564 2-565

	90-34 : Firmware Information	2-582
	90-35 : Wizard Programming Level Setup	2-583
	90-36 : Firmware Update Time Setting	2-584
	90-37 : Set Temporary License	2-586
	90-38 : User Programming Data Level Setup	2-587
	90-39 : Virtual Loop Back Port Reset	2-589
	90-41 : Server Setting to Update Terminal Local Data	2-590
	90-42 : DR700 Multiline Terminal Version Information	2-591
	90-43 : Deleting Terminal License of DR700	2-592
	90-44 : Deleting Terminal License of TCP Interface	2-593
	90-45 : Temporary Password Change for Multiline Telephone	2-594
	90-50 : System Alarm Display Setup	2-595
	90-51 : Alarm Setup for Maintenance Exchange	2-596
	90-52 : System Alarm Save	2-597
	90-53 : System Alarm Clear	2-598
	90-54 : PC/Web Programming	2-599
	90-55 : Free License Select	2-600
	90-56 : NTP Setup	2-601
	90-57 : Backup Recovery Data	2-602
	90-58 : Restore Recovery Data	2-603
	90-59 : Delete Recovery Data	2-604
	90-60 : T1/ISDN Layer Status Information	2-605
	90-62 : Security ID Information	2-606
	90-63 : DR700 Control	2-607
	90-65 : 1st Party CTI Authentication Password Setup	2-608
	90-66 : FTP Firmware Update setup	2-609
	90-67 : Backup Data Auto-save Interval Time Set	2-610
	90-68 : Side Tone Auto Setup	2-611
Progr	am 92 : Copy Program	2-612
	92-01 : Copy Program	2-612
	92-02 : Delete All Extension Numbers	2-615
	92-03 : Copy Program by Port Number	2-616
	92-04 : Extension Data Swap	2-617
	92-05 : Extension Data Swap Password	2-619
	92-06 : Fill Command	2-620
	92-07 : Delete Command	2-621
Progra	am 93 : System Information	2-622
	93-01 : Day/Night Mode Information	2-622
	93-02 : Trunk Information	2-623
	93-03 : Extension Information	2-624
	93-04 : Redial List	2-626
	93-05 : Department Group Information	2-627

LIST OF TABLES

Table 1-1	Keys for Entering Data	1-3
Table 1-2	Keys for Entering Names	1-4
Table 1-3	Softkey Display Prompts	1-5
Table 1-4	System Number Plan/Capacities	1-5
Table 2-1	System Numbering Default Settings	2-59
Table 2-2	Function Number List	2-142
Table 2-3	Function Number List	2-145
Table 2-4	Program 15-08 - Incoming Signal Frequency Patterns	2-148
Table 2-5	Ringing Cycles	2-194
Table 2-6	Program 22-03 - Incoming Signal Frequency Patterns	2-258
Table 2-7	Function Number List	2-314
Table 2-8	Function Number List	2-318
Table 2-9	47-02-16 Default Table	2-415
Table 2-10	47-06-14 Default Table	2-420
Table 2-11	47-07-03 Default Table	2-422
Table 2-12	47-10-03 Default Table	2-428
Table 2-13	Basic Tones	2-449
Table 2-14	Frequency 1/2 Table	2-462
Table 2-15	Ring Cycle Table	2-463
Table 2-16	Default Table	2-463
Table 2-17	82-01 Default Table	2-479
Table 2-18	Description of Alarm	2-542

Introduction

SECTION 1 BEFORE YOU START PROGRAMMING



Before customizing your system be sure to read this chapter first.



This chapter provides you with detailed information about the system programs. By changing a program, you change the way the feature associated with that program works. In this chapter, you find out about each program, the features that the program affects and how to enter the program data into system memory.

This Manual is created for System : SL1100

SECTION 2 HOW TO USE THIS MANUAL

This section lists each program in numerical order. For example, Program 10-01 is at the beginning of the section and Program 92-01 is at the end. The information on each program is subdivided into the following headings :

Description describes what the program options control. The Default Settings for each program are also included. When you first install the system, it uses the Default Setting for all programs. Along with the Description are the **Conditions** which describe any limits or special considerations that may apply to the program.

The program access level is just above the Description heading. You can only use the program if your access level meets or exceeds the level the program requires. Refer to How to Enter Programming Mode on page 1-2 for a list of the system access levels and passwords.

Feature Cross Reference provides you with a table of all the features affected by the program. You will want to keep the referenced features in mind when you change a program. Customizing a feature may have an effect on another feature that you did not intend.

Telephone Programming Instructions shows how to enter the program data into system memory. For example :

- 1. Enter the programming mode.
- 2. 15-07-01



tells you to enter the programming mode, dial 150701 from the telephone dial pad. After you do, you will see the message "15-07-01 TEL" on the first line of the telephone display. This indicates the program number (15-07), item number (01), and that the options are being set for the extension. The second row of the display "KY01 = *01" indicates that Key 01 is being programmed with the entry of *01. The third row allows you to move the cursor to the left or right, depending on which arrow is

pressed. To learn how to enter the programming mode, refer to How to Enter Programming Mode on page 1-2.

SECTION 3 HOW TO ENTER PROGRAMMING MODE

To enter programming mode :

1. Go to any working display telephone.

In a newly installed system, use extension (port 1).

- 2. Do not lift the handset.
- 3. Press Speaker.
- 4. #*#*.

Password

 Dial the system password + Hold. Refer to the following table for the default system passwords. To change the passwords, use 90-02 : Programming Password Setup on page 2-533.

Password	User Name	Level	Programs at this Level
*****	necam	1 (MF)	Manufacture Level (MF) : 80-02, 80-03, 80-04, 80-05, 80-07, 80-10, 81-04, 81-05, 82-01, 82-04, 82-05, 82-08
12345678	sltech	2 (IN)	Installation (IN) : All programs in this section not listed for MF, SA, & SB
0000	ADMIN1	3 (SA)	System Administrator - Level 1 (SA) : 10-01, 10-02, 10-12, 10-13, 10-14, 10-15, 10-16, 10-17, 10-18, 10-23, 10-24, 10-25, 10-28, 10-29, 10-45, 12-02, 12-03, 12-04, 12-08, 15-01, 15-07, 15-09, 15-10, 15-11, 20-16, 20-34, 21-07, 21-14, 22-04, 22-11, 22-17, 25-08, 30-03, 30-04, 32-02, 45-02, 84-22, 90-03, 90-04, 90-06, 90-07, 90-19, 90-57, 90-58, 90-59, 90-65
9999	ADMIN2	4 (SB)	System Administrator - Level 2 (SB) : 13-04, 13-05, 13-06, 13-11, 15-14, 21-20

SECTION 4 HOW TO EXIT PROGRAMMING MODE

To-exit the programming mode :

When you are done programming, you must be out of a program option to exit (pressing the **Mute** key will exit the program option).

1. Press Mute key to exit the program options, if needed.

Program Mode Base Service OP1 OP2

2. Press **Speaker**. If changes were to the system programming, "Saving System Data" is displayed.

3. The display shows "Complete Data Save" when completed and exits the telephone to an idle mode.

To save a customer's database, a blank Compact Flash (CF) Card is required. Insert the CF Card into the CPU and, using Program 90-03, save the software to the CF Card. (Program 90-04 is used to reload the customer data if necessary.) Note that a CF Card can only hold one customer database. Each database to be saved requires a separate drive.



SECTION 5 USING KEYS TO MOVE AROUND IN THE PROGRAMS

Once you enter the programming mode, use the keys in the following chart to enter data, edit data and move around in the menus.

When you want to	Telephone Programming	
Enter Data into program	0 ~ 9, *, # Line Key (1 ~ 6)	
Next Index	Cursor Key (Up)	
Prior Index	Cursor Key (Down)	
Select Data	Line Key (1 ~ 6)	
All Clear	Flash	
Register	Hold Enter	
Go Back to Prior Screen	Mute Clear / Back	
Move Cursor Jump Up/Down	DND	
Delete single character	Clear / Back	
Next Page	Help	
Toggle between Number/Character		
While in a Entering Number		
Prior Page	Transfer	
Quit the programming	Speaker Exit	
Move Cursor to Left	Cursor Key (Left) Soft Key1	
Change Program Number	Soft Key2	
Change Index Number		

Table 1-1 Keys for Entering Data

When you want to	Telephone Programming
Change Program Number	Soft Key3
Change Index Number	
Move Cursor to Right	Cursor Key (Right) Soft Key4

SECTION 6 PROGRAMMING NAMES AND TEXT MESSAGES

Several programs (e.g., Program 20-16 : Selectable Display Messages) require you to enter text. Use the following chart when entering and editing text. When using the keypad digits, press the key once for the first character, twice for the second character, etc. For example, to enter a C, press the key **2** three times. Press the key six times to display the lower case letter. The name can be up to 12 digits long.

Use this keypad digit	When you want to
1	Enter characters : 1 @ [¥] ^ _ ` { } → ← Á À Â Ã Å Æ Ç É Ê ì ó 0
2	Enter characters : A-C, a-c, 2.
3	Enter characters : D-F, d-f, 3.
4	Enter characters : G-I, g-i, 4.
5	Enter characters : J-L, j-I, 5.
6	Enter characters : M-O, m-o, 6.
7	Enter characters : P-S, p-s, 7.
8	Enter characters : T-V, t-v, 8.
9	Enter characters : W-Z, w-z, 9.
0	Enter characters : 0 ! " # \$ % & ' () ô õ ú å ä æ ö ü α ε θ B
*	Enter characters : $* + , / : ; < = > ? \pi \Sigma \sigma \Omega \sim \notin £$
#	# = Accepts an entry (only required if two letters on the same key are needed - ex : TOM). Pressing # again = Space. (In system programming mode, use the right arrow Softkey in- stead to accept and/or add a space.)
Clear/Back	Clear the character entry one character at a time.
Flash	Clear all the entries from the point of the flashing cursor and to the right.

Table 1-2 Keys for Entering Names

SECTION 7 USING SOFTKEYS FOR PROGRAMMING

Each Display telephone with Softkeys provides interactive Softkeys for intuitive feature access. The options for these keys will automatically change depending on where you are in the system programming. Simply press the Softkey located below the option you wish and the display will change accordingly.



Pressing the Cursor key Up or Down will scroll between the menus.



SECTION 8 WHAT THE SOFTKEY DISPLAY PROMPTS MEAN

When using a display telephone in programming mode, various Softkey options are displayed. These keys will allow you to easily select, scan, or move through the programs.

Softkey Display Prompts			
If you press this Soft- key The system will			
back	Go back one step in the program display. You can press Cursor Key (UP) or Cursor Key (Down) to scroll forward or backward through a list of programs.		
1	Scroll down through the available programs.		
\checkmark	Scroll up through the available programs.		
select	Select the currently displayed program.		
~	Move the cursor to the left.		
\rightarrow	Move the cursor to the right.		
- 1	Move back through the available program options.		
+ 1	Move forward through the available program options.		

Table 1-3 Softkey Display Prompts

SECTION 9 SYSTEM NUMBER PLAN/CAPACITIES

The following table provides the capacities for the SL1100 system.

Table 1-4 System Number Plan/Capacities

System Number Plan/Capacities			
System Type	Number Plan/Capacities	Related Pro- gram	
System			
Analog Caller ID Detector (detec- ted by DSP)	96 channels		
Classes of Service	15	20–06	
Day/Night Mode Numbers	8	12–07	
Day/Night Service Patterns	4	12–07	
Dial Tone Detector DTMF Receiver	96		
Toll Restriction Classes	15		
Verifiable Account Code Table	800	35–06	
Trunk			
Trunk Port Number	84		

System Number Plan/Capacities			Note
System Type	Number Plan/Capacities	Related Pro- gram	
Trunk Ports (Total) :	76		
Analog Trunks	36		
T1/PRI Trunk Ports	48		
 VoIPDB Trunk Ports (VoIPDB & MEMDB is re- quired. Need license to be Max.) 	32		
DID Translation Tables	20	22–10	
DID Translation Table Entries	800	22–10	
DISA :			
Classes of ServiceUsers	15 15	20–14 25–09	
Ring Groups	25	22–04	
Trunk Access Maps	84	14–07	
Trunk Group Numbers	25	14–05	
Trunk Routes	25	14–06	
Extension			
Telephone Extension Ports	112 (V3.5 Changed)		
Multiline Terminals	96 (V3.5 Changed)		
 Single Line Phones/Analog Devices 	80 (V3.5 Changed)		
 VoIPDB Extensions (SIP-MLT/ Std) (VoIPDB & MEMDB is re- quired. Need license to be Max. (SIP-Std)) 	64		
Digital Extension Ports Physical Ports 	01 ~ 08		
Telephone Extension Number Range	1 ~ 89999999* (*Extension cannot start with 0 or 9)		
Virtual Extension Ports	50	11–04	
Virtual Extension Number Range	1 ~ 89999999* (*Extension cannot start with 0 or 9)	11–04	
Door Boxes	6	32–02	
Door Box Numbers	1~6	32–02	
DSS Consoles Numbers : • 60 Button DSS Console	12	30–01	
Operator Access Number	0 (Default)		
Operator Extension	15		
Speed Dialing			
Speed Dialing Groups	32	13–02	
Speed Dialing Bins	0 ~ 999	13–02	
Speed Dialing Table-Common	900	13–01–03	
Automated Attendant			
VRS Message Numbers	1 ~ 100	25–06	
Conference		·	

System Number Plan/Capacities			
System Type Number Plan/Capacities Related Program		Related Pro- gram	
Conference Circuits	32 : maximum (16 Parties Per Conference)		
Department and Pickup Groups			
Department (Extension) Group Numbers	1 ~ 32	16–01	
Call Pickup Group Numbers	1 ~ 32	23–02	
Hotline			
Internal Hotline	128		
External Hotline	128		
Paging and Park			
Internal Page Group Numbers	0, 01 ~ 32	31–02	
External Page Group Numbers	1~3	31–04	
External Speakers	1~3	31–04	
Park Group Numbers	1 ~ 64	24–03	
Park Orbits	1 ~ 64	24–03	
SMDR			
SMDR Ports	1~2	35–03	
VRS/VM InMail			
VRS/VM InMail	1		
VRS/VM Ports (Need license and MEMDB)	16		
VRS Port (Need MEMDB)	16		
VRS Attendant Messages	3		
VRS Recordable Messages	100	40–10–02	
VRS Ports	16		
VoIPDB			
RTP Ports	0 ~ 65534		
RTCP Ports	0 ~ 65535		
DSP Resources	32		
Passwords			
Programming Passwords :			
Level 1 (MF) PCPro/WebPro User Name :	**** necam		
Level 2 (IN) PCPro/WebPro User Name :	12345678 sltech		
Level 3 (SA) PCPro/WebPro User Name :	0000 ADMIN1		
Level 4 (SB) PCPro/WebPro User Name :	9999 ADMIN2		
Programming Password Users	8		
Extension numbers can be one to e and Specifications Manual.	eight digits long. Refer to the Flexible System Numbering for	eature in the SL110) Features

SECTION 10 CONCEPT OF SLOT NUMBER

Each unit installed to the system has a slot number assigned. Some of slot number are fixed to a unit that be installed. Other slots are not fixed to unit but fixed to location where it is installed. Below chart shows the slot and its number :



Expansion KSU 1-3



* Note: Lot D or higher Main KSU or FPGA Version 0100 and V3.5 or higher System Software required. FPGA version can be found in PC Pro/Web Pro and Lot # is on side of Chassis.

- To verify if your Chassis is D or higher check the lot # (e.g. 118DCA-G). The 4th Character needs to be D or higher.
- To verify the FPGA version connect with PC Pro/Web Pro and check version information in the blade configuration screen.

However the maximum trunk port will be limited to 84 ports even though the expansion Trunk card is fully mounted into the four KSUs.

Please see the hardware manual for further information.

Programming the SL1100

SECTION 1 PROGRAMMING YOUR SYSTEM

The information contained in this chapter provides the information necessary to properly program your system.

The programming blocks are organized into the following programming modes.

Program Number : Program Name
Program 10 : System Configuration Setup on page 2-3
Program 11 : System Numbering on page 2-58
Program 12 : Night Mode Setup on page 2-91
Program 13 : Abbreviated Dialing on page 2-100
Program 14 : Trunk, Basic Setup on page 2-108
Program 15 : Extension, Basic Setup on page 2-126
Program 16 : Department Group Setup on page 2-163
Program 20 : System Option Setup on page 2-168
Program 21 : Outgoing Call Setup on page 2-227
Program 22 : Incoming Call Setup on page 2-255
Program 23 : Answer Features Setup on page 2-279
Program 24 : Hold/Transfer Setup on page 2-282
Program 25 : VRS/DISA Setup on page 2-290
Program 26 : ARS Service on page 2-306
Program 30 : DSS/DLS Console Setup on page 2-312
Program 31 : Paging Setup on page 2-322
Program 32 : Door Box and Sensor Setup on page 2-333
Program 34 : Tie Line Setup on page 2-337
Program 35 : SMDR Account Code Setup on page 2-349
Program 40 : Voice Recording System on page 2-359
Program 41 : ACD Setup on page 2-364
Program 42 : Hotel Setup on page 2-382
Program 44 : ARS/F-Route Setup on page 2-389
Program 45 : Voice Mail Integration on page 2-403
Program 47 : InMail on page 2-408
Program 80 : Basic Hardware Setup for System on page 2-449
Program 81 : Basic Hardware Setup for Trunk on page 2-467
Program 82 : Basic Hardware Setup for Extension on page 2-478
Program 84 : Hardware Setup for VoIP on page 2-493
Program 90 : Maintenance Program on page 2-532
Program 92 : Copy Program on page 2-612

Program Number : Program Name

Program 93 : System Information on page 2-622

Program 10 : System Configuration Setup 10-01 : Time and Date

Level: SA

Description

Use **Program 10-01 : Time and Date** to change the system Time and Date through system programming. Extension users can also dial Service Code 728 to change the time if allowed by an extension Class of Service.

Input Data

ltem No.	ltem	Input Data	Description	Default
01	Year	10-96 (V5.0 Changed)	Enter 2 digits for year (07 ~ 96).	No Setting
02	Month	01 ~ 12	Enter 2 digits (01 ~ 12) for the month.	No Setting
03	Day	01 ~ 31	Enter 2 digits (01 ~ 31) for the day.	No Setting
04 Week		1 ~ 7 (Sun ~ Sat)	Enter digit for the day of the week (1 = Sunday, 7 = Saturday).	No Setting
05	Hour	00 ~ 23	Enter 2 digits for the hour (00 ~ 23).	No Setting
06	Minute	00 ~ 59	Enter 2 digits for the minute (00 ~ 59).	No Setting
07	Second	00 ~ 59	Enter 2 digits for the second (00 ~ 59).	No Setting

Conditions

None

Feature Cross Reference

• Clock/Calendar Display/Time and Date

Program 10 : System Configuration Setup 10-02 : Location Setup

Level: SA

Description

Program

10

Use Program 10-02 : Location Setup to define the location of the installed system.

Input Data

ltem No.	Item	Input Data	Description	Default
01	Country Code	Dial (up to four digits) : 0 ~ 9, *, #	Enter the country code.	1
02	International Access Code	Dial (up to four digits) : 0 ~ 9, *, #	Enter the international access code.	No Setting
03	Other Area Access Code	Dial (up to two digits) : 0 ~ 9, *, #	Enter the other area access code.	9
04	Area Code	Dial (up to six digits) : 0 ~ 9, *, #	Enter the local area code.	No Setting
05	Trunk Access Code	Dial (up to eight dig- its) : 0 ~ 9, *, #	Enter the trunk access code digits required to place an outgoing call.	No Setting

Conditions

None

Feature Cross Reference

None

Program

Program 10 : System Configuration Setup 10-03 : ETU Setup

Level: IN

Description

Use **Program 10-03 : ETU Setup** to setup and confirm the Basic Configuration data for each unit. When changing a defined terminal type, first set the type to 0 and then plug the new device in to have the system automatically define it or you may have to reseat the unit.



The items highlighted in gray are read only and cannot be changed.

Input Data

Slot No.

00 ~ 15 (V3.5 Changed)

For ESIU PKG Setup

Physical Port Number	01 ~ 08
----------------------	---------

ltem No.	ltem	Input Data	Description	Default
01	Terminal Type (B1)	0 = No setting 1 = Multi-Line Telephone 10 = DSS Console		0
02	Logical Port Number	0 = No setting 1 = Multi-Line Telephone (1 ~ 96 (V3.5 Changed)) 10 = DSS Console (1 ~ 12)		0
10	Bottom option information	0 = None 4 = WHA		0
12	Multi-Line Telephone Line	0 = None 12 = 12 Line Terminal Type (B1) 24 = 24 Line	This program can on- ly be change by using PC Programming.	0

For SLIU PKG Setup

Physical Port Number		01 ~ 08		
Item No.	ltem	Input Data	Default	
01	Logical Port Number	0 ~ 112 (V3.5 Changed)	0	
03	Transmit Gain Level (S-Level)	1 ~ 63 (- 15.5 ~ + 15.5 dB)	32 (0 dB)	
04	Receive Gain Level (R-Level)	1 ~ 63 (- 15.5 ~ + 15.5 dB)	32 (0 dB)	
05	Select port type	0 = SLT 1 = Door Phone	0	

Pro

For COIU Unit Setup

Physical Port Number		1 ~ 4	
	-		
Item No.	ltem	Input Data	Default
01	Logical Port Number	1 ~ 36	0

For PRIU PKG Setup

	ISDN Line Number	01 ~ 24			
Item No.	Item	Input Data		Description	Default
01	ISDN Line Mode	0 = No setting 1 = T-Point 2 = S-Point 6 = S-Point (Lea	ased Line)		1
02	Logical Port Number	[0 : No setting] = [1 : T-Point] = 1 [2 : S-Point] = 1 [6 : S-Point (Lea	= 0 ~ 84 ~ 84 ased Line)] = 1 ~ 84	The start port number of a PRI line is displayed.	0
03	CRC Multi-frame (CRC4) (Only for 2M = 30ch Mode)	0 = off 1 = on			1
04	Layer 3 Timer Type	1~5		Each timer value of Layer 3 is set up for each type in Program 81-06 (T-Bus)	1
05	CLIP Information	0 = No 1 = Yes		Based on this setting, the system includes a Pre- sentation Allowed (1) or Presentation Restricted (0) in the Setup message to allow or deny the Call- ing Party Number. Pro- gram 15-01-04 must also be set to 1 if this option is enabled.	1
06	Length of Cable	0 = Level 1 1 = Level 2 2 = Level 3 3 = Level 4 4 = Level 5			2
07	S-point DDI digits	0 - 4			0
08	Dial Sending Mode	0 = Enbloc Sen 1 = Overlap Ser	ding nding	ISDN Protocol definition	0
09	Dial Information Element	0 = Keypad Fac 1 = Called Party	sility / Number	ISDN Protocol definition Only when Dial Sending Mode (10-03-08) is set for 1 (Overlap Sending).	0
13	Loss-Of-Signal Detection Limit	0 = Level 0 (low 1 = Level 1 2 = Level 2 3 = Level 3 4 = Level 4 5 = Level 5 6 = Level 6 7 = Level 7 (hig	vest sensitivity) hest sensitivity)	If the transmit/receive voltage is less than the setting in 10-03-13, the system considers this as Loss-Of-Signal and the PRI does not come up. Note that there are differ- ent values based on the setting in 10-03-12 for the PRI.	2

Item No.	Item	Input Data	Description	Default
14	Service Protocol for S-point	0 = Keypad facility 1 = Specified Protocol for Aspire sys- tem		0
15	Call Busy Mode for S-point	0 = Alerting 1 = Disconnect		0
16	Two B-Channel Transfer for PRI Service	0 = off 1 = on		0
18	Type of Number	 0 = Unknown 1 = International number 2 = National number 3 = Network Specific number 4 = Subscriber number 5 = Abbreviated number 	ISDN Protocol definition. Select the number type for the ISDN circuit.	2
19	Numbering Plan Identifica- tion	0 = Unknown 1 = ISDN numbering plan 2 = Data numbering plan 3 = Telex numbering plan 4 = National standard numbering plan 5 = Private numbering plan	ISDN Protocol definition. Select the Numbering Plan used for the ISDN circuit.	1
20	Network Exchange Selec- tion	0 = Standard (same as NI-2) 1 = reserved 2 = reserved 3 = DMS (A211) 4 = 5ESS 5 = DMS (A233) 6 = 4ESS 7 = NI-2	Select the ISDN protocol for the ISDN circuit	7
21	Number of Ports	0 = Auto 1 = 4 Ports 2 = 8 Ports 3 = 12 Ports 4 = 16 Ports 5 = 20 Ports		0

For PRI (T1) PKG Setup

Physical Port Number			01 ~ 24			
ltem No.	Item	Input Data	Description	Default		
01	Logical Port Number	1 ~ 84	The start port number of a T1 line is displayed, and 24 logic ports are auto- matically assigned to a DTI (T1) line.	0		
02	T1 Signal Format Selection	0 = D4 (12 Multi Frame) 1 = ESF (24 Multi Frame)		0		
03	Zero Code Suppression	0 = B8ZS 1 = AMI/ZCS		0		
04	Line Length Selection	0 = 0 feet ~ 133 feet 1 = 133 feet ~ 266 feet 2 = 266 feet ~ 399 feet 3 = 399 feet ~ 533 feet 4 = 533 feet ~ 655 feet		0		
05	T1 Clock Source	0 = Internal 1 = External		1		

10

ltem No.	Item	Input Data	Description	Default
06	Number of Ports	0 = Auto 1 = 4 Ports 2 = 8 Ports 3 = 12 Ports 4 = 16 Ports 5 = 20 Ports		0

For VoIPDB PKG Setup

Program

 \bigcap

Physical Port Number		01 ~ 32	
	-	-	
Item No.	Item	Input Data	Default
01	Trunk Logical Port Number	1 ~ 84	0
02	Trunk Type	1 = SIP	1

Conditions

- When changing a defined terminal type, first set the type to 0 and then plug the new device in to have the system automatically define it, or redefine the type manually.
- The system must have a unit installed to view/change the options for that type of unit.

Feature Cross Reference

None

Program 10 : System Configuration Setup 10-04 : Music On Hold Setup

Level: IN

Description

Use **Program 10-04 : Music on Hold Setup** to set the Music on Hold (MOH) source. For internal Music on Hold, the system can provide a service tone callers on hold or one of eleven synthesized selections.

Input Data

ltem No.	ltem	Input Data	Description	Default
01	Music on Hold Source Selection	0 = Internal MOH (Tone set by PRG 10-04-02) 1 = External MOH (Tone set by PRG 10-60-01: Audio Port No.2) 2 = Service Tone (Tone set by PRG 80-01, tone 64) 3 = VMDB (Tone set by PRG 10-04-02)	 Internal Music Tune - The tune is set by Program 10-04-02. External Source - ACI input via audio connector (J421) (Program10-60-01). Silence - Callers on hold hear silence. 	1 (V1.5 Changed)
02	Music on Hold Tone Selection	[In case Item 1 is 0.] 1 = Download File1 2 = Download File2 3 = Download File3 [In case Item 1 is 1, 2, or 3.] 1 ~ 100 = VRS Message Number	Download File1 : Farewell Song (by Cho- pin) Download File2 : Die Forelle (by F. Schu- bert) Download File3 : Plaisir d'amour (by J.P.E.Martini)	1
03	Audio Gain Setup	1 ~ 63 (- 15.5 ~ + 15.5 dB)		32 (0 dB)

Conditions

None

Feature Cross Reference

- Background Music
- Music on Hold

Program 10 : System Configuration Setup 10-08 : Pre-Ringing Setup

Level: <u>IN</u>

Description

Program

 $\left(\right)$

Use **Program 10-08 : Pre-Ringing Setup** to enable or disable pre-ringing for trunk calls. This sets how a trunk initially rings a telephone. With pre-ringing, a burst of ringing occurs as soon as the trunk LED flashes. The call then continues ringing with the normal ring cadence cycle. Without pre-ringing, the call starts ringing only when the normal ring cadence cycle occurs. This may cause a ring delay, depending on when call detection occurs in reference to the ring cycle.

Input Data

ltem No.	Item	Input Data	Default
01	Pre-Ringing	0 = No 1 = Yes	0

Conditions

• Used with Analog Trunks only.

Feature Cross Reference

Central Office Calls, Answering

Program

Program 10 : System Configuration Setup 10-09 : DTMF and Dial Tone Circuit Setup

Level:

Description

Use **Program 10-09 : DTMF and Dial Tone Circuit Setup** to allocate the circuits on the CPU for either DTMF receiving or dial tone detection. The CPU has 16 circuits initially, and an additional 16 circuits are added when a VMDB is installed. By Adding EXIFE system can have up to 128 (V3.5 or higher). These are used as follows:

- Extension: DTMF receiver for single line telephone
- Trunk: DTMF receiver for analog trunks, dial tone & busy tone detection for analog trunks

Input Data

Circuit/Resource Number			01 ~ 128	(V3.5 Changed)
ltem No.	Item		Input Data	Default
01	DTMF Dial Tone Detection	0 = Commo 1 = Extensi 2 = Trunk C	n Use on Only Dnly	Resource 01 - 128 = 0 (Common) (V3.5 Changed) Resource 01 - 16 are Baic resource (only use Basic Board) Resource 17 - 32 are vmdb resource (only use Basic Board) Resource 33 - 64 are EXIFE1 resource (only use Expansion 1) Resource 65 - 96 are EXIFE2 resource (only use Expansion 2) Resource 97 - 128 are EXIFE3 resource (only use Expansion 3) (V3.5 Added)

Conditions

- CPU has 16 Channel DSP resources (receivers) only for basic CPU Unit. VMDB has additional 16 DSP resources which you can add to CPU. Addition to that EXIFE also each has 32 DSP resource (receivers) only for expand unit.
- In case of 0 (= Common) is selected, and if 14-02-10 (Caller ID receive ability) is set to "Yes", DSP resources are always allocated to analog trunk only, not for analog extension. If 14-02-10 is set to "No", the DSP resources can be used for both analog trunk and analog extension commonly.

Feature Cross Reference

Caller ID

2-11

- Central Office Calls, Placing
- Direct Inward Dialing (DID)
- Direct Inward System Access (DISA)

Program

Program 10 : System Configuration Setup 10-12 : CPU Network Setup

Level: SA

Description

Use **Program 10-12 : CPU Network Setup** to setup the IP Address, Subnet-Mask, and Default Gateway addresses.

Caution! If any IP Address or NIC settings are changed, the system must be reset for the changes to take affect. Program

10

Input Data

ltem No.	ltem	Input Data	Description	Default
01	IP Address	0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	Set for CPU.	192.168.0.10
02	Subnet Mask	128.0.0.0 192.0.0.0 224.0.0.0 240.0.0.0 248.0.0.0 252.0.0.0 254.0.0.0 255.0.0.0 255.128.0.0 255.128.0.0 255.128.0.0 255.224.0.0 255.252.0.0 255.255.0.0 255.255.00 255.255.128.0 255.255.128.0 255.255.128.0 255.255.255.128.0 255.255.255.20 255.255.255.0 255.255.250 255.255.250 255.255.255.0 255.255.255.0 255.255.255.0 255.255.255.128 255.255.255.128 255.255.255.128 255.255.255.240 255.255.255.240 255.255.255.244 255.255.255.255.254 255.255.255.255.255	The setting of Subnet Mask is invalid when all Host Addresses are 0. If the network section is: 0, 127, 128.0, 191.255, 192.0.0, 223.255.255 The setting of Subnet Mask is invalid.	255.255.255.0
03	Default Gateway	0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	Assign the default gateway IP address.	0.0.0.0

٦

ltem No.	Item	Input Data	Description	Default
04	Time Zone	0~24 (0 = -12 Hours and 24 = +12 Hours)	Determine the offset from Greenwich Mean Time (GMT) time. Then enter its respective value. For example, Eastern Time (US and Canada) has a GMT offset of -5. The program data would then be 7 (0 = -12, 1 = -11, 2 = -10, 3 = -9, 4 = -8, 5 = -7, 6 = -6, 7 = -5, 1 = -5, 1 = -12	07
05	NIC Interface	0 = Auto Detect 1 = 100Mbps, Full Du- plex 2 = 100Mbps, Half Du- plex 3 = 10Mbps, Full Duplex 4 = 10Mbps, Half Duplex	NIC Auto Negotiate (CPU)	0
06	Network Address Port Translation (NAPT) Router Setup (V5.0 Deleted)	0 = No (Disable) 1 = Yes (Enable)	If using an external NAPT Router or not.	0
07	NAPT Router IP Ad- dress(Default Gate- way [WAN])	0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	Set the IP address on the WAN side of router.	0.0.0.0
08	ICMP Redirect	0= NO, Signaling pack- ets will follow the ICMP redirect message. 1= YES, Signaling pack- ets will NOT follow the ICMP redirect message.	When receiving ICMP redirect message, this determines if the IP Routing Table up- dates automatically or not.	0
09	IP Address	0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	Assign the IP Address for the VoIPDB. If a VoIPDB is installed in the system it is recommended to set PRG 10-12-01 to 0.0.0.0 and all connections to the system will be made through the VoIPDB.	172.16.0.10

10

Program

1

ltem No.	Item	Input Data	Description	Default
10	Subnet Mask	128.0.0.0 192.0.0.0 224.0.0.0 240.0.0.0 248.0.0.0 252.0.0.0 254.0.0.0 255.0.0.0 255.128.0.0 255.128.0.0 255.224.0.0 255.224.0.0 255.252.0.0 255.255.0.0 255.255.128.0 255.255.128.0 255.255.240.0 255.255.240.0 255.255.250.0 255.255.250.0 255.255.250.0 255.255.250.0 255.255.250.0 255.255.250.0 255.255.250.0 255.255.250.0 255.255.250.0 255.255.255.0 255.255.255.0 255.255.255.0 255.255.255.128 255.255.255.128 255.255.255.240 255.255.255.244 255.255.255.254 255.255.255.255	Assign the subnet mask for the VoIPDB card.	255.255.0.0
11	NIC Setup	0 = Auto Detect 1 = 100 Mbps, Full Du- plex 3 = 10 Mbps, Full Duplex 5 = 1 Gbps, Full Duplex	Set for VoIPDB.	0

Conditions

• The system must be reset for these changes to take affect.

Feature Cross Reference

None

Program 10 : System Configuration Setup 10-13 : In-DHCP Server Setup

Level: SA

Description

Program

10

Input Data

ltem No.	ltem	Input Data	Description	Default
01	DHCP Server Mode	0 = Disable 1 = Enable	Enable or disable the use of the built-in DHCP Server. This program cannot be enabled if PRG10-63-01 is enabled.	0
02	Lease Time	Days 0 ~ 255	Lease Time of the IP address to a cli- ent. Pressing the Hold Key increments to the next setting data.	0 day
		Hour 0 ~ 23		0 hour
		Minutes 0 ~ 59		30 minutes
05	Last DHCP Data	0 = Disable 1 = Enable	If 10–13–01 is enabled, this setting de- termines if DHCP resource is enabled or disabled.	1

Use Program 10-13 : In-DHCP Server Setup to setup the DHCP Server built into the CPU.

Conditions

None

Feature Cross Reference

None
Program 10 : System Configuration Setup 10-14 : Managed Network Setup

Level: SA

Description

Use **Program 10-14 : Managed Network Setup** to set up the range of the IP address which the DHCP Server leases to a client.

Input Data

ltem No.	ltem	Input Data	Description	Default	Related Pro- gram
01	The Range of the IP address to Lease.	Minimum : 0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	When Maximum has not been entered, the maximum value equals the minimum value.	172.16.0.100	10-13-04
		Maximum : 0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254		172.16.5.254	

Conditions

None

Feature Cross Reference

None

Program

Program 10 : System Configuration Setup 10-15 : Client Information Setup

Level: SA

Description

server needs to assign a fixed IP address to clients.

Program

10

Input Data

Client Number			1 ~ 16	
Item No.	Item	Input Dat	ta Description	Default
01	MAC Address	MAC :		00-00-00-00-00

Use Program 10-15 : Client Information Setup to set up the client information when the DHCP

	00-00-00-00-00-00 ~ FF-FF-FF-FF-FF		
IP Address	1.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255255.254 192.0.0.1 ~ 223.255.255.254	The IP address should be assigned out of the scope range set up in Program 10-14.	0.0.0

Conditions

None

Feature Cross Reference

Program 10 : System Configuration Setup 10-16 : Option Information Setup

Level: SA

Description

Use **Program 10-16 : Option Information Setup** to set up the option given from the DHCP server to each client.

The items highlighted in gray are read only and cannot be changed.

Program

Input Data

ltem No.	Item	Input Data	Description	Default
01	Router	Code number 0 ~ 255	Set the Router IP ad-	3 (Fixed)
		IP address 0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	dress.	0.0.0.0
02	DNS Server	Code number 0 ~ 255	Set IP address of DNS	6 (Fixed)
		IP address 0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	Server.	0.0.0.0
03	TFTP Server	Code number 0 ~ 255	Set the name for the	66 (Fixed)
		Maximum 64 character strings	TETP Server.	No setting
05	MGC	Code number 0 ~ 255		129 (Fixed)
		IP address 0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254		172.16.0.10
06	Client Host Name	Code number 0 ~ 255	Set the Client Host	12 (Fixed)
		Maximum 64 character strings	Name.	No setting
07	DNS Domain Name	Code number 0 ~ 255	Set the DNS Domain	15 (Fixed)
		Maximum 20 character strings	Name.	No setting
08	Download Protocol	Code number 0 ~ 255	Set Download Protocol	43 (Fixed)
		Sub code number	DR700 Series).	163 (Fixed)
		1 = FTP 2 = HTTP		1
09	Encryption Information	Code number 0 ~ 255	Set an Encryption Infor-	43 (Fixed)
		Sub code number	Config (for DR700 ser-	164 (Fixed)
		Maximum 128 character strings	ies).	No setting

Program

ltem No.	ltem	Input Data	Description	Default
10	FTP Server Address	Code number 0 ~ 255	Set a FTP Server Ad-	43 (Fixed)
		Sub code number	dress used for AutoCon-	141
		IP address 0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254		0.0.0.0
11	Config File Name	Code number 0 ~ 255	Set a File Name used for	43 (Fixed)
		Sub code number	AutoConfig.	151
		Maximum 15 character strings		No setting
12	Vender Class ID	Code number 0 ~ 255		60 (Fixed)
		Maximum 256 character strings		NEC DR700
13	SNMP Server	Code number 0 ~ 255		69 (Fixed)
		IP address 0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254		0.0.0.0
14	POP3 Server	Code number 0 ~ 255		70 (Fixed)
		IP address 0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254		0.0.0.0
16	SIP Server (IP Address)	Code number 0 ~ 255		120 (Fixed)
		IP address 0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254		172.16.0.10
17	SIP Server (Domain Name)	Code number 0 ~ 255	If there is setting in	120 (Fixed)
		Maximum 20 character strings	10-16-16 this setting will be ignored	No setting
18	FTP Server	Code number 0 ~ 255		141 (Fixed)
		IP address 0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254		0.0.0.0
19	Config File Name	Code number 0 ~ 255		151 (Fixed)
		Maximum 15 character strings		No setting
20	LDS Server 1	Code number 0 ~ 255		162 (Fixed)
		IP address 0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254		0.0.0.0
21	LDS Server 2	Code number 0 ~ 255		162 (Fixed)
		IP address 0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254		0.0.0.0
22	LDS Server 3	Code number 0 ~ 255		162 (Fixed)
		IP address 0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254		0.0.0.0

ltem No.	Item	Input Data	Description	Default
23	LDS Server 4	Code number 0 ~ 255		162 (Fixed)
		IP address 0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254		0.0.0.0
24	Next Server IP Address	IP address 0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254		0.0.0.0
27	SIP Server Receive Port	Code number 0 ~ 255		168 (Fixed)
		Port: 1 ~ 65535		5080

Conditions

None

Feature Cross Reference

None

Program 10 : System Configuration Setup 10-19 : VolPDB DSP Resource Selection

Level: <u>IN</u>

Description

Program

10

Use **Program 10-19 : VoIPDB DSP Resource Selection** to define the criteria for each DSP resource on the VoIPDB unit.

Input Data

DSP Resource Number		e Number	01 ~ 32		
ltem No.	Item	Input Data	Description	Default	
01	VoIPDB DSP Re- source Selection	0 = Common use for both IP extensions and trunks 1 = Use for IP exten- sions 2 = Use for SIP trunks 3 = User for Networking (V1.5 Added) 5 = Blocked 6 = Common without unicast paging 7 = Multicast paging 8 = Unicast paging	This program is used to assign the 32 re- sources of the VoIPDB. NEC recommends leaving the default set- tings as system default.	Resource 1 = 1 Resource 2 ~ 32 = 0	

Conditions

None

Feature Cross Reference

Program 10 : System Configuration Setup 10-20 : LAN Setup for External Equipment

Level:

Description

Use **Program 10-20 : LAN Setup for External Equipment** to define the TCP port/address/etc. for communicating to external equipment.

Input Data

Type of External Equipment	1 = CTI Server 2 = ACD MIS (V4.0 Added) 4 = Networking System (V1.5 Added) 5 = SMDR Output 6 = DIM Output 9 = 1st Party CTI 11 = O&M Server 12 = Traffic Report Output 13 = Room Data Output for Hotel Service 14 = IP-DECT Directory Access (V3.0 Added)
----------------------------	--

ltem No.	Item	Input Data	Default
01	TCP Port	0~65535	External Device 1 (CTI Server) = 8181 (V3.0 Changed) External Device 2 (ACD-MIS) = 4000 (V4.0 Added) External Device 4 (Net- working System) = 30000 (V1.5 Added) External Device 5 (SMDR Output) = 0 External Device 6 (DIM Output) = 0 External Device 9 (1st Party CTI) = 8282 (V3.0 Changed) External Device 11 (O&M Server) = 8080 External Device 12 (Traffic Report Output) = 0 External Device 13 (Room Data Output for Hotel Service) = 0 External Device 14 (IP- DECT Directory Ac- cess) = 0 (V3.0 Added)
03	Keep Alive Time	1 ~ 255 seconds	30

Conditions

Feature Cross Reference

None

Program

Program 10 : System Configuration Setup 10-23 : SIP System Interconnection Setup



Description

Use **Program 10-23 : SIP System Interconnection Setup** to determine if the system is interconnected and define the IP address of another system, call control port number and alias address for SL1100 system interconnection.

Input Data

	System Number	001 ~ 1000	
ltem No.	Item	Input Data	Default
01	System Interconnection	0 = No (Disable) 1 = Yes (Enable)	0
02	IP Address	0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	0.0.0.0
03	Call Control Port	Read Only: 1 ~ 65535	1720
04	Dial Number	Up to 12 digits (0 ~ 9)	No Setting

Conditions

None

Feature Cross Reference

None

Program 10 : System Configuration Setup 10-24 : Daylight Savings Setup

Level: SA

Description

Program

1

Use Program 10-24 : Daylight Savings Setup to set the options for daylight savings. As the telephone system is used globally, these settings define when the system should automatically adjust for daylight savings as it applies to the region in which the system is installed.

Input Data

ltem No.	ltem	Input Data	Description	Default
01	Daylight Savings Mode	0 = Disable 1 = Enable	Enable (1) or disable (0) the system ability to adjust the time for daylight savings/ standard time.	1
02	Time for Daylight Sav- ings	00:00 ~ 23:59	Enter the time of day when the system should adjust for daylight savings time.	02:00
03	Start of Month (Sum- mer Time)	1 ~ 12 (Jan = 1, 2 = Feb, etc.)	Enter the month when the system should adjust the time for daylight savings time $(01 \sim 12)$.	3
04	Start of Week	0 = Last Week of Month 0 ~ 5	Enter the week of the month when the sys- tem should adjust the time for daylight sav- ings time. The week will start on the day listed in 10-24-05.	2
05	Start of Week Day	1 ~ 7 (Sun = 1, Mon = 2, etc.)	Enter the day of the week when the sys- tem should adjust the time for daylight sav- ings time (01 = Sunday, 02 = Monday, etc.).	1
06	End of Month	1 ~ 12 (Jan = 1, 2 = Feb, etc.)	Enter the month when the system should adjust the time for standard time (01 \sim 12).	11
07	End of Week	0 = Last Week of Month 0 ~ 5	Enter the week of the month when the sys- tem should adjust the time for standard time. The week will start on the Day listed in 10-24-08.	1
08	End of Week Day	1 ~ 7 (Sun = 1, Mon = 2, etc.)	Enter the day of the week when the sys- tem should adjust the time for daylight sav- ings time (01 = Sunday, 02 = Monday, etc.).	1

Conditions

None

Feature Cross Reference

Clock/Calendar Display/Time and Date

Program 10 : System Configuration Setup 10-26 : IP System Operation Setup

Level: IN

Description

Use **Program 10-26 : IP System Operation Setup** to enable or disable the Peer to Peer feature for SIP MLT and SIP IP stations.

Input Data

ltem No.	Item	Input Data	Default
02	RTP Forwarding Mode	0 = Disable 1 = Enable	0
03	SIP Peer to Peer Mode By Setting PRG 10-33-05: Enable this Setting will always be "Off" (V4.0 Added)	0 = Off 1 = On	1
04	DR700 Peer to Peer Mode	0 = Off 1 = On	1

Conditions

- Disabling 10-26-04 results in SIP MLT Station-to-SIP MLT Station calls using a DSP resource.
- SIP-to-SIP MLT Station does not support Peer to Peer function and will result in using a DSP resource.
- Disabling 10-26-03 results in SIP IP Station-to-SIP IP Station calls using a DSP resource.

Feature Cross Reference

Program 10 : System Configuration Setup 10-27 : IP System ID

Level: IN

(This Program is available for V1.5 or higher)

Program

10

Use Program 10-27 : IP System ID to set the IP address of the networked IP systems.

Input Data

Description

Network System ID (V4.0 Added)	1~4
--------------------------------	-----

ltem No.	Item	Input Data	Description	Default
01	IP Address	0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	System ID is related with the System ID in the Numbering Plan (Program 11-01-03). When the digits are analyzed and the sys- tem ID is determined from the System data set in the Numbering Plan, the networking call is sent to the IP Address set in this Program. The IP Address should be the IP Address of the peer CPU (Program 10-12-09).	0.0.0.0
02	Call Procedure Port	1 ~ 65535	The Port Number should be set with the same value as the H.225 setup port in Pro- gram 84-02-33.	1730

Conditions

None

Feature Cross Reference

Program 10 : System Configuration Setup 10-28 : SIP System Information Setup

Level: SA

Description

Use Program 10-28 : SIP System Information Setup to set up basic SIP trunking.

Input Data

(V5.0 Added)		1~2		
ltem No.	Item	Input Data	Description	Default
01	Domain Name	Up to 64 Characters (ex. : UserID@Host- Name.DomainName)	Set the domain name of the SIP-URL.	No Setting
02	Host Name	Up to 48 Characters (ex. : UserID@Host- Name.DomainName)	Set the host name of the SIP-URL.	No Setting
03	Transport Protocol	0 = UDP 1 = TCP	Set the protocol for the connection.	0
04	UserID (V5.0 Deleted)	Up to 32 Characters When assigning the User ID, the ID may con- tain only alpha charac- ters. (A space and/or special characters are not allowed in the User ID field). (ex. : UserID@Host- Name.DomainName)	User ID in the SIP Invite Setup message. Use it for outbound caller ID information if no information is assigned in commands 21-17, 21-19, 15-16, 14-12 and 10-36. A call cannot be completed across the span if there is no outbound CID info. The rea- son for this is: the from and display portion of the invite message would be blank, and it would not know where the call originated from.	No Setting
05	Domain Assignment	0 = IP Address 1 = Domain Name	If the information from Telco was a domain name (siptrunk@sip.com) then set to do- main. If the information for Telco was a IP address then set to IP Address.	0
06	IP Trunk Port Binding	0 = Disable 1 = Enable	Trunk port binding is only used for SIP trunks to the provider in Non-Registration Mode only. When this is disabled, an in- bound call comes in and follows your DID routing but it comes in on the first available trunk. When enabled, the inbound call comes in and follows your normal DID routing but maps to that specified trunk. If that trunk is busy, it sends back a busy un- less you build a hunt group. To build the hunt group, it references command 14-12-02 (pilot register ID). This then points you to command 10-36-02. All the numbers with the same pilot are in the same hunt group.	0

Program

Conditions

None

Feature Cross Reference

None

Program



Program 10 : System Configuration Setup 10-29 : SIP Server Information Setup

Level: SA

Description

Use **Program 10-29 : SIP Server Information Setup** to define the SIP Proxy setup for outbound/ inbound. The 10-29 commands are not used in non-registration mode.

If entries are made in Program 10-29-xx for a SIP Server and the SIP Server is then removed or not used, the entries in Program 10-29-xx must be set back to their default settings. Even if 10-29-01 is set to 0 (off), the system still checks the settings in the remaining 10-29 programs.

Input Data

Profile (V5.0 Added)		1~2		
ltem No.	ltem	Input Data	Description	Default

No.	nem	input Data	Description	Derdant
01	Default Proxy (Out- bound)	0 = Off 1 = On	This sets whether the SIP message is al- ways sent through the Default Proxy.	0
02	Default Proxy (In- bound)	0 = Off 1 = On	Need to be registered in registration mode. This sets whether the SIP message is al- ways received through the Default Proxy.	0
03	Default Proxy IP Ad- dress	0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	This is optional and used if the provider gives you a proxy address that is different than the registration address. If the provid- er is using domain names instead of IP ad- dresses, leave this at default.	0.0.0.0
04	Default Proxy Port Number	0 ~ 65535	The port number of the Default Proxy is set.	5060
05	Registrar Mode	0 = None 1 = Manual	The mode registered in the registration server is set.	0
06	Registrar IP Address	0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	IP address of the SIP registration server is set.	0.0.0.0
07	Registrar Port Num- ber	0 ~ 65535	The port number of the SIP registration server is set.	5060
08	DNS Server Mode	0 = Off 1 = On (Use Profile 1 Only) (V5.0 Added)	This setting determines if the DNS server is used.	0

Program

10

ltem No.	Item	Input Data	Description	Default
09	DNS Server IP Ad- dress	0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254 (Use Profile 1 Only) (V5.0 Added)	If 10-29-08 is 1, this is effective. This sets the IP address of the DNS server.	0.0.0.0
10	DNS Port Number	0 ~ 65535 (Use Profile 1 Only) (V5.0 Added)	If 10-29-08 is 1, this is effective. This sets the port number of the DNS server.	53
11	Registrar Domain Name	Up to 128 Characters	This sets the domain name of the registra- tion server.	No Setting
12	Domain Name	Up to 64 Characters	This specifies the domain name of the SIP server.	No Setting
13	Proxy Host Name	Up to 48 Characters (SIP Profile:1-2)	This specifies the host name of the SIP server.	No Setting
14	SIP Carrier Choice (V1.5 Changed)	$0 \sim 26$ 1 = Carrier A 2 = Carrier B : 7 = Carrier G 8 = Carrier H : 26 = Carrier Z	This selects the carrier type of the SIP server. When Carrier A, B, or C is selected in PRG10-29-14, PRG10-29-16 Register Sub Mode is set "On" automatically.	0
15	Registration Expiry (Expire) Time	120 ~ 65535 seconds	This sets the expiration time when the SIP trunk registers to the Sip server. When half the time set here passes, the registration update is automatically done.	3600
16	Register Sub Mode	0 = Off (Allow invalid In- vite message) 1 = On (Deny invalid In- vite message)	Prevents an invalid Invite message. If the "register information that system send to SIP server" and the "Invite information that system receive" are different, system sends "404 Not Found" message. If PRG10-29-05 Register Mode is 0; Off, it is necessary to set 0; Off in PRG10-29-16.	0
17	DNS Source Port	0 ~ 65535 (Use Profile 1 Only) (V5.0 Added)	(10-29-08 must be On) This sets the DNS source port number.	53
20	Authentication Trial (V5.0 Added)	0~9	This is how many times it will try an au- thenticate before timing out and not regis- tering.	1
21	Network Address Port Translation (NAPT) Router Setup (V5.0 Added)	0 = No (Disable) 1 = Yes (Enable)	If using an external NAPT Router or not.	0

Conditions

None

Feature Cross Reference

Program 10 : System Configuration Setup 10-30 : SIP Authentication Information Setup (Not Used)

Level: IN

(This Program is available for V4.5 or lower)

Description

Use **Program 10-30 : SIP Authentication Information Setup** to set the authentication options for SIP trunks.

Input Data

ltem No.	Item	Input Data	Description	Default
02	User Name (V5.0 De- leted)	Up to 64 Characters	This sets the user name of the SIP trunk.	No Setting
03	Password (V5.0 De- leted)	Up to 32 Characters	This sets the SIP trunk password.	No Setting
04	Authentication Trial (V5.0 Deleted)	0~9	This is how many times it will try an au- thenticate before timing out and not regis- tering.	1

Conditions

None

Feature Cross Reference

Program 10 : System Configuration Setup 10-31 : Network Keep Alive Setup

Level: IN

(This Program is available for V1.5 or higher)

Description

10

Program

Use **Program 10-31 : Network Keep Alive Setup** to set the interval and retry count of the AspireNet networking keep alive message. The keep alive is used for ISDN and IP networking.

The keep alive message is automatically responded to by the destination system, if the response is not received the retry count will start. If a response is not received within the number of retries, the networking link will be taken out of service.

When the link is taken out of service:

- Any calls that are in progress will be released.
- · Park Hold orbits will be released.
- No further Park Hold information will be sent until the link is active.

The link will automatically become active when the next keep alive response is received.

Input Data

ltem No.	ltem	Input Data	Description	Default
01	Keep Alive Interval	0 ~ 65535 seconds	This program is used to set the interval of the Keep Alive timer. The system does not send Keep Alive when this item is set to 0.	0
02	Keep Alive Retry Tim- er	1 ~ 255	Set how many times the system resends Keep Alive.	5

Conditions

• The Keep Alive message must be sent and a response not received for the retry count, for the link to be taken out of service and the calls in progress and Park Hold ordits to be released.

Feature Cross Reference

Program 10 : System Configuration Setup *10-33 : SIP Registrar/Proxy Information Basic Setup*

Level:

Description

Use **Program 10-33 : SIP Registrar/Proxy Information Basic Setup** to set the registrar/proxy options for SIP extensions.

Input Data

ltem No.	ltem	Input Data	Description	Default
01	Registration Expire Time	60 ~ 65535	After this time expires, the UA's are forced to reregister with the CPU. This allows the CPU to keep a current location of the en- tire end UA's.	3600
02	Authentication Mode	0 = Disable 1 = Enable	Check here if a password is desired for the IP SIP phones to register. When checked, 15-05-16 must have a password entered and also the SIP phone must have the same password. When using Authentica- tion, the station number is the authoriza- tion name.	0
03	Registrar/Proxy Do- main Name	Up to 64 Characters	Set the domain name of the SIP proxy.	No Setting
04	Registrar/Proxy Host Name	Up to 48 Characters	Set the domain name of the SIP proxy.	No Setting
05	NAT Mode (V4.0 Add-ed)	0 = Disable 1 = Enable	Enable this Mode if the System controls the SIP Phone by the NAT router.	0

Conditions

None

Feature Cross Reference

None

Program 10 : System Configuration Setup 10-36 : SIP Trunk Registration Information Setup

Level: IN

Description

Program

10

Use **Program 10-36 : SIP Trunk Registration Information Setup** to set the SIP trunk registration information.

Input Data

Profile (V5.0 Added)

Register ID

0 ~ 31 (V5.0 Changed)

1~2

ltem No.	ltem	Input Data	Description	Default
01	Registration	0 = Disable 1 = Enable	This setting determines if the SIP trunk in- formation is registered.	0
02	User ID	Up to 32 Characters When assigning the User ID, the ID may con- tain only alpha charac- ters. (A space and/or special characters are not allowed in the User ID field). (V5.0 Added) (ex. : UserID@Host- Name.DomainName) (V5.0 Added)	User ID in the SIP Invite Setup message. Use it for outbound caller ID information if no information is assigned in commands 21-17, 21-19, 15-16, 14-12 and 10-36. A call cannot be completed across the span if there is no outbound CID info. The rea- son for this is: the from and display portion of the invite message would be blank, and it would not know where the call originated from. (V5.0 Changed)	No Setting
03	Authentication User ID	Up to 64 Characters	This sets the user name of the SIP trunk. (V5.0 Changed)	No Setting
04	Authentication Pass- word	Up to 32 Characters	This sets the SIP trunk password. (V5.0 Changed)	No Setting

Conditions

None

Feature Cross Reference

Program 10 : System Configuration Setup 10-37 : UPnP Setup

Level: IN

Description

Use **Program 10-37 : UPnP Setup** to set the UPnP (Universal Plug and Play) options for SIP trunks.

Input Data

ltem No.	ltem	Input Data	Description	Default
01	UPnP Mode	0 = Disable 1 = Enable	If the system controls the SIP phone through the NAT Router this program should be 1: Enable. (V4.0 Added) <i>Router must support UPnP.</i>	0
02	Retry Time	0, 60 ~ 3600 (1 ~ 59 cannot be input)	Set interval time to re-check the Router for the WAN IP address. When this set as 0 it will not retry.	60

Conditions

None

Feature Cross Reference

None

Program

Program 10 : System Configuration Setup 10-39 : Fractional Setup

Level: IN

Description

Program

10

Use Program 10-39 : Fractional Setup to enable or disable the ability to use fractional T1 or PRI.

Input Data

ltem No.	Item	Input Data	Description	Default
01	Fractional	0 = Disable (when disa- bled the system will as- sign the PRI as a full PRI trunks.) 1 = Enable (when ena- bled the system will not assign any trunks to the PRI, the trunks must be manually configured.)	This program is used to enable/disable the system's ability to use a fractional PRI or T1.	0

Conditions

None

Feature Cross Reference

Program 10 : System Configuration Setup 10-40 : IP Trunk Availability

Level: IN

Description

Use **Program 10-40 : IP Trunk Availability** to enable or disable the ability to use SIP trunks and assign the number of ports if IP Trunk is enabled.

Input Data

Slot Number 0

ltem No.	Item	Input Data	Default
01	IP Trunk Availability	0 = Disable 1 = Enable	0
02	Number of Ports	0 ~ 32 (Port) (0 = None) SIP trunks are assigned in increments of two. Please note that if odd port number is set it will use 1 extra port. (V2.0 Changed)	0

Conditions

None

Feature Cross Reference

Program 10 : System Configuration Setup 10-42 : Virtual Loop Back Port Setting

Level: <u>IN</u>

Description

Program

10

Input Data

ltem No	Item	Input Data	Default
NO.			
01	Number of Loop Back Ports	0 ~ 30 (0 = No Setting)	0
02	Logical Trunk Port Number	Read Only: 1 ~ 84	0
03	Logical Station Port Number	Read Only: 1 ~ 84	0
04	Layer 3 Timer Type	1~5	1
05	Calling Party Number	0 = No 1 = Yes	1
06	S-point DDI digits	0~4	0
07	Call Busy Mode for S-point	0 = Alerting Message 1 = Disconnect Message	0

Use Program 10-42 : Virtual Loop Back Port Setting to set the data for the Virtual Loop Back Port.

Conditions

None

Feature Cross Reference

Program 10 : System Configuration Setup 10-45 : IP Routing Table Setup

Level: SA

Description

Use **Program 10-45 : IP Routing Table Setup** to set up the IP Routing Table.

Input Data

Routing Table Number		001 ~ 100		
ltem No.	ltem		Input Data	Default
01	Network Address	0.0.0.0 ~ 12 128.0.0.0 ~ 192.0.0.0 ~	0.0.0.0 ~ 126.255.255.254 128.0.0.0 ~ 191.255.255.254 192.0.0.0 ~ 223.255.255.254	
02	Subnet Mask	128.0.0.0 2 248.0.0.0 2 255.128.0.0 255.254.0.0 255.254.0.0 255.255.255 255.255.255 255.255.255 255.255.	92.0.0.0 224.0.0.0 240.0.0.0 252.0.0.0 254.0.0.0 255.0.0.0 255.192.0.0 255.224.0.0 255.248.0.0 255.252.0.0 255.255.0.0 255.255.128.0 2.0 255.255.224.0 255.255.240.0 3.0 255.255.252.0 255.255.254.0 5.0 255.255.255.128 5.192 255.255.255.128 5.240 255.255.255.224 5.240 255.255.255.248 5.252 255.255.255.254 5.255	0.0.0.0
03	Default Gateway	0.0.0.0 ~ 12 128.0.0.1 ~ 192.0.0.1 ~	6.255.255.254 191.255.255.254 223.255.255.254	0.0.0.0

Conditions

None

Feature Cross Reference

None

Program

Program 10 : System Configuration Setup 10-46 : DR700 Server Information Setup

Use Program 10-46 : DR700 Server Information Setup to set up the information of DR700 Server.

Level: <u>IN</u>

Description

Program

10

Input Data

ltem No.	ltem	Input Data	Description	Default	Related Program
01	Register Mode	0 = Plug and Play 1 = Auto 2 = Manual	Plug and Play: When the phone boots up, it reports the ext. assigned in the phone or chooses the next available exten- sion in the system. Password is not required. Auto: If set to Auto, the SIP user name and password must be entered on the actual IP phone. These settings must match 84-22/15-05-27, or the phone does not come on-line. Manual: When the phone boots up, it prompts user to enter a user ID and password before logging in. It checks this user ID/password against 84-22/15-05-27. If there is no match, the phone does not come online.	0	
04	Server Name	Up to 32 characters	Assign the Server name to be used in the SIP URL.	sipphd	
06	Register Port	0 ~ 65535	Assign the port number in which the SIP messages are sent to on the VoIPDB. This same port number must be as- signed in the SIP Multiline terminals. If this command is changed, it re- quires a CPU reset.	5080	
07	Encryption Mode	0 = Off 1 = On		0	
08	Encryption Type	Read Only: 0 = Mode 1		0	
09	One Time Pass- word	Up to 10 characters (0 ~ 9, *, #)		No Setting	10-46-07
10	Start Port	1 ~ 128 (V3.5 Changed)		1	10-46-01
11	Multicast IP Ad- dress	224.0.0.0 ~ 239.255.255.255	This sets the Multicast IP address so that two or more main devices don't overlap on the same network, or if Multicast is used by other IP services.	224.0.0.10	
12	Multicast Port	0 ~ 65535		30000	

ltem No.	ltem	Input Data	Description	Default	Related Program
13	Subscribe Ses- sion Port	0 ~ 65535		5081	
14	NAT Mode	0 = Off 1 = On	When the system controls the SIP multiline terminal via the NAT router, this system data is set to On.	0	

Conditions

None

Feature Cross Reference

None

Program

Program 10 : System Configuration Setup 10-47 : Terminal License Server Information Setup

Level: <u>IN</u>

Description

Terminal License Server.

Program

10

Input Data

ltem No.	ltem	Input Data	Description	Default
01	Register Port of TCP I/F	0 ~ 65535	This set the register port number of TCP I/F.	6080
02	TCP Keep Alive Time	1~255 seconds	This set the TCP keep alive time.	5

Use Program 10-47 : Terminal License Server Information Setup to setup the information of

Conditions

None

Feature Cross Reference

Program 10 : System Configuration Setup 10-48 : License Activation

Level: IN

Description

Use Program 10-48 : License Activation to turn on the license issued from the license server.

Input Data

ltem No.	ltem	Input Data	Default
01	Software Key Code	20-digit character	No Setting
02	Activation Code	8-digit hexadecimal number	No Setting
03	Feature Code	7-digit number	No Setting

Conditions

The Key Operation for input item 03 is as follows;

Hold Key	Edit next feature codeUp to 10 feature code is possible to input at once.Register the license when 10th feature code is edited.
Soft Key2 (Back)	Edit previous feature code
Soft Key3 (Submit)	Register the license

Feature Cross Reference

Program 10 : System Configuration Setup 10-49 : License File Activation

Level: <u>IN</u>

Description

Program

10

Input Data

ltem No.	Item	Input Data	Default
01	Save License File on CF Card	Dial 1 + Hold (Press Hold to cancel.)	-

Use Program 10-49 : License File Activation to enable the command to save the license file via CF

Conditions

None

Feature Cross Reference

Card which is issued from the license server.

Program 10 : System Configuration Setup 10-50 : License Information

Level: IN

Description

Use **Program 10-50 : License Information** to confirm license information that is stored in a system.

Input Data

Feature Code Number			000 ~ 9999	
ltem No.	ltem		Input Data	Default
01	License Name	Read Only: Character		-
02	License Quantity	Read Only: 0 ~ 32767		-
03	Campaign License Quantity	Read Only: 0 ~ 32767		-
04	Campaign License Remaining Days	Read Only: 0 ~ 9999		-

Conditions

None

Feature Cross Reference

None

Program 10 : System Configuration Setup 10-51 : PRI/T1 Selection of PRI

Level:

Description

Program

10

Input Data

Slot Number	01 ~ 15 (V3.5 Changed)

Use Program 10-51 : PRI/T1 Selection of PRI to select whether the unit works as PRI or T1.

ltem No.	ltem	Input Data	Description	Default
01	PRI/T1 Selection	0 = PRI 1 = T1	Chose whether the unit works as PRI or T1.	0 = PRI

Conditions

None

Feature Cross Reference

Program 10 : System Configuration Setup 10-52 : Free/Demo License Information

Level:

Description

Use **Program 10-52 : Free/Demo License Information** to display information on free of charge/Demo license.

Input Data

ltem No.	Item	Input Data	Default
01	Remaining days of Free/Demo Li- cense	Read Only: 0 ~ 9999	-

Conditions

None

Feature Cross Reference

None

Program

Program 10 : System Configuration Setup 10-54 : License Configuration for Each Package

Level: IN

Description

Program

1

Use Program 10-54 : License Configuration for Each Package to set the license information for each unit.

Input Data

Slot Number	0 ~ 15 (V3.5 Changed)	
License Index Number	1 ~ 32	

ltem No.	Item	Input Data	Default
01	License Code	0000 ~ 9999	No Setting
02	License Quantity	0 ~ 255	0

Conditions

None

Feature Cross Reference

Program 10 : System Configuration Setup 10-58 : Network Address

Level: IN

(This Program is available for V1.5 or higher)

Description

Use **Program 10-58 : Network Address** to set the local network address when the SIP Terminal (V4.0 or higher) terminal connects the system via a local router.

Program

10

Input Data

Area Table			1~8			
ltem No.	ltem	Input Data		Description	Default	Related Program
01	Network Address	0.0.0.0 ~ 126.255.255.254 128.0.0.1	Sets If the and N	local network address. system uses both the Intranet IAT router please input the IP	0.0.0.0	10-46-14

		~191.255.255.254 192.0.0.1 ~ 223.255.255.254	Network address of the terminal connected to the Internet. (V4.0 Added)		
02	Subnet Mask	248.0.0.0 252.0.0.0 254.0.0.0 255.0.0.0 255.128.0.0 255.192.0.0 255.224.0.0 255.224.0.0 255.252.0.0 255.252.0.0 255.255.128.0 255.255.128.0 255.255.240.0 255.255.240.0 255.255.250 255.255.250 255.255.250 255.255.255.0 255.255.255.0 255.255.255.128 255.255.255.128 255.255.255.128 255.255.255.128 255.255.255.128 255.255.255.240 255.255.255.248 255.255.255.248 255.255.255.248	Sets local subnet mask.	0.0.0.0	10-46-14

Conditions

Feature Cross Reference

None

Program
Program 10 : System Configuration Setup 10-60 : Audio Port Setup

Level: IN

Description

Use **Program 10-60 : Audio Port Setup** to defines which audio port on the 084M packages are used for BGM/External MOH.

Input Data

Audio Port Number	1 = BGM 2 = External MOH

ltem No.	Item	Input Data	Description	Default
01	Slot No.	0 = Not Used 1 = 1st KSU 4 = 2nd KSU 7 = 3rd KSU	Select which audio port on the 084M pack- ages are used for BGM/External MOH. Audio Port Number 1 = BGM Audio Port Number 2 = External MOH	Audio Port1 (BGM) : 0 (V1.5 Changed) Audio Port2 (Ex- ternal MOH) : 1 (V1.5 Changed)

Conditions

None

Feature Cross Reference

Program 10 : System Configuration Setup 10-61 : Relay Port Setup

Level: IN

Description

Program

10

Input Data

Relay Port No.	1~6

Use Program 10-61 : Relay Port Setup to defines the relay port type on the 084M.

ltem No.	Item	Input Data	Default
01	Relay Type	0 = No Setting 1 = External MOH 2 = BGM resource 3 = External Speaker 4 = Door Phone	0
02	Destination Selection	10-61-01 = 1 or 2 : Not Use 10-61-01 = 3 : 1 ~ 3 External Speaker Message No. 10-61-01 = 4 : 1 ~ 6 Door Phone No.	0 (Not Used)

Conditions

None

Feature Cross Reference

Program 10 : System Configuration Setup 10-62 : NetBIOS Setting

Level: IN

Description

Use Program 10-62 : NetBIOS Setting to set the data of NetBIOS.

Input Data

ltem No.	Item	Input Data	Description	Default
01	NetBIOS Mode	0 = Disabled 1 = Enabled		1
02	NetBIOS Name	Maximum 15 characters	Please avoid using Space between the words. Also when you create name please use all upper letters.	SL1100

Conditions

None

Feature Cross Reference

Program 10 : System Configuration Setup 10-63 : DHCP Client Setting

Level: <u>IN</u>

Description

Program

10

Input Data

ltem No.	Item	Input Data	Description	Default
01	DHCP Client Mode	0 = Disabled 1 = Enabled	If you are using IP phones/trunks it is rec- ommended to not use the DHCP client function, a static IP address would be pre- ferred. If you are going to still use the DHCP client function then the DHCP serv- er should be setup so that the same IP ad- dress is always provided to the system.	1
			When changing this program a system reset is required.	

Use Program 10-63 : DHCP Client Setting to set the data of DHCP Client.

Conditions

None

Feature Cross Reference

Program 10 : System Configuration Setup 10-65 : NTP Server Setting

Level: IN

(This Program is available for V4.0 or higher)

Description

Use **Program 10-65 : NTP Server Setting** to set the NTP Server.

Input Data

ltem No.	ltem	Input Data	Description	Default
01	NTP Server	0 = Disable (Stop) 1 = Enable (Start)	Set 1 when you want to start the NTP Server.	0 (Stop)
02	NTP Server Port	1 ~ 65535	Set the receiving port of NTP Server.	123

Conditions

None

Feature Cross Reference

None

Program

Program 11 : System Numbering 11-01 : System Numbering

Level:

Description

Program

Use **Program 11-01 : System Numbering** to set the system numbering plan. The numbering plan assigns the first and second digits dialed and affects the digits an extension user must dial to access other extensions and features, such as service codes and trunk codes. If the default numbering plan does not meet the site requirements, use this program to tailor the system numbering to the site.

Caution! Improperly programming this option can adversely affect system operation. Make sure you thoroughly understand the default numbering plan before proceeding. If you must change the standard numbering, use the chart for Table 2-1 System Numbering Default Settings on page 2-59 to keep careful and accurate records of your changes. Before changing your numbering plan, use PC Pro to make a backup copy of your system data.

Changing the numbering plan consists of three steps:

Step 1 : Enter the digit (s) you want to change

You can make either single or two digit entries. In the Dialed Number column in the Table 2-1 System Numbering Default Settings on page 2-59, the nX rows (e.g., 1X) are for single digit codes. The remaining rows (e.g., 11, 12, etc.) are for two digit codes.

- Entering a single digit affects all the Dialed Number entries beginning with that digit. For example, entering 6 affects all number plan entries beginning with 6. The entries you make in step 2 and step 3 below affect the entire range of numbers beginning with 6. (For example, if you enter 3 in step 2 the entries affected are 600 ~ 699. If you enter 4 in step 2 below, the entries affected are 6000 ~ 6999.)
- Entering two digits lets you define codes based on the first two digits a user dials. For example, entering 60 allows you to define the function of all codes beginning with 60. In the default program, only * and # use 2-digit codes. All the other codes are single digit. If you enter a two digit code between 0 and 9, be sure to make separate entries for all the other two digit codes within the range as well. This is because in the default program all the two digit codes between 0 and 9 are undefined.

Step 2 : Specify the length of the code you want to change

After you specify a single or two digit code, you must tell the system how many digits comprise the code. This is the *Number of Digits Required* column in the Table 2-1 System Numbering Default Settings on page 2-59.

Step 3: Assign a function to the code selected

After entering a code and specifying its length, you must assign its function. This is the Dial Type column in the Table 2-1 System Numbering Default Settings on page 2-59. The choices are:

Dial Types	Dial Type Descrip- tion	Related Program	Note
0	Not Used		

Defining codes based on more than 2 digits require a secondary program (Program 11-20) to define the codes.

Dial Types	Dial Type Descrip- tion	Related Program	Note
1	Service Code	11-10 : Service Code Setup (for System Administrator) on page 2-70 11-11 : Service Code Setup (for Setup/Entry Operation) on page 2-73 11-12 : Service Code Setup (for Service Access) on page 2-77 11-14 : Service Code Setup (for Hotel) on page 2-83 11-15 : Service Code Setup, Administrative (for Special Access) on page 2-85 11-16 : Single Digit Service Code Setup on page 2-87	
2	Extension Number	11-02 : Extension Numbering on page 2-65 11-04 : Virtual Extension Numbering on page 2-66 11-07 : Department Group Pilot Numbers on page 2-67	
3	Trunk Access Code	11-09-01 : Trunk Access Code	
4	Special Trunk Access	11-09-02 : Trunk Access Code	
5	Operator Access	20-17 : Operator Extension on page 2-198	
6	F-Route Access	44-xx	
8	Networking Access (Network ID : 0 ~ 4)		(V1.5 Added)
9	Dial Extension Ana- lyze	11-20 : Dial Extension Analyze Table on page 2-90	

11

Changing the Dial Type for a range of codes can have a dramatic affect on how your system operates. Assume, for example, the site is a hotel that has room numbers from 100 ~ 399. To make extension numbers correspond to room numbers, you should use Program 11-02 to reassign extension numbers on each floor from 100 to 399. (Other applications might also require you to change entries in Program 11-10 ~ 11-16.)

Default

See the following tables for default settings.

Table 2-1 System Numbering Default Settings

Dial Types : 1 = Service Code, 2 = Extension Number, 3 = Trunk Access, 4 = Special Trunk Access, 5 = Operator Access, 6 = Flexible Routing, 8 = Networking Access (V1.5 Added), 9 = Dial Extension Analyze, 0 = Not Used

Dialed	Number of Digits Required		Dial Type	
	Default	New	Default	New
1X	3		2	
11	0		0	
12	0		0	
13	0		0	
14	0		0	
15	0		0	
16	0		0	
17	0		0	
18	0		0	
19	0		0	
10	0		0	
1*	0		0	
1#	0		0	

ialed	Number of Dig	its Required	Dial Ty	уре
	Default New		Default	New
2X	3		2	
21	0		0	
22	0		0	
23	0		0	
24	0		0	
25	0		0	
26	0		0	
27	0		0	
28	0		0	
29	0		0	
20	0		0	
2*	0		0	
2#	0		0	
3X	4		2	
31	0		0	
32	0		0	
33	0		0	
34	0		0	
35	0		0	
36	0		0	
37	0		0	
38	0		0	
39	0		0	
30	0		0	
3*	0		0	
3#	0		0	
4X	3		1	
41	0		0	
42	0		0	
43	0		0	
44	0		0	
45	0		0	
46	0		0	
47	0		0	
48	0		0	
49	0		0	
	0			

Dialed	Number of Dig	its Required	Dial Type	
	Default	New	Default	New
4#	0		0	
			I	
5X	3		1	
51	0		0	
52	0		0	
53	0		0	
54	0		0	
55	0		0	
56	0		0	
57	0		0	
58	0		0	
59	0		0	
50	0		0	
5*	0		0	
5#	0		0	
6X	3		1	
61	0		0	
62	0		0	
63	0		0	
64	0		0	
65	0		0	
66	0		0	
67	0		0	
68	0		0	
69	0		0	
60	0		0	
6*	0		0	
6#	0		0	
7X	3		1	
71	0		0	
72	0		0	
73	0		0	
74	0		0	
75	0		0	
76	0		0	
77	0		0	
78	0		0	
70	0		0	

Dial Types : 1 = Service Code, 2 = Extension Number, 3 = Trunk Access, 4 = Special Trunk Access, 5 = Operator Access, 6 = Flexible Routing, 8 = Networking Access (V1.5 Added), 9 = Dial Extension Analyze, 0 = Not Used

Dial Types : 1 = Service Code, 2 = Extension Number, 3 = Trunk Access, 4 = Special Trunk Access, 5 = Dperator Access, 6 = Flexible Routing, 8 = Networking Access (V1.5 Added), 9 = Dial Extension Analyze, D = Not Used					
Dialed	Number of Digi	ts Required	Dial Type		
	Default	New	Default	New	
70	0		0		
7*	0		0		
7#	0		0		
8X	1		1		
81	0		0		
82	0		0		
83	0		0		
84	0		0		
85	0		0		
86	0		0		
87	0		0		
88	0		0		
89	0		0		
80	0		0		
8*	0		0		
8#	0		0		
9X	1		3		
91	0		0		
92	0		0		
93	0		0		
94	0		0		
95	0		0		
96	0		0		
97	0		0		
98	0		0		
99	0		0		
90	0		0		
9*	0		0		
9#	0		0		
0X	1		5		
01	0		0		
02	0		0		
03	0		0		
04	0		0		
05	0		0		
06	0		0		
07	0		0		

Dial Types : 1 = Service Code, 2 = Extension Number, 3 = Trunk Access, 4 = Special Trunk Access, 5 = Operator Access, 6 = Flexible Routing, 8 = Networking Access (V1.5 Added), 9 = Dial Extension Analyze, 0 = Not Used					
Dialed	Number of Dig	its Required	Dial Type		
	Default	New	Default	New	
08	0		0		
09	0		0		
00	0		0		
0*	0		0		
0#	0		0		
*X	2		1		
*1	0		0		
*2	0		0		
*3	0		0		
*4	0		0		
*5	0		0		
*6	0		0		
*7	0		0		
*8	0		0		
*9	0		0		
*0	0		0		
**	0		0		
*#	0		0		
#X	0		0		
#1	2		1		
#2	2		1		
#3	2		1		
#4	2		1		
#5	2		1		
#6	2		1		
#7	2		1		
#8	2		1		
#9	2		1		
#0	2		1		
#*	4		1		
##	2		1		

11

Conditions

Feature Cross Reference

• Flexible System Numbering





Program 11 : System Numbering 11-02 : Extension Numbering

Level: IN

Description

Use **Program 11-02 : Extension Numbering** to set the extension number. The extension number can have up to eight digits. The first/second digit (s) of the number should be assigned in Program 11-01 or Program 11-20. This allows an employee to move to a new location (port) and retain the same extension number.

Program

Input Data

Extension Port Number			001 ~ 128 (V3.5 Changed)		
ltem No.	Item	Input Data	Description	Default	
01	Extension Number	Dial (Up to 8 digits)	Set up extension numbers for multiline tel- ephones, single line telephones and IP tel- ephones. Image: Constraint of the system of t	Extension Port Number : Exten- sion Number 001 ~ 112 : 101 ~ 212 (V3.5 Changed) 113 ~ 128 : No Setting (V3.5 Added)	

Conditions

None

Feature Cross Reference

- Department Calling
- Flexible System Numbering
- Intercom

Program 11 : System Numbering 11-04 : Virtual Extension Numbering

Level: <u>IN</u>

Description

Program

11

Use **Program 11-04 : Virtual Extension Numbering** to define the virtual extension numbers. The extension number can have up to eight digits. The first/second digit (s) of the number should be assigned in Program 11-01 or Program 11-20.

Input Data

Virtual Extension Numbers	001 ~ 050
---------------------------	-----------

ltem No.	Item	Input Data	Description	Default
01	Extension Number	Dial (Up to 8 digits)	Set up Virtual Extension numbers. The extension number cannot be dupli- cated in Programs 11-02 and 11-07.	Virtual Port Num- ber : Extension Number 1 ~ 50 : 250 ~ 299 (V3.5 Changed)

Conditions

None

Feature Cross Reference

Flexible System Numbering

Program 11 : System Numbering *11-07 : Department Group Pilot Numbers*

Level: IN

Description

Use **Program 11-07 : Department Group Pilot Numbers** to assign a pilot number to each Department Group set up in Program 16-02. The pilot number is the number users dial for Department Calling and Department Step Calling. The pilot number can have up to eight digits. The first and second digits of the number should be assigned in Program 11-01 or Program 11-20 as type 2.

Program

11

Input Data

Department (Extension) Group Number		01	01 ~ 32		
	1	1		T	
ltem No.	ltem	Input Data	Description	Default	Related Program
01	Extension Group Pilot Number	Dial (Up to 8 digits)	Use this program to assign depart- ment group pilot numbers. The number set up by Program 11-02 (Extension Numbering) can- not be used. The extension number cannot be duplicated in Programs 11-02 and 11-07.	Extension Group No. 1-31 : 3101-3131 (V3.5 Changed)	 16-01 : Depart- ment (Exten- sion) Group Basic Data Setup 16-02 : Depart- ment Group Assign- ment for Exten- sions 16-03 : Secon- dary De- part- ment Group

Conditions

None

Feature Cross Reference

- Department Calling
- Department Step Calling

Program 11 : System Numbering 11-09 : Trunk Access Code

Level: IN

Description

Program

11

Use **Program 11-09 : Trunk Access Code** to assign the trunk access code. The trunk access code can be set from 1 ~ 4 digits which is defined to type 3 and 4 in Program 11-01. This is the code extension users dial to access Automatic Route Selection (ARS/F-Route). The Individual Trunk Access Code is used when Trunk Group Routing is desired for an outgoing line.

Caution! The digit 9 is defined in Program 11-01 as Dial Type () with the Number of Digits Required set to (). If you change the trunk access code in Program 11-09, you must make the corresponding changes in Program 11-01.

Input Data

ltem No.	ltem	Input Data	Description	Default	Related Program
01	Trunk Access Code	Dial (Up to four digits)	Use this program to assign the trunk access code. This is the code exten- sion users dial to access Automatic Route Selection (ARS/F-Route).	9	 11-01 : System Num- bering 14-01 ~ 07 : Ba- sic Trunk Data Setup 14-05 : Trunk Group 14-05 : Trunk Group 21-02 : Trunk Group Routing for Ex- tensions

ltem No.	Item	Input Data	Description	Default	Related Program
02	2nd Trunk Route Access Code	Dial (Up to four digits)	Use this program to define addition- al trunk access codes. When a user dials the Alternate Trunk Route Access Code, the sys- tem routes their call to the Alternate Trunk Route.	No Setting	 11-01 : System Numbering 14-01 ~ 07: Basic Trunk Data Setup 14-05 : Trunk Group 14-05 : Trunk Group 21-02 : Trunk Group Routing for Ex- tensions 21-15 : Individu- al Trunk Group Routing for Ex- tensions

Conditions

None

Feature Cross Reference

- Automatic Route Selection (ARS/F-Route)
- Central Office Calls, Placing
- Trunk Group Routing

Program 11 : System Numbering

11-10 : Service Code Setup (for System Administrator)

Level: <u>IN</u>

Description

Program

Use **Program 11-10 : Service Code Setup (for System Administrator)** to customize the Service Codes for the System Administrator. You can customize additional Service Codes in Programs 11-11 ~ 11-16. The following chart shows:

- The number of each code (01 ~ 50).
- The function of the Service Code.
- The type of telephones that can use the Service Code.
- The default entry. For example, dialing item 26 allows users to force a trunk line to disconnect.

Input Data

ltem No.	ltem	Input Data	Description	Default	Related Program
01	Night Mode Switching	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	718	12-xx 20-07-01
03	Setting the Sys- tem Time	0~9, *, # Maximum of 8 digit	Terminal: MLT	728	
04	Storing Common Speed Dialing Numbers	0~9, *, # Maximum of 8 digit	Terminal: MLT	753	
05	Storing Group Speed Dialing Numbers	0~9, *, # Maximum of 8 digit	Terminal: MLT	754	
06	Setting the Auto- matic Transfer for Each Trunk Line	0~9, *, # Maximum of 8 digit	Terminal: MLT	733	24-04-01
07	Canceling the Automatic Trans- fer for Each Trunk Line	0~9, *, # Maximum of 8 digit	Terminal: MLT	734	24-04-01
08	Setting the Desti- nation for Auto- matic Trunk Transfer	0~9, *, # Maximum of 8 digit	Terminal: MLT	735	24-04-01
09	Charging Cost Display by the Supervisor	0~9, *, # Maximum of 8 digit	Terminal: MLT	No Setting	
11	Entry Credit for Toll Restriction	0~9, *, # Maximum of 8 digit	Terminal: MLT	No Setting	
12	Night Mode Switching for Other Group	0~9, *, # Maximum of 8 digit	Terminal: MLT	618	12-xx 20-07-01

ltem No.	ltem	Input Data	Description	Default	Related Program
16	Leaving Message Waiting (Re- quires CPU to be licensed for Ho- tel/Motel)	0~9, *, # Maximum of 8 digit	Terminal: MLT	626	11-11-09
17	Dial Block by Su- pervisor	0~9, *, # Maximum of 8 digit	Terminal: MLT	601	90-19
18	Off-Premise Call Forward by Door Box	0~9, *, # Maximum of 8 digit	Terminal: MLT	722	13-05
20	VRS - Record/ Erase Message	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT Define Service Code for VRS mes- sage recording or erasing.	616	20-07-13
21	VRS - General Message Play- back	0~9, * , # Maximum of 8 digit	Terminal: MLT, SLT	611	20-07-14
22	VRS - Record or Erase General Message	0~9, * , # Maximum of 8 digit	Terminal: MLT, SLT	612	20-07-15
23	SMDR - Exten- sion Accumula- ted Printout Code	0~9, *, # Maximum of 8 digit	Terminal: MLT	621	20-07-18
24	SMDR - Group Accumulated Printout Code	0~9, *, # Maximum of 8 digit	Terminal: MLT	622	20-07-19
25	Account Code Accumulated Printout Code	0~9, *, # Maximum of 8 digit	Terminal: MLT	623	20-07-20
26	Forced Trunk Disconnect	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	No Setting	20-07-11
27	Trunk Port Disa- ble for Outgoing Calls	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	645	20-07-12
32	Set Private Call Refuse	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	646	14-01-27 20-07-24
33	Entry Caller ID Refuse	0~9, *, # Maximum of 8 digit	Terminal: MLT	647	20-07-25
34	Set Caller ID Re- fuse	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	748	14-01-27 20-07-25
35	Dial-In Mode Switching	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	609	20-07-26
41	Date Setting	0~9, *, # Maximum of 8 digit	Terminal: MLT	789	20-07-30
42	Maintenance Service	0~9, *, # Maximum of 8 digit	Terminal: MLT	643	
43	VRS Incoming	0~9, *, # Maximum of 8 digit	Terminal: MLT	778	13-04 15-02-55
44	Cutting the tele- phone power	0~9, *, # Maximum of 8 digit	Sets the Service Code for power cutting. (for Administrator)	731	
45	Room Monitor Permit	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT Sets Service Code (SC) for Room monitor on/off to terminal. SC+1+Extension Number ; Room Monitor enable SC+0+Extension Number ; Room Monitor disable	610	

ltem No.	ltem	Input Data	Description	Default	Related Program
46	Watch Message Setting	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT Service Code setting for Watching message recording to VRS.	614	
47	Warning Mes- sage Setting	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT Service Code setting for Warning message recording to VRS.	615	
48	Auto Dial Setting for Security Sen- sor	0~9, *, # Maximum of 8 digit	Terminal: MLT Service Code setting for destination number when Warning mode detec- ted.	617	
49	Auto Dial Setting for Remote In- spection	0~9, *, # Maximum of 8 digit	Terminal: MLT Service Code setting for destination number when remote inspection de- tects no answer.	619	
50	Night-mode Skip (Own Group)	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	787	



11

MLT = Multiline Terminal

SLT = *Single Line Telephone*

Conditions

None

Feature Cross Reference

Program 11 : System Numbering

11-11 : Service Code Setup (for Setup/Entry Operation)

Level: <u>IN</u>

Description

Use **Program 11-11 : Service Code Setup (for Setup/Entry Operation)** to customize the Service Codes which are used for registration and setup. You can customize additional Service Codes in Programs 11-10, and 11-12 ~ 11-16.

The following chart shows:

- The number of each code (01 ~ 73 (V1.5 or higher)).
- The function of the Service Code.
- What type of telephones can use the Service Code.
- The default entry. For example, users to turn on or turn off Background Music by dialing the number set at item 18.

Input Data

ltem No.	ltem	Input Data	Description	Default	Related Program
01	Call Forward - All	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	741	
02	Call Forward - Busy	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	742	
03	Call Forward - No Answer	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	743	
04	Call Forward - Busy/No Answer	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	744	
05	Call Forward - Both Ring	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	745	
07	Call Forwarding - Follow-Me	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	746	
08	Do Not Disturb	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	747	
09	Answer Message Waiting	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	*0	11-10-16
10	Cancel All Mes- sages Waiting	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	773	
11	Cancel Message Waiting	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	771	
12	Alarm Clock	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	727	20-01-06
13	Display Lan- guage Selection for Multiline Ter- minal	0~9, *, # Maximum of 8 digit	Terminal: MLT	678	15-02
14	Text Message Setting	0~9, *, # Maximum of 8 digit	Terminal: MLT	No Setting	

Program

ltem No.	ltem	Input Data	Description	Default	Related Program
15	Enable Hands- free Incoming In- tercom Calls	0~9, *, # Maximum of 8 digit	Terminal: MLT	721	20-09-05 20-02-12
16	Force Ringing of Incoming Inter- com Calls	0~9, *, # Maximum of 8 digit	Terminal: MLT	723	20-09-05 20-02-12
17	Programmable Function Key Programming (3- Digit Service Co- des)	0~9, *, # Maximum of 8 digit	Terminal: MLT	751	15-07 11-11-38
18	BGM On/Off	0~9, *, # Maximum of 8 digit	Terminal: MLT	No Setting (V1.5 Changed)	
19	Key Touch Tone On/Off	0~9, *, # Maximum of 8 digit	Terminal: MLT	724	
20	Change Incom- ing CO and ICM Ring Tones	0~9, * , # Maximum of 8 digit	Terminal: MLT	720	15-02
21	Check Incoming Ring Tones	0~9, *, # Maximum of 8 digit	Terminal: MLT	711	
22	Extension Name Programming	0~9, *, # Maximum of 8 digit	Terminal: MLT	700	15-01
23	Second Call for DID/DISA/DIL	0~9, *, # Maximum of 8 digit	Terminal: MLT	679	
24	Change Station Class of Service	0~9, *, # Maximum of 8 digit	Terminal: MLT Allows an extension user to change the COS of another extension. Must be allowed in Program 20-13-28.	677	20-13-28
25	Automatic Trans- fer Setup for Each Extension Group	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	602	20-11-17 24-05
26	Automatic Trans- fer Cancellation for Each Exten- sion Group	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	603	
27	Destination of Automatic Trans- fer Each Exten- sion Group	0~9, *, # Maximum of 8 digit	Terminal: MLT	604	20-11-17 24-05
28	Delayed Transfer for Every Exten- sion Group	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	605	20-11-17 24-05 24-02-08
29	Delayed Transfer Cancellation for Each Extension Group	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	606	20-11-17
30	DND Setup for Each Extension Group	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	607	
31	DND Cancella- tion for Each Ex- tension Group	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	608	
33	Dial Block	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	600	
34	Temporary Toll Restriction Over- ride	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	775	21-07

ltem No.	ltem	Input Data	Description	Default	Related Program
35	Pilot Group With- drawing	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	650	
36	Toll Restriction Override	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	663	21-14
37	Ring Volume Set	0~9, *, # Maximum of 8 digit	Terminal: MLT	729	
38	Programmable Function Key Programming (2- Digit Service Co- des)	0~9, *, # Maximum of 8 digit	Terminal: MLT	752	15-07 11-11-17
39	Station Speed Di- al Number Entry	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	755	
41	Tandem Ringing	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	No Setting	15-07 30-03
42	Transfer Dial Set- ting for Out of Range	0~9, *, # Maximum of 8 digit	-	689	13-06
43	Headset Mode Switching	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	688	
45	Set/Cancel Call Forward All (Split)	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	682	24-09
46	Set/Cancel Call Forward Busy (Split)	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	683	24-09
47	Set/Cancel Call Forward No An- swer (Split)	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	684	24-09
48	Set/Cancel Call Forward Busy No Answer (Split)	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	685	24-09
49	Set/Cancel Call Forward Both Ring (Split)	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	686	24-09
50	Set Message Waiting Indica- tion	0~9, *, # Maximum of 8 digit	Terminal: SLT	No Setting	
51	Cancel Message Waiting Indica- tion	0~9, *, # Maximum of 8 digit	Terminal: SLT	No Setting	
52	Set/Cancel Call Forward All Des- tination (No Split)	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	790	24-09
53	Set/Cancel Call Forward Busy Destination (No Split)	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	791	24-09
54	Set/Cancel Call Forward No An- swer Destination (No Split)	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	792	24-09
55	Call Forward Busy No Answer Destination (No Split)	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	793	24-09

11

ltem No.	Item	Input Data	Description	Default	Related Program
58	Call Forward with Personal Greeting	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	713	
59	Call Forward to Attendant except Busy	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	696	15-01-08
60	Call Forward to Attendant/No An- swer	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	697	15-01-09
62	Adjust of Head- set Ring Volume	0~9, *, # Maximum of 8 digit	Terminal: MLT	No Setting	11-11-37 15-02-12 15-02-41 15-02-42
65	Headset Mode Switching	0~9, *, # Maximum of 8 digit	Terminal: MLT	No Setting	
68	IntraMail Lan- guage Selection for own exten- sion	0~9, *, # Maximum of 8 digit	Terminal: MLT,SLT	664	47-02-16
69	IntraMail Lan- guage Selection for specific ex- tension	0~9, *, # Maximum of 8 digit	Terminal: MLT,SLT	665	20-13-53 47-02-16
70	Backlight Bright- ness	0~9, *, # Maximum of 8 digit	Terminal: MLT	705	15-02-61 ~ 15-02-63
71	Auto Backlight	0~9, *, # Maximum of 8 digit	Terminal: MLT	706	15-02-64 15-02-65
72	Headset V.An- nounce	0~9, *, # Maximum of 8 digit	Terminal: MLT	714	
73	Select Incoming Ring Tones at trunk (V1.5 Add- ed)	0~9, *, # Maximum of 8 digit	Terminal: MLT	761	15-28-01



MLT = Multiline TerminalSLT = Single Line Telephone

Conditions

None

Feature Cross Reference

Program 11 : System Numbering *11-12 : Service Code Setup (for Service Access)*

Level: IN

Description

Use **Program 11-12 : Service Code Setup (for Service Access)** to customize the Service Codes which are used for service access. You can customize additional Service Codes in Programs 11-10, 11-11, and 11-14 through 11-16.

The following chart shows:

- The number of each code (01 ~ 64).
- The function of the Service Code.
- The type of telephones that can use the Service Code.
- The default entry. For example, dialing (Item 05) cancels a previously set Camp- On.
- Programs that may be affected with the changing the code.

Input Data

ltem No.	ltem	Input Data	Description	Default	Related Program
01	Bypass Call	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT Activating Call Forwarding/Do Not Disturb Override. This code is avail- able only if you disable the voice mail Single Digit dialing code in Pro- gram 11-16-09.	707	
02	Conference	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	#1	
03	Override (Off- Hook Signaling)	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	709	
04	Set Camp-On	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	750	
05	Cancel Camp-On	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	770	
06	Switching of Voice Call and Signal Call	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	712	
07	Step Call	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	708	
08	Barge-In	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	710	
09	Change to STG (Department Group) All Ring	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	No Setting	16-02
10	Station Speed Di- aling	0~9, *, # Maximum of 8 digit	Assign the service code used for ac- cessing common speed dialing (sys- tem speed dialing) bins. The service code assigned must be within your valid numbering plan in PRG.	#2	

ltem No.	ltem	Input Data	Description	Default	Related Program
11	Group Speed Di- aling	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	#4	
12	Last Number Dial	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	#5	
13	Saved Number Dial	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	715	
14	Trunk Group Ac- cess	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	704	
15	Specified Trunk Access	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	#9	
16	Trunk Access via Networking (V1.5 Added)	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	726	
17	Clear Last Num- ber Dialing Data	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	776	
18	Clear Saved Number Dialing Data	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	785	
19	Internal Group Paging	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	701	31-01-01
20	External Paging	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	703	
21	Meet-Me Answer to Specified In- ternal Paging Group	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	764	31-02-01
22	Meet-Me Answer to External Pag- ing	0~9, * , # Maximum of 8 digit	Terminal: MLT, SLT	765	
23	Meet-Me Answer in Same Paging Group	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	763	31-02-01
24	Combined Pag- ing	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	*1	31-02-01 31-07
25	Direct Call Pick- up - Own Group	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	756	
26	Call Pickup for Specified Group	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	768	23-02
27	Call Pickup	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	*#	23-02
28	Call Pickup for Another Group	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	769	23-02
29	Direct Extension Call Pickup	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT Customize the Service Codes for di- rect extension call pickup.	**	
30	Specified Trunk Answer	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	672	
31	Park Hold	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	#6	24-03
32	Answer for Park Hold	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	*6	24-03
33	Group Hold	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	732	
34	Answer for Group Hold	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	762	

ltem No.	ltem	Input Data	Description	Default	Related Program
35	Station Park Hold	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	757	
36	Door Box Access	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	702	
37	Common Cancel- ing Service Code	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	*9	
38	General Purpose Indication	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	783	15-07-56 15-07-57
40	Station Speed Di- aling	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	#7	
41	Voice Over	0~9, *, # Maximum of 8 digit	Terminal: MLT	690	11-16-08
42	Flash on Trunk lines	0~9, *, # Maximum of 8 digit	Terminal: SLT	#3	
43	Answer No-Ring Line (Universal Answer)	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	#0	14-05 14-06
44	Callback Test for SLT	0~9, *, # Maximum of 8 digit	Terminal: SLT	799	
45	Enabled On Hook When Holding (SLT)	0~9, *, # Maximum of 8 digit	Terminal: SLT	749	15-03-07
46	Answer On Hook When Holding (SLT)	0~9, *, # Maximum of 8 digit	Terminal: SLT	759	15-03-08
47	Call Waiting An- swer/Split An- swer	0~9, *, # Maximum of 8 digit	Terminal: SLT Splitting (switching) between calls	794	11-12-03
48	Account Code	0~9, *, # Maximum of 8 digit	Terminal: SLT	##	
51	VM Access	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	*8	
53	Live Recording at SLT	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	654	
54	VRS Routing for ANI/DNIS	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT Use when setting up ANI/DNIS Routing to the VRS Automated At- tendant. Using the Transfer feature, this also allows a call to be transfer- red to the VRS.	782	
56	E911 Alarm Shut Off	0~9, *, # Maximum of 8 digit	Terminal: MLT Enter the Service Code that an ex- tension user can dial to shut off the E911 Alarm Ring.	786	21-01-13 21-01-14
57	Tandem Trunking	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	#8	
58	Transfer Into Conference	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT Assign the Service Code a user di- als to Transfer a call to a Confer- ence call.	624	
59	Trunk Drop Oper- ation for SLT	0~9, *, # Maximum of 8 digit	Terminal: SLT	660	
62	Security Sensor Reset	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT Service Code setting for cancel Warning message sending and emergency call.	716	

ltem No.	ltem	Input Data	Description	Default	Related Program
63	Watch Mode Start	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT Service Code (SC) setting for on/off watch mode. SC+1;Watch mode start SC+0; Watch mode end.	717	
64	Security Sensor Mode Start	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT Service Code (SC) setting for on/off security sensor. SC+1; Start sensor detection SC+0; Ignore sensor detection	719	

11

MLT = Multiline TerminalSLT = Single Line Telephone

Conditions

None

Feature Cross Reference

Program 11 : System Numbering 11-13 : Service Code Setup (for ACD)

Level: IN

(This Program is available for V1.5 or higher)

Description

Use **Program 11-13 : Service Code Setup (for ACD)** to customize the Service Codes which are used with the Automatic Call Distribution (ACD) feature. You can customize additional Service Codes in Programs 11-10 ~ 11-12 and 11-14 ~ 11-16. The following chart shows:

• The number of each code (01 ~ 06).

- The function of the Service Code.
- The type of telephones that can use the Service Code.
- The default entry.

Input Data

ltem No.	Item	Input Data	Description	Default
01	ACD Log In/Log Out (for KTS)	0~9, *, # Maximum of 8 digit	Assign the service code used to Login (MLT/SLT) and Logout (MLT/SLT) ACD Agents. The service code assigned must be within your valid numbering plan in PRG.	*5
02	ACD Log Out (for SLT)	0~9, *, # Maximum of 8 digit	Assign the service code used to Logout SLT ACD Agents. The service code assigned must be within your valid numbering plan in PRG.	655
03	Set ACD Wrap-Up Time (for SLT)	0~9, *, # Maximum of 8 digit	Assign the service code used to set Wrap- Up on SLT ACD Agents. The service code assigned must be within your valid numbering plan in PRG.	656
04	Cancel ACD Wrap-Up Time (for SLT)	0~9, *, # Maximum of 8 digit	Assign the service code used to cancel Wrap-Up on SLT ACD Agents. The service code assigned must be within your valid numbering plan in PRG.	657
05	Set ACD Off Duty (for SLT)	0~9, *, # Maximum of 8 digit	Assign the service code used to set Off Duty on SLT ACD Agents. The service code assigned must be within your valid numbering plan in PRG.	658
06	Cancel ACD Off Duty (for SLT)	0~9, *, # Maximum of 8 digit	Assign the service code used to cancel Off Duty on SLT ACD Agents. The service code assigned must be within your valid numbering plan in PRG.	659



MLT = *Multiline Terminal*



SLT = *Single Line Telephone*

Conditions

None

Feature Cross Reference

Automatic Call Distribution (ACD)

Program



Program 11 : System Numbering 11-14 : Service Code Setup (for Hotel)

Level: IN

Description

Use **Program 11-14 : Service Code Setup (for Hotel)** to customize the Service Codes which are used with the Hotel/Motel feature. You can customize additional Service Codes in Programs 11-10 ~ 11-12, 11-15 and 11-16. The Service Codes can be used only at telephones registered as hotel terminals in Program 42-02.

The following chart shows:

- The number of each code (01 ~ 19).
- The function of the Service Code.
- The type of telephones that can use the Service Code.
- The default entry.

Input Data

ltem No.	ltem	Input Data	Description	Default
01	Set DND for Own Ex- tension	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT Determine what the service code should be for an internal party to set DND for own extension.	627
02	Cancel DND for Own Extension	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT Determine what the service code should be for an internal party to cancel DND for own extension.	628
03	Set DND for Other Ex- tension	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT Determine what the service code should be for an internal party to set DND for an- other extension.	629
04	Cancel DND for Other Extension	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT Determine what the service code should be for an internal party to cancel DND for another extension.	630
05	Set Wake Up Call for Own Extension	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT Determine what the service code should be for an internal party to set wake up call for own extension.	631
06	Cancel Wake Up Call for Own Extension	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT Determine what the service code should be for an internal party to cancel wake up call for own extension.	632
07	Set Wake Up Call for Other Extension	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT Determine what the service code should be for an internal party to set wake up call for another extension.	633
08	Cancel Wake Up Call for Other Extension	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT Determine what the service code should be for an internal party to cancel wake up call for another extension.	634

Program

11

ltem No.	Item	Input Data	Description	Default
09	Set Room to Room Call Restriction	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT Determine what the service code should be for an internal party to Set Room to Room Call Restriction.	635
10	Cancel Room to Room Call Restriction (Hotel)	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT Determine what the service code should be for an internal party to cancel Room to Room Call Restriction.	636
11	Change Toll Restric- tion Class for Other Extension	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT Determine what the service code should be for an internal party to change the toll restriction class for another extension.	637
12	Check-In	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT Determine what the service code should be for an internal party to check-in another extension.	638
13	Check-Out	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT Determine what the service code should be for an internal party to check-out anoth- er extension.	639
14	Room Status Change for Own Extension	0~9, *, # Maximum of 8 digit	of 8 Terminal: MLT, SLT Determine what the service code should be for an internal party to change room status on their extension.	
15	Room Status Change for Other Extension	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT Determine what the service code should be for an internal party to change room status on another extension.	641
16	Room Status Output	0~9, *, # Maximum of 8 digit	Terminal: MLT Determine what the service code should be for an internal party to output the status of hotel rooms via a printer.	642
17	Hotel Room Monitor	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT Determine what the service code should be for initiating Hotel Room Monitor.	675
19	Hotel Room Data Set	0~9, *, # Maximum of 8 digit	Terminal: MLT, SLT	No Setting



MLT = Multiline Terminal*SLT* = *Single Line Telephone*

Conditions

None

Feature Cross Reference

• Hotel/Motel

Program 11 : System Numbering

11-15 : Service Code Setup, Administrative (for Special Access)

Level:

Description

Use **Program 11-15 : Service Code Setup, Administrative (for Special Access)** to customize the special access Service Codes which are used by the administrator in the Hotel/Motel feature. You can customize additional Service Codes in Programs 11-10 ~ 11-14 and 11-16.

The following chart shows:

- The number of each code (01 ~ 14).
- The function of the Service Code.
- What type of telephones can use the Service Code.
- The default entry.
- Programs that may be affected when changing the code.

ltem No.	ltem	Input Data	Description	Default	Related Program
01	Remote Mainte- nance	0~9, *, # Maximum of 8 digit		730	
02	ACD Access in Dialin Conver- sion Table (V1.5 Added)	0~9, *, # Maximum of 8 digit		760	22-04 22-11
05	System Program- ming Mode, Log- On	0~9, *, # Maximum of 8 digit	Terminal: MLT	# * #*	11-01
09	Transfer to In- coming Ring Group	0~9, *, # Maximum of 8 digit		No Setting	
12	Extension Data Swap	0~9, *, # Maximum of 8 digit	Terminal: MLT	No Setting	92-04
13	Remote Access from DISA	0~9, *, # Maximum of 8 digit		No Setting	22-02
14	Modem Access	0~9, *, # Maximum of 8 digit		740	

Input Data



MLT = *Multiline Terminal SLT* = *Single Line Telephone*

Conditions

Feature Cross Reference





Program 11 : System Numbering 11-16 : Single Digit Service Code Setup

Level: IN

Description

Use **Program 11-16 : Single Digit Service Code Setup** to customize the one-digit Service Codes used when a busy or ring back signal is heard. You can customize additional Service Codes in Programs 11-10 ~ 11-15.

The following chart shows:

- The number of each code (01 ~ 11).
- The function of the Service Code.
- The default entry. For example, dialing 1 (Item 03) when calling an extension switches the call from either a voice or signal call (depending on how it is currently defined).
- Programs that may be affected by changing these codes.

Input [Data
---------	------

ltem No.	Item	Input Data	Default	Related Program
01	Step Call	0~9, *, # Maximum of 1 digit	2	
02	Barge-In	0~9, *, # Maximum of 1 digit	No Setting	
03	Switching of Voice/Signal Call	0~9, *, # Maximum of 1 digit	1	
04	Intercom Off-Hook Signaling	0~9, *, # Maximum of 1 digit	*	
05	Camp-On	0~9, *, # Maximum of 1 digit	#	
06	DND/Call Forward Override Bypass	0~9, *, # Maximum of 1 digit	No Setting	
07	Message Waiting	0~9, *, # Maximum of 1 digit	0	
08	Voice Over	0~9, *, # Maximum of 1 digit	6	
09	Access to Voice Mail	0~9, *, # Maximum of 1 digit	8	
10	(Department) STG All Ring Mode	0~9, *, # Maximum of 1 digit	No Setting	16-01-05
11	Station Park Hold	0~9, *, # Maximum of 1 digit	No Setting	

Conditions

None

Feature Cross Reference

Program 11 : System Numbering 11-17 : ACD Group Pilot Number

Level:

<u>IN</u>

(This Program is available for V1.5 or higher)

Program

Description

Use **Program 11-17 : ACD Group Pilot Number** to assign the ACD Master Number for each ACD Group. This is the number a user dials to transfer calls to the ACD Group. Normally, you should use unassigned extension numbers for the master number. If you want to use an extension number which, by default, has a port number assigned, first remove the default assignment.

Input Data

ACD Group Number	01 ~ 02
------------------	---------

ltem No.	Item	Input Data	Description	Default
01	ACD Group Pilot Number	Dial (Up to eight digits)	Assign the ACD Master Number for each ACD Group.	No Setting

Conditions

None

Feature Cross Reference

• Automatic Call Distribution (ACD)
Program 11 : System Numbering *11-19 : Remote Conference Pilot Number Setup*

Level: IN

Description

Use **Program 11-19 : Remote Conference Pilot Number Setup** to assign the pilot number to be used for the Remote Conference. This is the number that outside parties will call in order to connect to a conference.

Input Data

Conference Group Number	1 ~ 4

ltem No.	Item	Input Data	Default	Related Program
01	Remote Conference Group Pilot Number	Dial (Up to 8 digits)	See 🖉	20-13-46 20-34

No Remote Conference Pilot Numbers assigned to any Conference Group $(1 \sim 4)$.

Conditions

None

Feature Cross Reference

Conference, Remote

Program 11 : System Numbering 11-20 : Dial Extension Analyze Table

Level: <u>IN</u>

Description

Program

Input Data

Dial Extension Analyze Table		001 ~ 128			
ltem No.	Item		Input Data	Default	Related Program
01	Dial Extension Analyze Table	Dial (Up to eight d	igits : 0, 1 ~ 9, #, *, @)	No Setting	11-01
02	Dial Extension Analyze Table	Type of Dials : 0 = Not used 1 = Service Code 2 = Extension Nur 5 = Operator Acces 6 = F-Route Acces	nber 258 35	0	11-01

Use Program 11-20 : Dial Extension Analyze Table to define the dial type based on three or more

digits. This program is relevant only if digits in 11-01-01 are set to 9 (Dial Extension Analyze).

Conditions

• When the system uses the Dial Extension Analyze Table to determine the dial type, the lower table has priority. For example, if Table 1 has 211 defined and Table 2 has 2113 defined, Table 1 is used to determine the dial type.

Feature Cross Reference

Program 12 : Night Mode Setup 12-01 : Night Mode Function Setup

Level: IN

Description

Use **Program 12-01 : Night Mode Function Setup** to set up the Night Mode options. Refer to the following chart for a description of each option, its range and default setting.

Input Data

ltem No.	ltem	Input Data	Description	Default	Related Program
01	Manual Night Mode Switching	0 = Off (Manual Night Mode changes are not allowed.) 1 = On (Manual Night Mode changes are al- lowed.)	Allow/Prevent a activating Night Service by dialing a service code.	1	11-10-01
02	Automatic Night Mode Switching	0 = Off (Automatic Night Mode disabled) 1 = On (Automatic Night Mode enabled)	According to a preset schedule, en- able or disable Automatic Night Service for the system.	0	12-02 12-03

Even if the operation mode is changed manually, the operation mode changes according to the schedule set up.

Conditions

None

Feature Cross Reference

Night Service

Program

Program 12 : Night Mode Setup 12-02 : Automatic Night Service Patterns

Level:

<u>SA</u>

Description

Program

12

Use **Program 12-02 : Automatic Night Service Patterns** to define the daily pattern of the Automatic Mode Switching. Each Mode Group has 10 patterns. These patterns are used in Programs 12-03 and 12-04. The daily pattern consists of 20 timer Settings.

Input Data

Night Mode Service Group Number	01 ~ 04
---------------------------------	---------

Time Pattern Number

Set Time Number

01 ~ 20

01 ~ 10

ltem No.	ltem	Input Data	Description	Default
01	Start Time	0000 ~ 2359	Per Night Service Group, Per Time Pat- tern, assign a starting time pattern. The first time pattern must start at 00:00 (mid- night).	Refer below
02	End Time	0000 ~ 2359	Per Night Service Group, Per Time Pat- tern, assign an ending time pattern. Each used time pattern must have a starting and ending time assigned.	Refer below
03	Operation Mode	1 ~ 8 = Night Modes 1 ~ 8		Refer below

Example :

Time Pattern 1

0:00	9:00	12:00	13:00	17:00	18:00	22:00	0:00
Mode 3	Mode 1	Mode 4	Mode 1	Mode 4	Mode 2	Mode 3	
(midnight)	(day)	(rest)	(day)	(rest)	(night)	(midnight)	

To make the above schedule, it is necessary to set the data as follows:

Time setting 01 :	00 : 00 to 09 : 00	Mode 3 (midnight)
Time setting 02 :	09 : 00 to 12 : 00	Mode 1 (day)
Time setting 03 :	12 : 00 to 13 : 00	Mode 4 (rest)
Time setting 04 :	13 : 00 to 17 : 00	Mode 1 (day)
Time setting 05 :	17 : 00 to 18 : 00	Mode 4 (rest)
Time setting 06 :	18 : 00 to 22 : 00	Mode 2 (night)
Time setting 07 :	22 : 00 to 00 : 00	Mode 3 (midnight)

Time Pattern 2

00 : 00	00 : 00	
Mode 2		
(night)		
Time setting 01 :	00 : 00 to 00 : 00	Mode 2 (night)

Default

Time Pattern 1

Set Time Number	Start Time	End Time	Mode
01	0000	0800	2
02	0800	1700	1
03	1700	0000	2
04	0000	0000	1
:	:	:	:
20	0000	0000	1

Time Pattern 2

Set Time Number	Start Time	End Time	Mode
01	0000	0000	2
02	0000	0000	1
:	:	:	:
20	0000	0000	1

Time Pattern 3 ~ 10

Set Time Number	Start Time	End Time	Mode
01	0000	0000	1
:	:	:	:
20	0000	0000	1

Conditions

None

Feature Cross Reference

Night Service

Program 12 : Night Mode Setup *12-03 : Weekly Night Service Switching*

Level:

<u>SA</u>

Description

settings. 21-02 : Trunk Group Routing for Extensions

Program

12

Input Data

Night Mode Service Group Number	01 ~ 04
---------------------------------	---------

Use Program 12-03 : Weekly Night Service Switching to define a weekly schedule of night-switch

Item No.	Item	Input Data	Default
01	Day of the Week	01 = Sunday 02 = Monday 03 = Tuesday 04 = Wednesday 05 = Thursday 06 = Friday 07 = Saturday	Refer below
	Time Schedule Pattern Number	0 ~ 10	

Default

Day of the Week	Time Schedule Pattern Number
01 = Sunday	2
02 = Monday	1
03 = Tuesday	1
04 = Wednesday	1
05 = Thursday	1
06 = Friday	1
07 = Saturday	2

Conditions

None

Feature Cross Reference

Program 12 : Night Mode Setup 12-04 : Holiday Night Service Switching



Description

Use **Program 12-04 : Holiday Night Service Switching** to define a yearly schedule of holiday nightswitch settings. This schedule is used for the setting of special days when the company is expected to be closed, such as a national holiday.

Input Data

Night Mode Service Group Number	01 ~ 04
---------------------------------	---------

Item No.	Item	Input Data	Default
01	Days and Months	0101 ~ 1231 (e.g. 0101 = Jan. 1, 1231 = Dec. 31)	No Setting
	Time Pattern Number	0 ~ 10 (0 = No Setting)	

Conditions

None

Feature Cross Reference

• Night Service

Program 12 : Night Mode Setup

12-05 : Night Mode Group Assignment for Extensions

Level:

Description

Program

12

Use **Program 12-05 : Night Mode Group Assignment for Extensions** to a assign Day/Night Mode Group for each extension.

Input Data

Extension Number		Up to eight digits		
Item Item Input Data		Description	Default	
01	Night Mode Service Group Number	1 = Night Mode Group 1 2 = Night Mode Group 2 3 = Night Mode Group 3 4 = Night Mode Group 4	Assign extension numbers into one of the four Night Mode Service Groups.	1

Conditions

None

Feature Cross Reference

Program 12 : Night Mode Setup 12-06 : Night Mode Group Assignment for Trunks

Level: <u>IN</u>

Description

Use **Program 12-06 : Night Mode Group Assignment for Trunks** to assign a Day/Night Mode Group for each trunk port.

Input Data

Trunk Port Number		001 ~ 084		
		1	r	
ltem No.	Item	Input Data	Description	Default
01	Night Mode Service Group Number	1 = Night Mode Group 1 2 = Night Mode Group 2 3 = Night Mode Group 3 4 = Night Mode Group 4	Assign the trunks into one of the four Night Mode Service Groups.	1

Conditions

None

Feature Cross Reference

Program 12 : Night Mode Setup 12-07 : Text Data for Night Mode

1~8

Level:

Description

Program

12

Input Data

Night Mode Service Group Number01 ~ 04

Use Program 12-07 : Text Data for Night Mode to make an original text message which is displayed

Day/Night Mode

on an LCD of Multiline telephone in each Mode.

ltem No.	Item	Input Data	Description	Default
01	Text Message	Maximum 12 Characters (alphabetic or numeric)	Assign the data that will be displayed on the phones display when the system en- ters one of the eight different night modes. Only phones that have manual night mode switching enabled in class of service (PRG 20-07-01) will display the text.	Mode 1 = No Setting Mode 2 = <night> Mode 3 = <mid- night> Mode 4 = <rest> Mode 5 = <day2> Mode 6 = <night2> Mode 7 = <mid- night2> Mode 8 = <rest2></rest2></mid- </night2></day2></rest></mid- </night>

Conditions

None

Feature Cross Reference

Program 12 : Night Mode Setup 12-08 : Night Mode Service Range

Level: SA

Description

Use **Program 12-08 : Night Mode Service Range** to define the changing range of toggle key for each Day/Night Mode.

Input Data

Night Mode Service Group Number		01 ~ 04		
ltem No.	Item	Input Data	Description	Default
01	Range	2~8	When a Night Mode Key (PRG 15-07 key 09) is assigned as a toggle key (PRG 20-01-17), this data determines how many night modes a user toggles through when the Night Mode key is pressed. Each press of the Night Mode key toggles to the next mode.	2
02	Lamp setting of tog- gle key (V5.0 Added)	0 = Off 1 = On	Whether the Lamp of toggle key sets on or off.	0

Example :

When Program 12-08-01 is set to 3 and the Mode Key is pressed, the following modes are switched :

- Press once = Night
- Press twice = Mid-night
- Press third = Day
- Default = 2

Conditions

None

Feature Cross Reference

Program 13 : Abbreviated Dialing 13-01 : Speed Dialing Function Setup

Level: IN

Description

Program

13

Input Data

ltem No.	ltem	Input Data	Description	Default	Related Program
01	Speed Dialing Auto Outgoing Call Mode	0 = Trunk Outgoing Mode (Use trunk group assigned in PRG 13-05.) 1 = Intercom Outgoing Mode (Follow the sys- tem routing for the trunk access code en- tered.)	Set where the Speed Dial bins will use Trunk Routing (0) or dial the bin as though it is an Intercom number (1).	0	13-05
02	Private Speed Di- al	0 = Do not use 1 = Use	Define use additional 20 Private speed dial bin beside 1000 Com- mon speed dial bin or not.	1	13–06
03	Number of Com- mon Speed Dial- ing Bins	0 ~ 1000 0 = No Common Speed Dialing (No System Speed Dial)	Assign the number of Speed Dial bins that are used for System Speed Dials.	900	13-04
04	Trunk Access Routing (V3.0 Added)	0 = Trunk Group 1 = Trunk Route	0 = PRG13-05 defines a trunk group in PRG14-05 to select a trunk from. 1 = PRG13-05 refers to a trunk ac- cess route in PRG14-06.	0	

Use Program 13-01 : Speed Dialing Function Setup to define the Speed Dialing functions.

Conditions

None

Feature Cross Reference

Program 13 : Abbreviated Dialing 13-02 : Group Speed Dialing Bins

Level: IN

Description

Use **Program 13-02 : Group Speed Dialing Bins** to define the range of bin numbers to be used by each Speed Dialing group.

(Refer to 13-03 : Speed Dialing Group Assignment for Extensions on page 2-102.)

Input Data

Speed Dialing Group Number01 ~ 32		01 ~ 32	
	1		
Item No.	Item	Input Data	Default
01	Start Address of Speed Dialing Bin	0 ~ 990	Refer below
	End Address of Speed Dialing Bin	0, 9 ~ 999	

Default

Abbreviated dial group No.	Start address of ABB Bin	End address of ABB Bin
1	0	0
:	:	:
32	0	0

Conditions

None

Feature Cross Reference

Abbreviated Dialing/Speed Dial

Program

Program 13 : Abbreviated Dialing

13-03 : Speed Dialing Group Assignment for Extensions

Level: <u>IN</u>

Description

Program

13

Use **Program 13-03 : Speed Dialing Group Assignment for Extensions** to assign Speed Dialing Group for each extension. There are 32 available Speed Dialing groups.

Input Data

Extension Number			Up to 8 digits		
ltem No.	Item	Input Data	Description	Default	
01	Group Number	01 ~ 32 Assign group number for extension	Assign each extension to a speed dialing group.	1	

Conditions

None

Feature Cross Reference

Program 13 : Abbreviated Dialing *13-04 : Speed Dialing Number and Name*

Level: SB

Description

Use **Program 13-04 : Speed Dialing Number and Name** to store Speed Dialing data in the Speed Dialing areas. This program is also used to define the names assigned to the Speed Dialing numbers.

Input Data

	Speed Dialing Bin Number			000 ~ 999		
ltem No.	ltem	Input Data		Description	Default	Related Program
01	Speed Dialing Data	1~9,0,*,#, Pause (Press line key 1), Recall/Flash (Press line key 2), @ = Code to wait for answer supervision in ISDN (Press line key 3) (Maximum 36 digits)	Per s sign 1 be ca If 13- clude If 13- trunk	ppeed dial bin (000 ~ 999) as- the telephone number that is to alled when the bin is accessed. 01-01 is set to (0) do not in- the trunk access code. 01-01 is set to (1) include the access code.	No Setting	
02	Name	Maximum 12 Charac- ters (Use dial pad to enter name)	Per S assig searc If a n spee will n	Speed Dialing bin (000 ~ 999) In a name to be used when ching through the directory. ame is not assigned for a d dial bin the speed dial entry ot be listed in the directory.	No Setting	
03	Transfer Mode	0 = Not Used (Calls will not be routed based off a users caller ID.) 1 = Internal Dial (Calls will be routed to an in- ternal number specified in PRG 13-04-04.) 2 = Incoming Ring Group (Calls will be routed to a ring group specified in PRG 13-04-04.) 3 = Remote Monitor (Used for the security feature and not Flexible Caller ID routing.)		Each time when this setting is changed Program 13-04-04 will be reset. (V1.5 Added)	0	

Program

13

ltem No.	ltem	Input Data	Description	Default	Related Program
04	Transfer Destina- tion Number	If Transfer mode is (Re- fer to 13-04-03) : 1 = Internal Dial Mode 1 ~ 9, 0, $*, \#, P, R, @$ (Maximum 36 Charac- ters) 2 = Incoming Ring Group 0 ~ 25 (IRG Number) P = Pause R = Recall @ = Additional Digits when using ISDN func- tionality 3 = Remote Monitor Dial (Up to 8 digits)	This setting can be changed only when Program 13-04-03 is set other than 0. Also if the Program 13-04-03 is set to 3 only Exten- sion number can be changed. (V1.5 Added)	No Setting	13-04-03
05	Incoming Ring Pattern	0 = Normal System Ring Pattern 1 ~ 4 = Tone Pattern 1 ~ 4 5 ~ 9 = Scale Pattern 1 ~ 5 10 ~ 13 = Tone Pattern 5 ~ 8 (V3.0 Added)	When set 1 or 2 at PRG13-04-03, this program is used to assign a ring pattern for the caller ID routed call.	0	13-04-03
07	VRS Message Number	0 ~ 100	If the VRS can not be played it will use a Program 13-04-05 Ringing Pattern. (V1.5 Added)	0	
08	Memo1 (V1.5 De- leted)	Maximum 28 digit	<i>Can only be changed in WebPro or PCPro.</i>	No Setting	15-02-58
09	Memo2 (V1.5 De- leted)	Maximum 28 digit	<i>Can only be changed in WebPro or PCPro.</i>	No Setting	15-02-58
10	Memo3 (V1.5 De- leted)	Maximum 28 digit	<i>Can only be changed in WebPro or PCPro.</i>	No Setting	15-02-58
11	Mailbox Number	0~544	This setting only works when Program 13-04-01 Speed Dial and Incoming Trunk Call match. (V1.5 Added)	0	40-02

Conditions

None

Feature Cross Reference

Program 13 : Abbreviated Dialing 13-05 : Speed Dial Trunk Group

Level: SB

Description

Use **Program 13-05 : Speed Dialing Trunk Group** to define the trunk group to be seized for each Speed Dialing number.

If this program has an entry of 0 (no setting), then seizing a line follows the trunk access group routing of the caller's extension (refer to Program 14-06). This setting is available only in External Speed Dialing Mode (Program 13-01-01).

Program

Input Data

Speed Dialing Bin Number			000 ~ 999)
Item	ltem		Input Data	Default

ltem No.	Item	Input Data	Default
01	Trunk Group/Route Number (V3.0 Changed)	0 = Follow the caller's extension trunk group rout- ing (PRG 21-02) 1 ~ 25 = Trunk group 1 ~ 25	No Setting

Conditions

None

Feature Cross Reference

Program 13 : Abbreviated Dialing 13-06 : Speed Dial Number and Name

Level: SB

Description

Program

13

Use **Program 13-06 : Speed Dial Number and Name** to set up the dial number and name of each Speed Dial Number.

Input Data

Extension Number Up to 8 digits	Extension Number	
Speed Dial Number01 ~ 20	Speed Dial Number	
Speed Dial Number 01 ~ 20	Speed Dial Number	

Item No.	ltem	Input Data	Default
01	Speed Dialing Data	1 ~ 9, 0, *, #, P ause (Press line key 1), R ecall/ Flash (Press line key 2), @ = Code to wait for answer supervision in ISDN (Press line key 3) (Maximum 36 digits)	No Setting
	Name	Maximum 12 Characters (Use dial pad to enter name)	

Conditions

None

Feature Cross Reference

Program 13 : Abbreviated Dialing 13-11 : Abbreviated Dial Group Name

Level: SB

Description

Use **Program 13-11 : Abbreviated Dial Group Name** to set the name of Abbreviated Dial Group Name.

Input Data

Group Number		01 ~ 32			
ltem	ltem	Input Data Defa		Default	

No.			
01	Group Name	Up to 12 characters	1 = ABB : GROUP01
			: 32 = ABB : GROUP32

Conditions

None

Feature Cross Reference

None

Program 14 : Trunk, Basic Setup 14-01 : Basic Trunk Data Setup

Level: IN

Description

Program

14

Input Data

	Trunk Port Number			001 ~ 084			
ltem No.	Item	Input Data	Description		Default	Related Program	
01	Trunk Name	Up to 12 characters	Set the names for trunks. The trunk name displays on a multiline termi- nal for incoming and outgoing calls.		Refer below		
02	Transmit Level	1 ~ 63 (- 15.5 dB ~ + 15.5 dB in 0.5 dB intervals)	Use this option to select the CODEC gain for the trunk. The option sets the gain (signal amplification) for the trunk you are programming.		32 (0 dB)		
03	Receive Level	1 ~ 63 (- 15.5 dB ~ + 15.5 dB in 0.5 dB intervals)	Use this option to select the CODEC gain for the trunk. The option sets the gain (signal amplification) for the trunk you are programming.		32 (0 dB)		
04	Transmit Gain Level for Confer- ence and Trans- fer Calls	1 ~ 63 (- 15.5 dB ~ + 15.5 dB in 0.5 dB intervals)	Use t gain t is par ence.	his option to select the CODEC type used by the trunk when it t of an Unsupervised Confer-	32 (0 dB)		
05	Receive Gain Level for Confer- ence and Trans- fer Calls	1 ~ 63 (- 15.5 dB ~ + 15.5 dB in 0.5 dB intervals)	Use t gain t is par ence.	his option to select the CODEC type used by the trunk when it t of an Unsupervised Confer-	16 (- 8 dB)		
06	SMDR Printout	0 = No (trunk will not be reported in the SMDR print out.) 1 = Yes (trunk will be reported in the SMDR print out.)	This option can include/exclude trunks from being reported in the SMDR printout. If a trunk is set to No Print Out (set- ting data of 0) any calls made or re- ceived on this line will not be repor- ted in the SMDR printout.		1		
07	Outgoing Calls	0 = Deny (No) 1 = Allow (Yes)	Use this option to allow/prevent out- going calls on the trunk you are pro- gramming.		1		
08	Toll Restriction	0 = Restriction Disa- bled (Toll restriction will not be applied to calls on this trunk.) 1 = Restriction Enabled (Toll restriction will be applied to calls on this trunk.)	Use this option to enable/disabled Toll Restriction for the trunk. If ena- bled, the trunk follows Toll Restric- tion programming (example: Pro- grams 21-05, 21-06). If disabled, the trunk is a toll free line.		1	21-04 21-05 21-06	

Use Program 14-01 : Basic Trunk Data Setup to set the basic options for each trunk port. Refer to

the chart below for a description of each option, its range and default setting.

ltem No.	ltem	Input Data	Description	Default	Related Program
09	Private Line	0 = Disable Private Line (Normal) 1 = Enable Private Line (Private Line)		0	
10	DTMF Tones for Outgoing Calls	0 = Disable (No) 1 = Enable (Yes)	Use this option to enable (1) or disa- ble (0) DTMF tones for outgoing trunk calls.	0	
11	Account Code Required	0 = Disabled (user can- not enter account co- des using this trunk.) 1 = Enabled (user can enter account codes using this trunk.)	Per trunk enable or disable the abili- ty to enter an account code on an inbound or outbound trunk call.	1	
13	Trunk-to-Trunk Transfer	0 = Disable (No) 1 = Enable (Yes)	Use this option to enable (1) or disa- ble (0) loop supervision for the trunk. This option is required for Call Forwarding Off-Premise and Tan- dem Trunking only.	1	
14	Long Conversa- tion Cutoff	0 = Disable (No) 1 = Enable (Yes)	Use this option to enable or disable the Long Conversation Cutoff fea- ture for each trunk.	0	20-21-03 20-21-04
15	Long Conversa- tion Alarm Be- fore Cutoff	0 = Disable (No) 1 = Enable (Yes)	Use this option to enable or disable the Long Conversation Alarm for each trunk.	0	20-21-01 20-21-02
16	Forced Release of Held Call	0 = Disable (No) 1 = Enable (Yes)	Use this option to enable/disable forced release for calls on Hold. If enabled, the system disconnects a call if it is on Hold longer than a pro- grammed interval (Program 24-01-05). If disabled, forced dis- connection does not occur. Program 24-01-01 also affects this option.	0	24-01-01 24-01-05
17	Trunk to Trunk Warning Tone for Long Conversa- tion Alarm	0 = Disable (No) 1 = Enable (Yes)	Use this option to enable or disable the Warning Tone for Long Conver- sation feature for DISA callers.	0	
18	Warning Beep Tone Signaling	0 = Disable (No) 1 = Enable (Yes)		0	
19	Privacy Mode Toggle Option	0 = Disable (No) 1 = Enable (Yes)	Use this option to enable or disable a trunk ability to be switched from private to non-private mode by pressing the line key or Privacy Re- lease function key.	0	
20	Block Outgoing Caller ID	0 = Prevent (No) 1 = Allow (Yes)	Allow (1) or prevent (0) the system from automatically blocking outgoing Caller ID information when a user places a call. If allowed (i.e. block, enabled), the system automatically inserts the Caller ID block code (de- fined in 14-01-21) before the user dialed digits.	0	14-01-21 20-08-15
21	Caller ID Block Code	Dial (up to eight dig- its)	Enter the code, up to 8 digits, that should be used as the Caller ID Block Code. This code is automati- cally inserted before dialed digits if Program 14-01-20 is set to 1.	*67	14-01-20 20-08-15
22	Caller ID to Voice Mail	0 = Disable (Caller ID not sent to VM.) 1 = Enable (Caller ID is sent to VM.)	Enable or disable the system ability to send the Caller ID digits (Remote Log-On Protocol) to voice mail.	0	

Program

Program

ltem No.	Item	Input Data	Description	Default	Related Program
24	Trunk-to-Trunk Outgoing Caller ID through Mode	0 = Disable (Caller ID not forwarded out.) 1 = Enable (Caller ID is forwarded out.)	Enable (1) or Disable (0) the ability to send the original Caller ID through when the call is Forward Off-Premise.	0	
25	Continued/ Discontinued Trunk-to-Trunk Conversation	0 = Disable (No) 1 = Enable (Yes)	Enable (1) or Disable (0) the ability to dial a service code to continue or disconnect the Trunk-to-Trunk con- versation after the alert tone is heard.	0	20-28-01 20-28-02 20-28-03 24-02-07 24-02-10 25-07-07 25-07-08
26	Automatic Trunk- to-Trunk Transfer Mode	0 = Normal Transfer (Normal) 1 = Step Transfer (Step)		0	24-02-11 24-02-12
27	Caller ID Refuse Setup	0 = Disable (CID refuse will not function.) 1 = Enable	Per trunk enable or disable the abili- ty to use the caller ID refuse feature.	0	
28	Effectively of "Conversation Recording Desti- nation for Exten- sion"	0 = No Effect (No) 1 = Available (Yes)		1	15-12
30	Flexible Ringing by Caller ID	0 = Disable (No) 1 = Enable (Yes)		1	13-04
32	Anti-trombone Function	0 = No Effect (No) 1 = Available (Yes)		0	
33	APSU(VM00) Trunk Receive Gain	1 ~ 63 (- 15.5 dB ~ + 15.5 dB in 0.5 dB intervals)	Additional PAD when a trunk call connects to APSU Voice Mail.	32 (0 dB)	
36	Calling Party Name notifica- tion (ISDN Trunk)	0 = Off (when set to Off the system will not send any outbound calling party informa- tion.) 1 = On (when set to ON the system will send calling party informa- tion.)	This program enables/disabled the ability to send calling party name in- formation on a per trunk basis.	0	
38	Outgoing CLI se- lection (V3.0 Add- ed)	0 = Contract Number 1 = Extension Number 2 = Extended Table 3 = PRG21-13 4 = PRG21-18 5 = PRG21-19 6 = No Digits	Shows what number to show.	0	21-13-01 21-18-01 21-19-01 21-25-01
39	CLI composition (V3.0 Added)	0 = Prefer extension 1 = Combine trunk + extension	If the flag has the default value 0: "prefer extension", the extension's CLI is sent out, if it is not empty. If it is empty, the trunk's CLI is sent in- stead. If the flag has the value 1: "combine trunk+extension", the trunk's CLI is stored in the sending buffer, padded with the extension's CLI.	0	

	-				
ltem No.	ltem	Input Data	Description	Default	Related Program
40	ISDN Queue an- nouncement connect mode (V2.0 Added)	0 = send CONNECT 1 = send PROGRESS #8	When a VRS queue message is to be played back (configured in PRG 22-14, PRG 22-15, PRG 41-11, or PRG 41-19, the system shall, in- stead of a CONNECT message, send a PROGRESS message in- cluding a ProgressIE #8 "in-band tones and announcements availa- ble".	0	22-14 22-15 41-11 41-19
41	Incoming Caller Name Usage (V2.0 Added)	0 = Use 1 = Ignore	This program will determines that the caller name information from the network is valid or not. If the pro- gram is set to 1, the caller name in- formation the network provides is ig- nored.	0	
46	Collect Call Blocking (V4.0 Added)	0 = Disable 1 = Enable	Can block the Collect only when ISDN line is in use.	0	20-09-09

Item01 : Trunk Name

Trunk Port Number	Name
1	Line 001
2	Line 002
:	:
84	Line 84

Conditions

None

Feature Cross Reference

None

Program

Program 14 : Trunk, Basic Setup 14-02 : Analog Trunk Data Setup

Level: IN

Description

Program

14

Input Data

Trunk Port Number		001 ~ 084				
ltem No.	Item	Input Data		Description	Default	Related Program
01	Signaling Type (DP/DTMF)	0 = Dial Pulse (10 PPS) 2 = DTMF	This of for the	option sets the signaling type e trunk.	2	
02	Ring Detect Type	0 = Normal/delayed 1 = Immediate Ringing	Anyed This option sets Extended Ring De- tect or Immediate Ring Detect for the trunk. For T1 loop/ground start trunks, this option must be set to 1 for the trunks to ring and light cor- rectly.		1	
03	Flash Type	0 = Open Loop Flash 1 = Ground	This of (open set th	option selects the flash type I loop flash or ground). Always is option for open loop flash.	0	
04	Hooking Type	0 = Timed Flash (Hook- ing) 1 = Disconnect (Cut)	This of Timeo Disco user i the Fl call.)	option lets you use Flash for d Flash (Program 81-01-14) or nnect (Program 81-01-15). (A implements Flash by pressing LASH key while on a trunk	0	81-01-14 81-01-15
05	Dial Tone Detec- tion for Manually Accessed Trunks	0 = Dial Tone Detection Not Used 1 = Dial Tone Detection Used	Use t tone o trunks dials ing fo	his option enable/disable dial detection for directly accessed s. If disabled, the system out- on the trunks without monitor- r dial tone.	0	21-01-04
06	Pause at 1st Dig- it after Line Seize in Manual Dial Mode	0 = No Pause (No) 1 = Pause (Yes)			1	21-01-06

Use **Program 14-02 : Analog Trunk Data Setup** to set the basic options for each analog trunk port.

Refer to the table below for a description of each option, its range and default setting.

ltem No.	ltem	Input Data	Description	Default	Related Program
07	DP to DTMF Con- version Options	0 = Automatic 1 = Automatic and Manual 2 = Manual	Determine how a user can convert a Dial Pulse (DP) call to a DTMF call. For each trunk, set the type of DP to DTMF conversion required. There are three conversion options: Auto- matic (0), Automatic and Manual (1), or Manual (2). Automatic: DP to DTMF conversion occurs au- tomatically if the extension user waits more than 10 seconds before dialing the next digit. Automatic and Manual: DP to DTMF conversion occurs au- tomatically if the extension user waits more than 10 seconds before dialing the next digit. In addition, the user can dial # to switch a DP trunk to DTMF dialing. Manual: Users can dial # to switch a DP trunk to DTMF dialing.	2	21-01-03
08	Answering Con- dition	0 = Polarity Reversing (Polarity) 1 = Polarity Reversing or Timer (Int Digit)		1	21-01-03
09	Busy Tone De- tection	0 = Disable (No) 1 = Enable (Yes)		0	
10	Caller ID	0 = Off (Caller ID not displayed.) 1 = On (Caller ID is displayed.)	Enable or disable a trunk ability to receive Caller ID information.	1 (V1.5 Changed)	
11	Next Trunk in Ro- tary if No Dial Tone	0 = Disable (No) 1 = Enable (Yes)	Use this option to enable/disable the system ability to skip over a trunk if dial tone is not detected. This option pertains to calls placed using Speed Dial, ARS, Last Number Redial or Save Number dialed. It does not pertain to line key or Direct Trunk Access calls.	0	
12	Detect Network Disconnect Sig- nal	0 = Disable (No) 1 = Enable (Yes)		1	
13	Trunk-to-Trunk Limitation	0 = Disable (No) 1 = Enable (Yes)		0	
18	Busy Tone De- tection on Talk- ing	0 = Disable 1 = Enable		0	
19	Busy Tone De- tection Frequen- cy	1 ~ 255		1	14-02-18
20	Busy Tone De- tection Interval	0 ~ 64800 (x 100 ms)		0	14-02-18
23	Caller ID Receiv- ing Method	0 = Wait Caller ID 1 = Immediate Ring	Rings extension before receiving Caller ID (1) or after receiving Caller ID (0).	1	
24	Use Call Waiting Caller ID (V4.0 Added)	0 = Off 1 = On	Set the Call Waiting Caller ID.	1	14-02-10

Program

Conditions

None

Feature Cross Reference

None

Program



Program 14 : Trunk, Basic Setup 14-04 : Behind PBX Setup

Level: IN

Description

Use **Program 14-04 : Behind PBX Setup** to indicate if the trunk is installed behind a PBX. There is one item for each mode.

Input Data

Trunk Port Number	001 ~ 084
Day/Night Mode	1~8

ltem No.	ltem	Input Data	Default	Related Pro- gram
01	Type of Connection	0 = Stand Alone (Trunk) 1 = Behind PBX (PBX) 3 = CTX assume 9	0	22-02

Conditions

None

Feature Cross Reference

· Central Office Calls, Placing

Program 14 : Trunk, Basic Setup 14-05 : Trunk Group

Level: <u>IN</u>

Description

Program

14

Use **Program 14-05 : Trunk Group** to assign trunks to Trunk Groups. You can also assign the outbound priority for trunks within the group. When users dial up the trunk group, they seize the trunks in the order you specify in the outbound priority entry.

Input Data

Trunk Port Number		001 ~ 084	
Item No.	Item	Input Data	
01	Trunk Group Number	0 ~ 25	
	Priority Number	001 ~ 084	

Default

Trunk Port	Group	Priority
1	1	1
:	:	:
084	1	084

Conditions

None

Feature Cross Reference

Trunk Groups

Program 14 : Trunk, Basic Setup 14-06 : Trunk Group Routing

Level: IN

Description

Use **Program 14-06 : Trunk Group Routing** to set up an outbound routing table for the trunk groups you assigned in Program 14-05. When a user dial 9, the system routes their calls in the order (priority) specified. For example, if a user dials 9 and all calls in the first group are busy, the system may route the call to another group. Trunk Access Map programming (Programs 14-07) may limit this option. The system contains 25 routing tables for trunk access. Each table has four priority orders for trunk access. There are 25 available Trunk Group Numbers.

Example for setting:

With less than four trunk groups,

Route Number 1	: Order 1 - Trunk Group 1
	: Order 2 - Trunk Group 2

For the above setting, if all the lines in trunk group 1 are busy, the system searches for an idle line in trunk group 2.

With more than four trunk groups,

: Order 1 - Trunk Group 1
: Order 2 - Trunk Group 2
: Order 3 - Trunk Group 3
: Order 4 - 1002 (Jump To Route Number 2)
: Order 1 - Trunk Group 4
: Order 2 - Trunk Group 5

For the above setting, if all the lines in the trunk groups 1, 2 and 3 are busy, the system searches for an idle line in trunk groups 4 and 5.

Input Data

Route Table Number	001 ~ 025
Priority Order Number	1~4

ltem No.	Item	Input Data	Default	Related Program
01	Trunk Group Routing	0 = Not Set 001 ~ 025 = Trunk group No. 101 ~ 104 = 100 + Networking System No. (V1.5 Added) 1001 ~ 1025 = 1000 + Route Table No.	Refer below	14-01-07 14-05 15-01-02 21-02

Default

Program

14

Route No.	Order	Data
Route 1	1	1 (Trunk group 1)
	2	0 (Not specified)
	3	0 (Not specified)
	4	0 (Not specified)
Route 2	1	0 (Not specified)
	2	0 (Not specified)
	3	0 (Not specified)
	4	0 (Not specified)
:	1	0 (Not specified)
	2	0 (Not specified)
	3	0 (Not specified)
	4	0 (Not specified)
Route 25	1	0 (Not specified)
	2	0 (Not specified)
	3	0 (Not specified)
	4	0 (Not specified)

Conditions

None

Feature Cross Reference

Program 14 : Trunk, Basic Setup 14-07 : Trunk Access Map Setup

Level: IN

Description

Use Program 14-07 : Trunk Access Map Setup to set up the Trunk Access Maps. This sets an extension access options for trunks. For example, an extension can place only outgoing calls on trunks to which it has outgoing access. There are 084 Access Maps with all 084 trunk ports programmed in Map 1 with full access.

An extension can use one of the maps you set up in this program. Use Program 15-06 to assign Trunk Access Maps to extensions. Each trunk can have one of eight access options for each Access Map.

Emergency calls will override Program 14-07 settings.

Input Data

Access Map Number		001 ~ 084	4		
ltem No.	Item	Input Data		Description	Default
01	Access Map	0 = No access 1 = Outgoing access only 2 = Incoming access only 3 = Access only when trunk on Hold 4 = Outgoing access and access when tr Hold 5 = Incoming access and access when tr Hold 6 = Incoming and Outgoing access 7 = Incoming access, outgoing access ar when trunk on Hold	unk on unk on ud access	Trunk Port Number = 001 ~ 084	Refer below

Default

Access map No.	Trunk Port No.	Default
1	1	7 (T, R, H)
	2	7 (T, R, H)
	:	:
	084	7 (T, R, H)
2	1	7 (T, R, H)
	2	7 (T, R, H)
	:	:
	084	7 (T, R, H)

Program

Access map No.	Trunk Port No.	Default
:	1	7 (T, R, H)
	2	7 (T, R, H)
	:	:
	084	7 (T, R, H)
084	1	7 (T, R, H)
	2	7 (T, R, H)
	:	:
	084	7 (T, R, H)

Program

14

Conditions

None

Feature Cross Reference

- Central Office Calls, Answering
- Central Office Calls, Placing

Program 14 : Trunk, Basic Setup *14-08 : Music on Hold Source for Trunks*

Level: IN

Description

Use **Program 14-08 : Music on Hold Source for Trunks** to define a Music on Hold source for a trunk as COI port.

Input Data

Trunk Port Number		001 ~ 084		
ltem No.	Item	Input Data	Description	Default
01	МОН Туре	0 = Internal/External MOH 1 = BGM Source	Select whether the system will use the built in Music on Hold/External Music on Hold or a Customer provided source con- nected to the BGM port.	0

Conditions

None

Feature Cross Reference

• Music on Hold

Program 14 : Trunk, Basic Setup

14-09 : Conversation Recording Destination for Trunks

Level: <u>IN</u>

Description

Program

Use **Program 14-09 : Conversation Recording Destination for Trunks** to set the Conversation Recording destination for each trunk.

If both Programs 14-09 and 15-12 define a destination, the destination in Program 15-12 is followed.

Input Data

Trunk Port Number		001 ~ 084				
ltem No.	Item	Input Data	Description	Default		
01	Recording Destina- tion Extension Num- ber	Maximum eight digits	Enter the extension number where the trunk calls should be recorded.	No Setting		
02	Automatic Recording for Incoming Calls	0 = Off 1 = On	Determine if incoming trunk calls should be automatically recorded.	0		
04	Automatic Recording for Outgoing Call	0 = Off 1 = On		0		

Conditions

None

Feature Cross Reference

Program 14 : Trunk, Basic Setup 14-11 : ID Setup for IP Trunk

Level: IN

Description

Use **Program 14-11 : ID Setup for IP Trunk** to set the ID of each IP Trunk. This program refers to incoming and outgoing IP Trunk calls. The ID is sent on an outgoing IP Trunk call. This program is used only for H.323.

Input Data

	Trunk Port Number	001 ~ 084
--	-------------------	-----------

ltem No.	ltem	Input Data	Default
01	IP Trunk ID	0 ~ 65535 (0 = No Setting)	0

Conditions

- This Data is referred to at IP trunk outgoing call, or IP trunk incoming call.
- This ID is notified at IP trunk outgoing call.
- It is not notified when ID is 0.
- Incoming Call arrives to the trunk port of the same ID as ID notified from the partner system.

Feature Cross Reference

Program 14 : Trunk, Basic Setup 14-12 : SIP Register ID Setup for IP Trunk

Level: <u>IN</u>

Description

Program

14

Input Data

Trunk Port Number	001 ~ 084

Use Program 14-12 : SIP Register ID Setup for IP Trunk to define the SIP Register ID for IP Trunks.

ltem No.	Item	Input Data	Default
01	Register ID	0 ~ 31	0
02	Pilot Register ID	0~31	0

Conditions

None

Feature Cross Reference
Program 14 : Trunk, Basic Setup 14-18 : IP Trunk Data Setup

Level: IN

(This Program is available for V5.0 or higher)

Description

Use Program 14-18 : IP Trunk Data Setup to define the basic setting of each IP Trunk.

Input Data

Trunk Port Number	001 ~ 084

ltem No.	Item	Input Data	Default
05	SIP Profile (SIP Trunk)	1=Profile 1 2=Profile 2	1

Conditions

None

Feature Cross Reference

Program 15 : Extension, Basic Setup 15-01 : Basic Extension Data Setup

Level: SA

Description

Program

15

Use **Program 15-01 : Basic Extension Data Setup** to define the basic settings for each extension.

Input Data

Extension Number	Maximum eight digits
------------------	----------------------

ltem No.	ltem	Input Data	Description	Default	Related Program
01	Extension Name	Up to 12 Characters	Define the extension/virtual extension name.	Ext. 101 ~ 212 = No Setting (V3.5 Changed)	
02	Outgoing Trunk Line Preference	0 = Off 1 = On	Use this option to set the extension outgoing Trunk Line Preference. If enabled, the extension user re- ceives trunk dial tone when they lift the handset. The user hears trunk dial tone only if allowed by Trunk Access Map programming (Pro- grams 14-07 and 15-06). Refer to the Line Preference feature for more details.	0	14-06 21-02
03	SMDR Printout	0 = None (Station will not be reported in the SMDR print out.) 1 = Yes (Station will be reported in the SMDR print out.)	Use this option to include or exclude the extension in the SMDR report.	1	
04	ISDN Caller ID	0 = Disabled (CPN is NOT sent.) 1 = Enabled (CPN is sent.)	If both Program 15-01-04 and 10-03-05 are enabled, the system includes Caller ID in the Setup mes- sage as Presentation Allowed. If these options are disabled, it is Pre- sentation Restricted.	1	10-03-05 20-08-13
05	Restriction for Outgoing Disable on Incoming Line	0 = Supervise dial de- tection 1 = Not supervise dial detection	Enable or disable supervised dial detection for an extension.	0	21-01-15 21-01-16 21-01-17 80-03-01
07	Do-Not-Call	0 = Off 1 = On		0	21-01-19
08	Call Attendant Busy Message	0 ~ 100 (0 = No Setting)		0	11-11-59 40-10-08
09	Call Attendant Answer Message	0 ~ 100 (0 = No Setting)		0	11-11-60 40-10-09

ltem No.	ltem	Input Data	Description	Default	Related Program
10	Extension Num- ber	0 = Off (when set to Off the system will not send any outbound calling party informa- tion.) 1 = On (when set to ON the system will send calling party informa- tion.)	This program enables/disables the ability to send calling party name in- formation on a per station basis.	0	
13	Special ringtone choice (V2.0 Add- ed)	0 = Incoming extension ring tone 1 = Tone pattern 1 2 = Tone pattern 2 3 = Tone pattern 3 4 = Tone pattern 4 5 = Tone pattern 5 (V3.0 Added) 6 = Tone pattern 6 (V3.0 Added) 7 = Tone pattern 7 (V3.0 Added) 8 = Tone pattern 8 (V3.0 Added)	When an incoming call is received from the extension defined in this PRG this item defines the ringtone presented.	0	15-02-03
14	SMDR output of made intercom calls (V2.0 Add- ed)	0 = Disable 1 = Enable	When set 0 it will not record the in- ternal calls that been made.	0	15-01-49
15	SMDR output of answered inter- com calls (V2.0 Added)	0 = Disable 1 = Enable	When set 0 it will not record the in- ternal calls that been received.	0	15-01-49

Conditions

None

Feature Cross Reference

None

Program

Program 15 : Extension, Basic Setup 15-02 : Multiline Telephone Basic Data Setup

Level: IN

Description

Program

15

Use **Program 15-02 : Multiline Telephone Basic Data Setup** to set up various Multiline telephone options.

Input Data

Extension Number		Maximum eight digits			
ltem No.	Item	Input Data	Description	Default	Related Program
01	Display Lan- guage Selection	1 = English 2 = German 3 = French 4 = Italian 5 = Spanish 6 = Dutch 7 = Portuguese 8 = Norwegian 9 = Danish 10 = Swedish 11 = Turkish 12 = Latin American Spanish 13 = Romanian 14 = Polish	This program sets the Display Lan- guage for the extension port you are programming. (To select options $6 \sim 11$, dial 6 or press Help until 2 shows in the far right of screen, then press line keys $1 \sim 6$. To select options $12 \sim 16$, dial 12 or press Help until 3 shows in the far right of screen, then press line keys $1 \sim 6$.)	1	
02	Trunk Ring Tone	1 = High 2 = Medium 3 = Low 4 = Ring Tone 1 5 = Ring Tone 2 6 = Ring Tone 3 7 = Ring Tone 4 8 = Ring Tone 5	Use this option to set the tone (pitch) of the incoming trunk ring for the extension port you are program- ming.	2	22-03
03	Extension Ring Tone	1 = High 2 = Medium 3 = Low 4 = Ring Tone 1 5 = Ring Tone 2 6 = Ring Tone 3 7 = Ring Tone 4 8 = Ring Tone 5	Use this option to set the tone (pitch) of the incoming extension call ring for the extension port you are programming. Also refer to Program 15-08.	8	
04	Redial (Speed Di- al) Control	0 = Common Abbrevi- ated Dial 1 = Group Speed Dial- ing	Use this option to control the func- tion of the extension Redial key when used with Speed Dialing. The Redial key can access either the Common/Individual or Group Speed Dialing numbers.	0	

ltem No.	ltem	Input Data	Description	Default	Related Program
05	Transfer Key Op- eration Mode	0 = Transfer 1 = Serial Call (call back) 2 = Flash	Use this option to set the operating mode of the extension Transfer key. The keys can be for Call Transfer, Serial Calling or Flash. When select- ing the Flash option (selection 2), refer also to Program 81-01-14.	0	
06	Hold Key Operat- ing Mode	0 = Normal (Common) 1 = Exclusive Hold	Use this option to set the function of the Multiline Hold key. The Hold key can activate normal Hold or Exclu- sive Hold.	0	
07	Automatic Hold for CO Lines	0 = Hold 1 = Disconnect (Cut)	When talking on a CO call and an- other CO line key is pressed, the original trunk is placed on Hold (0) or Disconnected (1).	1	
08	Automatic Handsfree	0 = Preselect 1 = One-Touch (Auto- matic Handsfree)	Use this option to set whether pressing a key access a One-Touch Key or if it preselects the key.	1	
09	Auto answer to incoming call from Extension	0 = Off 1 = On		1	
10	Ringing Line Preference for Trunk Calls	0 = Idle (Off) 1 = Ringing (On)	Use this option to select between Idle and Ringing Line Preference for trunk calls.	1	
11	Callback Auto- matic Answer	0 = Off 1 = On	Use this option to enable or disable automatic answer of calls recalling to a station. For example, if a Trans- fer Recall or Hold Recall is ringing back to a station, the following hap- pens: If Program 15-02-11 is enabled, the station will automatically answer the recall when it goes off-hook. If Pro- gram 15-02-11 is disabled, a station does not automatically answer the recall when it goes off-hook. The user must first press the line ap- pearance of the recalling call or press the answer key.	1	
12	Off-Hook Ringing	0 = Muted Off-Hook Ringing 1 = No Off-Hook Ring- ing 3 = Beep in Speaker (SP) 4 = Beep in Handset (HS) 5 = Speaker and Hand- set Beep	Use this option to set the telephone Off-hook signaling. Off-hook signal- ing occurs when a telephone user receives a second call while busy on a handset call. To enable/disable Off-hook signaling for an extension Class of Service, use Program 20-13-06.	5	
13	Redial List Mode	0 = ICM/Trunk (Exten- sion/Trunk Mode) 1 = Trunk Mode	Select whether the Redial List fea- ture should store internal and exter- nal numbers (0), or only external numbers (1).	0	
15	Storage of Call- er-ID for an- swered call	0 = Disable (Off) 1 = Enable (On)		1	
16	Handsfree Oper- ation	0 = Disable (Off) 1 = Enable (On)	Enable or disable an extension abili- ty to use the speakerphone on out- side calls. When disabled, users can hear the conversation, but cannot respond handsfree.	1	
18	Power-Saving Mode	0 = Normal mode 1 = Power-Saving Mode (Eco-Mode)		1	

	ltem No.	ltem	Input Data	Description	Default	Related Program
	21	Virtual Extension Access Mode (when idle Virtual Extension key pressed)	0 = DSS 1 = Outgoing (OTG) 2 = Ignore	Determine whether a Virtual Exten- sion (VE) should function as a DSS key or a Virtual Extension. When DSS (0) is selected, the key func- tions as a DSS key to the extension and for incoming calls to that exten- sion. When Outgoing (1) is selected, the key functions as a virtual exten- sion and can be used for incoming and outgoing calls. When Ignore (2) is selected, the key functions can re- ceive incoming calls only.	2	
Program	22	Multiple Incom- ing From Inter- com and Trunk	0 = Disable 1 = Enable	If enabled, this affects how a Hotline key lights, based on the setting in Program 22-01-01. If 22-01-01 is set to 1 for trunk priority, the Hotline key lights solid when a trunk call rings in. If 22-01-01 is set to 0 for inter- com priority, the Hotline key does not light for incoming trunk calls, but lights solid for intercom calls. If 15-02-22 is disabled, Hotline keys light solid for any incoming calls re- gardless of the setting in Program 22-01-01.	1	22-01-01
	23	Speed Dial Pre- view Mode	0 = Preview 1 = Outgoing Immedi- ately	This option defines how a speed dial key functions when pressed. If set to Preview (0), the speed dial number can be previewed before dialing. If set to Outgoing Immediate (1), the number is dialed immediately.	0	
	27	Handset Volume	0 = Back to Default (Back) 1 = Stay at previous level (Stay)	 Determine how an extension handset volume is set after it is adjusted during a call. When 1 is assigned in this program and a user sets the volume to maximum, the volume is reset to a level to meet FCC standards when the user hangs up. 	1	
	28	Message Waiting Lamp Color	0 = Green 1 = Red	Determine whether an extension Message Waiting Lamp lights Green (0) or Red (1) when a message is received.	1	
	29	PB Back Tone Level	1 ~ 63 (- 15.5 dB ~ + 15.5 dB)	This program allows adjustment of the PB Back Tone Level when you are calling an ISDN Line.	32 (0 dB)	
	30	Toll Restriction Class	0 = Virtual Extension (Follows virtual exten- sion Toll Class in PRG 21-04.) 1 = Real Extension (Follows physical sta- tions Toll Class in PRG 21-04.)	Select the Toll Restriction Class to use when placing a call from a virtu- al extension.	1	15-02-21
	34	Call Register Mode	0 = Trunk Mode 1 = Extension/Trunk Mode	The Caller ID Scroll stores Trunk calls only (0), or both Internal and Trunk calls (1).	1	
	35	Message Waiting Lamp Cycle for Calling Exten- sion	1 = Cycle 1 2 = Cycle 2 3 = Cycle 3 4 = Cycle 4 5 = Cycle 5 6 = Cycle 6 7 = Cycle 7	Select the cycle method that the Large LED flashes when the exten- sion has set Message Waiting.	3	

ltem No.	ltem	Input Data	Description	Default	Related Program
36	Message Waiting Lamp Cycle for Called Extension	1 = Cycle 1 2 = Cycle 2 3 = Cycle 3 4 = Cycle 4 5 = Cycle 5 6 = Cycle 6 7 = Cycle 7	Select the cycle method that the Large LED flashes when the exten- sion has Message Waiting set to the extension.	2	
37	Voice Mail Mes- sage Wait Lamp Color	0 = Green 1 = Red	Select the color of the Large LED when a voice mail message is wait- ing at the extension.	1	
38	Voice Mail Mes- sage Wait Lamp Cycle	1 = Cycle 1 2 = Cycle 2 3 = Cycle 3 4 = Cycle 4 5 = Cycle 5 6 = Cycle 6 7 = Cycle 7	Select the cycle method that the Large LED flashes when the exten- sion has a VM Message Waiting set to the extension.	2	
40	Additional Dial for Caller ID Call Return	Up to four digits (0, 1 ~ 9, #, *)	Enter the digits to be dialed in front of the Caller ID when using the Call- er ID Return function.	No Setting	
41	Incoming Ring Setup	0=Speaker Normal Ring 1=Headset Ring		0	11-11-37 11-11-62 15-02-12 15-02-42 20-13-06
42	Incoming Off- Hook Ring Setup	0=Speaker Off-Hook Ring 1=Headset Off-Hook Ring		0	11-11-37 11-11-62 15-02-12 15-02-41
43	Headset Ring Duration	0=No Switch to Speak- er Ring 1=10 sec 2=20 sec 3=30 sec 4=40 sec 5=50 sec 6=1 minute		0	11-11-62 15-02-41 15-02-42
46	Backlight LCD duration	0 = Continuous on 1 = 5 seconds 2 = 10 seconds 3 = 15 seconds 4 = 30 seconds 5 = 60 seconds	Set how long the Backlight LCD stays on.	2	
48	Short Ring Setup	0 = Disable 1 = Enable		0	80-09-01 80-09-02 80-09-03
50	Mute Lamp Sta- tus Change	0 = normal 1 = Lamp Status Change		0	
52	Voice Mail Mes- sage Waiting Lamp Setup	0 = Light the VM F-Key only 1 = Light the MW lamp only 2 = Light both MW Lamp and VM Key	This program is not followed if one of the F-keys is assigned as a VM key of some other mailbox.	0	15-07-01
54	Menu Operation Mode	0 = Automatic Close 1 = Manual Close		0	
55	VRS Message Number	0 ~ 100		0	
57	Caller Log on busy	0 = Off 1 = On		1	15-02-34

ltem No.	ltem	Input Data	Description	Default	Related Program
58	Display mode of trunk incoming (V1.5 Deleted)	0 = Caller ID 1 = Memo Information		0	13-04-08 13-04-09 13-04-10
60	Soft Key/Naviga- tion key Mode	0 = Standard Mode 1 = Advanced Mode1 2 = Advanced Mode2		2	
61	Backlight Max Brightness	0~8		6	
62	Backlight Min Brightness	0~8		0	
63	Auto Backlight	0 = Off 1 = On		0	15-02-64
64	Auto Backlight bound threshold (auto setting)	0 ~ 13		13	15-02-63
65	Auto Backlight bound threshold (manual setting)	0 ~ 13		0	
66	Dial Button Backlight	0 = Off 1 = On		1	
67	Caller ID shared groups	0 = Personal 1 ~ 8 = Shared Group		0	20-49-01
68	Mode setting for incoming call from extension	Read Only: 0 = Voice 1 = Signal	This program can only be change by using PC Program- ming.	1	
69	Mute Operation on Handsfree (3.0 Added)	0 = Do not change Mute status 1 = Start with enabled Mute 2 = Start with muted Mute		0	
70	Mute Key Opera- tion (V2.0 Added)	0 = Enabled (Active) 1 = Disabled	This program determines whether the Mute key is operational during a call.	0	
71	Disable Softkey (V3.0 Added)	0 = Off 1 = On	When set to 1 (On), disable Softkey and cursor key operation at the ter- minal.	0	

Lamp Cycle On/Off Timing Pattern (Program 15-02-35, 36, 38)

Programs 15-02-35, 36, and 38			
Input		Cycle	
1	Cycle 1	500 ms - ON / 500 ms - OFF	
2	Cycle 2	250 ms - ON / 250 ms - OFF	
3	Cycle 3	125 ms - ON / 125 ms - OFF	
4	Cycle 4	125 ms - ON / 125 ms - OFF / 125 ms - ON / 625 ms - OFF	
5	Cycle 5	875 ms - ON / 125 ms - OFF	
6	Cycle 6	625 ms - ON / 125 ms - OFF / 125 ms - ON / 125 ms - OFF	
7	Cycle 7	1000 ms - ON	

Program

	15 00		Cimmol		Detterne
Program	10-02 -	incoming	Signal	Frequency	v Pallems
					/

Incoming Signal Fre- quency Pattern	Туре	Frequency 1	Frequency 2	Modulation
External Incoming Signal Frequency (Pattern 1)	High Middle Low	1100 Hz 660 Hz 520 Hz	1400 Hz 760 Hz 660 Hz	16 Hz 16 Hz 16 Hz
External Incoming Signal Frequency (Pattern 2)	High Middle Low	1100 Hz 660 Hz 520 Hz	1400 Hz 760 Hz 660 Hz	8 Hz 8 Hz 8 Hz
External Incoming Signal Frequency (Pattern 3)	High Middle Low	2000 Hz 1400 Hz 1100 Hz	760 Hz 660 Hz 540 Hz	16 Hz 16 Hz 16 Hz
External Incoming Signal Frequency (Pattern 4)	High Middle Low	2000 Hz 1400 Hz 1100 Hz	760 Hz 660 Hz 540 Hz	8 Hz 8 Hz 8 Hz
Internal Incoming Signal Fre- quency	High Middle Low	1100 Hz 660 Hz 520 Hz	1400 Hz 760 Hz 660 Hz	8 Hz 8 Hz 8 Hz

Conditions

None

Feature Cross Reference

None

Program

Program 15 : Extension, Basic Setup 15-03 : Single Line Telephone Basic Data Setup

Level: IN

Description

Program

15

Use **Program 15-03 : Single Line Telephone Basic Data Setup** to set up various single line telephone options.

Input Data

Extension Number		lumber	Maximum eight digits			
ltem No.	Item	Input Data	Description	Default	Related Program	
01	SLT Signaling Type	0 = DP 1 = DTMF	Use this option to tell the system the type of dialing the connected tele- phone uses. For Analog Wireless telephones to function correctly, this must be set to 0 (dial pulse). If this option is set for DTMF, after an outside call is placed, the system cannot dial any additional digits. This program change is automatical- ly performed when the Analog Wire- less telephone is registered. When upgrading software from prior ver- sions, the previous default of 1 is saved from the prior database so this option must be changed man- ually.	1	15-03-03 45-01-01	
03	Terminal Type	0 = Normal 1 = Special	Enter 1 for this option to allow a sin- gle line port to receive DTMF tones after the initial call setup. Enter 0 to have the port ignore DTMF tones af- ter the initial call setup. For Voice Mail, always enter 1 (e.g., receive DTMF tones).	0	15-03-01 45-01-01	
04	Flashing	0 = No 1 = Yes	Enables/disables Flash for single line telephones.	1		
05	Trunk Polarity Reverse	0 = Off 1 = On	Do Not Change Default Entry as DTMF issues may arise with voice mail.	0		
06	Extension Polari- ty Reverse	0 = Disable (Off) 1 = Enable (On)	Do Not Change Default Entry as DTMF issues may arise with voice mail.	0		
07	Enabled On- Hook When Holding (SLT)	0 = No 1 = Yes		1	11-12-45	
08	Answer On-Hook when Holding (SLT)	0 = Disable (No) 1 = Yes (Enable)		1	11-12-46	

ltem No.	ltem	Input Data	Description	Default	Related Program
09	Caller ID Func- tion - For Exter- nal Module	0 = Disable (Caller ID not displayed.) 1 = Enable (Caller ID is displayed.)	Enable (1) or disable (0) the Caller ID FSK signal for an external Caller ID module or a 3rd party vendor tel- ephone with Caller ID display. <i>Important:</i> If voice mail is used, this setting must be disabled for the system in- tegration codes to be correct. <i>With a Single Line Telephone,</i> <i>this must be set to 0 for incoming</i> <i>callers to have a talk path.</i>	0	
10	Caller ID Name	0 = Disable 1 = Enable	Determine if an extension user tele- phone should display the Caller ID name.	1	15-03-09
11	Caller ID Type	0 = FSK 1 = DTMF	Determine whether the Caller ID type is FSK or DTMF.	0	
12	Fixed Cadence	0 = Normal 1 = Fixed		1	
13	MW sending type	0 = Lamp 1 = Caller ID		0	
14	Forwarded Caller ID Display Mode	0 = Calling Extension Number (Calling) 1 = External Caller ID (Forward)	Determine what the display shows when a multiline terminal receives a forwarded outside call.	0	
15	Disconnect with- out dial after hooking hold	0 = Normal 1 = Disconnect	Determine whether or not to discon- nect a held call when on-hook with- out any dialing after hooking-hold.	0	
16	Special DTMF Protocol Send	0 = No 1 = Yes	Determine whether or not to send the extension number of the phone forwarded to the extension when Program 15-03-04 is set to Special (1) and not in the VM group.	0	45-01-16
17	Dial Tone Select	0 = Normal 1 = New DT	When the function of MW has been set from another extension or VM, the dial tone upon off hook is selec- ted.	0	
18	Select Special Terminal Type (V2.0 Added)	0 = Fax 1 = Modem	This PRG is used for selecting Spe- cial Terminal Type (Fax or Modem). This setting influences how to trans- mit data via SIP trunk. This PRG is effective at the time of when PRG15-03-03 1: Special.	0	15-03-03
19	Door Phone Number (V4.0 Added) Do not set the same door phone number be- tween PRG10-03-0 5 (SLIU) and PRG15-05-4 6.	1~6	Set the SLT door phone number. When unlocking the door PRG10-61 will be in effect.	0	10-03-05 (SLIU) 10-61 15-05-46



Conditions

None

Feature Cross Reference

• Single Line Telephones

Program 15 : Extension, Basic Setup *15-05 : IP Telephone Terminal Basic Data Setup*

Level: IN

Description

Use **Program 15-05 : IP Telephone Terminal Basic Data Setup** to set up the basic settings for an IP telephone.

Input Data

	Extension N	lumber	Maximum eig	ht digits	
ltem No.	Item	Input Data	Description	Default	Related Program
01	Terminal Type	Read Only: 0 = NGT 1 = H.323 2 = SIP 3 = MEGACO 4 = SIP-MLT		-	
02	IP Phone Fixed Port Assignment	MAC address 00-00-00-00-00 ~ FF-FF-FF-FF-FF	MAC Address of registered SIP MLT phone is stored and/or can input the MAC address of an SIP MLT phone so when it comes online it is provi- ded with the extension in which the MAC address matches.	00-00-00- 00-00-00	15-05-01
04	Nickname	Up to 48 characters	Nickname section on Invite mes- sage. Example : Extension 100 has a Nickname set to PAUL. Extension 101 has command 15-05-17 set to Nickname. The inbound call to extension 101, from 100, shows PAUL. Nickname must be unique in the system.	No Setting	15-05-17
07	Using IP Address	Read Only: 0.0.0.0 ~ 255.255.255.255		-	15-05-01
09	Call procedure port	Read Only: 0 ~ 65535		-	15-05-01
15	CODEC Type	1 = Type 1 2 = Type 2 3 = Type 3 4 = Type 4 5 = Type 5	Assign the CODEC Type of the SIP MLT.	1	84-24 84-11 15-05-01
16	Authentication Password	Up to 24 characters	Assign the authentication password for SIP single line telephones.	No Setting	15-05-01

ltem No.	ltem	Input Data	Description	Default	Related Program
18	IP Duplication Al- lowed Group	0 = Not Used 1 = Group 1 2 = Group 2 3 = Group 3 4 = Group 4 5 = Group 5 6 = Group 6 7 = Group 7 8 = Group 8 9 = Group 9 10 = Group 10	If there is an adapter that has one IP address coming into it but has multi- ple extensions off of it. Assign all the extensions to a group so that way the CPU knows that the one IP address is assigned to multi- ple extensions.	0	15-05-01
20	Bottom Option Information	Read Only: 0 = No Option 1 = ADA 2 = BHA 3 = WHA	Shows the type of adapter installed.	0	10-03-10
26	DR700 Terminal Type	0 = Not Set 2 = ITL-()D-1D/ ITL-24BT-1D/ ITL-24PA-1D (without 8LKI (LCD)-L) 5 = Softphone 6 = CTI 9 = IP4WW-24TIXH		0	
27	Personal ID In- dex	0 ~ 128 (V3.5 Changed)	When the SIP Multiline telephone is using manual/auto registration, as- sign each phone a unique personal index. Then go to command 84-22 to assign the user name and pass- word.	0	84-22
28	Addition Infor- mation Setup	0 = Do not inform 1 = Inform	Select whether to inform of addition- al information or not.	0	15-01-01 15-02-13 15-02-15 15-02-34
29	Terminal WAN- side IP Address	Read Only: 0.0.0.0 ~ 255.255.255.255		0.0.0.0	
30	DTMF Play dur- ing Conversation at Receive Exten- sion	0 = Do Not Play 1 = Play		0	
31	Alarm Tone dur- ing Conversation (RTP packet loss alarm)	0 = Off 1 = On		1	
33	LAN Side IP Ad- dress of Terminal	Read Only: 0.0.0.0 ~ 255.255.255.255		0.0.0.0.	
35	Encryption Mode On/Off	Read Only: 0 = Off 1 = On		0	
36	DR700 Firmware Version	Read Only: 00.00.00.00 ~ ff.ff.ff.ff	Indicate a current firmware Version.	00.00.00.00	
38	Paging Protocol Mode	0 = Multicast 1 = Unicast 2 = Auto	Sets the protocol mode for the Pag- ing function.	0	
39	CTI Override Mode	0 = Disable 1 = Enable		0	

ltem No.	ltem	Input Data	Description	Default	Related Program
40	Calling name dis- play info via trunk for stand- ard SIP	0 = Both name and number 1 = Name only 2 = Number only 3 = None		0	
41	Time Zone(hour)	0 ~ 24 (- 12 ~ + 12 hour)		12	
43	Video Mode	0 = Disable 1 = Enable		0	
44	Using STD-SIP Display for CPN	0 = Disable 1 = Enable		0	
45	NAT plug & play	0 = OFF 1 = ON	Effect this program only when PRG 10-46-14 (for DR700) or PRG 10-33-05 (for Standard SIP Termi- nal) are set to NAT mode. (V4.0 or higher) If you are setting the SIP Terminal using remote router by turning this setting ON you don't need to set the Port Forward on remote router side. (V4.0 Added) Select sending RTP port number to remote Router, use from negotiation result (0) or received RTP packet (1)	1	10-46-14
47	Registration Ex- pire Timer for NAT (V4.0 Changed)	0 = Disable 60 ~ 65535 (sec)	On a per station basis, this setting defines the SIP registration expiry timer. This setting applies to DR700 stations or Standard SIP Terminal connected via NAPT. If this value is set to 0, for a NAPT terminal, the value in PRG 84-23-01 (for DR700) or PRG 10-33-01 (for Standard SIP Terminal) are applied.	180	84-23-01
48	Subscriber Ex- pire Timer for NAPT (V4.0 Changed)	0 = Disable 60 ~ 65535 (sec)	On a per station basis, this setting defines the SIP subscribe expiry timer. This setting only applies to DR700 stations or Standard SIP Terminal connected via NAPT. If this value is set to 0, for a NAPT termi- nal, the value in PRG 84-23-02 (for DR700) or PRG 10-33-01 (for Standard SIP Terminal) are applied.	180	84-23-02
49	Receiving SIP IN- FO (V4.0 Added)	0 = Disable 1 = Allowed any time 2 = Allowed while RTP is not available	Enables to receive a SIP INFO mes- sage from a standard SIP phone as a dial information.	2	

Conditions

None

Feature Cross Reference

None

Program 15 : Extension, Basic Setup 15-06 : Trunk Access Map for Extensions

Level: <u>IN</u>

Description

Program

15

Use **Program 15-06 : Trunk Access Map for Extensions** to define the trunk access map for each extension. An extension can place only outgoing calls on trunks to which it has outgoing access. Use Program 14-07 to define the available access maps.

Input Data

Extension Number	Maximum eight digits
Day/Night Mode	1~8

ltem No.	Item	Input Data	Default	Related Program
01	Trunk Access Map Number	001 ~ 084	1	14-07

Conditions

None

Feature Cross Reference

- Central Office Calls, Answering
- Central Office Calls, Placing

Program 15 : Extension, Basic Setup 15-07 : Programmable Function Keys



Description

Use **Program 15-07 : Programmable Function Keys** to assign functions to a multiline terminal line keys.

For certain functions, you can append data to the key basic function. For example, the function 26 appended by data 1 makes a Group Call Pickup key for Pickup Group 1. You can also program Function Keys using Service Codes.

To clear any previously programmed key, press **000** to erase any displayed code.

Input Data

Extension Number	Maximum eight digits
------------------	----------------------

Default Settings

Line Key	Function Number	Additional Data
LK01	*01 (Trunk Line Key)	1
:	:	:
LK12	*01 (Trunk Line Key)	12
LK13	0 (No setting)	0
:	:	:
LK24	0 (No setting)	0

Item No.	ltem	Input Data	Additional Data
01	Line Key Number	1~24	Refer to Table 2-2 Function Number List on page 2-142.
	Function Number	0 ~ 99, #0 ~ #99 (Normal Function Code) (Service Code 751 by default) *00 ~ *99 (Appearance Function Code) (Service Code 752 by default)	Refer to Table 2-2 Function Number List on page 2-142.

Default

Programmable keys $1 \sim 8$ are Trunk Line keys (key 1 = Trunk Line 1, key 2 = Trunk Line 2, etc.). All other programmable keys are undefined.

Function Number List

Program

Table 2-2 Function Number List

[1] Normal Function Code (00 ~ 99, #00 ~ #99) (Service Code 751)

Function Number	Function	Additional Data	LED Indication	Note
01	DSS/One-Touch	Extension number or any numbers (up to 36 digits)	On (Red) : DSS Ext. Busy Off : DSS Ext. Idle, DND External, DND Transfer, CFW Busy, CFW Noans, CFW Busy/Noans, CFW Both, CFW FL ME Fast Blink (Red) : DND Intercom, DND All, CFW Imm	
02	Microphone (Mute) Key (ON/ OFF)		On (Red) : Mic On Off : Mic Off	
03	DND Key		On (Red) : DND Setup	
04	BGM (ON/OFF)		On (Red) : Active	
05	Headset		On (Red) : Headset Operating	
06	Transfer Key		None	
07	Conference Key		On (Red) : Conference Operating	
08	Incoming Call Log		Fast Blink (Red) : Existing New CID On (Red) : Existing Checked CID Off : No CID	
09	Day/Night Mode Switch	Mode number (1 ~ 8) (0 = toggle)	On : While each mode	
10	Call Forward - Immediate		On (Red) : Setup	
11	Call Forward - Busy		On (Red) : Setup	
12	Call Forward -No Answer		On (Red) : Setup	
13	Call Forward - Busy/No Answer		On (Red) : Setup	
14	Call Forward - Both Ring		On (Red) : Setup	
15	Call Forward - Follow Me		Fast Blink (Red) : Setup Slow Blink : To be setup	
18	Text Message Setup	Selectable Display Message Numbers (01 ~ 20)	On (Red) : Setup	
19	External Group Paging	External Paging Number (1 ~ 6)	On (Red) : Active	
20	External All Call Paging		On (Red) : Active	
21	Internal Group Paging	Internal Paging Number (01 ~ 32)	On (Red) : Active	
22	Internal All Call Paging		None	
23	Privacy Release		None	
24	Call Pickup for own group		None	
25	Call Pickup for Another Group		None	
26	Call Pickup for Specified Group	Call Pickup Group Number (01 ~ 32)	None	

Program

Function Number	Function	Additional Data	LED Indication	Note
27	Speed Dial - Common/Private	Speed Dial Number (Common / Private)	None	
28	Speed Dial - Group	Speed Dial Number (Group)	None	
29	Repeat Redial		On (Red) : Repeat Dialing	
30	Saved Number Redial		None	
31	Memo Dial		None	
32	Meet - Me Con- ference		None	
33	Override (Off- Hook Signaling)		None	
34	Break - In		None	
35	Camp On		On (Red) : Active	
36	Step Call		None	
37	DND/FWD Over- ride Call		None	
38	Message Waiting		None	
39	Room Monitoring		Slow Blink (Red) : Monitoring Fast Blink (Red) : To be monitored	
41	Buzzer	Extension Number	On (Red) : Calling party Fast Blink (Red) : Called party	
42	Boss - Secretary Call	Extension Number	On (Red) : Active	
43	Series Call		None	
44	Common Hold		None	
45	Exclusive Hold		None	
46	Department Group Log Out		On (Red) : Withdrawing	
47	Reverse Voice Over	Extension Number	Same as DSS	
	Softphone doesn't sup- port Re- verse Voice Over. (V1.5 Added)			
48	Voice Over		On (Red) : Responding Slow Blink (Red) : Listening	
49	Call Redirect	Extension Number or Voice Mail Num- ber	None	
50	Account Code		None	
52	Automatic An- swer with Delay Message Setup	Incoming Ring Group (01 ~ 25)	On (Red) : Setup	
53	Automatic An- swer with Delay Message Start		On (Red) : Delay Message Answering	
54	External Call For- ward by Door Box		On (Red) : Setup	

Function Number	Function	Additional Data	LED Indication	Note
55	Extension Name Change		None	
56	General Purpose LED Operation	001 ~ 100 : (Red) On ⇔ Off	001 ~ 100 : (Red) On⇔ Off	
57	General Purpose LED Indication	001 ~ 100 : (Red) On⇔ Off	001 ~ 100 : (Red) On⇔ Off	
58	Automatic Trans- fer at Department Group Call	Extension Group Number (01 ~ 32)	Slow Blink (Red) : Set Off : Cancel	
59	Delayed Transfer at Department Group Call	Extension Group Number (01 ~ 32)	Slow Blink (Red) : Set Off : Cancel	
60	DND at Depart- ment Group Call	Extension Group Number (01 ~ 32)	Slow Blink (Red) : Set Off : Cancel	
62	Flash Key		None	
63	Outgoing Call Without Caller ID (ISDN)		On (Red) : Mode enabled	
66	CTI (V3.0 De- leted)		On (Red) : CTI active	
72	Keypad Facility Key			
73	Keypad Hold Key			
74	Keypad RE- TRIEVE Key			
75	Keypad Confer- ence Key			
76	Application Key	Any dial data (8 dig- it)	None	
77	Voice Mail (In- Skin)	Extension Number or Pilot Number	<inmail> Fast Blink (Green) : New Message (s) in own Mail- box. Slow Blink (Red) : New Message (s) in other Mail- box. <external vm=""> On (Red) : Access to Voice Mail Fast Blink (Green) : New Message (s) in own Mail- box. Slow Blink (Red) : New Message (s) in other Mail- box.</external></inmail>	
78	Conversation Re- cording - Voice Mail		Fast Blink : Recording	
79	Automated At- tendant (In-Skin)	Extension Number or Pilot Number	On (Red) : Setup - All calls Fast Blink (Red) : Setup - No answer calls (125msec on/125msec off/125msec on/625msec off) (Red) : Setup - busy calls Slow Blink (Red) : Setup - busy/noans calls	
80	Tandem Ringing	1 = Set 0 = Cancel Exten- sion Number to Tan- dem Ring	On (Red) : Master Side Slow Blink : Slave Side	
81	Automatic Trans- fer to Transfer Key	Trunk Line No. (001-084)	Off : Cancel Slow Blink (Red) : Set	

15

Function Number	Function	Additional Data	LED Indication	Note
83	Conversation Re- cording Function (VMSU)	0 = Pause 1 = Re-recording 2 = Address 3 = Erase 4 = Urgent Page		
84	Drop Key	None		
86	Private Call Re- fuse	None	Off : Cancel Slow Blink (Red) : Set	
87	Caller ID Refuse	None	Off : Cancel Slow Blink (Red) : Set	
88	Dial-In Mode Switching	Program 22-17 Ta- ble No. (1 ~ 500)	Off : Pattern 1, Pattern 5 ~ 8 On (Red) : Pattern 2 Slow Blink (Red) : Pattern 3 (125msec on/125msec off/125msec on/625msec off) (Red) : Pattern 4	
91	Live Recording Key		Slow Blink (Green) : Set	
94	Call Attendant		Fast Blink (Red) : Setup - No answer calls (125 ms : On / 125 ms : Off / 125 ms : On / 625 ms : Off) (Red) : Setup - Busy calls On (Red) : Setup - Busy/No answer calls	
97	Door Box Access Key	Door Box Number (1-6)	On (Red) : Doorphone Busy Off : Doorphone Idle Fast Blink (Red) : Doorphone Incoming	
#02	Cutting the tel- ephone power	Package Number (2-9, 13-15) (V3.5 Changed)	On (Red) : Set Off : Cancel	
#03	Remote Moni- tor Permit		Slow Blink (Red) : Remote Monitor Permit Off : Remote Monitor Deny	
#07	Fix Operation Mode (V3.0 Add- ed)	Night Mode Service Group No. (1-4)		
#10	Conference Re- cord (V6.0 Add- ed)		On (Red): Recording Off : Cancel	

Table 2-3 Function Number List

[2] Appearance Function Level (*00 ~ *99) (Service Code 752)

Func- tion Number	Function	Additional Da- ta	LED Indication	Note
*00	ICM Key	None		
*01	Trunk Key	Trunk Number (001 ~ 084)	Fast Blink (Green) : Incoming(own)/Recall(own) Fast Blink (Red) : Incoming(other) On (Green) : Speaking(own) On (Red) : Speaking(other) Slow Blink (Green) : Holding(own)/Transferring(own) Slow Blink (Red) : Holding(other)/Transferring(other)/ Recall(other)	
*02	Trunk Group	Trunk Group Number (001 ~ 025)	Fast Blink (Red) : Incoming (own/other)	

Func- tion Number	Function	Additional Da- ta	LED Indication	Note
*03	Virtual Extension Key	Extension Num- ber or Depart- ment Group Num- ber	Fast Blink (Red) : Incoming(own/other)/Recall(own) On (Green) : Speaking(own) On (Red) : Speaking(other) Slow Blink (Green) : Holding(own)/Transferring(own) Slow Blink (Red) : Holding(other)/Transferring(other)/ Recall(other)	
*04	Park Key	Park Number (01 ~ 64)	Slow Blink (Green) : Holding(own) Fast Blink (Green) : Recall(own) Slow Blink (Red) : Holding(other)	
*05	Loop Keys Use Programs 15-13-01 and/or 15-13-02 to as- sign the loop key to a trunk group.	0 = Incoming 1 = Outgoing 2 = Both	None	
*06	Trunk Access via Networking	Network System No. 1 ~ 4	None	(V1.5 Added)
*07	Station Park Hold	None	Slow Blink (Green) : Holding(own) Fast Blink (Green) : Recall(own)	
*10	ACD Log in / Log out		On : Logged in Off : Logged out	(V1.5 Added)
*13	ACD off-duty mode (Rest Mode)		On : While Setup Slow Blink : Rest Mode Setup	(V1.5 Added)
*17	ACD Work wrap up time		On : While wrap up time Slow Blink : While setup wrap up time	(V1.5 Added)
*19	ACD Queue Sta- tus Display		None	(V1.5 Added)
*32	Warning Mes- sage		On (Red) : Play warning message Off : Stop warning message	
*33	Sensor Mode		On (Red) : Security Sensor On Off : Security Sensor Off (125msec:on / 125msec:off / 125msec:on / 625msec:off) : Security Sensor Delay Timer (PRG20-50-01) is starting. (V1.5 Added)	

LED Pattern 0:[OFF]	
On	
Off	
LED Pattern 1:[FL: On(500ms)/Off(500ms)]	
On Off	
LED Pattern 2:[WK: On(250ms)/Off(250ms)]	
On O	
LED Pattern 3:[RW: On(125ms)/Off(125ms)]	
	ogram
LED Pattern 4:[IR: On(125ms)/Off(125ms)/ On(125ms)/Off(625ms)]	
	5
LED Pattern 5:[IL On(875ms)/Off(125ms)]	
On	
LED Pattern 6:[IW On(625ms)/Off(125ms)/On(125ms)/Off(125ms)]	
On On Off	
LED Pattern 7:[ON]	
On	
Off	
ED Indication Reference : N = LED pattern 7.	
EE = LED pattern ()	

OFF = LED pattern 0. Rapid Blink = LED pattern 3. Slow Blink (General Function Level) = LED pattern 5. Slow Blink (Appearance Function Level) = LED pattern 1. Fast Blink = LED pattern 3. Stutter Blink = LED pattern 4.

Conditions

• When a key is programmed using service code 752, it cannot be programmed with a function using the 751 code until the key is undefined (000). For example with a Park Key programmed by dialing 752 + *04 must be undefined by dialing 752 + 000 before it can be programmed as a Voice Over key by dialing 751 + 48.

Feature Cross Reference

Program 15 : Extension, Basic Setup

15-08 : Incoming Virtual Extension Ring Tone Setup

Level: <u>IN</u>

Description

Program

15

Use **Program 15-08 : Incoming Virtual Extension Ring Tone Setup** to assign a ring tone range (0 \sim 4) to incoming virtual extensions assigned to a Virtual Extension key (Program 15-07). If you enable ringing for the key in Program 15-09, the key rings with the tone you set in this program. Also see Program 22-03. The chart below shows the available tones. There are 084 available extension ports.

Input Data

	Extension Nu	mber	Maximum eight digits	
ltem No.	Item	Input Data	Description	Default
01	Incoming Ring Pat- tern	0 = Tone Pattern 1 1 = Tone Pattern 2 2 = Tone Pattern 3 3 = Tone Pattern 4 4 = Incoming Ring Tone Extension 5 = Tone pattern 5 (V3.0 Added) 6 = Tone pattern 6 (V3.0 Added) 7 = Tone pattern 7 (V3.0 Added) 8 = Tone pattern 8 (V3.0 Added)	When an extension or a virtual extension is assigned to the function key on the key telephone, select the ring tone when re- ceiving a call on that key.	0

Table 2-4 Program 15-08 - Incoming Signal Frequency Patterns

Incoming Signal Frequency Pattern	Туре	Frequency 1	Frequency 2	Modulation
Pattern 1	High	1100 Hz	1400 Hz	16 Hz
	Middle	660 Hz	760 Hz	16 Hz
	Low	520 Hz	660 Hz	16 Hz
Pattern 2	High	1100 Hz	1400 Hz	8 Hz
	Middle	660 Hz	760 Hz	8 Hz
	Low	520 Hz	660 Hz	8 Hz
Pattern 3	High	2000 Hz	760 Hz	16 Hz
	Middle	1400 Hz	660 Hz	16 Hz
	Low	1100 Hz	540 Hz	16 Hz
Pattern 4	High	2000 Hz	760 Hz	8 Hz
	Middle	1400 Hz	660 Hz	8 Hz
	Low	1100 Hz	540 Hz	8 Hz
Internal Incoming Sig- nal Frequency	High Middle Low	1100 Hz 660 Hz 520 Hz	1400 Hz 760 Hz 660 Hz	8 Hz 8 Hz 8 Hz

Conditions

None

Feature Cross Reference

None

Program

Program 15 : Extension, Basic Setup 15-09 : Virtual Extension Ring Assignment

Maximum eight digits

01~24

1~8

Level: SA

Description

Program

5

Use **Program 15-09 : Virtual Extension Ring Assignment** to assign the ringing options for an extension Virtual Extension Key or Virtual Extension Group Answer Key which is defined in Program 15-07. You make an assignment for each Night Service Mode.

Assign extension numbers and names to virtual extension ports in Program 15-01. Program Virtual Extension keys in Program 15-07 (code *03). There are 50 Virtual Extension Ports.

Input Data

Extension Number

Key Number

Day/Night Mode

ltem No.	Item	Input Data	Default
01	Ringing	0 = No Ringing 1 = Ring	0

Conditions

• Program the Multiple Directory Number function keys **NOT** to ring before removing the key from telephone programming.

Feature Cross Reference

Program 15 : Extension, Basic Setup

15-10 : Incoming Virtual Extension Ring Tone Order Setup

Level: SA

Description

Use **Program 15-10 : Incoming Virtual Extension Ring Tone Order Setup** to set the priority (1 ~ 4) for the Virtual Extension Ring Tones set in Program 15-08. When Virtual Extension calls ring an extension simultaneously, the tone with the highest order number (e.g., 1) rings. The other keys only flash. There are 50 Virtual Extension ports.

Program

Input Data

Extension Number	Maximum eight digits
------------------	----------------------

Item No.	ltem	Input Data	Description	Related Program
01	Priority Or- der	1 ~ 4 When two or more virtual extensions are set on a		15-08
	Data	0 = Tone Pattern 1 1 = Tone Pattern 2 2 = Tone Pattern 3 3 = Tone Pattern 4 4 = Incoming Extension Ring Tone 5 = Tone Pattern 5 (V3.0 Added) 6 = Tone Pattern 6 (V3.0 Added) 7 = Tone Pattern 7 (V3.0 Added) 8 = Tone Pattern 8 (V3.0 Added)	tunction key on the tele- phone, and the tone pat- tern by which the sound of each extension differs, the priority of ring sound is set up.	

Default

• By default, Virtual Extension ring tones have the following order :

Priority Order	Ring Tone (Set in Program 15-08)
1	0 (Tone Pattern 1)
2	1 (Tone Pattern 2)
3	2 (Tone Pattern 3)
4	3 (Tone Pattern 4)

Conditions

None

Feature Cross Reference

Program 15 : Extension, Basic Setup 15-11 : Virtual Extension Delayed Ring Assignment

Level: <u>SA</u>

Description

Program

5

Use **Program 15-11 : Virtual Extension Delayed Ring Assignment** to assign the delayed ringing options for an extension Virtual Extension or Virtual Extension Group Answer keys (defined in Program 15-09). You make an assignment for each Night Service Mode. There are 50 Virtual Extension Ports.

Assign extension numbers (Program 11-04) and names (Program 15-01) to virtual extension ports. Program Multiple Directory Number (virtual extension) keys in Program 15-07 (code *03).

Input Data

Extension Number	Maximum eight digits	
Key Number	01 ~ 24	
Day/Night Mode	1~8	

ltem No.	Item	Input Data	Default	Related Program
01	Ringing	0 = Immediate Ring 1 = Delayed Ring	0	20-04-03 15-09-01

Conditions

- Program the Virtual Extension keys **NOT** to ring before removing the key from telephone programming.
- Program 15-09-01 has to be assigned to Ring Immediately before assigning the VE key to Delay Ring.

Feature Cross Reference

Program 15 : Extension, Basic Setup

15-12 : Conversation Recording Destination for Extensions

Level: IN

Description

Use **Program 15-12 : Conversation Recording Destination for Extensions** to set the Conversation Recording destination for each extension.

If both Programs 14-09 and 15-12 define a destination, the destination in Program 15-12 is followed.

Input Data

Extension Number		Maximum eight digits			
ltem No.	ltem	Input Data	Description	Default	
01	Recording Destina- tion Extension Num- ber	Maximum eight digits	Enter the extension number to which the trunk calls should be recorded.	No Setting	
02	Automatic Recording for Incoming Calls	0 = Off 1 = On	Determine if an extension incoming calls should be automatically recorded.	0	
03 Recording Contents Storing Method 0 = Save to dialed Mail Box 1 = Save to own Mail Box			0		
04	Automatic Recording for Outgoing Calls	0 = Off 1 = On	Determine if an extension outgoing calls should be automatically recorded.	0	

Conditions

None

Feature Cross Reference

Program 15 : Extension, Basic Setup 15-13 : Loop Keys

Level: IN

Description

Program

15

Use **Program 15-13 : Loop Keys** to assign the Loop Key data for each keyset terminal. Loop Keys can be incoming, outgoing or both ways. Outgoing Loop Keys use the entry in item 1. Incoming Loop Keys use the entry in item 2. Both Way Loop Keys follow the entries in both item 1 and 2.

Input Data

Extension Number	Maximum eight digits

01 ~ 24

ltem No.	Item	Input Data	Default
01	Outgoing Option	0 ~ 25 (0 = Assigns the Loop Key for ARS, 1 ~ 25 = As- signs the Loop Key to the trunk group specified)	0: Programming Func- tion Key No. = 01 ~ 24
02	Incoming Option	$0 \sim 25$ (0 = Assigns the Loop Key to all trunk groups, $1 \sim 25$ = Assigns the Loop key to the trunk group specified)	0: Programming Func- tion Key No. = 01 ~ 24

Conditions

• Please set Loop Key at Program 15-07 before setting Program 15-13.

Feature Cross Reference

Key Number

Program 15 : Extension, Basic Setup 15-14 : Programmable One-Touch Keys

Level: SB

Description

Use **Program 15-14 : Programmable One-Touch Keys** to define the One-Touch key data for each multiline terminal.

For each SL1100 Wireless telephone to use the Transfer When Out of Range feature, enter the destination number (up to 36 digits) and name (up to 12 characters) into One-Touch bin 10. Make sure to add any required trunk access codes for outside numbers. If this bin information is changed either through 15-14-01 or through user programming, the destination for the transferred calls is also changed.

Input Data

Extension Number	Maximum eight digits

Key Number

01 ~ 10

ltem No.	ltem	Input Data	Description	Default
01	Dial Data	Maximum of 36 digits (0 ~ 9, *, #, @, P, R) @ = Wait for Answer Su- pervision - ISDN trunks only P = Pause - Analog Trunk Only R = Hook flash - Analog Trunk Only	If PRG 15-02-60 is set to a (0) then the stations personal speed dial entries are programmed here. Per key number (1 ~ 10) assign the telephone number that is to be called when the bin is accessed.	No Setting
02	Name	Maximum of 12 charac- ters	Per key number $(1 \sim 10)$ assign a name to be used when searching through the direc- tory. If a name is not assigned for a speed dial bin the speed dial entry will not be listed in the directory.	No Setting

Conditions

None

Feature Cross Reference

Program 15 : Extension, Basic Setup 15-16 : SIP Register ID Setup for Extension

Level: <u>IN</u>

Description

Program

15

Use **Program 15-16 : SIP Register ID Setup for Extension** to define the SIP Register ID for Extensions.

Input Data

Extension Number	Maximum eight digits
Profile (V5.0 Added)	1~2

ltem No.	Item	Input Data	Default
01	Register ID	None, 0 ~ 31	No Setting

Conditions

None

Feature Cross Reference

Program 15 : Extension, Basic Setup 15-17 : CO Message Waiting Indication

Level: IN

Description

Use **Program 15-17 : CO Message Waiting Indication** to set the message waiting LED Flash assignment on each CO line.

Input Data

Extension Number including Virtual Extensions	Up to eight digits
---	--------------------

Trunk Port Number

001 ~ 084

ltem No.	Item	Input Data	Default
01	LED Flash Assignment	0 = LED Off 1 = LED On	0

Conditions

None

Feature Cross Reference

None

Program

Program 15 : Extension, Basic Setup 15-18 : Virtual Extension Key Enhanced Options

Up to eight digits

Level: <u>IN</u>

Description

Virtual Extension Key is pressed.

Program

15

Input Data

Extension Number including Virtual Extensions

Item Default Related Item Input Data Description Program No. 01 20-04-01 Virtual Extension 0 = Release Define if calls to a Virtual Extension 1 **Key Operation** 1 = Land on the key Key land on the Virtual or on the extension/CO appearance. Mode This is assigned for the Virtual Extension Key, not the extension it resides on. 02 Display mode 0 = Secondary Exten-Defines if calls to or from a Virtual 1 when placing a sion Name Extension Key display the Virtual call on Virtual 1 = Actual Station Extension Key name or the name of **Extension Key** Name the extension it resides on. 03 Show CLI (V3.0 0 = No CLI infoWhen set to a 0, the caller ID of a 0 15-09-01 Added) 1 = Show CLI info trunk call/station call pointed to a virtual extension will not be displayed if the virtual extension is not set to ring. When set to a 1, the caller ID of a trunk call pointed to a virtual extension will be displayed if the virtual extension is not set to ring. Station calls to a virtual that is not assigned to ring will display the station name or number if PRG 15-18-04 is set to a 1. 15-09-01 0 = Do Not Show 04 Show Internal When set to a 0, internal calls to the Λ Caller Informa-1 = Showvirtual extension will not show the 15-18-03 tion (V3.0 Added) name or number of the extension that is calling. When set to 1, internal calls to the virtual extension will show the name or number of the extension that is calling if the virtual is assigned to ring or if PRG 15-18-03 is set to a 1. 05 One Ring (V3.0 0 = Normal Ring Cycle 0 15-09-01 When set to a 0, the virtual exten-Added) 1 = One Ring sion follows the normal ring cycle. When set to a 1, the virtual extension will only ring one time (the virtual extension must be first set to ring in PRG 15-08).

Use Program 15-18 : Virtual Extension Key Enhanced Options to define the operation when a

Condition

• If a DIL rings a Virtual Extension, the Virtual Extension Key Operation Mode must be set to 1.

Feature Cross Reference

None

Program

Program 15 : Extension, Basic Setup 15-22 : Mobile Extension Setup

Up to eight digits

Level: <u>IN</u>

Description

Input Data

Extension Number

Program

15

Use **Program 15-22 : Mobile Extension Setup** to set the system information for the Mobile Extension feature.

Item Description Default Item Input Data No. 01 Mobile Extension Tar-Set which Speed Dial bin is used to call 0 0 = No Setting get Setup 1 ~ 999 = Speed Dial when the Mobile extension is called. Bin 1 ~ 999 (PRG 13-04) 02 Connect Confirmation 0 = Always (User must Per Mobile Extension, assigned in PRG 0 11-02, select whether a confirmation is redial * when answered for the call to cut through quired (user dials*) to allow the call to cut on ALL line types.) through when answered. 1 = On Analog Line (User must dial * when answered for the call to cut through on Analog lines only.) 2 = Never (When the call is answered the call is immediately cuts through.) 03 Trunk Access Code 0 = Normal Trunk Ac-0 Select if the Normal (0) or Individual (1) cess (PRG 11-09-01) Trunk access is used when making the call 1 = Individual Trunk Acto the mobile number. cess (PRG 11-09-02) 04 Call Back 0 = Disable 0

1 = Enable

Conditions

None

Feature Cross Reference
Program 15 : Extension, Basic Setup 15-24 : Registration of Standard SIP Terminal

Level: IN

(This Program is available for V1.5 or higher)

Description

Use **Program 15-24 : Registration of Standard SIP Terminal** to register data in the standard SIP terminal where Register is not used.

Program

15

Input Data

ltem No.	ltem	Input Data	Description	Default
01	Using IP Address	0.0.0.0 ~ 255.255.255.255	IP Address of the standard SIP terminal that is used as the SIP extension. When Program 15-24-03 is set to 1, this Program cannot be changed from 0.0.0.0 (except using PCProgramming).	0.0.0.0
02	Call Procedure Port	0 ~ 65535	Call procedure port of the standard SIP terminal that is used as SIP extension.	5060
03	Registration Setting when REGISTER isn't used	0 = Disable 1 = Enable	Enables or disables the Registration meth- od. An error will occur if Program 15-24-01 is 0.0.0.0 and this Program is set to 1 (ex- cept using PCProgramming).	0

Conditions

None

Feature Cross Reference

None

Program 15 : Extension, Basic Setup 15-28 : Trunk Incoming Ring Tone of Extension Setup

Level: IN

(This Program is available for V1.5 or higher)

Program

15

Description

Use **Program 15-28 : Trunk Incoming Ring Tone of Extension Setup** to define the ringing tone for each trunk port of extension.

Input Data

Extension Number	Up to eight digits
Trunk port number	001 ~ 084

1~8

Day/Night Mode

ltem No.	Item	Input Data	Description	Default	Related Program
01	Trunk Incoming Ring Tone	0 = Trunk incoming ring tone 1 = High 2 = Middle 3 = Low 4 = Melody 1 5 = Melody 2 6 = Melody 3 7 = Melody 4 8 = Melody 5	Assign individual ring tones at ex- tension for each trunk and each Night mode. When 0 (Trunk incoming ring tone) is selected, it follows the setting of Program 15-02-02.	0	22-03 15-02-02

Conditions

None

Feature Cross Reference

None

Program 16 : Department Group Setup 16-01 : Department Group Basic Data Setup

Level: IN

Description

Use **Program 16-01 : Department Group Basic Data Setup** to set the function mode for each department group. There are 32 available Department Groups.

Input Data

	Department Group Number			1 ~ 32		
ltem No.	ltem	Input Data		Description	Default	Related Program
01	Department Name	Maximum 12 charac- ters	This name	program is used to assign a e to the department group.	No Setting	11-07
02	Department Call- ing Cycle	0 = Normal Routing (Priority) 1 = Easy - UCD Rout- ing (Circular)	Use this option to set the call routing for Department Calling. Routing can be either circular (cycles to all phones in group) or priority (cycles to highest priority extensions first).		0	16-02
03	Department Routing when Busy (Auto Step Call)	0 = Normal (Intercom caller hears busy tone.) 1 = Circular (Intercom caller routes to an idle group member.)	Set th tem r busy Interc can e first a This tension	his option to set how the sys- outes an Intercom call to a Department Group member. com callers to the extension either hear busy or route to the available department number. only occurs for calls to the ex- on directly, not the department per assigned in Program 11-07.	0	16-02
04	Hunting Mode	0 = Last extension is called and hunting is stopped 1 = Circular	Use t en wl tensid = hur peats the D	this option to set the action tak- hen a call reaches the last ex- on in the Department Group (0 nting stopped, 1 = hunting re- s with circular routing through Department Group).	0	
05	Extension Group All Ring Mode Operation	0 = Manual (Ring the extensions one at a time when the service code are pressed.) 1 = Automatic (Ring all extensions.)	Deter Depa exter ously when in Pro	rmine whether calls ringing a artment Group should ring all asions in the group simultane- v automatically or manually a using the service code defined ogram 11-12-09. When set to (1) Automatic, only ICM Calls and DID Calls will ring all the stations in the De- partment Group.	0	11-16-10
06	STG Withdraw Mode	0 = Disabled (Call will camp on to the group.) 1 = Automatic (Call fol- lows PRG 22-11-11.)			0	
07	Call Recall Re- striction for STG	0 = Disabled (Call will recall.) 1 = Enabled (Call will not recall.)	Deter swere ment sion	rmine whether or not an unan- ed call transferred to a Depart- Group should recall the exten- from which it was transferred.	0	

Program

ltem No.	ltem	Input Data	Description	Default	Related Program
08	Maximum Queu- ing number for Department Group Call	0 ~ 32 0 = No Queuing	This program sets the amount of calls that can queue to a department group when all members of the group are busy.	0	
09	Department Hunting No An- swer Time	0 ~ 64800 seconds	Set how long a call rings a Depart- ment group extension before hunt- ing occurs.	15	
10	Enhanced Hunt Type	0 = No hunting 1 = Hunting When Busy 2 = Hunting When Not Answered 3 = Hunting When Busy or No Answer	Set the type of hunting for each Ex- tension (Department) Group.	0	

16

Program

Conditions

None

Feature Cross Reference

• Department Calling

Program 16 : Department Group Setup

16-02 : Department Group Assignment for Extensions

Level:

Description

Use **Program 16-02 : Department Group Assignment for Extensions** to set the Department Groups. The system uses these groups (32 Department Groups) for Department Calling. Assign pilot numbers to Department Groups you set up in Program 11-07. This lets system users place calls to the departments. Use Program 16-01 to set the priority of each extension in each Department Group. When a call comes to the group, the extensions ring in order of their priority.

Program

16

Input Data

	Extension Number			Maximum eight digits		
ltem No.	ltem	Input Data	Default	Description	Related Program	
01	Group Num- ber	1 ~ 32 1 - xxx (See 🖉)	Set up the Department Group called by the pilot number and the exten-	11-07 16-01		
	Priority	1 ~ 999		Call Pickup Groups are set up in 23-02.		

The initial value of a priority becomes the ports numerical order assigned in Programs 11-02 and 11-04. (Extension ports are $1 \sim 128$ (V3.5 or higher) Virtual extension ports are $1 \sim 50$.)

Conditions

None

Feature Cross Reference

• Department Calling

Program 16 : Department Group Setup 16-03 : Secondary Department Group

Level: <u>IN</u>

Description

Program

6

1

Use **Program 16-03 : Secondary Department Group** to set a second Department Group for extensions. Up to 16 extensions can be assigned per a Department Group. There are 32 available Department Groups.

Input Data

Item No.	ltem	Input Data	Description
01	Secondary Extension Num- ber	1 ~ 16	This program is set up when placing tele- phones in two or more groups.
	Extension Number	Maximum 8 digits	
	Priority Order	0 ~ 999	

Default

• All extension groups : No setting

Conditions

None

Feature Cross Reference

• Department Calling

Program 16 : Department Group Setup *16-04 : Call Restriction Between Department Groups*

Level: IN

Description

Use **Program 16-04 : Call Restriction Between Department Groups** to set internal calls between members of different Department (Station) groups that can be restricted on a per group basis. Each department group can restrict calls to up to 8 department groups in Department Group - Departmental Call Restriction.

Input Data

Extension (Department) Group Number	1 ~ 32

Restricted Group Index

1~8

ltem No.	ltem	Input Data	Description	Default
01	Restrict Department Group Number	0 ~ 32	Calls between members of different De- partment (Station) groups can be restricted on a per group basis.	0

Conditions

None

Feature Cross Reference

None

Program 20 : System Option Setup 20-01 : System Options

Level: IN

Description

Use Program 20-01 : System Options to set various system options.

Program

20

Input Data

ltem No.	Item	Input Data	Description	Default	Related Program
01	Operator Access Mode	0 = Step Call 1 = Circular	Use this program to set up priority of a call when calling an operator tele- phone.	0	20-17
02	Text Message Mode	0 = Call mode 1 = No Answer/Busy mode	Use this program to select the mode when calling the telephone which set up the text message.	1	11-11-14 15-07-08
04	Interval timer for BLF Data (V1.5 Added)	0 ~ 64800 (0 ~ 6480 seconds)	While on Networking Operation It sends a BLF message to other system interval of per 100s.	0	
05	DTMF Receive Active Time	0 ~ 64800 seconds	For OPXs, analog telephones and certain analog trunks (like DISA), the system attaches a DTMF receiv- er to the port for this time. The sys- tem releases the receiver after the time expires.	10	25-07-01
06	Alarm Duration	0 ~ 64800 seconds	This time sets the duration of the alarm signal.	30	11-11-12
07	Callback Ring Duration Time	0 ~ 64800 seconds	Callback rings an extension for this time.	15	11-12-05 15-07-35
08	Trunk Queuing Callback Time	0 ~ 64800 seconds	Trunk Queuing callback rings an ex- tension for this time.	15	11-12-05 15-07-35
09	Callback/Trunk Queuing Cancel Time	0 ~ 64800 seconds	The system cancels an extension Callback or Trunk Queuing request after this time.	64800	11-12-05 15-07-35
10	Trunk Guard Timer	0 ~ 64800 seconds	The amount of time the system waits to seize the next outside line after the system releases an outside line.	1	
12	Telephone/Web Pro Logout Time	1 ~ 86400 (86400 seconds = 1 day)	The system automatically logs out of a Telephone/Web Pro session after inactivity lasting this time.	900 (15 min.)	
16	Mobile Extension Callback time	1 ~ 64800 seconds	The amount of time the system waits to until system ends the call back.	15	15-22-04
17	Day/Night Change Key Mode	0 = Toggle (Will follow PRG 12-08-01.) 1 = Skip (When press- ed the system will step to the next night mode time period in PRG 12-02.)	This program sets the operation mode for the Night Mode Key (PRG 15-07 key 09).	0 (V4.0 Changed)	15-07

ltem No.	ltem	Input Data	Description	Default	Related Program
20	ProgressTone for Mobile Extension Setting (V4.0 Added)	0 = Disable 1 = Enable	Enable/Disable the ProgressiveTone when calling a Mobile Extension.	1	

Conditions

None

Feature Cross Reference

None

Program

Program 20 : System Option Setup 20-02 : System Options for Multiline Telephones

Level: <u>IN</u>

Description

multiline telephones.

Program

20

Input Data

ltem No.	ltem		Input Data		Description	Default	Related Program
01	Trunk Loop Key Op- eration Mode	0 = Keep Lam 1 = Extinction	p			1	
		Mode	<u>0 = Keep Lamp</u>	<u>1 = LED Off</u>			
		Incoming :	300 IPM Re	ed blink			
		Talking :	Green Lighting (on Talking TEL)	LED Off			
		Holding :	60 IPM Green blink (on holding TEL)	LED Off			
02	Trunk Group Access Key Operating Mode	0 = Outgoing / 1 = Outgoing 2 = Incoming	Incoming		Use this option to set the oper- ating mode of the extension trunk group keys. The keys are for incom- ing access, outgoing ac- cess, or both.	0	
04	Retrieve the Line Af- ter Transfer	0 = Not Holdin 1 = Holding (K	g (No Keep) eep)		Enable (1) or disable (0) an extension abili- ty to answer a call after it has been transfer- red, but before it is answered.	1	
05	Headset Busy Mode	0 = No (Disabl 1 = Yes (Enab	e) le)		Set the condi- tions under which a head- set extension is busy to in- coming callers.	0	20-09-07
06	Pre-selection Time	0 ~ 64800 sec	onds		When a multi- line terminal user preselects a line key, the system re- members the pre-selection for this time.	5	

Use Program 20-02 : System Options for Multiline Telephones to set various system options for

ltem No.	Item	Input Data	Description	Default	Related Program
07	Time and Date Dis- play Mode	1 ~ 8 Type 1 = (12 hour) 10 MAR TUE 3 : 15 PM Type 2 = (12 hour) 3 : 15 PM MAR 10 TUE Type 3 = (12 hour) 3 - 10 TUE 3 : 15 PM Type 4 = (12 hour) 3 : 15 PM TUE 10 MAR Type 5 = (24 hour) 10 MAR TUE 15 : 15 Type 6 = (24 hour) 15 : 15 MAR 10 TUE Type 7 = (24 hour) 3 - 10 TUE 15 : 15 Type 8 = (24 hour) 15 : 15 TUE 10 MAR	Set how the Time and Date appear on dis- play tele- phones. There are eight dis- play modes.	3	
08	LCD Display Hold- ing Time	0 ~ 64800 seconds		5	
09	Disconnect Supervision	0 = Disable (Off) 1 = Enable (On)	Use this option to enable or disable discon- nect supervi- sion for the system trunks.	1	
10	Time Before Shifting to Power-Saving Mode	0 = No Shift (Power saving mode off) 1 = 1 minute 2 = 2 minutes 3 = 4 minutes 4 = 8 minutes 5 = 16 minutes 6 = 32 minutes 7 = 64 minutes		0	15-02-18
11	Handsfree Micro- phone Control	0 = Off 1 = On	Use this option to control the setting for Mul- tiline Terminal Handsfree mi- crophone after being discon- nected and re- connected. If set to 0, the microphone is always off when the ter- minal is recon- nected. If set to 1, the micro- phone remains in the same state it was in when the ter- minal is recon- nected.	1	
12	Forced Intercom Ring (ICM Call Type)	0 = Disable (Voice) 1 = Enable (Signal)	Use this option to enable or disable Forced Intercom Ring- ing. If enabled, incoming Inter- com calls nor- mally ring. If disabled, Inter- com calls voice-an- nounce.	1	
15	Caller ID Display Mode	0 = Name and Number (Both) 1 = Name 2 = Number		0	
18	Dialing Record Dis- play Time	0 ~ 64800 seconds		30	

Program

ltem No.	ltem	Input Data	Description	Default	Related Program
19	DSS Key - Virtual Extension Mode	0 = No 1 = Yes	Sets the mode of a virtual ex- tension key that appears on a DSS con- sole.	0	
24	LCD scroll mode	0 = Character 1 = Dot		0	

Program

20

None

Feature Cross Reference

None

Conditions

Program 20 : System Option Setup 20-03 : System Options for Single Line Telephones

Level:

Description

Use **Program 20-03 : System Options for Single Line Telephones** to set up various options for single line telephones.

Input Data

ltem No.	Item	Input Data	Description	Default	Related Program
01	SLT Call Waiting Answer Mode	0 = Hook Flash (Hook- ing) 1 = Hook Flash + Serv- ice Code 794	For a busy single line telephone, set the mode used to answer a camp- ed-on trunk call.	0	11-12-47
02	Ignore Received DP Dial on DTMF SLT Port	0 = Do Not Ignore (No) 1 = Ignore (Yes)	Use this option to define whether the system should receive dial pulse and DTMF signals (0) or ignore dial pulse and only accept DTMF signals (1).	0	15-03-01
03	SLT DTMF Dial to Trunk Lines	0 = Receive all dialed data, before sending (All) 1 = Direct through out (Direct)	 Type 0 : The system keeps the digits dialed by the single line telephone on a trunk in a buffer. After all the digits are received, the system sends all the digits to the trunk. If the time space between digits is longer than the time in Item 4, the system considers all digits received. Type 1 : The system passes the received digits from the single line telephone to the trunk immediately. If the single line telephone has a Last Number Dial key without a pause, this key may not be able to use the Last Number Dial key with the Type 1 setting. When using a third-party external paging device, set this option to 1. In addition, set Program 20-03-04 to 1 	0	20-03-04
04	Dial Sending Start Time for SLT or ARS	0 ~ 64800 seconds	When ARS or an analog extension user accesses a trunk and dials an outside call, the system waits this time before outdialing the first digit. When using a third-party external paging device, set this option to 1 . In addition, set Program 20-03-03 to 1 .	3	20-03-03
05	SLT Operation Mode	0 = Normal Mode 1 = Extended Mode 1 2 = Extended Mode 2		0	

Program

Conditions

None

ltem No.	Item	Input Data	Description	Default	Related Program
06	Headset Ringing Start Time (for SLT)	0 ~ 64800 seconds	Define the headset ringing start time. After this time expires from the time when a single line telephone is off-hook, the system sets the single line telephone to headset ringing mode.	5	20-13-38
07	Trunk Call Dial Forced Sending Start Time (Forced Dial)	0 ~ 64800 seconds		0	20-03-03 20-03-04

Program

20

Feature Cross Reference

Single Line Telephones

Program 20 : System Option Setup 20-04 : System Options for Virtual Extensions

Level: IN

Description

Use **Program 20-04 : System Options for Virtual Extensions** to set up various system options for Virtual Extensions. There are 50 available Virtual Extension ports.

Input Data

ltem No.	Item	Input Data	Description	Default	Related Program
03	Virtual Extension Delay Interval	0 ~ 64800 seconds	Virtual Extensions set for Delayed Ringing (see Program 15-11) ring the extension after this time.	10	
04	Virtual Extension Key Seize Mode	0 = Normal 1 = Enhanced Option	When set to Enhanced , the BLF will not show as being busy when the station is on a trunk call. When set to Normal , the BLF will show as being busy when on a trunk call.	1	
05	Ringtone mode for incoming to VE (V2.0 Added)	0 = Off 1 = On	Enable the distinctive ring tone when incoming ring.	0	22-03-01 15-08-01

Conditions

None

Feature Cross Reference

Virtual Extensions

Program

Program 20 : System Option Setup 20-06 : Class of Service for Extensions

Level: IN

Description

Program

20

Use **Program 20-06 : Class of Service for Extensions** to assign a Class of Service (COS) to an extension. There are 15 Classes of Service that can be assigned. To specify the options in each Class of Service, refer to Programs 20-07 through 20-13. You make eight entries for Program 20-06, one for each Night Service Mode.

Input Data

Extension Number	Maximum eight digits
Day/Night Mode	1~8

ltem No.	Item	Input Data	Default
01	Class of Service for Extensions	1 ~ 15	Extension 101 is Class 15 and other Extension are Class 1

Conditions

None

Feature Cross Reference

· Class of Service

Program 20 : System Option Setup 20-07 : Class of Service Options (Administrator Level)

Level: IN

Description

Use **Program 20-07 : Class of Service Options (Administrator Level)** to define the administrator service availability for each extension Class of Service (COS).

Input Data

Class of Service Number		01 ~ 15				
ltem No.	ltem	Input Data		Description	Default	Related Program
01	Manual Night Service Enabled	0 = OFF (User cannot control manual night mode.) 1 = ON (User can con- trol manual night mode.)	Turns off or on an extension for manual Night Service Switching.		COS1 ~ 14/ COS15 = 1	11-10-01
02	Changing the Music on Hold Tone	0 = Off 1 = On	Turns chan	s off or on an extension to ge the Music on Hold tone.	COS1 ~ 14/ COS15 = 1	11-10-02
03	Time Setting	0 = Off 1 = On	Turns the T	s off or on an extension to set ime via Service Code 728.	COS1 ~ 14/ COS15 = 1	11-10-03
04	Storing Speed Dialing Entries	0 = Off (Deny) 1 = On	Turns off or on an extension to store System or Group Speed Dialing numbers.		COS1 ~ 14/ COS15 = 1	11-10-04
05	Set/Cancel Auto- matic Trunk-to- Trunk Transfer	0 = Off 1 = On	Turns ability ward	s off or on an extension user y to use the Trunk-to-Trunk For- ing service codes.	COS1 ~ 14/ COS15 = 0	11-10-06 11-10-07 11-10-08
06	Charging Cost Display	0 = Off 1 = On			COS1 ~ 14/ COS15 = 0/1	11-10-09
10	Programmable Function Key Programming (Appearance Level)	0 = Off 1 = On	Turns tensio Appe Servi	s off or on the ability for an ex- on user ability to program the earance function keys using ice Code 752.	COS1 ~ 14/ COS15 = 1	11-11-38
11	Forced Trunk Disconnect (ana- log trunk only)	0 = Off 1 = On	Turns ability nect.	s off or on an extension user y to use Forced Trunk Discon-	COS1 ~ 14/ COS15 = 1	11-10-26
12	Trunk Port Disa- ble	0 = Off 1 = On			COS1 ~ 14/ COS15 = 1	11-10-27
13	VRS Record (VRS Msg Opera- tion)	0 = Off 1 = On	Turns to rec mess	s off or on extension user ability cord, erase and listen to VRS sages.	COS1 ~ 14/ COS15 = 0/1	11-10-20
14	VRS General Message Play	0 = Off 1 = On	Turns or Se Gene	s an extension off or on to dial 4 ervice Code 611 to listen to the eral Message.	COS1 ~ 14/ COS15 = 0/1	11-10-21

Program

20

ltem No.	Item	Input Data	Description	Default	Related Program
15	VRS General Message Record/ Delete	0 = Off 1 = On	Turns off or on an extension user ability to dial Service Code 612 and record, listen to, or erase the Gener- al Message.	COS1 ~ 14/ COS15 = 0/1	11-10-22
18	SMDR Printout Accumulated Ex- tension Data	0 = Off 1 = On		COS1 ~ 14/ COS15 = 1	11-10-23
19	SMDR Printout Department Group (STG) Da- ta	0 = Off 1 = On		COS1 ~ 14/ COS15 = 1	11-10-24
20	SMDR Printout Accumulated Ac- count Code Data	0 = Off 1 = On		COS1 ~ 14/ COS15 = 1	11-10-25
21	Register and de- lete DECTPP	0 = Off 1 = On		COS1 ~ 14/ COS15 = 1	
23	CO MSG Waiting Indication Call- back Number Programming	0 = Off 1 = On	Enable or Disable an extension abil- ity to receive CO Message Waiting Indication.	COS1 ~ 14/ COS15 = 1	
24	Set/Cancel Pri- vate Call Refuse	0 = Off (User cannot control the feature.) 1 = On	Per class of service (PRG 20-06-01) this program is used to allow or de- ny the stations ability to set or can- cel the Private Call Refuse feature.	COS1 ~ 14/ COS15 = 1	11-10-32
25	Set/Cancel Caller ID Refuse	0 = Off (User cannot control the feature.) 1 = On	Enable or Disable an extension abil- ity to set or cancel Caller ID Refuse.	COS1 ~ 14/ COS15 = 1	11-10-33 11-10-34
26	Dial-In Mode Switch	0 = Off (Station cannot control DDI switching.) 1 = On (Station can control DDI switching.)		COS1 ~ 14/ COS15 = 1	11-10-35
27	Do-Not-Call Ad- ministrator	0 = Off 1 = On		COS1 ~ 14/ COS15 = 1	25-01-07 15-07-89 20-01-19
30	Date Setting	0 = Off 1 = On		COS1 ~ 14/ COS15 = 1	11-10-41
31	System Wide call forward clear	0 = Off 1 = On		COS1 ~ 14/ COS15 = 0/1	
33	Caller ID Check- ing (V4.0 Added)	0 = Off 1 = On	This program sets the Caller ID Checking.	COS 1 ~ 5 = 0	

Conditions

None

Feature Cross Reference

Class of Service

Program 20 : System Option Setup 20-08 : Class of Service Options (Outgoing Call Service)

Level:

Description

Use **Program 20-08 : Class of Service Options (Outgoing Call Service)** to define the outgoing call feature availability for each extension Class of Service (COS).

Input Data

Class of Service Number			01 ~ 15			
ltem No.	ltem	Input Data		Description	Default	Related Program
01	Intercom Calls	0 = Off 1 = On	Turr	ns off or on Intercom calling for the extension.	COS 01 ~ 15 = 1	
02	Trunk Outgoing Calls	0 = Off 1 = On	Turns	s off or on outgoing trunk calling for the extension.	COS 01 ~ 15 = 1	
03	System Speed Dialing	0 = Off (Deny) 1 = On	Turr to m	ns off or on an extension ability hake outbound calls using sys- tem speed dial numbers.	COS 01 ~ 15 = 1	
04	Group Speed Di- aling	0 = Off (Deny) 1 = On	Turns off or on an extension ability to make outbound calls using group speed dial numbers.		COS 01 ~ 15 = 1	
05	Dial Number Pre- view (Preset Dial)	0 = Off 1 = On	Turns off or on an extension for us- ing Dial Number Preview.		COS 01 ~ 15 = 1	
06	Toll Restriction Override	0 = Off 1 = On	Turns off or on Toll Restricting Over- ride (Service Code 663).		COS 01 ~ 15 = 0	21-01-07 21-07
07	Repeat Redial	0 = Off 1 = On	Turns off or on an extension to use Repeat Redial.		COS 01 ~ 15 = 1	
08	Toll Restriction Dial Block	0 = Off 1 = On	Turr	ns off or on an extension to use Dial Block.	COS 01 ~ 15 = 1	
09	Hotline/Exten- sion Ringdown	0 = Off 1 = On	Turn fo	s off or on Ringdown Extension or extensions with this COS.	COS 01 ~ 15 = 1	
10	Signal/Voice Call	0 = Off 1 = On	Turr ing back	ns off or on an extension allow- it to force Handsfree Answer- or Forced Intercom Ringing for outgoing Intercom calls.	COS 01 ~ 15 = 1	
11	Protect for the Call Mode Switching from Caller	0 = Off 1 = On	(Internal Call)		COS 01 ~ 15 = 0	
12	Department Group Step Call- ing	0 = Off 1 = On	Turr De	ns off or on an extension to use partment Group Step Calling.	COS 01 ~ 15 = 1	

Program

20

ltem No.	Item	Input Data	Description	Default	Related Program
13	ISDN CLIP	0 = Off (when set to Off the system will not send any outbound calling party informa- tion.) 1 = On (when set to ON the system will send calling party informa- tion for the station or trunk.)	Determines if the ISDN calling line identity presentation and screening indicators are allowed.	COS 01 ~ 15 = 0	10-03-05 15-01-04
14	Call Address In- formation	0 = Off 1 = On		COS 01 ~ 15 = 0	
15	Block Outgoing Caller ID	0 = Off 1 = On	Turns off or on the system ability to automatically block outgoing Caller ID information when a user places a call. If this option is on, the system auto- matically inserts the Caller ID block code (defined in Program 14-01-21) before the user-dialed digits.	COS 01 ~ 15 = 0	14-01-20 14-01-21
16	Display E911 Di- aled Extension Name and Num- ber	0 = Off 1 = On	Turns off or on an extension to dis- play the name and number of the extension that dialed E911.	COS 01 ~ 15 = 0	
17	ARS Override of Trunk Access Map	0 = Off 1 = On	Turns off or on an extension ability to override the trunk access map programming for outgoing calls.	COS 01 ~ 15 = 0	
19	Hotline for SPK	0 = Off 1 = On	The ability of an extension to have Hotline activated or deactivated when going off hook via the speaker key.	COS 01 ~ 15 = 0	20-08-09
20	Hot Key Pad	0 = Off 1 = On	The ability of an extension to make a call by just dialing the number without first going off hook.	COS 01 ~ 15 = 0	
21	Automatic Trunk Seizing by Press- ing SPK Key	0 = Off 1 = On	The ability of an extension to auto- matically access Trunk Route when going off hook via the speaker key.	COS 01 ~ 15 = 0	
22	Voice Over to Busy Virtual Ex- tension	0 = Off 1 = On	The ability of an extension to make Voice Over to Busy Virtual Exten- sion.	COS 01 ~ 15 = 0	
23	Display indica- tion for security sensor detection	0 = Off 1 = On		COS 01 ~ 15 = 0	
24	Display indica- tion for emergen- cy call by remote inspection	0 = Off 1 = On		COS 01 ~ 15 = 0	

Conditions

None

Feature Cross Reference

Class of Service

Program 20 : System Option Setup 20-09 : Class of Service Options (Incoming Call Service)

Level: IN

Description

Use **Program 20-09 : Class of Service Options (Incoming Call Service)** to define the incoming call feature availability for each extension Class of Service (COS).

Input Data

	Class of Ser	vice Number		01 ~ 15		
L						
ltem No.	ltem	Input Data		Description	Default	Related Program
01	Second Call for DID/ DISA/DIL/E&M Override	0 = Off (2nd call will not be allowed.) 1 = On (2nd call is al- lowed.)	Turns to rec DISA	s off or on the extension ability beive a second call from a DID, a, DIL, or tie line caller. With this option set to 1, the des- tination extension must be busy for a second DNIS caller to ring through. If the destination exten- sion does not have a trunk key available for the second call and a previous call is ringing the ex- tension but has not yet been an- swered, the second caller hears busy regardless of this program setting.	COS 01 ~ 15 = 1	
02	Caller ID Display	0 = Off 1 = On	Turns at an	s off or on the Caller ID display extension.	COS 01 ~ 15 = 1 (V1.5 Changed)	
04	Notification for Incoming Call List Existence	0 = Off 1 = On	Deter tension wher a use	rmines whether or not an ex- on display shows Check List a an incoming call is missed by er.	COS 01 ~ 15 = 0	
05	Signal/Voice Call	0 = Off 1 = On	Turn enab Force comi	off or on an extension ability to le Handsfree Answerback or ed Intercom Ringing for their in- ng Intercom calls.	COS 01 ~ 15 = 1	11-11-15 11-11-16
06	Incoming Time Display	0 = Off 1 = On			COS 01 ~ 15 = 0	
07	Call Queuing	0 = Off (Calls are not queued.) 1 = On (Calls are queued.)	Turn have exter	off or on an extension ability to calls queued if a call rings the sion when it is busy.	COS 01 ~ 15 = 1	20-13-06
09	Deny Collect Call Receiving	0 = Off 1 = On			COS 01 ~ 15 = 0	
13	DND Active While Ringing (V3.0 Added)	0 = Immediate 1 = Next call	When ing a termi When ing a termi for th	n set to 0, and if set DND dur- n incoming call, the call for the nal stops immediately. n set to 1, and if set DND dur- n incoming call, the call for the nal continues ringing and set e next call.	COS 01 ~ 15 = 0	

Conditions

None

Feature Cross Reference

Class of Service

Program

Program 20 : System Option Setup 20-10 : Class of Service Options (Answer Service)

Level: <u>IN</u>

Description

Use **Program 20-10 : Class of Service Options (Answer Service)** to define the answer feature availability for each extension Class of Service (COS).

Input Data

Class of Service Number		01 ~ 15		
ltem No.	ltem	Input Data	Description	Default
01	Group Call Pickup (Within Group)	0 = Off 1 = On	Turns off or on Group Call Pickup for calls ringing an extension Pickup Group and ringing group calls (Service Code *#).	COS 01 ~ 15 = 1
02	Group Call Pickup (Another Group)	0 = Off 1 = On	Turns off or on Group Call Pickup for calls ringing outside a group (Service Code 769).	COS 01 ~ 15 = 1
03	Group Call Pickup for Specific Group	0 = Off 1 = On	Turns off or on Group Call Pickup for a specific group (Service Code 768).	COS 01 ~ 15 = 1
04	Telephone Call Pick- up	0 = Off 1 = On	Turns off or on an extension to be picked up by a call pickup	COS 01 ~ 15 = 1
05	Directed Call Pickup for Own Group	0 = Off 1 = On	Turns off or on Directed Call Pickup for calls ringing an extension Pickup Group (Service Code 756).	COS 01 ~ 15 = 1
06	Meet-Me Conference and Paging	0 = Off 1 = On	Turns off or on an extension to use Meet- Me Conference and Paging.	COS 01 ~ 15 = 1
07	Automatic Off-Hook Answer	0 = Off 1 = On	Turns off or on an extension to use Univer- sal Auto Answer (no service code re- quired).	COS 01 ~ 15 = 0
08	Virtual Extension Off- Hook Answer	0 = Off (Ringing Line Preference Disabled) 1 = On (Ringing Line Preference Enabled)	Turns off or on an extension to answer an incoming call on a Virtual Extension simply by lifting the handset.	COS 01 ~ 15 = 1
09	Call Pickup Callback	0 = Off 1 = On	Turn off or on an extension ability to use Call Pickup to pick up Callback calls.	COS 01 ~ 15 = 1
10	Answer Preset	0 = Off 1 = On		COS 01 ~ 15 = 0

Conditions

None

Feature Cross Reference

None

Program



Program 20 : System Option Setup 20-11 : Class of Service Options (Hold/Transfer Service)

Level:

Description

Use **Program 20-11 : Class of Service Options (Hold/Transfer Service)** to define the Hold and Transfer feature availability for each extension Class of Service (COS).

Input Data

Class of Service Number		Number	01 ~ 15		
ltem No.	ltem	Input Data	Description	Default	
01	Call Forward All	0 = Off 1 = On	Turns off or on an extension ability to ini- tiate Call Forwarding All.	COS 01 ~ 15 = 1	
02	Call Forward When Busy	0 = Off 1 = On	Turns off or on an extension ability to use Call Forward when Busy.	COS 01 ~ 15 = 1	
03	Call Forwarding When Unanswered	0 = Off 1 = On	Turns off or on an extension ability to use Call Forward when Unanswered.	COS 01 ~ 15 = 1	
04	Call Forwarding (Both Ringing)	0 = Off 1 = On	Turns off or on an extension ability to acti- vate Call Forwarding with Both Ringing.	COS 01 ~ 15 = 1	
05	Call Forwarding with Follow Me	0 = Off 1 = On	Turns off or on an extension ability to ini- tiate Call Forwarding with Follow Me.	COS 01 ~ 15 = 1	
06	Unscreened Transfer (Ring Inward Trans- fer)	0 = Off 1 = On	Turns off or on an extension ability to use Unscreened Transfer.	COS 01 ~ 15 = 1	
07	Transfer Without Holding	0 = Off 1 = On	Turns off or on an extension ability to use Transfer Without Holding.	COS 01 ~ 15 = 0	
08	Transfer Information Display	0 = Off 1 = On	Turns off or on an extension ability for in- coming Transfer preanswer display.	COS 01 ~ 15 = 1	
09	Group Hold Initiate	0 = Off 1 = On	Turns off or on an extension ability to ini- tiate a Group Hold.	COS 01 ~ 15 = 1	
10	Group Hold Answer	0 = Off 1 = On	Turns off or on an extension ability to pick up a call on Group Hold.	COS 01 ~ 15 = 1	
11	Automatic On-Hook Transfer	0 = Off 1 = On	Turns off or on an extension ability to use Automatic On Hook Transfer.	COS 01 ~ 15 = 0	
12	Call Forwarding Off Premise (External Call Forwarding)	0 = Off 1 = On	Turns off or on an extension ability to set up Call Forwarding Off-Premise for their telephone.	COS 01 ~ 15 = 1	
13	Operator Transfer Af- ter Hold Callback	0 = Off 1 = On	Turns off or on an extension ability to have a call which recalls from hold transfer to the operator.	COS 01 ~ 15 = 1	
14	Trunk-to-Trunk Trans- fer Restriction	0 = Off 1 = On	Turns off or on the Trunk-to-Trunk Transfer Restriction. If enabled, Trunk-to-Trunk Transfer is not possible.	COS 01 ~ 15 = 0	
15	VRS Personal Greet- ing (Message Greet- ing)	0 = Off 1 = On	Turns off or on a Service Code to record, listen to, or erase the Personal Greeting Message.	COS 01 ~ 15 = 1	

Program

20

Item No.	Item	Input Data	Description	Default
16	Call Redirect	0 = Off 1 = On	Turns off or on a multiline terminal user ability to transfer a call to a predefined destination (such as an operator, voice mail, or another extension) without an- swering the call.	COS 01 ~ 15 = 1
17	Department Group Trunk-to-Trunk Trans- fer (Each Telephone Group Transfer)	0 = Off 1 = On	Turns off or on an extension user ability to set Trunk-to-Trunk Forwarding for a Department Group.	COS 01 ~ 15 = 1
18	No Recall	0 = Off 1 = On	No Recall set to "Allow" (1) will not stop transferred calls from recalling from a virtu- al extension.	COS 01 ~ 15 = 0
19	Hold/Extended Park	0 = Off 1 = On	Determine if an extension Class of Service should allow either a normal or extended Park.	COS 01 ~ 15 = 0
20	No Callback	0 = Off 1 = On	Turns off or on an extension to receive callbacks.	COS 01 ~ 15 = 0
21	Restriction for Tan- dem Trunking on Hang Up	0 = Allow 1 = Deny	Allow (0) or Deny (1) an extension user ability to set up a tandem/conference call automatically when they hang up.	COS 01 ~ 15 = 0
22	Restricted Unsuper- vised Conference	0 = Allow 1 = Deny	Allow (0) or Deny (1) an extension ability to initiate an unsupervised conference.	COS 01 ~ 15 = 0
23	VE Call Forward Set/ Cancel	0 = Off 1 = On	Turn on or off an extension ability to set or cancel call forwarding for a virtual extension.	COS 01 ~ 15 = 1
24	Trunk Park Hold Mode	0 = Non Exclusive Hold (Off) 1 = Exclusive Hold (On)	Set the hold type when a trunk call is put on hold by an extension.	COS 01 ~ 15 = 1
25	Transfer Park Call	0 = Off 1 = On	Turn off or on an extension ability to trans- fer a parked call.	COS 01 ~ 15 = 1
26	Station Park Hold mode	0 = Off 1 = On		COS 01 ~ 15 = 0
27	Call Park Automati- cally Search	0 = Off 1 = On		COS 01 ~ 15 = 1
28	Both Ring Enhance- ment	0 = Normal 1 = Enhanced		COS 01 ~ 15 = 0
30	Disable Call FWD In- dication on LCD (V3.0 Added)	0 = Off 1 = On	When set to 1, Call FWD setting is not shown on the terminal LCD.	COS 01 ~ 15 = 1
31	Transfer to Remote Conference (V6.0 Added)	0 = Off 1 = On	Use this option to enable or disable an ex- tensions ability to transfer a call to a re- mote conference.	COS 01 ~ 15 = 1

Conditions

None

Feature Cross Reference

Class of Service

Program 20 : System Option Setup 20-12 : Class of Service Options (Charging Cost Service)

Level: IN

Description

Use **Program 20-12 : Class of Service Options (Charging Cost Service)** to define the Charging Cost service availability for each extension service class.

Input Data

Class of Service Number			01 ~ 15		
ltem No.	Item		Input Data	Default	
02	Advice of Charge (ISDN-AOC)	0 = Off 1 = On		COS 01~15 = 0	
03	Cost Display (TTU)	0 = Off 1 = On		COS 01~15 = 1	

Conditions

None

Feature Cross Reference

· Class of Service

Program

Program 20 : System Option Setup

20-13 : Class of Service Options (Supplementary Service)

Use Program 20-13 : Class of Service Options (Supplementary Service) to define the

supplementary feature availability for each extension Class of Service (COS).

Level: <u>IN</u>

Description

Program

20

Input Data

Class of Service Number		01 ~ 15				
ltem No.	Item	Input Data		Description	Default	Related Program
01	Long Conversa- tion Alarm	0 = Off 1 = On	Turns Long line te	s off or on the Warning Tone for Conversation (not for single elephones).	COS 01 ~ 15 = 0	
02	Long Conversa- tion Cutoff (In- coming)	0 = Off 1 = On	Turns off or on an extension ability to use Long Conversation Cutoff for incoming calls.		COS 01 ~ 15 = 0	
03	Long Conversa- tion Cutoff (Out- going)	0 = Off 1 = On	Turns off or on an extension ability to use Long Conversation Cutoff for outgoing calls.		COS 01 ~ 15 = 0	
04	Call Forward/DND Override (Bypass Call)	0 = Off 1 = On	Turns off or on an extension ability to use Call Forwarding/DND Over- ride.		COS 01 ~ 15 = 1	
05	Intercom Off- Hook Signaling	0 = Off (ICM off hook signaling disabled.) 1 = On (ICM off hook signaling enabled.)	Turns to rec	s off or on an extension ability ceive off-hook signals.	COS 01 ~ 15 = 1	
06	Automatic Off- Hook Signaling (Automatic Over- ride)	0 = Off (manually) 1 = On (automatically)	Allow manu ceive	vs a busy extension ability to ually (0) or automatically (1) re- e off-hook signals.	COS 01 ~ 15 = 1	
07	Message Waiting	0 = Off 1 = On	Turns to lea	s off or on an extension ability ave Message Waiting.	COS 01 ~ 15 = 1	
08	Conference	0 = Off 1 = On	Turns ability Meet	s off or on an extension user y to initiate a conference or -Me Conference.	COS 01 ~ 15 = 1	
09	Privacy Release	0 = Off 1 = On	Turns ability ence	s off or on an extension user y to initiate a Voice Call Confer-	COS 01 ~ 15 = 1	
10	Barge-In Monitor	0 = Speech 1 = Monitor	Enab Mode Monit	les the extension Barge-In e to be Speech mode (0) or tor mode (1).	COS 01 ~ 15 = 0	20-13-45
11	Room Monitor, Initiating Exten- sion	0 = Off 1 = On	Turns to Ro	s off or on extension user ability oom Monitor other extensions.	COS 01 ~ 15 = 1	

ltem No.	Item	Input Data	Description	Default	Related Program
12	Room Monitor, Extension Being Monitored	0 = Off 1 = On	Turn off or on an extension ability to be monitored by other extensions.	COS 01 ~ 15 = 1	
13	Continued Dial- ing (DTMF) Sig- nal on ICM Call	0 = Off 1 = On	Turn off or on an extension user ability to use Continued Dialing, which allows DTMF signal sending while talking on extension.	COS 01 ~ 15 = 1	
14	Department Call- ing (PLT No Called Exten- sion)	0 = Off 1 = On	Turns off or on an extension user ability to call a Department Group Pilot.	COS 01 ~ 15 = 1	
15	Barge-In, Initiate	0 = Off 1 = On	Turns off or on an extension user ability to barge-in on other's calls.	COS 01 ~ 15 = 0	
16	Barge-In, Re- ceive	0 = Off 1 = On	Turns off or on an extension ability to have other extensions barge-in on calls.	COS 01 ~ 15 = 0	
17	Barge-in Tone/ Display (Intru- sion Tone)	0 = Off 1 = On	Turns off or on the Barge-In tone. If on, callers hear an alert tone and their display indicates the Barge-In when another extension barges into their conversation. If off, there is no alert tone or display indication.	COS 01 ~ 15 = 1	
18	Programmable Function Key Programming (General Level)	0 = Off 1 = On	Turns off or on extension user ability to program General function keys using Service Code 751 (by default). (Refer to Program 20-07-10 for Service Code 752.)	COS 01 ~ 15 = 1	
19	Selectable Dis- play Messaging (Text Messaging)	0 = Off 1 = On	Turns off or on an extension user ability to use Selectable Display Messaging.	1	
20	Account Code/ Toll Restriction Operator Alert (Restricted Oper- ation Transfer)	0 = Off (Call restricted.) 1 = On (Call routed to operator.)	Turns off or on operator alert when an extension user improperly enters an Account Code or violates Toll Re- striction.	COS 01 ~ 15 = 0	
21	Extension Name	0 = Off 1 = On	Turns off or on an extension user ability to program its name.	COS 01 ~ 15 = 1	
22	Busy Status Dis- play (Called Par- ty Status)	0 = Off 1 = On	Turns off or on the ability to display the detailed state of the called party.	COS 01 ~ 15 = 0	20-13-06
23	Display the Rea- son for Transfer	0 = Off 1 = On	Select whether an extension should display the reason a call is being transferred to their extension (Call Forward Busy, Call Forward No An- swer, and DND).	COS 01 ~ 15 = 0	
24	Privacy Release by Pressing Line Key	0 = Off 1 = On	Turns off or on a user ability to press a line key to barge into an outside call. The Barge-In feature must be enabled if this option is to be used.	COS 01 ~ 15 = 0	
26	Group Listen	0 = Off 1 = On	Turns off or on an extension user ability to use Group Listen.	COS 01 ~ 15 = 1	
27	Busy on Seizing Virtual Extension	0 = Off 1 = On	If set to 1, you can call a busy ex- tension which is talking on a virtual extension key. Program 20-13-06 (Call Waiting) must be set to 0 for this option to work.	COS 01 ~ 15 = 1	
28	Allow Class of Service to be Changed	0 = Off 1 = On	Turns off or on the ability of an ex- tension Class of Service to be changed via Service Code 677.	COS 01 ~ 15 = 0	

Program

Program

ltem No.	Item	Input Data	Description	Default	Related Program
29	Paging Display	0 = Off 1 = On	Turns off or on an extension user ability to display paging information.	COS 01 ~ 15 = 1	
30	Background Mu- sic	0 = Deny (user cannot control background mu- sic on their station.) 1 = Allow (user can control background mu- sic on their station.)	Allow or Deny an extension user to turn Background Music on and off.	COS 01 ~ 15 = 1	
31	Connected Line Identification (COLP)	0 = Off 1 = On		COS 01 ~ 15 = 0	
32	Deny Multiple Barge-Ins	0 = Off 1 = On	Allows or Denies an extension from having multiple users Barge into their conversation.	COS 01 ~ 15 = 0	
34	Block Manual Off-Hook Signal- ing	0 = Off 1 = On	Turns off or on an extension user ability to block off-hook signals man- ually sent from a co-worker.	COS 01 ~ 15 = 0	
35	Block Camp On	0 = Off (Camp On blocked.) 1 = On (Camp On al- lowed.)	Turns off or on an extension user ability to block callers from dialing to Camp On.	COS 01 ~ 15 = 0	
36	Call Duration Timer Display	0 = Off 1 = On	Turns off or on an extension display of the Call Duration Time. The sys- tem waits until the interdigit time (Program 21-01-01) expires before beginning this timer.	COS 01 ~ 15 = 1	
38	Headset Ringing for SLT	0 = Off 1 = On	Turn off or on an extension user ability to use the Headset ringing	COS 01 ~ 15 = 0	
39	ACD Queue Sta- tus Display (V1.5 Added)	0 = Off 1 = On	Turn off or on the ACD Queue Sta- tus Display for an extension Class of Service. Any extension, which has this option enabled, also hears the queue alarm.	COS 01 ~ 15 = 0	41-20
40	Do Not Disturb	0 = Off 1 = On	Turn off or on an extension user ability to set or cancel Do Not Dis- turb.	COS 01 ~ 15 = 1	11-11-08 15-07-03
41	Voice Mail Mes- sage Indication on DSS	0 = Off 1 = On	Turn off or on the Voice Mail Mes- sage Indication for an extension on a DSS console.	COS 01 ~ 15 = 0	
42	Extension Data Swap Enabling	0 = Off 1 = On	Turn off or on an extension user ability to use Extension Data Swap.	COS 01 ~ 15 = 1	11-15-12
44	Live Monitor En- abling	0 = Off 1 = On	Turn off or on an extension user ability to use Live Monitor.	COS 01 ~ 15 = 1	
45	Mute Key Mode while Call Moni- toring	0 = Off 1 = On	Set per class of service, when in Call Monitoring Mode determines if the monitored parties receive the barge in alert tone when Coaching Mode is enabled.	COS 01 ~ 15 = 1	20-13-10
46	Remote Confer- ence	0 = Off 1 = On		COS 01 ~ 15 = 1	11-19 20-34
47	Station Number Display	0 = Off 1 = On	Determine if a station Number will be displayed (On) or not displayed (Off) in the LCD when the phone is in an idle state.	COS 01 ~ 15 = 1	
48	Station Name Display	0 = Off 1 = On	Determine if a station Number will be displayed (On) or not displayed (Off) in the LCD when the phone is in an idle state.	COS 01 ~ 15 = 1	

ltem No.	ltem	Input Data	Description	Default	Related Program
49	BLF Indication on CO Incoming State	0 = Off (Disabled) 1 = On (Enabled)	Determine if a BLF of the station will light when a Normal CO call is ring- ing the phone.	COS 01 ~ 15 = 0	
51	Number and Name appear in the Directory	0 = Off 1 = On	Determine if an extension name and number will be listed (On) or unlis- ted (Off) in the directory.	COS 01 ~ 15 = 1	
52	VoIPDB All DSP Busy Display	0 = Disable 1 = Enable	Set whether "All DSP Busy" alarm displays on LCD when the caller makes an IP call and there is no VoIPDB DSP resource.	COS 01 ~ 15 = 1	
53	Language Selec- tion for specific extension	0 = Disable 1 = Enable		COS 01 ~ 15 = 0	11-11-68 15-02-01 47-02-16
54	Call waiting for standard SIP ter- minal	0 = Disable 1 = Enable		COS 01 ~ 15 = 0	20-13-05 20-13-06 20-09-01 20-09-07
55	Intercom Call to Room Monitor	0 = Off 1 = On		COS 01 ~ 15 = 1	

Conditions

None

Feature Cross Reference

Class of Service

Program 20 : System Option Setup 20-14 : Class of Service Options for DISA/E&M

Level: IN

Description

Program

Use **Program 20-14 : Class of Service Options for DISA/E&M** to enable/disable DISA and tie line Class of Service options. You assign a DISA Class of Service to DISA users in Program 25-09. Assign tie line Classes of Service in 34-02. Up to 15 DISA/E&M Classes of Service can be defined.

20

Analog trunk-to-analog trunk and ISDN trunk-to-ISDN trunk calls are supported by this program. However, analog trunk-to-ISDN trunk and ISDN trunk-to-analog trunk calls are NOT supported by this program.

Input Data

Class of Service Number		01 ~ 15		
			-	
ltem No.	Item	Input Data	Description	Default
01	First Digit Absorption (Delete First Digit Di- aled)	0 = Off 1 = On	For tie lines, enable or disable the ability to absorb (ignore) the first incoming digit. Use this to make the tie trunk compatible with 3- and 4-digit tie line service. This op- tion does not apply to DISA.	COS 01 ~ 15 = 0
02	Trunk Group Routing/ARS Access	0 = Off 1 = On	This option enables or disables a DISA or tie trunk caller ability to dial 9 for Trunk Group Routing or Automatic Route Selec- tion (ARS/F-Route).	COS 01 ~ 15 = 1
03	Trunk Group Access	0 = Off 1 = On	This option enables or disables a DISA or tie trunk caller ability to access trunk groups for outside calls (Service Code 704).	COS 01 ~ 15 = 1
04	Outgoing System Speed Dial	0 = Off 1 = On	This option enables or disables DISA or tie trunk caller ability to use the System Speed Dialing.	COS 01 ~ 15 = 0
05	Operator Calling	0 = Off 1 = On	This option enables or disables a DISA or tie trunk caller ability to dial 0 for the tele- phone system operator.	COS 01 ~ 15 = 1
06	Internal Paging	0 = Off 1 = On	This option enables or disables a DISA or tie trunk caller ability to use the telephone system Internal Paging.	COS 01 ~ 15 = 1
07	External Paging	0 = Off 1 = On	This option enables or disables a DISA or tie trunk caller ability to use the telephone system External Paging.	COS 01 ~ 15 = 1
08	Direct Trunk Access	0 = Off 1 = On	This option enables or disables a DISA or tie trunk caller ability to use Direct Trunk Access (Service Code #9).	COS 01 ~ 15 = 0
09	Forced Trunk Discon- nect <not for="" isdn="" t-<br="">point></not>	0 = Off 1 = On	This option enables or disables a tie trunk caller ability to use Forced Trunk Disconnect (Service Code 11-10-26). This option is not available to DISA callers.	COS 01 ~ 15 = 0

ltem No.	ltem	Input Data	Description	Default
10	Call Forward Setting by Remote via DISA	0 = Off 1 = On	Enable or disable a DISA caller ability to use the Call Forward service codes (Pro- grams 11-11-01 ~ 11-11-05).	COS 01 ~ 15 = 0
11	DISA/Tie Trunk Barge- In	0 = Off 1 = On	This option enables or disables a DISA or tie trunk caller ability to use the Barge-In.	COS 01 ~ 15 = 0
12	Retrieve Park Hold	0 = Off 1 = On	This option enables or disables a DISA or tie trunk caller ability to retrieve a Park Hold call.	COS 01 ~ 15 = 1

Conditions

None

Feature Cross Reference

- Class of Service
- Direct Inward System Access (DISA)

Program 20 : System Option Setup 20-15 : Ring Cycle Setup

Level: IN

Description

Program

20

Input Data

ltem No.	ltem	Input Data	Default
01	Incoming Signal Type : Normal In- coming Call on Trunk	Ringing Cycle Number : 1 ~ 13	2
02	Incoming Signal Type : PBX, CES Incoming Call	Ringing Cycle Number : 1 ~ 13	8
03	Incoming Signal Type : Incoming Internal Call	Ringing Cycle Number : 1 ~ 13	12
04	Incoming Signal Type : DID/ DISA/VRS	Ringing Cycle Number : 1 ~ 13	8
05	Incoming Signal Type : DID/DDI	Ringing Cycle Number : 1 ~ 13	8
06	Incoming Signal Type : Dial-In in the E&M Tie Line	Ringing Cycle Number : 1 ~ 13	12
07	Incoming Signal Type : Door Box Ringing for SLT	Ringing Cycle Number : 1 ~ 13	8
08	Incoming Signal Type : Virtual Ex- tension Ring	Ringing Cycle Number : 1 ~ 13	8
09	Incoming Signal Type : Callback	Ringing Cycle Number : 1 ~ 13	11
10	Incoming Signal Type : Alarm for SLT	Ringing Cycle Number : 1 ~ 13	5
11	Incoming Signal Type : VRS Wait- ing Message Incoming Call	Ringing Cycle Number : 1 ~ 13	6

Use Program 20-15 : Ring Cycle Setup to define the ringing cycles for each ring type.

Table 2-5 Ringing Cycles

Number	Ringing Cycle
1	On
2	On : 2.0 / Off : 4.0
3	On : 1.0 / Off : 2.0
4	On : 0.5 / Off : 0.5
5	On : 0.25 / Off : 0.25
6	On : 0.5 / Off : 0.5 / On : 0.5 / Off : 1.5
7	On : 0.25 / Off : 0.25 / On : 0.25 / Off : 5.25
8	On : 0.375 / Off : 0.25 / On : 0.375 / Off : 2.0
9	On : 0.25 / Off : 0.125 / On : 0.25 / Off : 0.125 / On : 0.25 / Off : 2.0
10	On : 1.0 / Off : 4.0

Number	Ringing Cycle
11	On : 0.25 / Off : 0.25 / On : 0.25 / Off : 4.25
12	On : 1.0 / Off : 3.0
13	On : 0.25 / Off : 0.25 / On : 0.25 / Off : 2.25

Conditions

None

Feature Cross Reference

None

Program

Program 20 : System Option Setup 20-16 : Selectable Display Messages

Level:

<u>SA</u>

Description

Program

Use **Program 20-16 : Selectable Display Messages** to enter the Selectable Display Messages. There are 20 alphanumeric messages, with up to 48 characters. Use the following chart when programming messages.

Use this keypad digit	When you want to
1	Enter characters: 1 @ [¥] ^ _ ` { } → ← Á À Â Ã Å Æ Ç É Ê ì ó 0
2	Enter characters : A-C, a-c, 2.
3	Enter characters : D-F, d-f, 3.
4	Enter characters : G-I, g-i, 4.
5	Enter characters : J-L, j-I, 5.
6	Enter characters : M-O, m-o, 6.
7	Enter characters : P-S, p-s, 7.
8	Enter characters : T-V, t-v, 8.
9	Enter characters : W-Z, w-z, 9.
0	Enter characters : 0 ! " # \$ % & ' () ô õ ú å ä æ ö ü α ε θ Β
*	Enter characters : * + , / : ; < = > ? $\pi \Sigma \sigma \Omega \sim \mathfrak{E}$
#	# = Accepts an entry (only required if two letters on the same key are needed - ex : TOM). Pressing # again = Space. (In system programming mode, use the right arrow soft key instead to accept and/or add a space.)
Clear/Back	Clear the character entry one character at a time.
Flash	Clear all the entries from the point of the flashing cursor and to the right.

Input Data

Selectable Display Message Number			01 ~ 20	
Item No.	Item		Input Data	Default

Item No.	Item	Input Data	Default
01	Selectable Display Messages	48 characters	Refer below

Default

Number	Message	
1	IN MEETING UNTIL ## : ##	
2	MEETING ROOM - #########	
3	COME BACK ## : ##	
4	PLEASE CALL ###########	
Number	Message	
--------	----------------------------	
5	BUSY CALL AFTER ## : ##	
6	OUT FOR LUNCH BACK ## : ##	
7	BUSINESS TRIP BACK ## / ##	
8	BUSINESS TRIP ##########	
9	GONE FOR THE DAY	
10	ON VACATION UNTIL ## / ##	
11	MESSAGE 11	
12	MESSAGE 12	
13	MESSAGE 13	
14	MESSAGE 14	
15	MESSAGE 15	
16	MESSAGE 16	
17	MESSAGE 17	
18	MESSAGE 18	
19	MESSAGE 19	
20	MESSAGE 20	

Conditions

• Time value ## : ## must be followed by two spaces.

Feature Cross Reference

Selectable Display Messages

20

Program 20 : System Option Setup 20-17 : Operator Extension

Level: IN

Description

Program

20

Use Program **20-17** : **Operator Extension** to designate an operator. When an extension user dials 0 (defined by Program 11-01 Type 5), calls go to the operator selected in this program.

If you do not assign an extension in Program 90-11-01, system alarms appear on the extension assigned in this option.

Input Data

Operator Number	1~8
-----------------	-----

ltem No.	Item	Input Data	Description	Default	Related Program
01	Operator's Ex- tension Number	Up to eight digits	Define the extension numbers which are to be used by operators.	101	11-01 20-01-01
02	Operator Con- sole	0 = Normal Key Set 1 = Special Operator Console	Determines an operator console type when any extension user dials "0", the assigned extensions shall ring.	0	

Conditions

None

Feature Cross Reference

Intercom

Program 20 : System Option Setup 20-18 : Service Tone Timers

Level: IN

Description

Use **Program 20-18 : Service Tone Timers** to set the values for the system service tone timers. Refer to the following chart for a description of each option, its range and default setting.

Input Data

ltem No.	ltem	Input Data	Description	Default	Related Program
01	Extension Dial Tone Time	0 ~ 64800 seconds	After getting Intercom dial tone, a telephone user has this time to dial the first digit of the Intercom call.	30	
02	Busy Tone Timer	0 ~ 64800 seconds		15	
03	Congestion Tone	0 ~ 64800 seconds	A Busy Tone when system resour- ces run short. (Such as DTMF re- ceiver resources).	10	
04	Call Waiting Tone Timer	0 ~ 64800 seconds	This option sets the time between Call Waiting tones. This timer also sets the time between Off-Hook Sig- naling alerts.	10	
05	Multiline Confir- mation Tone	0 ~ 64800 seconds		10	
06	Interval of Call Waiting Tone	3 ~ 64800 seconds		10	
07	Intrusion Tone Repeat Time	0 ~ 64800 seconds	After a call is interrupted (such as Barge-In, Voice Mail Conversation Recording, or Voice Over), the sys- tem repeats the Intrusion Tone after this time. Normally, you should enter 0 to disable this time.	0	
08	Conference Tone Interval	0 ~ 64800 seconds		0	
09	Warning Beep Tone Signaling Interval	0 ~ 64800 seconds		60	14-01-18

Conditions

None

Feature Cross Reference

• Distinctive Ringing, Tones, and Flash Patterns

Program

Program 20 : System Option Setup 20-19 : System Options for Caller ID

Level: IN

Description

Use **Program 20-19 : System Options for Caller ID** to define the system options for the Caller ID feature.

Input Data

Program

20

ltem No.	ltem	Input Data	Description	Default
01	Caller ID Displaying Format	0 = First 10 digits (Up- per) 1 = Last 10 digits (Low- er)	(if displaying digits are more than 12 digits)	0
02	Caller ID Wait Timer	0 ~ 30 seconds	When an incoming CO call is received, the SL1100 starts the timer. It will wait the pro- grammed time for Caller ID information from Telco before connecting the CO call.	5
03	Caller ID Edit Mode (V2.0 Added)	0 = Off 1 = On	If Caller ID Edit Mode is disabled (0), no access code will be added to the Caller ID. If this option is enabled (1), the access code entered in PRG 10-02-02 & 10-02-03 will be added to the beginning of the Caller ID.	0
04	Wait Facility IE Timer	0 ~ 64800 seconds	This timer is used with ISDN trunks to de- termine how long the system waits for the Caller ID name from the Telco.	10
05	Caller ID Sender Queuing Time (Send- er Wait)	0 ~ 64800 seconds		0
07	Long Distance Code	Up to two digits		1
08	Area Code	Up to six digits		No Setting
09	Calling party Name for ISDN Trunk	Maximum of 12 digits (0 ~ 9, *, #)	When a name is programmed in this pro- gram this will be the name sent out for all callers that have PRG 15-01-10 enabled.	No Setting

Conditions

None

Feature Cross Reference

Caller ID

Program 20 : System Option Setup 20-20 : Message Setup for Non-Caller ID Data

Level: IN

Description

Use **Program 20-20 : Message Setup for Non-Caller ID Data** to define the messages which are displayed when no Caller ID information is received.

Input Data

ltem No.	ltem	Input Data	Default
01	Private Call	24 Alphanumeric Characters	PRIVATE
02	Call from Out of Service Area	24 Alphanumeric Characters	OUT OF AREA
03	Call Information with Error	24 Alphanumeric Characters	NO CALLER INFO

Conditions

None

Feature Cross Reference

Caller ID

Program

Program 20 : System Option Setup 20-21 : System Options for Long Conversation

Level:

Description

Program

20

Use **Program 20-21 : System Options for Long Conversation** to define the system options for the Long Conversation feature.

Input Data

ltem No.	ltem	Input Data	Description	Default	Related Program
01	Long Conversa- tion Alarm 1	0 ~ 64800 seconds	The warning tone for long toll calls sounds after this time.	170	14-01-15
02	Long Conversa- tion Alarm 2	0 ~ 64800 seconds	After the initial long toll call warning tone, additional warning tones sound after this time.	180	14-01-15
03	Long Conversa- tion Cutoff for In- coming Call	0 ~ 64800 seconds	This timer determines how long the system waits before disconnecting an incoming call.	0	14-01-14
04	Long Conversa- tion Cutoff for Outgoing Call	0 ~ 64800 seconds	This timer determines how long the system waits before disconnecting an outgoing call.	0	14-01-14
05	Conversation cutoff for remote monitor	0 ~ 64800 seconds		180	

Conditions

None

Feature Cross Reference

Long Conversation Cutoff

Program 20 : System Option Setup 20-23 : System Options for CTI

Level: IN

Description

Use Program 20-23 : System Options for CTI to define the system options for the CTI feature.

Input Data

ltem No.	ltem	Input Data	Description	Default
01	Delayed ring timer for CTI	0 ~ 64800 seconds		30 seconds
02	ALERT replay time (CTI)	0 ~ 64800 seconds		8 seconds
03	Trunk Virtual Bridge - TSP Driver	0 = Disable (No) 1 = Enable (Yes)	Enable or disable the system to send trunk or virtual extension information to the TSP driver.	0
04	The Timer that waits for an off-hook for Single Line Telephone	0 ~ 64800 seconds		30 seconds
06	3rd Party CTI IP Ad- dress (V3.0 Added)	0.0.0.0 - 255.255.255.255	Read Only: Displays the IP address of 3rd Party CTI Server currently connected.	0.0.0.0

Conditions

None

Feature Cross Reference

Program 20 : System Option Setup 20-25 : ISDN Options

Level: IN

Description

Use Program 20-25 : ISDN Options to define the ISDN system options.

Program

20

Input Data

ltem No.	ltem	Input Data	Description	Default
01	Send the Release Message After Sub- scriber Hangs Up	0 = Service Off 1 = Service On		1
02	Progress Indicate In- formation Element Detect	0 = Service Off 1 = Service On		1
03	Bearer Capability Se- lect from SLT Outgo- ing	0 = 3.1 KHz Audio 1 = Speech		0
04	Send DT until user di- als first digit (Local Dial Tone)	0 = Service Off 1 = Service On	With Overlap Sending Mode, if the network side stops dial tone when CLI is included in the SETUP message, the system sends dial tone until the user dials the first digit instead of the network.	0
05	T305 Timer Start After Sending Disconnect Message	0 = Service Off 1 = Service On		1
06	Call Proceeding Send Mode	0 = Service Off 1 = Service On		1
07	Local Busy Tone Mode Set When Dis- connect Message Re- ceived	0 = Local Busy Tone Off 1 = Busy Tone from NT (network side)		0
08	Use of Lower Layer Compatibility (LLC)	0 = Disable (Off) 1 = Enable (On)	This Program must be set to (0 = Disable) for International Dialing when using Calling Number Presentation (CPN) from station.	0
09	High Layer Compati- bility (HLC) Sending	0 = Disable (Off) 1 = Enable (On)		0
10	S-Point Terminal Seizes Analog Trunk	0 = Disable (Off) 1 = Enable (On)		1
11	Automatic Changing System Clock When Date/Time Information Element Received	0 = Disable (Off) 1 = Enable (On)		0
12	Call Forward Options (Auto Connect Send)	0 = Normal - No Mes- sage (Off) 1 = Normal - No Mes- sage (On)	Incoming Calls Forwarded Out Automati- cally Return Connect Message When Out- going Call Receives Alerting Message.	0
13	Local Busy Tone (Re- lease)	0 = Off 1 = On	Busy tone sends when T-point receiving a RELEASE message from Network.	0

ltem No.	ltem	Input Data	Description	Default
14	No Response Release Send	0 = Off 1 = On	Operation mode setting for when second T303 timer expires.	0
15	Call Reference selec- tion for PRI 2B-Ch Transfer	0 = Off 1 = On		0
18	Include CPN on Pre- sentation Restriction (V3.0 Added)	0 = Not include 1 = Include	When the presentation indicator bit is set (by pressing key 63 in PRG 15-07) the ISDN setup message is changed as fol- lows: When set to "Include" the CPN from the station or trunk is sent in the setup mes- sage. When set to "Disable" the CPN from the station or trunk is NOT sent in the setup message.	0
19	Send Progress Mes- sage on Forward (V3.0 Added)	0 = Disable 1 = Enable	When enabled if an ISDN call forwards out of the system a Progress Message will be sent for the initial call.	0

Conditions

None

Feature Cross Reference

ISDN Compatibility

Program

Program 20 : System Option Setup 20-26 : Multiplier for Charging Cost

Level: IN

Description

Program

extension service class. 20

Input Data

Service Class			01 ~ 15	
ltem No.	Item		Input Data	Default
01	Value (%)	100 ~ 500		100

Use Program 20-26 : Multiplier for Charging Cost to define the Multiplier for charging cost to each

Conditions

None

Feature Cross Reference

Program 20 : System Option Setup 20-28 : Trunk to Trunk Conversation

Level:

Description

Use **Program 20-28 : Trunk to Trunk Conversation** to define system options for Trunk to Trunk Conversation.

Input Data

ltem No.	ltem	Input Data	Description	Default	Related Program
01	Conversation Continue Code	0 ~ 9, *, # (Set for one digit only)	Input the code that can be dialed to continue the conversation after the Trunk-to-Trunk Release Warning Tone is heard.	No Setting	14-01-25 20-28-03 24-02-07 24-02-10 25-07-07 25-07-08
02	Conversation Disconnect Code	0 ~ 9, *, # (Set for one digit only)	Input the code that can be dialed to disconnect the conversation after the Trunk-to-Trunk Release Warning Tone is heard.	No Setting	14-01-25 24-02-07 24-02-10 25-07-07 25-07-08
03	Conversation Continue Time	0 ~ 64800 seconds	Input how long the conversation ex- tends when the Conversation Con- tinue Code is dialed.	0	14-01-25 20-28-01 24-02-07 24-02-10 25-07-07 25-07-08

Conditions

None

Feature Cross Reference

Program 20 : System Option Setup 20-29 : Timer Class for Extension

Level: IN

Description

Program

20

Use **Program 20-29 : Timer Class for Extension** to assign the timer class to each extension. There are 16 Classes that can be assigned. You make eight entries for this Program, one for each Night Service Mode. This entry includes virtual extension numbers.

The details of classes are assigned by Program 20-31.

Input Data

Extension Number	Up to eight digits

Day/Night Mode	
----------------	--

1~8

ltem No.	Item	Input Data	Default
01	Timer Class for Extension	0 ~ 15 0 = Not assigned	0

Conditions

None

Feature Cross Reference

Program 20 : System Option Setup 20-30 : Timer Class for Trunks

Level: IN

Description

Use **Program 20-30 : Timer Class for Trunks** to assign the timer class to each trunk. There are 16 Classes that can be assigned. You make eight entries for this Program, one for each Night Service Mode. The details of classes are assigned by Program 20-31.

Input Data

	001 001	
Day/Night Mode	1~8	

ltem No.	Item	Input Data	Default
01	Timer Class for Trunks	1 ~ 15 0 = Not assigned	0

Conditions

None

Feature Cross Reference

Program 20 : System Option Setup 20-31 : Timer Class Timer Assignment

Level: IN

Description

Program

20

Use **Program 20-31 : Timer Class Timer Assignment** to assign values to the timers on a class of service basis.

Input Data

Timer Class Number		0 ~ 15				
ltem No.	Item	Input Data		Description	Default	Related Program
01	Trunk Queuing Callback Dura- tion Time	0 ~ 64800 seconds	Trunk Queuing Callback rings an ex- tension for this amount of time		15	20-01-08
02	Callback / Trunk Queuing Cancel Time	0 ~ 64800 seconds	The system cancels an extension Callback or Trunk Queuing request after this amount of time.		64800	20-01-09
03	Virtual Extension Delay Interval	0 ~ 64800 seconds	Virtual Extensions set for Delayed Ringing (refer to 15-11 : Virtual Ex- tension Delayed Ring Assignment) ring the extension after this time.		10	20-04-03
04	Intercom Interdi- gits Time (Inter- com I/D Timer)	0 ~ 64800 seconds	Whe sion this t	n placing Intercom calls, exten- users must dial each digit in ime.	10	21-01-02
05	Trunk Interdigits Time (Trunk I/D Timer)	0 ~ 64800 seconds	The pire state pires not a	system waits for this time to ex- before placing the call in a talk e (Call Timer starts after time ex- s, Voice Over and Barge-In are allowed until after time expires).	10	21-01-03
06	Hotline Time Start Time (Hot- line Start)	0 ~ 64800 seconds	A Ringdown extension automatically calls the programmed destination after this time.		5	21-01-09
07	Ring No Answer Alarm Time	0 ~ 64800 seconds	If a trunk rings a multiline telephone longer than this time, the system changes the ring cadence. This indi- cates to the user that the call has been ringing too long.		60	22-01-03
08	DIL/Incoming Ring Group No Answer Time	0 ~ 64800 seconds	A DI desti verts Grou	L that rings its programmed nation longer than this time di- to the DIL No Answer Ring up (set in Program 22-08).	0	22-01-04
09	DID Ring-No-An- swer Time	0 ~ 64800 seconds	Group (set in Program 22-08). In systems with DID Ring-No-An- swer Intercept, this time sets the Ring-No-Answer time. This time is how long a DID call rings the desti- nation extension before rerouting to the intercept ring group.		20	22-01-06

ltem No.	ltem	Input Data	Description	Default	Related Program
10	Hold Recall Time (Non Exclusive Hold)	0 ~ 64800 seconds	A call on Hold recalls the extension that placed it on Hold after this time. This time works with the Hold Recall Callback Time (Program 24-01-02).	60 (V1.5 Changed)	24-01-01
11	Hold Recall Call- Back Time (Non Exclusive Hold)	0 ~ 64800 seconds	A trunk recalling from Hold or Park rings an extension for this time. This time works with Hold Recall Time or Park Hold Time. After this time, the system invokes the Hold Recall Time again. Cycling between time Program 24-01-01 and 24-01-02 and Program 24-01-06 and 24-01-07 continues until a user an- swers the call.	30	24-01-02
12	Exclusive Hold Recall Time	0 ~ 64800 seconds	A call left on Exclusive Hold recalls the extension that placed it on Hold after this time.	90	24-01-03
13	Exclusive Hold Recall Callback Time	0 ~ 64800 seconds	An Exclusive Hold Recall rings an extension for this time. If not picked up, the call goes back on System Hold.	30	24-01-04
14	Park Hold Time - Normal	0 ~ 64800 seconds	A call left parked longer than this time interval recalls the extension that initially parked it.	60 (V1.5 Changed)	24-01-06
15	Delayed Call For- warding Time (Call Forward No Answer)	0 ~ 64800 seconds	If activated at an extension, Delayed Call Forwarding occurs after this time. This also sets how long a Transferred call waits at an exten- sion forwarded to Voice Mail before routing to the called extension mail- box.	10	24-02-03
16	Transfer Recall Time	0 ~ 64800 seconds	An unanswered transferred call re- calls after this time to the extension that initially transferred it.	20 (V1.5 Changed)	24-02-04
17	DID/DISA No An- swer Time (Dis- connect or IRG or VM)	0 ~ 64800 seconds	A VRS/DISA caller can ring an ex- tension for this time before the sys- tem sets the call as a Ring No An- swer. After this time expires, the call follows the programmed Ring No Answer routing (set in Program 25-03 and 25-04).	0	25-07-02
18	Disconnect after Re-transfer to IRG	0 ~ 64800 seconds		60	25-07-03
19	Long Conversa- tion Warning Tone Time (Trunk to Trunk)	0 ~ 64800 seconds	Determine the time a DISA caller or any trunk-to-trunk (such as Tandem Trunking) conversation can last be- fore the Long Conversation tone is heard	3600	25-07-07
20	Long Conversa- tion Disconnect (Trunk to Trunk)	0 ~ 64800 seconds	This time determines how long the system waits before disconnecting a DISA caller or any trunk-to-trunk (such as Tandem Trunking) conver- sation call after the Long Conversa- tion tone is heard.	10	25-07-08
21	DISA Internal Paging Time	0 ~ 64800 seconds	This is the maximum length of an In- ternal Page placed by a DISA caller. If the Page continues longer than this time, the system terminates the DISA call.	30	25-07-09

Program

20

ltem No.	Item	Input Data	Description	Default	Related Program
22	DISA External Paging Time	0 ~ 64800 seconds	This is the maximum length of an External Page placed by a DISA caller. If the Page continues longer than this time, the system terminates the DISA call.	30	25-07-10
23	Page Announce- ment Duration	0 ~ 64800 seconds	This timer sets the maximum length of Page announcements. (Affects External Paging only)	1200	31-01-02
24	Mobile Extension answer time	1 ~ 64800 seconds		3	22-01-12
25	Mobile Extension callback time	1 ~ 64800 seconds		15	20-01-16

20

Conditions

- These timers are used when an extension or trunk is assigned to a class from 1 to 16 in 20-29-01 or 20-30-01. When the timer class is set to 0, the system-wide timer is used.
- All defaults are the same as the system-wide timers.

Feature Cross Reference

Program

20

Program 20 : System Option Setup 20-34 : Remote Conference Group Setup

Level: SA

Description

Use Program 20-34 : Remote Conference Group Setup to define the Remote Conference options.

Input Data

Remote Conference Group Number		1 ~ 4		
ltem No.	Item	Input Data	Description	Default
01	Conference Name	Up to 12 characters	Enter the name displayed at the time of a Remote Conference. This entry will display on the keyset LCD.	Group1 = Conf1 Group2 = Conf2 Group3 = Conf3 Group4 = Conf4
02	Password	4 digits Fixed (0 ~ 9, @ = wild charac- ter)	Define the password of a Remote Conference.	Group1 = 1111 Group2 = 2222 Group3 = 3333 Group4 = 4444
03	Max participants	0 ~ 16	Define the maximum number of participants of a Remote Conference.	8
04	Max Conference Du- ration	0 ~ 64800 seconds	Define the maximum duration of a Remote Conference. When this time passes, the conference is disconnected by the SL1100.	7200
05	End Tone Alert Time	0 ~ 64800 seconds	Determine how long prior disconnecting a Remote Conference call (based on the maximum conference duration above) the SL1100 should send out a beep. This is used to warn the conference participants of the pending disconnect.	300
08 Automatic Recording (V6.0 Added) 0 = Disable 1 = Enable Enable or Disable automatic recording for a Remote Conference. If disabled, a line key must be used to start recording.		0		
09	Recording Destina- tion Mail Box (V6.0 Added)	1 ~ 128	Enter the mailbox number where record- ings are to be stored. This is the mailbox number not the ex- tension number for a mailbox.	No Setting

Conditions

None

Feature Cross Reference

Conference, Remote

Program 20 : System Option Setup 20-35 : Extension's Operator Setting

Level: IN

Description

Program

20

Input Data

Extension Number		Up to eight dig	jits
ltem No.	ltem	Input Data	Default
01	Extension's Operator Setting	0 ~ 15 (0 = Not Set)	0

Use Program 20-35 : Extension's Operator Setting to assign an extension to an operator group.

Conditions

None

Feature Cross Reference

Program 20 : System Option Setup 20-36 : Trunk's Operator Setting

Level: IN

Description

Use Program 20-36 : Trunk's Operator Setting to assign a trunk to an operator group.

Input Data

Trunk Port Number		001 ~ 084		
ltem	Item	Input Data	Description	Default
No.				
01	Trunk's Operator Set- ting	0 ~ 15 (0 = No Setting)	Allows the user to select Operator Group per trunk when DISA is being used. After the user enters the 6 digit DISA password if the user dials 0 this command will decide which operator to route the call to.	0

Conditions

None

Feature Cross Reference

Program 20 : System Option Setup 20-37 : Operator Extension Group Setup

Level:

Description

Program Use Program 20-37 : Operator Extension Group Setup to define the operator(s) in the operator group.

Input Data

20

Operator Group	1 ~ 15
Operator Number	1 ~ 8

ltem No.	Item	Input Data	Default
01	Operator Extension Group Setup	Up to eight digits	No Setting

Conditions

None

Feature Cross Reference

Program 20 : System Option Setup 20-38 : Operator Group Setting

Level: IN

Description

Use **Program 20-38 : Operator Group Setting** to set up priority of a call when calling an operator telephone.

Input Data

Operator Group			1 ~ 15	
ltem No.	Item	Input Data	Description	Default
01	Operator Access Mode	0 = Step 1 = Circular	Assign if the operator is called, starting with the first operator, every time (0) or a different operator is tried first (1)	0

Conditions

None

Feature Cross Reference

None

20

Program 20 : System Option Setup 20-42 : Night Mode for each package

Level:

Description

Program

20

Input Data

PKG Number			02 ~ 15 (V3.	5 Changed)		
ltem No.	Item	Input Data		Description	Default	Related Program
01	Ecology Mode group No	1~4	Assig per e	n Night mode group number ach package (slot)	1	12-02

Use **Program 20-42 : Night Mode for each package** to assigns the Night Mode to each package.

Conditions

None

Feature Cross Reference

This Program uses ecology function (Program 20-43).

Program 20 : System Option Setup 20-43 : Power supply for each package

Level: IN

Description

Use **Program 20-43 : Power supply for each package** to assigns the Night Mode to each package. This Program uses ecology function (Program 20-43).

Input Data

PKG Number	02 ~ 15 (V3.5 Changed)
Operation Mode	01 ~ 08

ltem No.	ltem	Input Data	Description	Default
01	Ecology Mode	0 = Cut the power 1 = Power Supply	Assigns the power supply mode to each package base	1

Conditions

None

Feature Cross Reference

Program 20 : System Option Setup 20-44 : Watch Mode Setup

Level: IN

Description

Program

20

Input Data

ltem No.	ltem	Input Data	Description	Default
01	Internal Paging Group for Watch Message	0 ~ 32	Define Internal paging group number for Watching message.	0
02	External Paging Group for Watch Mes- sage	0~8	Define External paging group number for Watching message	0
03	VRS Message for Watch Mode	0 ~ 100	Define VRS number used for Watching message	0
04	Interval Timer for Watch Message	0 ~ 60	Define interval time for sending Watching message.	0

Use Program 20-44 : Watch Mode Setup to defines the watch mode.

Conditions

None

Feature Cross Reference

Program 20 : System Option Setup 20-45 : Remote Watch Setup

Level: IN

Description

Use Program 20-45 : Remote Watch Setup to defines the remote watch.

Input Data

	Terminal Num	lber	1~6	
ltem No.	ltem	Input Data	Description	Default
01	Ring Terminal for Re- mote Inspection	Extension Number (Up to 8 digits)	Extension number for Remote Inspection	No Setting
02	Ring Time Setting	0000 ~ 2359	Ringing start time for Inspected Extension	0000
03	Ring Timer	0 ~ 60	Ringing continue time for inspected extension	0
04	Auto Dial Number Area Setting	0 ~ 999	Speed dial number when detect no answer at extension and make emergency call	0
05	VRS Message for An- swer	0 ~ 100	VRS message number when inspected ex- tension answered	0
06	VRS Message for Au- to Dial	0 ~ 100	VRS message number when emergency call destination answered.	0
07	Time of Repeat Auto Dial	0 ~ 255	Repeat number for making emergency call.	0
08	Auto Dial Calling Time	0 ~ 3600	Calling continue time when making emer- gency call.	0
09	Interval of Auto Dial	0 ~ 3600		0

Conditions

None

Feature Cross Reference

None

20

Program 20 : System Option Setup 20-46 : Security Sensor Setup

Level: IN

Description

Program

20

Input Data

Security Sensor Number	1~6
------------------------	-----

Use Program 20-46 : Security Sensor Setup to defines the security sensor.

ltem No.	Item	Input Data	Description	Default
01	Sensor Mode	0 = Off 1 = On	Define door port (084M 3, 4) to use as Sensor.	0
02	Internal Paging Group for Warning Message	0 ~ 32	Define Internal paging group number for Warning message	0
03	Ring Timer	0~8	Define External paging group number for Warning message.	0
04	VRS Message for Warning	0 ~ 100	Define VRS number used for Warning message.	0
05	Auto Dial Number Area Setting	0 ~ 999	Define Speed dial number when sensor detects warning.	0
06	VRS Message for An- swer	0 ~ 100	Define VRS message number when emer- gency call destination answered.	0
07	Auto Dial Wait Timer	0 ~ 64800	Define wait time before making emergency auto dial.	30
08	Time of Repeat Auto Dial	0 ~ 255	Define repeat number for making emer- gency call.	3
09	Auto Dial Calling Time	0, 1 ~ 3600 0 = No Auto Dial	Define calling continue time when making emergency call.	30
10	Monitored Terminal	Extension Number (Up to 8 digits)	Define extension number for monitor from outside. IP terminal cannot set as moni- tored extension.	No Setting
11	Interval of Auto Dial	0 ~ 3600		0

Conditions

None

Feature Cross Reference

Program 20 : System Option Setup 20-47 : Time pattern setting for Watch Mode

Level: IN

Description

Use **Program 20-47 : Time pattern setting for Watch Mode** to defines the watch mode time pattern.

Input Data

	Time Pattern	01 ~ 08
--	--------------	---------

ltem No.	ltem	Input Data	Description	Default
01	Watch Mode Time Pattern	0 = Off 1 = On	Define watch mode on/off against time pat- tern 1-8	0

Conditions

None

Feature Cross Reference

Program 20 : System Option Setup 20-48 : Time pattern setting for Security Sensor

Level: <u>IN</u>

Description

Use **Program 20-48 : Time pattern setting for Security Sensor** to defines the Security Sensor time pattern.

Input Data

Program

20

Time Pattern			01 ~ 08	
		Description	Default	
No.	Item	Input Data	Description	Default
01	Security Sensor Time Pattern	0 = Off 1 = On	Define security sensor on/off against time pattern 1-8	0

Conditions

None

Feature Cross Reference

Program 20 : System Option Setup 20-49 : Caller ID Shared Group Basic Data Setup

Level: <u>IN</u>

Description

Use **Program 20-49 : Caller ID Shared Group Basic Data Setup** to defines the function mode for each Caller ID shared group.

Input Data

	Caller ID shared group Number		01 ~ 08			
Itom	Itom	Input Data		Description	Default	Polatad
No.	nem	input Data		Description	Delault	Program
01	Group Name	Maximum 12 charac- ters	Calle	r ID shared group Name	Group 1 = Group Name: Group 1 : Group 8 = Group Name: Group 8	15-02-67

Default

Group	Group Name
1	Group1
2	Group2
3	Group3
4	Group4
5	Group5
6	Group6
7	Group7
8	Group8

Conditions

None

Feature Cross Reference

Program 20 : System Option Setup 20-55 : Delay Timer for Security Sensor

Level:

<u>IN</u>

(This Program is available for V1.5 or higher)

Program

20

Description

Use **Program 20-55 : Delay Timer for Secuirty Sensor** to set time for Security to be operational. Once it reach the time the Security will starts if the Security sets manually.

Input Data

ltem No.	Item	Input Data	Default
01	Sensor delay timer	0 ~ 3600 (seconds) 0 = Sensor will start immediately	60

Conditions

None

Feature Cross Reference

Program 21 : Outgoing Call Setup 21-01 : System Options for Outgoing Calls

Level: IN

Description

Use **Program 21-01 : System Options for Outgoing Calls** to set the system options for Outgoing Call Service.

Input Data

ltem No.	ltem	Input Data	Description	Default	Related Program
01	Seizure Trunk Line Mode	0 = Priority Route 1 = Circular Route	Select the trunk based off the Trunk Route Priority (0) or based off the trunk that has not been used in the longest time (1).	0	14-05 14-06
02	Intercom Interdi- git Time	0 ~ 64800 seconds	When placing Intercom calls, exten- sion users must dial each digit in this time.	10	
03	Trunk Interdigit Time (External)	0 ~ 64800 seconds	The system waits for this time to ex- pire before placing the call in a talk state (Call Timer starts after time ex- pires, Voice Over and Barge-In is not allowed until after time expires).	5	14-02-08
04	Dial Tone Detec- tion Time	0 ~ 64800 seconds	If dial tone detection is enabled, the system waits this time for the Telco to return dial tone. When the time expires, the system assumes dial tone is not present. To disable this time (and have the system wait con- tinuously), enter 0.	5	14-02-05
05	Disconnect Time when Dial Tone not Detected	0 ~ 64800 seconds	If 14-02-11 is enabled, the system skips over a trunk if dial tone is not detected. This option pertains to calls placed using Speed Dial, ARS, Last Number Redial or Save Num- ber dialed. It does not pertain to line key or Direct Trunk Access calls.	3	
06	Dial Pause at First Digit	0 ~ 64800 seconds		1	
07	Toll Restriction Override Time	0 ~ 64800 seconds	After dialing the Toll Restriction Override codes, the system re- moves Toll Restriction from the ex- tension for this time.	10	20-08-06 21-07
08	Preset Dial Dis- play Hold Time	0 ~ 64800 seconds		10	
09	Ringdown Exten- sion Timer (Hot- line Start)	0 ~ 64800 seconds	A Ringdown extension automatically calls its programmed destination af- ter this time.	5	20-08-09 21-11

Program

Program

21

ltem No.	Item	Input Data	Description	Default	Related Program
10	Dial Digits for Toll Restriction Path	0~36	If this option is programmed with an entry other than 0, a call does not have a talk path unless the user di- als at least the number of digits en- tered in this option when placing an outgoing call. This means that an entry of 4 or higher in this program causes a problem when dialing 911 (USA on- ly). Since it is only a 3-digit number, the call does not have a talk path, preventing the emergency dispatch- er from hearing the caller. This op- tion should be kept at its default set- ting of 0 to prevent any problems with dialing 911 (USA only).	0	
11	Inter-Digit Time for Toll Restric- tion Path Control	0 ~ 60 seconds		0	
12	Dial E911 Rout- ing Without Trunk Access	0 = Trunk Access Code Required 1 = Trunk Access Code Not Required	If enabled (1), an extension user can dial 911 (USA only) without first dialing a trunk access code or pressing a line key. If disabled (0), an extension user must dial a trunk access code (e.g., 9) or press a line key before dialing 911 (USA only).	1	
13	Alarm Ring Tim- er (E911)	0, 1~ 64800 seconds (0 = Off)	Use this option to set the duration of the E911 Alarm Ring Time. If set for 0, the E911 Alarm does not ring.	0	11-12-56 20-08-16
14	Forced Account Code Inter-digit Timer	0 ~ 64800 seconds	If the user does not enter the ac- count code in the amount of time specified in this program the call will be restricted.	3	
15	Outgoing Disable on Incoming Line (Toll Restriction)	0 = Disable (Off) 1 = Enable (On)	Enable or disable the Outgoing Dis- able on Incoming Line feature.	0	15-01-05 21-01-16 21-01-17 80-03-01
16	Supervise Dial Detection Timer	0 ~ 64800 seconds	With the Outgoing Disable on In- coming Line feature, if dial tone is not detected after the extension an- swers an incoming line, the system determines the call is unable to complete and releases the DTMF receiver.	20	15-01-05 21-01-16 21-01-17 80-03-01
17	Restriction Digit in Outgoing Dis- able on Incoming Line	Digits 1 ~ 9	With the Outgoing Disable on In- coming Line feature, determine the number of digits to be dialed before the call should be disconnected.	4	15-01-05 21-01-15 21-01-16 80-03-01
18	Reset Dial After Failure of Trunk Access	0 = Disable (Off) 1 = Enable (On)	Enable (1) or Disable (0) the ability to continue to dial codes or exten- sions after receiving Trunk Busy. This needs to be set to Enabled (1) for the Forced Trunk Disconnect feature to work.	1	
19	Do-Not-Call-Set- up	0 = No service 1 = Extented common restriction		0	15-01-07
20	Caller ID Call- back with Home Area Code Mode (V4.0 Added)	0 = Disable 1 = Manual Call Back 2 = Automatic Call Back	0 = Disable (same as before R3) 1 = CID Call Back is manual 2 = Call Back is automatic based on the entries of the Home NPA, HNPA Exceptions, and Foreign NPA Locals	0	21-01-21 21-01-22 21-26-01 21-27-01 21-28-01

ltem No.	ltem	Input Data	Description	Default	Related Program
21	HNPA Exception Type (V4.0 Add- ed)	0 = Toll 1 = Local	Sets the exception of HNPA list.	0	21-01-20 21-01-22 21-26-01 21-27-01 21-28-01
22	10 Digit Local Calls (V4.0 Add- ed)	0 = 7 digits (without Area code) 1 = 10 digits (with Area Code)	Decide if the local call needs to dial with Area Code or not.	0	21-01-20 21-01-21 21-26-01 21-27-01 21-28-01

Conditions

None

Feature Cross Reference

Central Office Calls, Placing

21

Program 21 : Outgoing Call Setup 21-02 : Trunk Group Routing for Extensions

Level:

Description

Program

21

Use **Program 21-02 : Trunk Group Routing for Extensions** to assign Program 14-06 routes to extensions.

Input Data

Maximum eight digits
1 ~ 8

ltem No.	Item	Input Data	Default	Related Program
01	Route Table Number	0 ~ 25 0 = No Setting (Calls will not route.)	1	14-06 14-01-07

Conditions

None

Feature Cross Reference

Program 21 : Outgoing Call Setup 21-03 : Trunk Group Routing for Trunks

Level: IN

Description

Use **Program 21-03 : Trunk Group Routing for Trunks** to set the Trunk Route Table for Automatic External Call Forward. The Route Table is set in Program 14-06.

Input Data

Trunk Port Number	001 ~ 084
Day/Night Mode	1~8

ltem No.	Item	Input Data	Default	Related Program
01	Route Table Number	0 ~ 25 (0 = No Setting)	1	14-06 14-07-01

Conditions

None

Feature Cross Reference

Trunk Group Routing

Program 21 : Outgoing Call Setup 21-04 : Toll Restriction Class for Extensions

Level: <u>IN</u>

Description

Program

21

Use **Program 21-04 : Toll Restriction Class for Extensions** to assign a Toll Restriction class to an extension. The details of Toll Restriction are defined in Program 21-05 and 21-06.

A telephone and a trunk will have a Restriction Class. The higher class applies for outgoing calls.

Input Data

Extension Number	Maximum eight digits

1~8

ltem No.	Item	Input Data	Default	Related Program
01	Restriction Class	1 ~ 15 = Toll Class 1 ~ 15	2	14-01-08 21-05

Conditions

None

Feature Cross Reference
Program 21 : Outgoing Call Setup 21-05 : Toll Restriction Class

Level: IN

Description

Use Program 21-05 : Toll Restriction Class to set the system Toll Restriction classes (1 ~ 15).

Input Data

	Toll Restriction Class Number			1 ~ 15		
ltem No.	Item	Input Data		Description	Default	Related Program
01	International Call Restriction Table	0 = Unassign (No inter- national restrict table applied.) 1 = Assign (Table in PRG 21-06-01 is ap- plied.)	This Inter the T prog Call 21-0	option assigns/unassigns the national Call Restrict Table for foll Restriction Class you are ramming. Enter International Restrict Table data in Program 6-01.	Class No1, 6 ~ 15 : 0 Class No2 ~ 5 : 1	21-06-01
02	International Call Permit Code Ta- ble	0 = Unassign (No inter- national permit table applied.) 1 = Assign (Table in PRG 21-06-02 is ap- plied.)	This Inter the T prog Call 21-0	option assigns/unassigns the national Call Permit Table for Foll Restriction Class you are ramming. Enter International Permit Table data in Program 6-02.	Class No1, 3 ~ 15 : 0 Class No2 : 1	21-06-02
04	Maximum Num- ber of Digits Ta- ble Assignment	0 = No Table Applied $1 \sim 4 =$ Tables $1 \sim 4$ (Defined in PRG 21-06-03)	Sele 21-0 the n lowe	ct the table (defined in 6-03) to be used to determine naximum number of digits al- d for outgoing calls.	Class No1 ~ 2, 6 ~ 15 : 0 Class No3 : 1 Class No4 : 2 Class No5 : 3	21-06-03
05	Common Permit Code Table	0 = Unassign (No com- mon permit table ap- plied.) 1 = Assign (Table in PRG 21-06-04 is ap- plied.)	It cho by 2 ⁻ ferre	ooses whether the table set up 1-06-04 is referred to, or not re- d to.	Class No1, 8 ~ 15 : 0 Class No2 ~ 7 : 1	21-06-04
06	Common Re- striction Table	0 = Unassign (No com- mon restrict table ap- plied.) 1 = Assign (Table in PRG 21-06-05 is ap- plied.)	It cho by 2 ⁻ ferre	ooses whether the table set up 1-06-05 is referred to, or not re- d to.	Class No1, 6 ~ 15 : 0 Class No2 ~ 5 : 1	21-06-05
07	Permit Code Ta- ble	0 = No Permit Table Assigned $1 \sim 4$ = Permit Tables 1 ~ 4 (assigned in PRG 21-06-06)	Set t to the	he tables 1 ~ 4 when referring e table set up by 21-06-06.	Class No1 ~ 2, 6 ~ 15 : 0 Class No3 : 1 Class No4 : 2 Class No5 : 3	21-06-06
08	Restriction Table	0 = No Permit Table Assigned $1 \sim 4$ = Restrict Tables $1 \sim 4$ (assigned in PRG 21-06-07)	Set t to the	he tables 1 ~ 4 when referring e table set up by 21-06-07.	0	21-06-07

Program

21

lter No	n Item	Input Data	Description	Default	Related Program
09	Restriction for Common Speed Dials	0 = Does Not Restrict 1 = Following Restric- tion Check	Use this option to enable/disable Toll Restriction for Common Speed Dialing numbers. If enabled, System Speed Dialing numbers have the same restrictions as manually dialed numbers.	0	
10	Restriction for Group Speed Di- als	0 = Does Not Restrict 1 = Following Restric- tion Check	Use this option to enable/disable Toll Restriction for Group Speed Di- aling numbers. If enabled, Group Speed Dialing numbers have the same restrictions as manually dialed numbers.	0	
11	Intercom Call Re- striction	0 = Disable (ICM call not restricted.) 1 = Enable (ICM call re- stricted.)	Determine if incoming intercom calls are restricted.	0	
12	PBX Call Restric- tion	0 = Disable (PBX/CTX call not restricted.) 1 = Enable (PBX/CTX call restricted.)	Use this option to set how the sys- tem Toll Restricts calls over PBX trunks. If you enable PBX Toll Re- striction, the system begins Toll Re- striction after the PBX access code. The user cannot dial a PBX exten- sion. If you disable PBX Toll Restric- tion, the system only restricts calls that contain the PBX access code. The system does not restrict calls to PBX extensions. Refer to the PBX compatibility feature. Make sure Program 21-05-04 (Maximum Num- ber of Digits Table Assignment) al- lows for PBX Toll Call Dialing (nor- mally 12 digits).	Class 1 ~ 6 = 0 Class 7 = 1 Class 8 ~ 15 = 0	
13	Restriction of Tie Line Calls	0 = Disable (No) 1 = Enable (Yes)	It chooses whether the toll restric- tion of the dial set up by 34-08 is en- abled or disabled.	0	34-08

Conditions

None

Feature Cross Reference

Program 21 : Outgoing Call Setup 21-06 : Toll Restriction Table Data Setup

Level: IN

Description

Use **Program 21-06 : Toll Restriction Table Data Setup** to set the system Toll Restriction data. Dial $1 \sim 9, 0, *, #$ can be entered in each table.

Input Data

ltem No.	ltem	Table	Input Data	Default
01	International Call Restriction Table This option lets you program the Restrict Ta- ble for international calls. The system has 10 International Call Restrict Tables. Each entry can have up to four digits.	[caption: table] 1 ~ 10	Dial (Up to four digits)	Tables 1 ~ 10 = No Set- ting
02	International Call Permit Code Table This option lets you program the Permit Ta- ble for international calls. The system has 20 International Call Permit Tables. Each entry can have up to six digits.	[caption: table] 1 ~ 20	Dial (Up to six dig- its)	Tables 1 ~ 20 = No Set- ting
03	Maximum Number Digits Table Assign- ment This option selects the maximum number of digits allowed in outgoing calls for each ta- ble.	[caption: table] 1 ~ 4	4 ~ 30	Tables 1 ~ 4 = 30
04	Common Permit Code Table This option lets you program the Common Permit Code Table. This table contains up to 10 codes you com- monly allow users to dial.	[caption: table] 1 ~ 10	Dial (Up to four digits)	Table 1 = 911 Table 2 = 1800 Table 3 = 1888 Table 4 =1822 Table 5 = 1833 Table 6 =1844 Table 7 = 1855 Table 8 = 1866 Table 9 = 1877 Table 10 = No Setting
05	Common Restriction Table This option lets you program the Common Restrict Code Table. This table contains up to 10 codes you com- monly prevent users from dialing.	[caption: table] 1 ~ 10	Dial (Up to 12 dig- its)	Table 1 = 900 Table 2 = 1900 Table 3 = 976 Tables 4 ~ 10 = No set- ting
06	Permit Code Table This option lets you program the Permit Code Tables. If the system has Toll Restriction enabled, users can dial numbers only if permitted by these tables and the Common Permit Table (21-06-04). There are four Permit Code Tables, with up to 200 entries in each table. The system permits calls exactly as you en- ter the code.	[caption: table] 1 ~ 4 (table) 001 ~ 200 (Entry)	Dial (Up to 12 dig- its)	Tables 1 ~ 4 = No Setting

Program

21

lter No	n Item	Table	Input Data	Default
07	Deny Restriction TableThis option lets you program the RestrictCode Tables.If the system has Toll Restriction enabled,users cannot dial numbers listed in these ta-bles.There are four Restrict Code Tables, with upto 60 entries in each table.The system restricts calls exactly as you en-ter the code.	[caption: table] 1 ~ 4 (table) 1 ~ 60 (Entry)	Dial (Up to 12 dig- its)	Tables 1 ~ 4 = No Setting
80	 PBX Access Code Use this option to enter the PBX Access Code. When the system is behind a PBX, this is the code users dial to access a PBX trunk. Toll Restriction begins after the PBX access code. For PBX trunks (Program 14-04) the system only Toll Restricts calls that contain the access code. Always program this option when the system is behind a PBX, even if you don't want to use Toll Restriction. PBX Access Codes can have up to two digits, using 0-9, #, * and LINE KEY 1 (don't care). When using Account Codes, do not use an asterisk in a PBX access code. Otherwise, after the *, the trunk stops sending digits to the central office. Entries 1~4 correspond to the 4 PBX Access Codes. Each code can have up to two digits.	[caption: table] 1 ~ 4	Dial (Up to two digits)	Tables 1 ~ 4 = No Setting
09	Specific Dial Outgoing Code	[caption: table] 1 ~ 20	Dial (Up to eight digits)	Tables 1 ~ 20 = No Set- ting
10	Outgoing Call Code Setup	[caption: table] 1 ~ 20	Dial (Up to four digits)	Tables 1 ~ 20 = No Set- ting

Conditions

None

Feature Cross Reference

Program 21 : Outgoing Call Setup 21-07 : Toll Restriction Override Password Setup

Level: SA

Description

Use **Program 21-07 : Toll Restriction Override Password Setup** to assign Toll Restriction Override codes to extension ports. Each code must have four digits, using any combination of $0 \sim 9$, # and *. Each extension can have a separate code, or many extensions can share the same override code.

Input Data

Extension Number	Maximum eight digits

ltem No.	Item	Input Data	Default	Related Program
01	Password	Four Digits (Fixed)	No Setting	21-01-07 20-08-06

Conditions

None

Feature Cross Reference

None

21

Program 21 : Outgoing Call Setup 21-08 : Repeat Dial Setup

Level: IN

Description

Program

21

Input Data

ltem No.	ltem	Input Data	Description	Default
01	Repeat Redial Count	0 ~ 255	Sets how many times a Repeat Redial automatically repeats if the call does not go through.	3
02	Repeat Redial Interval Time	0 ~ 64800 seconds	Set the time between Repeat Redial at- tempts.	60
03	Repeat Dial Calling Timer	0 ~ 64800 seconds	After dialing the trunk call, Repeat Redial maintains the call after this time. After this time, the system terminates the call, waits the Repeat Redial Time (Timer 02) and tries again.	30
04	Time for Send Busy Tone for ISDN Trunk	0 ~ 64800 seconds	Sets the time (sec) to send out Busy Tone with an ISDN line, when called party is busy.	0

Use **Program 21-08 : Repeat Dial Setup** to define the automatic Repeat Dial data.

Conditions

None

Feature Cross Reference

Program 21 : Outgoing Call Setup 21-09 : Dial Block Setup

Level: IN

Description

Use **Program 21-09 : Dial Block Setup** to define the Dial Blocking Toll Restriction Class and Dial Block Password to be used by the Supervisor extension.

Input Data

ltem No.	Item	Input Data	Description	Default
01	Toll Restriction Class With Dial Block	1 ~ 15	Assign a Toll Restriction Class of Service when the Dial Block feature is used.	15
02	Supervisor Password	0 ~ 9,*, # (4-digit fixed)	Assign a 4-digit password to be used by the supervisor to enable or disable Dial Block for other extensions.	No Setting

Conditions

• This function works by password and Class of Service control (the supervisor is not an assigned extension). If Dial Block is available for all Classes of Service, everyone may become a supervisor if they know the Dial Block password.

Feature Cross Reference

None

Program

Program 21 : Outgoing Call Setup 21-10 : Dial Block Restriction Class Per Extension

Level: <u>IN</u>

Description

Program

21

Use **Program 21-10 : Dial Block Restriction Class Per Extension** to define the Toll Restriction Class to each extension when the extension is set for Dial Block Restriction. If this data is 0, Toll Restriction Class follows Program 21-09-01.

Input Data

Extension Number	Maximum eight digits

ltem No.	Item	Input Data	Default
01	Toll Restriction Class	0, 1 ~ 15 (0 = No Setting)	0

Conditions

None

Feature Cross Reference

Program 21 : Outgoing Call Setup 21-11 : Extension Ringdown (Hotline) Assignment

Level:

Description

Use **Program 21-11 : Extension Ringdown (Hotline) Assignment** to define the Hotline destination number for each extension number.

Input Data

	Extension Number	Maximum	eight digits	
Item Item Input Da		Input Data	Default	Related
NO.				Program
01	Hotline Destination Number	$1 \sim 0, *, #$, Pause, Hook Flash, @ (Code to wait for answer supervision) (maximum 36 digits)	No Setting	20-08-09 21-01-09

Conditions

• The @ code is used to make an outbound call automatically to a DISA Trunk or to VM Auto Attendant. This code can only be used on ISDN outbound calls. Internal calls and analog outbound calls are not supported.

Feature Cross Reference

• Ringdown Extension (Hotline), Internal/External

Program

Program 21 : Outgoing Call Setup 21-12 : ISDN Calling Party Number Setup for Trunks

Level: <u>IN</u>

Description

Program

Use **Program 21-12 : ISDN Calling Party Number Setup for Trunks** to assign Calling Party Numbers for each trunk (maximum 16 digits per entry). When a call is made by an extension which does not have an Extension Calling Number assigned (Program 21-13), the system sends the calling number for the ISDN trunk defined in 21-12.

21

If the Calling Party Number is assigned in both Programs 21-12 and 21-13, the system sends the data in Program 21-13.

Input Data

Trunk Port Number			001 ~ 084	
Item Item Input Data Description			Description	Default
01	Calling Party Number Data	Maximum of 16 digits (0 ~ 9, *, #) Most Telco's will only ac- cept 10 digits.	This program is used to assign a calling party number per trunk. If CPN information is programmed on both the trunk and station when a call is made the CPN from the station will be sent to the Telco.	No Setting

Conditions

None

Feature Cross Reference

ISDN Compatibility

Program 21 : Outgoing Call Setup 21-13 : ISDN Calling Party Number Setup for Extensions

Level:

Description

Use **Program 21-13 : ISDN Calling Party Number Setup for Extensions** to assign each extension a Calling Party Number (maximum 16 digits per entry). The calling number is the subscriber number of the dial-in number. When a call is made by an extension which does not have an Extension Calling Number assigned (Program 21-13), the system sends the calling number for the ISDN trunk defined in Program 21-12.



ſ

If a Calling Party Number is assigned in both Programs 21-12 and 21-13, the system sends the data in Program 21-13.

21

Program



Extension Number			Maximum eight digits	
			-	
ltem No.	Item	Input Data	Description	Default

No.				
01	Calling Party Number Data	Maximum of 16 digits (0 ~ 9, *, #) Most Telco's will only ac- cept 10 digits.	This program is used to assign a calling party number per station. If CPN information is programmed on both the trunk and station when a call is made the CPN from the station will be sent to the Telco.	No Setting

Conditions

None

Feature Cross Reference

· ISDN Compatibility

Program 21 : Outgoing Call Setup 21-14 : Walking Toll Restriction Password Setup

Level: <u>SA</u>

Description

Program

21

Use **Program 21-14 : Walking Toll Restriction Password Setup** to assign the password and Toll Restriction Class for Walking Toll Restriction. Each code has six digits, using any combination of $0 \sim 9$, # and *.

Input Data

ID Table Number 1 ~	500 (V6.0 Changed)
---------------------	--------------------

ltem No.	Item	Input Data	Default
01	User ID	Dial (Six digits)	No Setting
02	Walking Toll Restriction Class Number	1 ~ 15	1

Conditions

None

Feature Cross Reference

Code Restriction/Toll Restriction

Program 21 : Outgoing Call Setup 21-15 : Individual Trunk Group Routing for Extensions

Level: <u>IN</u>

Description

Use **Program 21-15 : Individual Trunk Group Routing for Extensions** to designate the alternate trunk access route accessed when a user dials the Alternate Trunk Route Access Code. Refer to Program 11-09 : Trunk Access Code on page 2-68 when setting up alternate trunk codes. Refer to 14-06 : Trunk Group Routing on page 2-117 to set up the trunk routes. When entering data for this option, enter the route number or 0 to prevent routing.

Program

Input Data

Extension Number	Maximum eight digits	

1~8

ltem No.	Item	Input Data	Description	Default
01	Route Table Number	0 ~ 25 0 = No Setting (Calls will not route.)	This assigns extensions per day/night mode to a route table (PRG 14-06-01). This program follows the special trunk ac- cess code from PRG 11-01-01 and 11-09-02.	0

Conditions

None

Feature Cross Reference

Day/Night Mode

· Central Office Calls, Placing

Program 21 : Outgoing Call Setup 21-16 : Trunk Group Routing for Networking

Level:

<u>IN</u>

Program

(This Program is available for V1.5 or higher)

Description

Use **Program 21-16 : Trunk Group Routing for Networking** to assign Program 14-06 routes for a networked system. This is required to seize the trunk in a networked system (Extension in System A tries to make an external call using a trunk in System B).

The route number is specified for each system ID (01 ~ 04).

Input Data

S	/stem ID
0	

01 ~ 04

1~8

Day/Night Mode

ltem No.	Item	Input Data	Description	Default	Related Program
01	Route Table Number	0 ~ 25 0 = No Setting (Calls will not route.)	If a call comes in from across the network, this program determines the route table (PRG 14-06-01) that will be accessed in the local system.	1	14-06-01

Conditions

None

Feature Cross Reference

SL-Net

Program 21 : Outgoing Call Setup

21-17 : IP Trunk (SIP) Calling Party Number Setup for Trunk

Level: IN

Description

Use **Program 21-17 : IP Trunk (SIP) Calling Party Number Setup for Trunk** set the SIP calling party number for individual trunks.

Input Data

Trunk Port Number		001 ~ 084			
ltem No.	Item		Input Data	Default	Related Program
01	Calling Party Number (V2.0 Changed)	Up to 16 digits (1 ~ 0, *, #)		No Setting	15-01-04 20-08-13

Conditions

None

Feature Cross Reference

Program 21 : Outgoing Call Setup 21-19 : IP Trunk (SIP) Calling Party Number Setup for Extension

Level: <u>IN</u>

Program Description

21

Use **Program 21-19 : IP Trunk (SIP) Calling Party Number Setup for Extension** to set the SIP calling party number for an individual extension.

Input Data

Extension Number	Up to eight digits
Profile (V5.0 Added)	1~2

ltem No.	Item	Input Data	Default	Related Program
01	Calling Party Number	Up to 16 Digits (1 ~ 0, *, #)	No Setting	15-01-04 20-08-13

Conditions

None

Feature Cross Reference

Program 21 : Outgoing Call Setup

21-20 : SIP Trunk Call Discernment Setup for Extension

Level: SB

Description

Use **Program 21-20 : SIP Trunk Call Discernment Setup for Extension** to set the SIP Trunk Call Discernment.

Input Data

Extension Number			Up to eight digits		
ltem No.	Item		Input Data	Default	
01	Discernment Tone	0 = Off 1 = On		1	

Conditions

None

Feature Cross Reference

Program 21 : Outgoing Call Setup 21-21 : Toll Restriction for Trunks (Seized Trunk Basis Setting)

Level:
IN

Program

21

Description

Use **Program 21-21 : Toll Restriction for Trunks (Seized Trunk Basis Setting)** to define the toll restriction class to each trunk. The details of toll restriction are defined by Programs 21-05 and 21-06.

This program is compared to Station Restriction Class. The higher class is applied.

Input Data

Trunk Port Number

001 ~ 084

Day/Night Mode

1 ~ 9 (9 = Power Failure mode)

ltem No.	ltem	Input Data	Description	Default	Related Program
01	Restriction Class	1 ~ 15 = Toll Class 1 ~ 15	Per Day/Night Mode assign a toll re- striction class to each trunk. It is recommended to not use class 2, because by default all stations are assigned in class 2.	1	14-01-08 21-05

Conditions

None

Feature Cross Reference

Program 21 : Outgoing Call Setup

21-22 : CO Message Waiting Indication - Call Back Settings

Level: IN

Description

Use **Program 21-22 : CO Message Waiting Indication - Call Back Settings** to define the settings of CO Message Waiting Indication.

Input Data

Trunk Port Number			001 ~ 084	
ltem No.	Item	Input Data	Description	Default
01	CO MWI Call Back En- abling	0 = No VMWI Service 1 = Enable VMWI Serv- ice	Enable or Disable CO MWI Call Back.	0
02	CO MWI Call Back Number Area Setting	0 ~ 999	Define the Speed Dial Bin number for MWI Call Back.	999

Conditions

None

Feature Cross Reference

Program 21 : Outgoing Call Setup 21-26 : Home NPA Setup

Level:

<u>IN</u>

(This Program is available for V4.0 or higher)

21-01-20 needs to set to 2: Automatic Call Back.

Program

21

Description

Input Data

Use Program 21-26 : Home NPA Setup to set the home NPA dial. Order to use this program PRG

Index	1 ~ 16

ltem No.	ltem	Input Data	Description	Default	Related Program
01	Home NPA	Up to 3 digits (0 ~ 9, *) * = Wild Card	Set the NPA (Home Area Code) If using wild card "*" make sure it is 3 digits (Example: 1**)	None	21-01-20 21-01-21 21-01-22 21-27-01 21-28-01

Conditions

None

Feature Cross Reference

Program 21 : Outgoing Call Setup 21-27 : HNPA Exceptions Setup

Level: IN

(This Program is available for V4.0 or higher)

Description

Use **Program 21-27 : HNPA Exceptions Setup** to set the dial number sent. Order to use this program PRG 21-01-20 needs to set as 2: Automatic Call Back.

21

Input Data

Index	1 ~ 96

ltem No.	ltem	Input Data	Description	Default	Related Program
01	HNPA Excep- tions	Up to 6 digits (0 ~ 9, *) * = Wild Card	It is a 6 digits starting with Area Code which you want to have an ex- ception to it. <i>If using wild card "*" make sure</i> <i>it is 6 digits (Example: 123***)</i>	None	21-01-20 21-01-21 21-01-22 21-26-01 21-28-01

Conditions

None

Feature Cross Reference

Program 21 : Outgoing Call Setup 21-28 : Foreign NPA Locals Setup

Level:

<u>IN</u>

(This Program is available for V4.0 or higher)

Program

21

Use **Program 21-28 : Foreign NPA Locals Setup** to set the dial number sent. Order to use this program PRG 21-01-20 needs to set as 2: Automatic Call Back.

Input Data

Description

System Number			1~	96	
ltem No.	ltem	Input Data	Description	Default	Related Program
01	Foreign NPA Ex- ceptions	Up to 6 digits (0 ~ 9, *) * = Wild Card	Foreign NPA Locals, this is used to make exceptions of some area code office code combinations that are not within your home area code but may be dialed as a local call (Such as Metro-Lines)	None	21-01-20 21-01-21 21-01-22 21-26-01 21-27-01

Conditions

None

Feature Cross Reference

Program 22 : Incoming Call Setup 22-01 : System Options for Incoming Calls

Level: IN

Description

Use Program 22-01 : System Options for Incoming Calls to define the system options for incoming calls.

Input Data

ltem No.	ltem	Input Data	Description	Default	Related Program
01	Incoming Call Priority	0 = Intercom Call Priori- ty 1 = Trunk Call Priority	Use this option to determine if Inter- com calls or trunk calls have answer priority when both are ringing simul- taneously.	1	15-02-22
02	Incoming Call Ring No Answer Alarm	0 = Disable (Off) 1 = Enable (On)	If enabled, an incoming call that rings longer than the Ring No An- swer Alarm interval (22-01-03), changes to a unique ring cadence to indicate that the call has been ring- ing too long. If disabled, this does not occur.	0	22-01-03 22-01-04
03	Ring No Answer Alarm Time	0 ~ 64800 seconds	If a trunk rings a multiline telephone longer than this interval, the system changes the ring cadence. This indi- cates to the user that the call has been ringing too long.	60	22-01-02
04	DIL No Answer Recall Time	0 ~ 64800 seconds 0 = No Overflow	A DIL that rings its programmed destination longer than this interval diverts to the DIL No Answer Ring Group (set in Program 22-08).	0	
06	DID Ring-No-An- swer Time	0 ~ 64800 seconds	In systems with DID Ring-No-An- swer Intercept, this sets the Ring- No-Answer time. This time is how long a DID call rings the destination extension before rerouting to the in- tercept ring group.	20	22-12
07	DID Incoming Ring Group No Answer Time	0 ~ 64800 seconds		20	
08	DID Pilot Call No Answer Time	0 ~ 64800 seconds		60	
09	DID to Trunk to Trunk no answer timer	0 ~ 64800 seconds		20	
10	VRS Waiting Message Opera- tion	0 = Automatic Opera- tion 1 = Manual Operation	Set up the operation mode for Auto Attendant and Queuing Message.	0	22-14 22-15 22-08 22-04 22-01-04 20-15-11 15-07

ltem No.	ltem	Input Data	Description	Default	Related Program
11	VRS Waiting Message Interval Time	0 ~ 64800 seconds	Setup the sending duration time of the Auto - Attendant & Queuing. The message is repeatedly sent out during the specified time.	20	22-14-06 22-15-06 41-11-06
12	Mobile Extension answer time	0~ 64800 seconds		3	15-22-04

Conditions

Program None

22

Feature Cross Reference

Central Office Calls, Answering

Program 22 : Incoming Call Setup 22-02 : Incoming Call Trunk Setup

Level: IN

Description

Use **Program 22-02 : Incoming Call Trunk Setup** to assign the incoming trunk type for each trunk. There is one item for each Night Service Mode.

Input Data

Trunk Port Number	001 ~ 084
Day/Night Mode	1~8

ltem No.	Item	Input Data	Description	Default	Related Program
01	Incoming Type	0 = Normal 1 = VRS (second dial tone if no VRS instal- led) 2 = DISA 3 = DID 4 = DIL 5 = E&M Tie line 6 = Delayed VRS 7 = ANI/DNIS 8 = DID (DDI) Mode Switching	Use this option to set the feature type for the trunk you are program- ming.	0	14-04

Conditions

- When connecting to T1 trunks, after changing Program 22-02-01 to match the Telco connected T1 service type, the T1 cable or the T1 unit must be unplugged and then reconnected for the T1 unit to sync.
- When the trunk type is set to 3 (DID), the DID Transfer to Destination in 22-11-04 for each DID feature is not supported. This feature is supported only for DID trunks when assigned as VRS.
- When the trunk type is set to 3 (DID), the DID Intercept Destination feature for each DID is not supported. This feature is supported only for DID trunks assigned as VRS.

Feature Cross Reference

Central Office Calls, Answering

Program 22 : Incoming Call Setup 22-03 : Trunk Ring Tone Range

Level: IN

Description

Program

22

Use **Program 22-03 : Trunk Ring Tone Range** to select the ring tone range for the trunk. The trunk uses a ring tone in the range selected when it rings an extension. Eight ring tones are available. Customize the Trunk Ring Tones in Program 82-01.

Input Data

Trunk Port Number	001 ~ 084

ltem No.	ltem	Input Data	Description	Default	Related Program
01	Ring Tone Pat- tern	0 = Ring Tone Pattern 1 1 = Ring Tone Pattern 2 2 = Ring Tone Pattern 3 3 = Ring Tone Pattern 4 4 = Melody 1 5 = Melody 2 6 = Melody 3 7 = Melody 4 8 = Melody 5 9 = Ring Tone Pattern 5 (V3.0 Added) 10 = Ring Tone Pattern 6 (V3.0 Added) 11 = Ring Tone Pattern 7 (V3.0 Added) 12 = Ring Tone Pattern 8 (V3.0 Added)	Use this program to select the ring tone range for the trunk. The trunk uses a ring tone in the range selec- ted when it rings an extension. Four Ring Tones are available (V2.0 or lower). Eight Ring Tones are available (V3.0 or higher).	0	15-02

Table 2-6 Program 22-03 - Incoming Signal Frequency Patterns

Incoming Signal Frequency Pattern	Туре	Frequency 1	Frequency 2	Modulation
Pattern 1	High	1100Hz	1400Hz	16Hz
	Middle	660Hz	760Hz	16Hz
	Low	520Hz	660Hz	16Hz
Pattern 2	High	1100Hz	1400Hz	8Hz
	Middle	660Hz	760Hz	8Hz
	Low	520Hz	660Hz	8Hz
Pattern 3	High	2000Hz	760Hz	16Hz
	Middle	1400Hz	660Hz	16Hz
	Low	1100Hz	540Hz	16Hz
Pattern 4	High	2000Hz	760Hz	8Hz
	Middle	1400Hz	660Hz	8Hz
	Low	1100Hz	540Hz	8Hz
Pattern 5 (V3.0 Added)	High	1400Hz	540Hz	16Hz
	Middle	760Hz	540Hz	16Hz
	Low	660Hz	540Hz	16Hz

Incoming Signal Frequency Pattern	Туре	Frequency 1	Frequency 2	Modulation
Pattern 6 (V3.0 Added)	High	1400Hz	540Hz	8Hz
	Middle	760Hz	540Hz	8Hz
	Low	660Hz	540Hz	8Hz
Pattern 7 (V3.0 Added)	High	2000Hz	1100Hz	16Hz
	Middle	2000Hz	540Hz	16Hz
	Low	1100Hz	760Hz	16Hz
Pattern 8 (V3.0 Added)	High	2000Hz	1100Hz	8Hz
	Middle	2000Hz	540Hz	8Hz
	Low	1100Hz	760Hz	8Hz

Conditions

None

Feature Cross Reference

Selectable Ring Tones

Program

22

Program 22 : Incoming Call Setup 22-04 : Incoming Extension Ring Group Assignment

Level: <u>SA</u>

Description

Program

22

Use **Program 22-04 : Incoming Extension Ring Group Assignment** to assign extensions to Ring Groups. Calls ring extensions according to Ring Group programming. Use Program 22-05 to assign trunks to Ring Groups and use Program 22-06 to set the ringing for the phones. An Incoming Ring Group (IRG) can have up to 32 extension numbers assigned.

There are 25 available Ring Groups.

Input Data

Incoming Ring Group Number 01 ~ 25

ltem No.	ltem	Input Data	Description	Default	Related Program
01	Extension Num- ber	Maximum eight Digits	Use this program to assign exten- sions (up to 32) to Ring Groups. Calls ring extensions according to Ring Group programming.	Group01 has 101, 102, 103, 104, 105, 106, 107, and 108 (First 8 ports ringing)	22-02 22-05 22-06

Conditions

None

Feature Cross Reference

• Ring Groups

Program 22 : Incoming Call Setup 22-05 : Incoming Trunk Ring Group Assignment

Level: IN

Description

Use **Program 22-05 : Incoming Trunk Ring Group Assignment** to assign trunks to incoming Ring Groups. There are 25 available Ring Groups.

Input Data

Trunk Port Number	001 ~ 084
Day/Night Mode	1~8

ltem No.	ltem	Input Data	Description	Default	Related Program
01	Incoming Group Number (V1.5 Changed)	0 = No Setting 01 ~ 25 = Incoming Ring group 102 = VM 103 = Centralized VM	Use this program to assign Normal Ring Trunks (22-02) to Incoming Ring Groups (22-04).	1	22-04 22-06

Conditions

None

Feature Cross Reference

Ring Groups

Program 22 : Incoming Call Setup 22-06 : Normal Incoming Ring Mode

Level: IN

Description

for the Normal Incoming Ring Mode.

Program

22

Input Data

Extension Number Maximum eight digits	
Day/Night Mode	1 ~ 8

Use Program 22-06 : Normal Incoming Ring Mode to define whether or not an extension should ring

ltem No.	Item	Input Data	Default	Related Program
01	Incoming Group Number	0 = No Ring 1 = Ring	1	22-04 22-05

Conditions

None

Feature Cross Reference

Central Office Calls, Answering

Program 22 : Incoming Call Setup 22-07 : DIL Assignment

Level: IN

Description

Use **Program 22-07 : DIL Assignment** to assign the destination extension or Department Calling Group for each DIL Incoming trunk. A DIL rings an extension directly, without any other Access Map or Ring Group programming. If an extension has a line key, the DIL rings the line key. Use Program 22-02 to designate a trunk as a DIL. You can make eight DIL assignments, one for each Night Service mode. Program

22

Input Data

Trunk Port Number	001 ~ 084
Day/Night Mode	1~8

ltem No.	Item	Input Data	Description	Default
01	Number of Transfer- ring Destination	Maximum of 8 digits (0 ~ 9, *, #)	Assign extension or department group number for DIL trunk.	No Setting

Conditions

• Program 22-02 must be set to four for the trunk.

Feature Cross Reference

• Direct Inward Line (DIL)

Program 22 : Incoming Call Setup 22-08 : DIL/IRG No Answer Destination

Level: IN

Description

Program

22

For DIL Delayed Ringing, use **Program 22-08 : DIL/IRG No Answer Destination** to assign the DIL No Answer Ring Group. An unanswered DIL rings this group after the DIL No Answer Time expires (Program 22-01-04). DIL Delayed Ringing can also reroute outside calls ringing a Ring Group. Make eight assignments, one for each Night Service mode.

Input Data

Trunk Port Number	001 ~ 084

Day/Night Mode

1~8

ltem No.	ltem	Input Data	Default
01	Incoming Group Number (V1.5 Changed)	0 = No Setting 01 ~ 25 = Incoming Ring group 102 = VM 103 = Centralized VM	Group01 has 101, 102, 103, 104, 105, 106, 107, and 108 (First 8 ports ringing)

Conditions

None

Feature Cross Reference

- Direct Inward Line (DIL)
- Ring Group

Program 22 : Incoming Call Setup 22-09 : DID Basic Data Setup

Level: IN

Description

Use **Program 22-09 : DID Basic Data Setup** to define the basic setting of Dial-In incoming calls for each trunk group.

Input Data

	Trunk Group Nu	umber	01 ~ 25	
ltem No.	ltem	Input Data	Description	Default
01	Expected Number of Digits	1~8	Enter the number of digits the table expects to receive from the Telco. Use this program to make the system compatible with 3- and 4-digit DID service. If ISDN trunks, we analyze the last digits that are set here. If it is T-1 or analog DID, it analyzes the first digits that are assigned here.	4
02	Received Vacant Number Operation	0 = Disconnect (call de- nied) 1 = Transfer (call routed to PRG 22-12)	If the system receives a DID that is not routed this program sets what the system does with the call. If the setting data is a (0), Disconnect, the system will deny the call. If the setting data is a (1), Transfer, the call will be routed to the ring group specified in PRG 22-12-01.	0
03	Sub-Addressing Mode	0 = Extension # Specify (Intercom) 1 = DID Conversion Ta- ble		0
04	DID Receiving Mode for ISDN	0 = Enbloc Receiving 1 = Overlap Receiving		0
05	Local Code Digits	0 ~ 15 (0 = No Local Code)	(Only Overlap Receiving Mode)	0
06	Local Code	Dial (maximum 16 digits)	(Only Overlap Receiving Mode)	No Setting
07	Pilot Code	Dial (1 digit : 0 ~ 9)	(Only Overlap Receiving Mode)	No Setting
08	T302 Time-out Opera- tion	0 = Disconnect (Cut) 1 = Transfer (Refer to Program 22-12 : DID In- tercept Ring Group.)	(Only Overlap Receiving Mode)	0

Conditions

Feature Cross Reference

• Direct Inward Dialing (DID)

Program



Program 22 : Incoming Call Setup 22-10 : DID Translation Table Setup

Level: IN

Description

Use **Program 22-10 : DID Translation Table Setup** to specify the size of the DID Translation Tables. There are 800 (V1.5 or higher) Translation Table entries that you can allocate among 20 Translation Tables.

Input Data

Conversion Table Area Number	01 ~ 20

ltem No.	Item	Input Data	Default
01	1st Area Setup (Start Address)	0~800	Refer below
	1st Area Setup (End Address)	(0 = No Setting)	
	2nd Area Setup (Start Address)		
	2nd Area Setup (End Address)		

Default

Conversion Ta-	1st		2nd	
ble Area	Start Table	End Table	Start Table	End Table
1	1	200	0	0
2	201	400	0	0
3	401	600	0	0
4	601	800	0	0
5	0	0	0	0
:	:	:	:	:
20	0	0	0	0

Conditions

None

Feature Cross Reference

• Direct Inward Dialing (DID)

Program

22

Program 22 : Incoming Call Setup 22-11 : DID Translation Number Conversion

Level: SA

Description

Use **Program 22-11 : DID Translation Number Conversion** to specify for each Translation Table entry (800).

- · The digits received by the system (eight maximum)
- The extension the system dials after translation (36 digits maximum)
- The name that should show on the dialed extension display when it rings (12 characters maximum)
- The Transfer Target 1 and 2

If the Transfer Targets are busy or receive no answer, those calls are transferred to the final transfer destination (Program 22-10).

Operation Mode

Use the following chart when entering and editing text for names. Press the key once for the first character, twice for the second character, etc. For example, to enter a C, press 2 three times.

Key for Entering Names		
When entering names in the procedures below, refer to this chart. Names can have up to 12 digits.		
Use this keypad digit	When you want to	
1	Enter characters: 1 @ [¥] ^ _ ` { } →← Á À Â Ã Å Æ Ç É Ê ì ó 0	
2	Enter characters: A-C, a-c, 2.	
3	Enter characters: D-F, d-f, 3.	
4	Enter characters: G-I, g-i, 4.	
5	Enter characters: J-L, j-I, 5.	
6	Enter characters: M-O, m-o, 6.	
7	Enter characters: P-S, p-s, 7.	
8	Enter characters: T-V, t-v, 8.	
9	Enter characters: W-Z, w-z, 9.	
0	Enter characters: 0 ! " # \$ % & ' () ô õ ú å ä æ ö ü α ε θ Β	
*	Enter characters: * + , / : ; < = > ? $\pi \Sigma \sigma \Omega \propto \mathfrak{E}$	
#	# = Accepts an entry (only required if two letters on the same key are needed - ex : TOM). Pressing # again = Space. (In system programming mode, use the right ar- row soft key instead to accept and/or add a space.)	
Clear/Back	Clear the character entry one character at a time.	
Flash	Clear all the entries from the point of the flashing cursor and to the right.	

Input Data

Conversion Table Number	001 ~ 800

22

Program
ltem No.	Item	Input Data	Description	Default
01	Received Number	Maximum eight digits (0 ~ 9, *, #)	This is the received DID digits.	No Setting
02	Target Number	Maximum 36 digits (0 ~ 9, *, #, @)	Enter the destination number to which the DID number is sent.	No Setting
03	DID Name	Maximum 12 characters	This is the name that is assigned to the DID digits when it rings the extension.	No Setting
04	Transfer Operation Mode	0 = No Transfer 1 = Busy 2 = No Answer 3 = Busy/No Answer	The transfer operation mode allows DID calls to have more routing options than just the target number. If the transfer operation mode is set to "No Transfer" calls will only be delivered to the Target Number speci- fied in PRG 22-11-02. If set to one of the three other modes, it will follow that mode through all assigned transfer destinations.	
05	Transfer Destination Number 1	0 = No setting 01 ~ 25 = Incoming Ring Group 102 = VM 103 = Centralized VM (V1.5 Added) 201 ~ 232 = Department Group 400 = VRS 401 = DISA 501 ~ 599 = Valid Exten- sion Number/VRS Mes- sage (V2.0 Change) (VRS Message No.) 1000 ~ 1999 = Common ABB Dial (000 ~ 999)		0
06	Transfer Destination Number 2	0 = No setting 01 ~ 25 = Incoming Ring Group 102 = VM 103 = Centralized VM (V1.5 Added) 201 ~ 232 = Department Group 400 = VRS 401 = DISA 501 ~ 599 = Valid Exten- sion Number/VRS Mes- sage (V2.0 Change) (VRS Message No.) 1000 ~ 1999 = Common ABB Dial (000 ~ 999)	 400 - Allow the outside party to dial a different extension number in the translation table (for example, ring no answer to a dialed number, the caller then hears a dial tone, allowing them to enter another Valid Extension Number). 401 - Provide the caller with DISA dialing options (requires using the DISA password). This applies to 22-11-05 and 22-11-06. 	0
07	Call Waiting	0 = Disable (No) 1 = Enable (Yes)	Program 20-09-07 overrides this setting.	0
08	Maximum Number of DID Calls	$0 \sim 084 (0 = \text{No limit})$ 0 = No Limit (Can re- ceive as many calls as you have available trunks.)	 Per DID translation table a DID can be limited to only accept a certain amount of calls. If a call is delivered to the system when the limit has been reached, the out- side caller will receive a busy tone. 	
09	Music on Hold Source	0 = IC/MOH Port 1 = BGM Port		0

22

ltem No.	Item	Input Data	Description	Default
11	Incoming Ring Group Transfer	0 = Disable (Calls will not be routed to PRG 22-12.) 1 = Enable (Calls will be routed to PRG 22-12.)	 Enable (1) or disable (0) each conversation tables ability to follow the Ring Group programming defined in Program 22-12-01 : DID Intercept Ring Group. If Program 22-11-05 (DID Translation Number Conversion, Transfer Destination Number 1) and Program 22-11-06 (DID Translation Number 2) are set, the priority of transferring is in this order (Program 22-11-05 then Program 22-11-06) then if Program 22-11-11 is enabled, the calls will overflow from Transfer Destination Number 2 to the destination programmed in PRG 22-12-01. If the terminal is in Power Cutting mode from the ecology feature this command will not be applied. 	1

Conditions

Program

22

When the trunk type is set to 3 (DID) in 22-02-01, the DID Transfer Destination for each DID feature is not supported. This feature is supported only for DID trunks when assigned as VRS.

Feature Cross Reference

Direct Inward Dialing (DID)

Program 22 : Incoming Call Setup 22-12 : DID Intercept Ring Group

Level: IN

Description

For each DID Translation Table, use **Program 22-12 : DID Intercept Ring Group** to define the first destination group for DID calls.

Depending on the entry in Programs 22-09-02 and 22-11-04, the incoming calls route to the first destination group by the following:

- Vacant number intercept (vacant number means that no phone is connected, no station unit is installed, or the extension number is not defined in Program 11-02)
- Busy intercept
- Ring-no-answer intercept

If the destination is 0, the calls are forwarded to the trunk ring group defined in Program 22-11 based on the table assigned to the DID trunk.

If Programs 22-11-05 and 22-11-06 are set, the priority of transferring is in this order: Program 22-11-05 + Program 22-11-06 + Program 22-12.

For busy and no-answer calls, if the first and third destinations are programmed, but the second destination is not, the incoming call goes to the third destination after the first destination. If the first and second destinations are not defined, but the third destination is, the call goes directly to the third destination.

Input Data

Conversion Table Area Number	01 ~ 20
Day/Night Mode	1~8

ltem No.	ltem	Input Data	Default
01	Incoming Group Number (V1.5 Changed)	0 = No setting 01 ~ 25 = Incoming Ring group 102 = VM 103 = Centralized VM	1

Conditions

None

Feature Cross Reference

• Direct Inward Dialing (DID)

Program 22 : Incoming Call Setup

22-13 : DID Trunk Group to Translation Table Assignment

Level: <u>IN</u>

Description

Program

22

Use **Program 22-13 : DID Trunk Group to Translation Table Assignment** to assign the DID Trunk Groups to DID Translation Tables. DID trunks should be in their own group. If you have more than one type of DID trunk, put each type in a separate Trunk Group. For each Trunk Group, you make a Translation Table entry for each Night Service mode.

Input Data

Trunk Group Number	1 ~ 25	
Day/Night Mode	1~8	

ltem No.	Item	Input Data	Default
01	Conversion Table Area Number	0 ~ 20 (0 = No Setting)	1

Conditions

None

Feature Cross Reference

• Direct Inward Dialing (DID)

Program 22 : Incoming Call Setup 22-14 : VRS Delayed Message for IRG

Level: IN

Description

Use **Program 22-14 : VRS Delayed Message for IRG** (Incoming Group Ring) to define for each incoming ring group the timers, VRS message number and type of tone for VRS Waiting Message.

Input Data

Incoming Ring Group Number		1 ~ 25		
ltem No.	ltem	Input Data	Description	Default
01	1 st Delayed Message Start Time	0 ~ 64800 seconds	Time before the VRS Delay Message is played for IRG.	0
02	1 st Delayed Message Number	0 ~ 101 0 = No Message 101 = Fixed Message	VRS message that is used for the 1st De- layed Message.	0
03	1 st Delayed Message Sending Count	0 ~ 255 (time)	This is the number of times the 1st Delay Message is played. If set to 0, the 1st De- lay Message is not played.	0
04	2 nd Delayed Message Number	0 ~ 101 0 = No Message 101 = Fixed Message	VRS message that is used for the 2nd De- layed Message.	0
05	2 nd Delayed Message Sending Count	0 ~ 255 (time)	This is the number of times the 2nd Delay Message is played. If set to 0, the 2nd De- lay Message is not played.	0
06	Tone Kind at Message Interval	0 = Ring Back Tone 1 = MOH Tone 2 = BGM Source	What is heard between the Delay Message.	0
07	Disconnect Time Af- ter the End of VRS Delayed Message	0 ~ 64800 seconds 0 = No Disconnect	Time, after all 2nd Delay Messages are played, before the caller is disconnected.	60

Conditions

None

Feature Cross Reference

None

Program 22 : Incoming Call Setup 22-15 : VRS Delayed Message for Department Group

Level: <u>IN</u>

Description

Program

22

Use **Program 22-15 : VRS Delayed Message for Department Group** to define for each Department (Extension) Group the timers, VRS message number and tone kind for VRS Delayed Message. There are 32 available Department Groups.

Input Data

Extension Group Number01 ~ 32

ltem No.	ltem	Input Data	Description	Default	
01	1 st Delayed Message Start Time	0 ~ 64800 seconds	Time before the VRS Delay Message is played for Department Group.	0	
02	1 st Delayed Message Number	0 ~ 101 0 = No Message 101 = Fixed Message	VRS message that is used for the 1st De- layed Message.	0	
03	1 st Delayed Message Sending Count	0~255 (time)	This is the number of times the 1st Delay Message is played. If set to 0, the 1st De- lay Message is not played.	0	
04	2 nd Delayed Message Number	0 ~ 101 0 = No Message 101 = Fixed Message	VRS message that is used for the 2nd De- layed Message.	0	
05	2 nd Delayed Message Sending Count	0 ~ 255 (time)	This is the number of times the 2nd Delay Message is played. If set to 0, the 2nd De- lay Message is not played.	- 0	
06	Tone Kind at Message Interval	0 = Ring Back Tone 1 = MOH Tone 2 = BGM Source	What is heard between the Delay Mes- sage.	;- 0	
07	Disconnect Time Af- ter the End of VRS Delayed Message	0 ~ 64800 seconds 0 = No Disconnect	Time, after all 2nd Delay Messages are played, before the caller is disconnected.	60	

Conditions

None

Feature Cross Reference

• Department Group

Program 22 : Incoming Call Setup 22-16 : Private Call Refuse Target Area Setup

Level: <u>IN</u>

Description

Use **Program 22-16 : Private Call Refuse Target Area Setup** to define Speed Dial group number for Private Call Refuse.

Input Data

ltem No.	ltem	Input Data	Description	Default
01	01 Speed Dial Group 0 ~ 32 Number 0 ~ 10 ~ 10 ~ 10 ~ 10 ~ 10 ~ 10 ~ 10 ~		This program is used to assign a speed dial group $(1 \sim 32)$ to be used for the caller ID refuse number matching storage.	0

Conditions

None

Feature Cross Reference

• Department Group

Program

Program 22 : Incoming Call Setup 22-17 : Dial-In Conversion Table Area Setup for Time Pattern

Level: <u>SA</u>

Description

Input Data

22

Program

Conversion Table Number

001 ~ 500 (V2.0 Changed)

Time Pattern Number

and Dial-In Conversion Table (Program 22-11) for Time Pattern.

1~8

ltem No.	ltem	Input Data	Description	Default
01	Received Dial	Up to eight digits		No Setting
02	Start of Time	0000 ~ 2359 (Time)	Define the Starting Time for each DID Translation table in PRG 22-17-01.	0000
03	End of Time	0000 ~ 2359 (Time)	Define the Ending Time for each DID Translation table in PRG 22-17-01.	0000
04	Dial-In Conversion Ta- ble Number	1 ~ 800 (These are the table entries in PRG 22-11.)		0
05	Day of week (V2.0 Added)	1: Sun 2: Mon 3: Tue 4: Wed 5: Thu 6: Fri 8: Sun 9: Holiday 0 = Off 1 = On	Assign Day of Week for each DID conversion table.	1

Use Program 22-17: Dial-In Conversion Table Area Setup for Time Pattern to define Time Zone

Conditions

None

Feature Cross Reference

None

Program 22 : Incoming Call Setup 22-18 : Private Call Assignment Setup

Level: IN

Description

Use **Program 22-18: Private Call Assignment Setup** to define assignment and incoming ring pattern for Private Calls.

Input Data

ltem No.	ltem	Input Data	Description	Default	Related Program
01	Transfer Mode	0 = Not Defined (Pri- vate call will not trans- fer to a user in the sys- tem, can be routed to VRS message in PRG 40-10-06.) 1 = Internal Dial (Speci- fied in PRG 22-18-02) 2 = Incoming Ring Group (Specified in PRG 22-04)	Leave this program set to (0) Not Defined to route the Private caller to a VRS message to refuse the call. This program can also be used to route the Private caller to an internal destination (PRG 22-18-02) or a Ring Group (PRG 22-04).	0	14-01-27 15-02-02 40-10-06
02	Destination Num- ber	1 = Internal Dial (up to 36 digits) 0 ~ 9, *, #, P, R, @ 2 = Incoming Ring Group 0 ~ 25		No Setting	14-01-27 15-02-02 40-10-06
03	Incoming Ring Pattern	Incoming Ring Pattern (0 ~ 13) (V3.0 Changed) 0 = Normal pattern 1 ~ 4 = Tone pattern (1 ~ 4) 5 ~ 9 = Scale pattern (1 ~ 5) 10 ~ 13 = Tone pattern (5 ~ 8) (V3.0 Added)		0	14-01-27 15-02-02 40-10-06

Conditions

None

Feature Cross Reference

None

Program

22

Program 22 : Incoming Call Setup 22-20 : Flexible Ringing by Caller ID Setup

Level: IN

Description

Program

22

-

Use **Program 22-20: Flexible Ringing by Caller ID Setup** to set flexible ringing by Caller ID per timer pattern mode.

Input Data

001 ~ 084
01 ~ 08

ltem No.	Item	Input Data	Default	Related Program
01	Flexible Ringing	0 = Disable 1 = Enable	1	13-04 14-01-30

Conditions

None

Feature Cross Reference

None

Program 23 : Answer Features Setup 23-02 : Call Pickup Groups

Level: IN

Description

Use **Program 23-02 : Call Pickup Groups** to assign extensions to Call Pickup Groups. This program also lets you assign an extension Call Pickup Group priority. If two extensions in a group are ringing at the same time, Group Call Pickup intercepts the highest priority extension first.



There are 32 available Call Pickup Groups.

23

Input Data

Extension Number

Maximum eight digits

1~32

Group Number

ltem Item Description Default Related Input Data No. Program 01 Priority 11-12-26 Group No. - Priority Or-Use this program to assign exten-1 - xxx der sions to Call Pickup Groups other (Note; default 11-12-27 (1 - 32) - (1 - 999) than the extension group set up by a value follows the 11-12-28 Program 16-02. port order of 15-07-24 PRG11-02 or 15-07-25 15-07-26 PRG11-04.)

Conditions

None

Feature Cross Reference

Group Call Pickup

Program 23 : Answer Features Setup 23-03 : Universal Answer/Auto Answer

Level: <u>IN</u>

Description

Program

Use **Program 23-03 : Universal Answer/Auto Answer** to assign trunk routes (set in Program 14-06) to extensions for Universal Answer. If the call ringing the paging system is in an extension assigned route, the user can dial the Universal Answer code (#0) to pick up the call.

You can also use this program to let an extension user automatically answer trunk calls that ring other extensions (not their own). When the user lifts the handset, they automatically answer the ringing calls based on Trunk Group Routing programming (defined in Program 14-06). The extension user ringing calls, however, always have priority over calls ringing other co-worker extensions. Refer to the Line Preference feature in the SL1100 Features and Specifications Manual for more information.



Make one entry for each Night Service mode.

Input Data

Extension Number	Maximum eight digits

Day/Night Mode	1 ~ 8	
----------------	-------	--

ltem No.	ltem	Input Data	Description	Default	Related Program
01	Route Table Number	0~25	Use this program to let an extension user automatically answer trunk calls that ring other extensions. When the user lifts the handset, they automatically answer the ring- ing calls based on Trunk Group Routing programming (defined in Program 14-06).	0	14-06

Conditions

None

Feature Cross Reference

- Line Preference
- Night Service

Program 23 : Answer Features Setup

23-04 : Ringing Line Preference for Virtual Extensions

Level:

Description

Use **Program 23-04 : Ringing Line Preference for Virtual Extensions** to set the off-hook automatic response priority for calls ringing virtual extension keys on a telephone.



There are 50 available Virtual Extension Ports.

Input Data

Extension Number

Maximum eight digits

Priority Order

1 ~ 4

ltem No.	Item	Input Data	Description	Default	Related Program
01	Extension Group Number	0 ~ 32 (0 = No Setting)	When an extension has a virtual ex- tension assigned to a Programma- ble Function Key, this program de- termines the priority for automatical- ly answering the ringing calls when the handset is lifted. If 0 or 00 is se- lected, when the user lifts the hand- set, the user answers a ringing call from any group.	0	16-02

Conditions

None

Feature Cross Reference

Virtual Extensions

Program

Program 24 : Hold/Transfer Setup 24-01 : System Options for Hold

Level: IN

Description

Program

24

Input Data

ltem No.	ltem	Input Data	Description	Default	Related Program
01	Hold Recall Time	0 ~ 64800 seconds	A call on Hold recalls the extension that placed it on Hold after this time. This time works with the Hold Recall Callback Time (Item 2).	60 (V1.5 Changed)	
02	Hold Recall Call- back Time	0 ~ 64800 seconds	A trunk recalling from Hold or Park rings an extension for this time. This time works with Hold Recall Time or Park Hold Time. After this time, the system invokes the Hold recall time again. Cycling between time 01 and 02 and 06 and 07 continues until a user answers the call.	30	
03	Exclusive Hold Recall Time	0 ~ 64800 seconds	A call left on Exclusive Hold recalls the extension that placed it on Hold after this time.	90	
04	Exclusive Hold Recall Callback Time	0 ~ 64800 seconds	An Exclusive Hold Recall rings an extension for this time. If not picked up, the call goes back on System Hold.	30	
05	Forced Release of Held Call	0 ~ 64800 seconds	Depending on the setting of Pro- gram 14-01-16, the system discon- nects calls on Hold longer than this time.	1800	14-01-16
06	Park Hold Time - Normal	0 ~ 64800 seconds	A call left parked longer than this time recalls the extension that initial- ly parked it.	60 (V1.5 Changed)	20-31-14
07	Park Hold Time - Extended (Re- call)	0 ~ 64800 seconds	A call left parked longer than this time recalls the extension that initial- ly parked it.	300	

Use **Program 24-01 : System Options for Hold** to define the system options for the Hold feature.

Conditions

None

Feature Cross Reference

- Hold
- Park

Program 24 : Hold/Transfer Setup 24-02 : System Options for Transfer

Level: IN

Description

Use **Program 24-02 : System Options for Transfer** to define the system options for the Transfer feature.

Input Data

ltem No.	Item	Input Data	Description	Default	Related Program
01	Busy Transfer	0 = Disable (No) 1 = Enable (Yes)	Use this option to prevent or allow extensions to Transfer calls to busy extensions. If disabled, calls trans- ferred to busy extensions recall im- mediately.	1	
02	MOH or Ring- back on Trans- ferred Calls	0 = Hold Tone 1 = Ring Back Tone	Use this option to enable or disable MOH on Transfer. If enabled (0), a transferred caller hears MOH while their call rings the destination exten- sion. If disabled (1), a transferred caller hears ringback while their call rings the destination extension.	1 (V1.5 Changed)	20-03-02
03	Delayed Call For- warding Time	0 ~ 64800 seconds	If activated at an extension, Delayed Call Forwarding occurs after this time. This also sets how long a Transferred call waits at an exten- sion forwarded to Voice Mail before routing to the called extension mail- box.	10	20-31-15
04	Transfer Recall Time	0 ~ 64800 seconds	An unanswered transferred call re- calls to the extension that initially transferred it after this time.	20 (V1.5 Changed)	20-31-16
05	Message Wait Ring Interval Time	0 ~ 64800 seconds	For Single Line Telephones (SLTs) without message waiting lamps, this is the time between intermittent ring- ing. If this value is set to 0, the system rings once.	30	
07	Trunk-to-Trunk Transfer Release Warning Tone	0 ~ 64800 seconds	Time starts when a trunk begins talking with another trunk (for exam- ple : trunk-to-trunk transfer, outgoing from trunk, Tandem Trunking). When this time expires, a warning tone is heard. If Program 24-02-10 is set, the conversation disconnects after time expires. This time is set again when the external digit timer expires. One of the trunks used must be an analog trunk (or leased line).	1800	14-01-25 20-28-01 20-28-02 20-28-03 24-02-10
08	Delayed Transfer Time for all De- partment Groups	0 ~ 64800 seconds		10	11-11-28 11-11-29 15-07-59

Program

24

ltem No.	ltem	Input Data	Description	Default	Related Program
09	Two B-Channel Transfer Retry Timer	0 ~ 30 seconds		10	10-03-16 (PRI)
10	Disconnect Trunk-to-Trunk	0 ~ 64800 seconds		0	14-01-25 20-28-01 20-28-02 20-28-03 24-02-07
11	No Answer Step Transfer	0 ~ 64800 seconds		10	14-01-26
12	No Answer Trunk-to-Trunk Transfer	0 ~ 64800 seconds		0	14-01-26
13	Hook Flash Sending Timer When the Sys- tem Answers Au- tomatically	0 ~ 64800 seconds	Time before sending the hook flash for Call Forward Centrex.	2	
15	SIP Out of Range Timer (V3.0 Add- ed)	0 ~ 30 seconds	When not receiving any response within this timer setting, the system determines that the SIP terminal is out of range. When set to 0, timer is invalid.	4	

Conditions

None

Program

24

Feature Cross Reference

Transfer

Program 24 : Hold/Transfer Setup 24-03 : Park Group

Level: IN

Description

Use **Program 24-03 : Park Group** to assign an extension to a Park Group. The system allows a total of 64 Park Groups. An extension user can pick up only a call parked in orbit by an extension user in own group.

Input Data

Extension Number	Maximum eight digits

ltem No.	ltem	Input Data	Description	Default	Related Program
01	Park Group Num- ber	1 ~ 64	Assign an extension to a Park Group. The system allows a total of 64 Park Groups.	1	15-07-01

Conditions

None

Feature Cross Reference

Park

Program

Program 24 : Hold/Transfer Setup

24-04 : Automatic Trunk-to-Trunk Transfer Target Setup

Level: <u>IN</u>

Description

Program

24

Input Data

4	Trunk Port Number	1
	 Day/Night Mode	
3	Day/Night Mode	

Use Program 24-04 : Automatic Trunk-to-Trunk Transfer Target Setup to assign the Speed Dialing

number bin which should be used as the destination of the Automatic Trunk-to-Trunk Transfer.

ltem No.	ltem	Input Data	Default	Description	Related Program
01	Speed Dial Area Number	0 ~ 999	999	The destination telephone number of the Trunk-to-Trunk Transfer uses the number registered into the Speed Dial. Use this program to setup the Speed Dial Bin Number.	11-10-08 13-04 24-05

Conditions

None

Feature Cross Reference

• Call Forwarding, Off-Premise

Program 24 : Hold/Transfer Setup 24-05 : Department Group Transfer Target Setup

Level:

Description

Use **Program 24-05 : Department Group Transfer Target Setup** to assign the Speed Dialing bin which is used as the destination of the extension for the Extension Group.



There are 32 available Department Groups.

Input Data

Extension Group Number

01 ~ 32

1~8

Day/Night Mode

ltem No.	Item	Input Data	Description	Default	Related Program
01	Speed Dial Area Number	0~999	The Speed Dialing area is used to program the destination number of the transferred telephone number when a Department Group call is transferred using the Trunk-to-Trunk Forwarding feature.	999	11-11-27 13-04 24-04

Conditions

None

Feature Cross Reference

• Transfer

Program

24

Program 24 : Hold/Transfer Setup 24-09 : Call Forward Split Settings

Level: IN

Description

Program

Use Program 24-09 : Call Forward Split Settings to assign Call Forwarding Type and the destination number for each extension/virtual extension. The destination can have up to 24 digits, using $0 \sim 9, *,$ #, and @. Be sure to include the trunk access code (e.g., 9) in the number if the destination is offpremise.

24

Only ISDN uses the @ symbol.

Pause can be set by LK 1.

Input Data

Extension Number		Maximum eight digits		
ltem No.	Item		Input Data	Default
01	Call Forwarding Type	0 = No Call Forwarding 1 = Call Forward Both 2 = Call Forward No Answer 3 = Call Forward All 4 = Call Forward Busy No Answer 5 = Call Forward Busy		0
02	CO Call Forwarding Destination for Both Ring, All Call, No Answer	Maximum of 36 digits (0 ~ 9, *, #, @, P, R) (V1.5 Changed) Only ISDN uses the @ symbol		No Setting
03	Intercom Call Forwarding Destina- tion for Both ring, All Call, No An- swer	Maximum of Changed)	f 36 digits (0 ~ 9, *, #, @, P, R) (V1.5	No Setting
04	CO Call Forwarding Busy Destina- tion	Maximum of Changed)	f 36 digits (0 ~ 9, *, #, @, P, R) (V1.5	No Setting
05	Intercom Call Forwarding Busy Destination	Maximum of Changed)	f 36 digits (0 ~ 9, *, #, @, P, R) (V1.5	No Setting
06	Call Forwarding Destination for CTX/PBX for All Call, No Answer	Maximum of Changed)	f 36 digits (0 ~ 9, *, #, @, P, R) (V1.5	No Setting
07	Call Forwarding Destination for CTX/PBX for Busy	Maximum of Changed)	f 36 digits (0 ~ 9, *, #, @, P, R) (V1.5	No Setting

Conditions

None

Feature Cross Reference

• Call Forwarding, Off-Premise

Program

Program 25 : VRS/DISA Setup 25-01 : VRS/DISA Line Basic Data Setup

Level: IN

Description

Program

25

Use **Program 25-01 : VRS/DISA Line Basic Data Setup** to define the basic setting of each VRS/ DISA line.

Input Data

Trunk Port Number		00	001 ~ 084		
ltem No.	Item	Input Data	Default	Related Program	
01	VRS/DISA Dial - In Mode	0 = Extension Number Service Code Specify (In tercom) 1 = Use Dial Conversion Table	n- O	22-11	
02	DISA User ID	0 = Off 1 = On	1	25-08	
03	VRS/DISA Transfer Alarm	0 = Normal (Off) 1 = Alarm (On)	0		

Conditions

None

Feature Cross Reference

Program 25 : VRS/DISA Setup 25-02 : DID/DISA VRS Message

Level: IN

Description

Use **Program 25-02 : DID/DISA VRS Message** to assign the VRS message number to be used as the Automated Attendant Message for each trunk which is assigned as a VRS/DISA.

Input Data

Trunk Port Number	001 ~ 084
Day/Night Mode	1~8

ltem No.	Item	Input Data	Additional Data	Default
01	Message (Talkie) Source	0 = No Talkie 1 = VRS 3 = SLT	1 = 01 ~ 100 (VRS Message Number) 3 = 01 ~ 32 (Station Group Number)	Talkie Type = 1 Additional Data = 1

Conditions

None

Feature Cross Reference

Program 25 : VRS/DISA Setup 25-03 : VRS/DISA Transfer Ring Group With Incorrect Dialing

Level:
<u>IN</u>

Program

25

Description

Use **Program 25-03 : VRS/DISA Transfer Ring Group With Incorrect Dialing** to set what happens to a call when the DISA or Automated Attendant caller dials incorrectly or waits too long to dial. The call can either disconnect (0) or Transfer to an alternate destination (a ring group or voice mail). When setting the DISA and DID Operating Mode, make an entry for each Night Service mode.

Input Data

Trunk Port Number

001 ~ 084

Day/Night Mode

1~8

ltem No.	Item	Input Data	Default	Related Program
01	Incoming Group Number	0 = Disconnect 01 ~ 25 = Incoming Ring Group 102 = VMI 103 = Centralized VM (V1.5 Added) 104 = Assign the Speed Dial Number (V3.0 Add- ed)	0	22-04

Conditions

None

Feature Cross Reference

Program 25 : VRS/DISA Setup

1~8

25-04 : VRS/DISA Transfer Ring Group With No Answer/ Busy

Level: IN

Description

Use **Program 25-04 : VRS/DISA Transfer Ring Group With No Answer/Busy** to set the operating mode of each DISA trunk. This sets what happens to the call when the DISA or Automated Attendant caller calls a busy or unanswered extension. The call can either disconnect (0) or Transfer to an alternate destination (a ring group or voice mail). When setting the DISA and DID Operating Mode, make an entry for each Night Service mode.

Input Data

Trunk Port Number	001 ~ 084

Day/Night Mode

ltem No.	Item	Input Data	Default	Related Program
01	Incoming Group Number	0 = Disconnect 01 ~ 25 = Incoming Ring Group 102 = VMI 103 = Centralized VM (V1.5 Added) 104 = Assign the Speed Dial Number (V3.0 Add- ed)	0	22-04

Conditions

None

Feature Cross Reference

Direct Inward System Access (DISA)

Program

Program 25 : VRS/DISA Setup 25-05 : VRS/DISA Error Message Assignment

Level: <u>IN</u>

Description

Program

45

Use **Program 25-05 : VRS/DISA Error Message Assignment** to assign the VRS message number to be used as the Automated Attendant error message. For each VRS/DISA trunk that the VRS answers, enter the VRS message ($1 \sim 100$) the outside caller hears if they dial incorrectly. If you enter 0 (i.e., no error message), the call reroutes according to Programs 25-03 and 25-04.

For each trunk, make a separate entry for each Night Service mode.

Input Data

Trunk Port Number

001 ~ 084

Day/Night Mode 1~8

ltem No.	Item	Input Data	Default
01	VRS Message Number	0 ~ 100 (0 = No Setting)	0

Conditions

None

Feature Cross Reference

2 - 295

Program 25 : VRS/DISA Setup 25-06 : VRS/DISA One-Digit Code Attendant Setup

Level:

Description

Use **Program 25-06 : VRS/DISA One-Digit Code Attendant Setup** to set up single digit dialing through the VRS. This gives VRS callers single key access to extensions, the company operator, Department Calling Groups and Voice Mail. For each VRS message set to answer outside calls (refer to Programs 25-04 and 25-05), you specify:

- The digit the VRS caller dials (0 ~ 9, *, #). Keep in mind that if you assign destinations to digits, outside callers cannot dial system extensions.
- The destination reached (Maximum eight digits) when the caller dials the specified digit.

The destination can be an extension, a Department Calling pilot number or the Voice Mail master number. A one-digit code can be assigned for each Automated Attendant message.

Example:

Message Number = 01, Destination = 2, Next Message Number = 0, Dial = 399

In this example, when 2 is dialed by an outside caller, the system transfers the call to 399. This means that extension 200~299 cannot receive calls from VRS/DISA users during/after VRS Message 01.

Input Data

Attendant Message Number	01 ~ 100
Received Dial	1 ~ 9, 0, *, #

ltem No.	Item	Input Data	Description	Default
01	Next Attendant Mes- sage Number	0 ~ 100 (0 = No Setting) 101 = Voice Mail an- swers 104 = Refer to 25-04 : VRS/DISA Transfer Ring Group With No Answer/ Busy on page 2-293 105 = Dial the other ex- tension 106 = record VRS	Defines the next attendant message num- ber or destination number for each 1-digit access code in Automated Attendant serv- ice	0
02	Destination Number	Up to eight digits Must be a valid ex- tension number that is programmed in command 11-02 or 11-04.		No Setting

Conditions

• Outside caller may not be able to dial individual extensions or lines if the same first digit is defined here.

Feature Cross Reference

- Direct Inward System Access (DISA)
- Voice Response System (VRS)

Program

Program 25 : VRS/DISA Setup 25-07 : System Timers for VRS/DISA

Level: IN

Description

Use **Program 25-07 : System Timers for VRS/DISA** to set the value for the system timers which affect DID and DISA. Refer to the following chart for a description of each option, its range and default setting.

Input Data

ltem No.	ltem	Input Data	Description	Default	Related Program
01	VRS/DISA Dial Tone Time	0 ~ 64800 seconds	After answering a DISA trunk, the system waits this time for the caller to dial the first digit of the DISA password. If the caller fails to dial during this time, the system drops the call.	10 seconds	25-04
02	VRS/DISA No An- swer Time	0 ~ 64800 seconds	A VRS/DISA caller can ring an ex- tension for this time before the sys- tem sets the call as a Ring No An- swer. After this time expires, the call follows the programmed Ring No Answer routing (set in Programs 25-03 and 25-04).	0	25-04 20-31-17
03	Disconnect after VRS/DISA re- transfer to IRG	0 ~ 64800 seconds	From DISA trunk, when the call may go to Incoming Ring Group of Pro- grams 25-03 and 25-04. This setting determines how long the call is ring- ing in the IRG.	60 seconds	20-31-18
04	Calling Time to Automatic An- swering Tele- phone Set	0 ~ 64800 seconds	Set the answering waiting time of the automatic answering extension when an incoming DID trunk call is received.	10 seconds	
05	Duration Time for Guidance Message by Au- tomatic Answer- ing Telephone Set	0 ~ 64800 seconds	Set the announcement time of the automatic answering extension after which an incoming DID trunk caller is disconnected.	10 seconds	
07	Long Conversa- tion Warning Tone Time	0 ~ 64800 seconds	Determine the time a DISA caller or any trunk-to-trunk (such as Tandem Trunking) conversation can talk be- fore the Long Conversation tone is heard.	3600	14-01-25 20-28-01 20-28-02 20-28-03 20-31-19
08	Long Conversa- tion Disconnect Time	0 ~ 64800 seconds	This time determines how long the system waits before disconnecting a DISA caller or any trunk-to-trunk (such as Tandem Trunking) conver- sation call after the Long Conversa- tion tone is heard.	10	14-01-25 20-28-01 20-28-02 20-28-03

Program

25

ltem No.	Item	Input Data	Description	Default	Related Program
09	DISA Internal Paging Time	0 ~ 64800 seconds	This is the maximum length of an In- ternal Page placed by a DISA caller. If the Page continues longer than this time, the system terminates the DISA call.	30 seconds	20-31-21
10	DISA External Paging Time	0 ~ 64800 seconds	This is the maximum length of an External Page placed by a DISA caller. If the Page continues longer than this time, the system terminates the DISA call.	30 seconds	20-31-22
11	VRS/DISA An- swer Delay Time	0 ~ 64800 seconds	Sets up the time the system waits after receiving an incoming VRS/ DISA call before the system auto- matically answers the call.	0 second	
13	VRS/DISA Busy Tone Interval	0 ~ 64800 seconds	If a DISA caller dials a busy exten- sion (and Program 25-04 = 0), the system plays busy tone for this time before disconnecting.	5 seconds	
14	Delayed VRS An- swer Time	0 ~ 64800 seconds	Assign the delay time from switching from a normal incoming status to DID mode. If this time is set to 0, the call switches to DID mode immedi- ately.	10 seconds	

Conditions

None

Program

25

Feature Cross Reference

Program 25 : VRS/DISA Setup 25-08 : DISA User ID Setup

Level: SA

Description

Use **Program 25-08 : DISA User ID Setup** to set the 6-digit DISA password for each user. There are 15 users each with one 6-digit password.

Input Data

DISA User Number			01 ~ 15	
ltem No.	Item		Input Data	Default
01	Password	Dial (Fixed - s 0 ~ 9, *, #	six digits)	No Setting

Conditions

None

Feature Cross Reference

• Direct Inward System Access (DISA)

Program

25

Program 25 : VRS/DISA Setup 25-09 : Class of Service for DISA Users

Level: <u>IN</u>

Description

Program

45

Use **Program 25-09 : Class of Service for DISA Users** to set the DISA Class of Service for each user. When a DISA caller enters a password (defined in Program 25-08), the system identifies the user and associates the appropriate DISA Class of Service with the call. Assign the DISA Class of Service options in Program 20-14. When programming DISA Class of Service, make one entry for each Night Service mode.

Input Data

DISA User Number	1 ~ 15
Day/Night Mode	1~8

ltem No.	Item	Input Data	Default
01	Function Class	1 ~ 15	1

Conditions

- DISA Class of Service cannot be 0.
- Program 20-06 cannot be used to assign Class of Service to DISA trunks.

Feature Cross Reference

Program 25 : VRS/DISA Setup 25-10 : Trunk Group Routing for DISA

Level: IN

Description

Use **Program 25-10 : Trunk Group Routing for DISA** to assign the Trunk Group route chosen when a user places a DISA call to the system and dials 9. Set Trunk Group Routing in Program 14-06. Enable or disable the DISA caller ability to dial 9 in Program 20-14-02. Assign a route to each DISA Class of Service (1 ~ 15). The system assigns a DISA Class of Service to a call based on the password the DISA caller dials.

When programming, make a separate entry for each Night Service Mode.

Input Data

DISA User Number	1 ~ 15
Day/Night Mode	1~8

ltem No.	Item	Input Data	Default
01	Route Table Number	0 ~ 25 (0 = No Setting)	1

Conditions

None

Feature Cross Reference

• Direct Inward System Access (DISA)

Program

Program 25 : VRS/DISA Setup 25-11 : DISA Toll Restriction Class

1~8

Level: IN

Description

Program

5

For systems that use Toll Restriction, use **Program 25-11 : DISA Toll Restriction Class** to assign a Toll Restriction Class (1-15) to each DISA user (1~15). The system uses the Toll Restriction Class you enter in Programs 21-05 and 21-06. The Toll Restriction Class assigned to a DISA call is based on the DISA Class of Service and user, which is determined by the password the caller dials.

When programming, make a separate entry for each Night Service mode.

Input Data

DISA User Number	1 ~ 15

ltem No.	Item	Input Data	Default
01	Toll Restriction Class	1 ~ 15	2

Conditions

• Program 21-05 cannot be used to assign Toll Restriction to DISA trunks.

Feature Cross Reference

Day/Night Mode

Program 25 : VRS/DISA Setup 25-12 : Alternate Trunk Group Routing for DISA

Level: <u>IN</u>

Description

Use **Program 25-12 : Alternate Trunk Group Routing for DISA** to define the trunk route selected when a DISA caller dials the Alternate Trunk Access Code. The route selected is based on the DISA caller Class of Service, which in turn is determined by the password the caller dials. When programming, make a separate entry for each Night Service Mode.

Use Program 11-09-02 to set the Alternate Trunk Access Code. Use Program 14-06 to set trunk routes.

Input Data

DISA User Number	1 ~ 15

Day/Night Mode 1 ~ 8

ltem No.	Item	Input Data	Default
01	Route Table Number	0 ~ 25 (0 = No Setting)	1

Conditions

• You cannot use Program 21-15 to assign alternate trunk routing to DISA trunks.

Feature Cross Reference

- Direct Inward System Access (DISA)
- Trunk Group Routing

Program 25 : VRS/DISA Setup 25-13 : System Option for DISA

Level: IN

Description

Program

25

Input Data

ltem No.	ltem	Input Data	Description	Default
01	VRS Message Access Password	1 ~ 9, 0, *, # (Fixed six digits)	Enter the password DISA callers must dial before the system allows them to record, listen to and/or erase the VRS messages.	No Setting

Use Program 25-13 : System Option for DISA to enter the password DISA callers must dial before

the system allows them to record, listen to and or erase the VRS messages. This program also is used

Conditions

None

Feature Cross Reference

to define additional DISA call options.

- Direct Inward System Access (DISA)
- Voice Response System (VRS)
Program 25 : VRS/DISA Setup 25-15 : DISA Transfer Target Setup

Level: IN

Description

Use **Program 25-15 : DISA Transfer Target Setup** to assign a Speed Dial number when a dial tone times-out, or when the wrong number is received and the target extension does not answer or is busy.

Input Data

Trunk Port Number	001 ~ 084
Day/Night Mode	1~8

ltem No.	Item	Input Data	Default	Related Program
01	DISA Transfer Target Area At Wrong Dial	Speed Dial bin number 0 ~ 999	999	25-03-01
02	DISA Transfer Target Area At No Answer or Busy	Speed Dial bin number 0 ~ 999	999	25-04-01

Conditions

• Related to Programs 25-03-01 25-04-01.

Feature Cross Reference

- Direct Inward System Access (DISA)
- Voice Response System (VRS)

Program 26 : ARS Service

26-01 : Automatic Route Selection (ARS/F-Route) Service

Use Program 26-01 : Automatic Route Selection Service (ARS/F-Route) to define the system

Level: <u>IN</u>

Description

options for Automatic Route Selection (ARS/F-Route).

Program

26

Input Data

ltem No.	ltem	Input Data	Description	Default	Related Program
01	ARS Service	0 = Disabled (ARS service is OFF.) 1 = Enabled (ARS serv- ice is ON.)	Enable or disable ARS.	0	26-02 26-03 26-04
02	Network Outgo- ing Inter-Digit ARS Time	0 ~ 64800 seconds	With Networking, this time replaces 20-03-04 when determining if all network protocol digits have been received. If ARS is enabled at Site B, this time can be programmed for 5 (500 ms) at Site A. If ARS is disa- bled and Site B is using F-Route for outbound dialing, this time should be programmed for 30 (three sec- onds) at Site A.	30	20-03-04
03	ARS Misdialed Number Han- dling	0 = Route to Trunk Group 1 1 = Play Warning Tone to Dialer	If a user dials a number not pro- grammed in ARS, this option deter- mines if the system should route over Trunk Group 1 or play error tone.	0	21-02
06	Class of Service Match Access	0 = Disabled (ARS service is OFF.) 1 = Enabled (ARS serv- ice is ON.)	This enables/disables the ARS class of service settings.	0	26-02
07	F-Route Access COS Reference	0 = F-Route 1 = ARS		0	26-02 44-05

Conditions

None

Feature Cross Reference

• Automatic Route Selection (ARS/F-Route)

Program 26 : ARS Service 26-02 : Dial Analysis Table for ARS

Level: IN

Description

Use **Program 26-02 : Dial Analysis Table for ARS** to set pre-transaction tables for selecting Automatic Route Selection (ARS/F-Route).

- Service Type 1 (Route to Trunk Group Number) The number routes to a trunk group.
- Service Type 2 (F-Route Selected) The number is controlled by the F-Route table.

Input Data

	Dial Analysis Table Number1 ~ 400		400		
ltem No.	Item	Input Data		Default	Related Program
01	Dial	Maximum of 16 digits (0 -	~ 9, *, #, @)	No Setting	
02	ARS Service Type	0 = No Service (Call Restricted) 1 = Route to Trunk Group 2 = Select F-Route Access		0	
03	Additional Data/Service Number	If Service Type 1 (in 26-02) : Select Trunk Group Number 0 ~ 25 (Trunk Group Number 0 = No Route) 101 ~ 104 (Networking ID) (V1.5 Added) If Service Type 2 (in 26-02) : F-Route Time Schedule Not Used = 0 ~ 100 (F-Route Table Number). Refer to Program 44-05 : ARS/F-Route Table on page 2-395. F-Route Time Schedule Used = 0 ~ 100 (F-Route Selection Number). Refer to Program 44-04 : ARS/F-Route Selection for Time Schedule on page 2-394		0	44-04 44-05
04	ARS Class of Service	0 ~ 16 0 = No ARS Class (Call Restricted)		0	
05	Dial Treatment for ARS	0~15		0	
07	Network Specified Parameter Table	0~16		0	26-12

Conditions

None

Feature Cross Reference

Automatic Route Selection (ARS/F-Route)

Program

Program 26 : ARS Service 26-03 : ARS Dial Treatments

Level:

<u>IN</u>

Description

Program

16

Use **Program 26-03 : ARS Dial Treatments** to assign the 15 Dial Treatments for automatic ARS dialing translation. Assign Dial Treatments to Service Numbers (Trunk Groups) in Program 26-02. The ARS Dial Treatment options are:

- An For Alternate Carrier Access (n = 1 ~ 4). The numeric digit instructs the system to insert a Transit Network Selection information element in the SETUP message and also identifies which code in Program 26-11 will be included in the information element. This function is valid only for outbound calls by ISDN trunks.
- DNN Outdial the NN number of digits or execute the code that follows. For example, D041234 outdials 1234. Valid entries are 0 ~ 9, #, *, Wnn (wait nn seconds) and P (pause). Each digits code counts as a digit. So, for example, if a P was added for a pause, the entry would look like : D05P1234.
- Wnn Wait nn seconds.
- P Pause in analog trunk.
- R Redial the initially dialed number, including any modifications.
- E End of Dial Treatment. All Dial Treatments must end with the E code.
- X When ARS is enabled, X must be entered in the Dial Treatment for the system to output the extension number of the call originator to the black box for the E911 feature.

Input Data

Dial Treatment Table Number			1 ~ 15	
ltem No.	ltem		Input Data	Default

Maximum 36 characters

Conditions

01

None

Feature Cross Reference

Treatment Code

Automatic Route Selection (ARS/F-Route)

No Setting

Program 26 : ARS Service 26-04 : ARS Class of Service

Level: IN

Description

Use **Program 26-04 : ARS Class of Service** to set the ARS Class of Service for an extension. Automatic Route Selection (ARS/F-Route) uses ARS Class of Service when determining how to route extension calls.

Input Data

Extension Number	Up to eight digits
Dav/Night Mode	1~8

ltem No.	Item	Input Data	Default
01	Class	0 ~ 16 0 = No Class	0

Conditions

None

Feature Cross Reference

• Automatic Route Selection (ARS/F-Route)

Program 26 : ARS Service 26-11 : Transit Network ID Table

Level: IN

Description

Program

26

Input Data

Transit Network ID Table		1~4	
ltem No.	Item	Input Data	Default
01	Transit Network ID (Carrier ID)	0000 ~ 9999 (Fixed four digits or No Setting)	Table No. 1 ~ 4 = No Setting

Use Program 26-11 : Transit Network ID Table to define Transit Network ID for Alternate carrier

Conditions

None

Feature Cross Reference

access, which is referred from Program 26-03.

Program 26 : ARS Service

26-12 : Network Specific Parameter Table for ARS

Level: IN

Description

Use **Program 26-12 : Network Specific Parameter Table for ARS** to define the Network Specific Parameter Table.

Input Data

Network Specific Parameter Table		1 ~ 16		
ltem No.	Item	Input Data	Description	Default
01	Called Party Number - Type of Number Se- lection	0 = System Default 1 = Unknown 2 = International No. 3 = National No. 4 = Network Specific No. 5 = Subscriber No. 6 = Abbreviated No.	This setting is used by Programs 26-02-07 and 44-05-11 to determine ISDN element.	0
02	Called Party number - Numbering Plan Iden- tification Selection	0 = System Default 1 = Unknown 2 = ISDN Plan 3 = Data Plan 4 = Telex Plan 5 = National Standard Plan 6 = Private Plan	This setting is used by Programs 26-02-07 and 44-05-11 to determine ISDN element.	0

Conditions

None

Feature Cross Reference

Program 30 : DSS/DLS Console Setup 30-01 : DSS Console Operating Mode

Level: IN

Description

Program

 $\mathbf{30}$

Use **Program 30-01 : DSS Console Operating Mode** to set the mode of the system DSS Consoles. The entry for this option applies to all the system DSS Consoles. The available options are:

- Regular (Business) Mode (0)
- Hotel Mode (1)

Input Data

	DSS Console Number	01 ~ 12	2
Item	Item	Input Data	Default

No.	Item	Input Data	Default
01	DSS Operation Mode	0 = Business Mode 1 = Hotel Mode	0

Conditions

None

Feature Cross Reference

- Direct Station Selection (DSS) Console
- Hotel/Motel

Program 30 : DSS/DLS Console Setup 30-02 : DSS Console Extension Assignment

Level: IN

Description

Use **Program 30-02 : DSS Console Extension Assignment** to identify which extensions have DSS Consoles connected.

• Up to 12 different extensions with DSS Consoles can be set up. A single extension can have up to four 60-button DSS Consoles (12 is the maximum allowed per system).

When programming, each extension/DSS Console(s) combination is called a Console Number. There are 12 Console Numbers ($01 \sim 12$). Console Numbers can be assigned to extensions. When entering data, the assignment for Console Number 1 is normally made first.

Input Data

60-button DSS Console Number		01 ~ 12		
ltem No.	ltem	Input Data	Description	Default
01	Extension Number	Up to eight digits	The extension number for the multiline ter- minal connected with the DSS console.	No Setting

Conditions

None

Feature Cross Reference

• Direct Station Selection (DSS) Console

Program 30 : DSS/DLS Console Setup 30-03 : DSS Console Key Assignment

Level: SA

Description

Program

Use **Program 30-03 : DSS Console Key Assignment** to customize the key assignments for 60button DSS Consoles. A DSS Console key can have any function with up to eight digits (e.g., extension number or Service Code).

To prevent lamp problems when reassigning DSS Console keys, clearing an extension programmed key before reassigning it is recommended [Enter key to be cleared + 00 or *00 (If using WebPro or PC Programming, delete the key assignments and upload the change to the system before proceeding.)] Without clearing an extension key first, the DSS Console may not show the correct lamp display, although the DSS function works correctly.

If you are programming the system from the extension to which the DSS Console is connected, either by phone or using the WebPro or PC Program, you may need to unplug the DSS and plug it back in to reset the console lamping.

Input Data

Index 1

DSS Console Number	01 ~ 12
	01 12

Index 2

Item No.	Key Number	Function Number	Additional Data
01	001 ~ 114	0 ~ 99, #0 ~ #99 (General Functional Level) *00 ~ *99 (Appearance Functional Level)	Refer to Table 2-7 Function Number List on page 2-314.

Table 2-7 Function Number List

[1] General functional level (00 ~ 99, #00 ~ #99)

Function Number	Function	Additional Data	LED Indication	Note
01	DSS/One-Touch	Extension Number or any Numbers (up to 36 digits)	On (Red) : DSS Ext. Busy Off : DSS Ext. Idle, DND External, DND Transfer, CFW Busy, CFW Noans, CFW Busy/Noans, CFW Both, CFW FL ME Fast Blink (Red) : DND Intercom, DND All, CFW Imm	
02	Microphone Key (ON/ OFF)		On (Red) : Mic On Off : Mic Off	
03	DND Key		On (Red) : DND Setup	
04	BGM (ON/OFF)		On (Red) : Active	
05	Headset		On (Red) : Headset Operation	
06	Transfer Key		None	

Function Number	Function	Additional Data	LED Indication	Note
07	Conference Key		On (Red) : Conference Operation	
08	Incoming Call ID List		Fast Blink (Red) : Existing New CID On (Red) : Existing Checked CID Off : No CID	
09	Day/Night Mode Switch	Mode Number (1 ~ 8)	On : While each mode	
10	Call Forward - Immedi- ate		On (Red) : Setup	
11	Call Forward - Busy		On (Red) : Setup	
12	Call Forward - No An- swer		On (Red) : Setup	
13	Call Forward - Busy/No Answer		On (Red) : Setup	
14	Call Forward - Both Ring		On (Red) : Setup	
15	Follow Me		Fast Blink (Red) : Setup Slow Blink (Red) : To be setup	
18	Text Message Setup	Message Numbers (01 ~ 20)	On (Red) : Setup	
19	External Group Paging	External Paging Num- ber (1 ~ 6)	On (Red) : Active	
20	External All Call Paging		On (Red) : Active	
21	Internal Group Paging	Internal Paging Num- ber (01 ~ 32)	On (Red) : Active	
22	Internal All Call Paging		None	
23	Meet-Me Answer to In- ternal Paging		None	
24	Call Pickup		None	
25	Call Pickup for Another Group		None	
26	Call Pickup for Specified Group	Call Pickup Group Number (1 ~ 32)	None	
27	Speed Dial - System/ Private	None or Speed Dial Number (00 ~ 99 or 000 ~ 999)	None	
28	Speed Dial - Group	None or Speed Dial Number (00 ~ 99 or 000 ~ 999)	None	
29	Repeat Redial		On (Red) : Repeat Dialing	
30	Saved Number Redial		None	
31	Memo Dial		None	
32	Meet-me Conference		None	
33	Override (Off-Hook Sig- naling)		None	
34	Barge-In		None	
35	Camp On		On (Red) : Active	
36	Department Step Call		None	
37	DND/FWD Override Call		None	
38	Message Waiting		None	
39	Room Monitoring		Slow Blink (Red) : Monitoring Fast Blink (Red) : To be monitored	

Program

Program

Function Number	Function	Additional Data	LED Indication	Note
41	Secretary Buzzer	Extension Number (8 digits)	On (Red) : Calling party Fast Blink : Called party	
42	Boss - Secretary Call Pickup	Extension Number (8 digits)	On (Red) : Active	
43	Series Call		None	
44	Common Hold		None	
45	Exclusive Hold		None	
46	Department Group Log Out		On (Red) : Withdrawing	
49	Call Redirect	Extension Number or Voice Mail Number (8 digits)	None	
50	Account Code		None	
52	Automatic Answer with Delay Message Setup	Incoming Group Num- ber (01 ~ 25)	On (Red) : Setup	
53	Automatic Answer with Delay Message Starting		On (Red) : Delay Message Answering	
54	External Call Forward by Door Box Setup		On (Red) : Setup	
55	Extension Name Edit		None	
56	General Purpose LED Operation	001 ~ 100 :	(Red) On ⇔ Off	
57	General Purpose LED Indication	001 ~ 100 :	(Red) On 🖨 Off	
58	Department Incoming Call - Immediate	Extension Group Number (01 ~ 32)	Slow Blink (Red) : Set Off : Cancel	
59	Department Incoming Call - Delay	Extension Group Number (01 ~ 32)	Slow Blink (Red) : Set Off : Cancel	
60	Department Incoming Call - DND	Extension Group Number (01 ~ 32)	Slow Blink (Red) : Set Off : Cancel	
62	Flash Key		None	
63	Outgoing Call Without Caller ID (ISDN)		On (Red) : Mode enabled	
66	CTI (V3.0 Deleted)		On (Red) : CTI active	
72	Keypad Facility Key			
73	Keypad Hold Key			
74	Keypad Retrieve Key			
75	Keypad Conference Key			
76	Application Key		None	
77	Voice Mail (In-Skin)	Extension Number or Pilot Number (8 digits)	Fast Blink (Red) : Existing new message	
78	Conversation Recording (In0skin VM)	0 = Conversation re- cording 1 = Delete, Re-record- ing 2 = Delete	Fast Blink (Red) : Recording	
79	Automated Attendant (In-Skin)	Extension Number or Pilot Number (8 digits)	On (Red) : Setup - All calls Fast Blink (Red) : Setup - No answer calls (125msec on/125msec off/125msec on/ 625msec off) (Red) : Setup - busy calls Slow Blink (Red) : Setup - busy/noans calls	

Function Number	Function	Additional Data	LED Indication	Note
80	Tandem Ringing Set Up Key	0 = Cancel 1 = Set Extension Number to Tandem Ring (8 dig- its)	On (Red) : Master Side Slow Blink (Red) : Slave Side	
81	Automatic Transfer to Transfer Key	Trunk Line Number 001 ~ 084	Off : Cancel Slow Blink (Red) : Set	
83	Conversation Recording Function	0 = Pause 1 = Re-record 2 = Address 3 = Erase 4 = Urgent Page		
84	Line Drop (send long flash)			
86	Private Call Refuse	None	Off : Cancel Slow Blink (Red) : Set	
87	Caller ID Refuse	None	Off : Cancel Slow Blink (Red) : Set	
88	Dial-In Mode Switching	Program 22-17, Table No. 1 ~ 500	Off : pattern 1, pattern 5 ~ 8 On (Red) : pattern 2 Slow Blink (Red) : pattern 3	
91	Live Monitoring Key		Slow Blink (Red) : Set	
92	Wake Up Call Indication	None	Set : On No Set : Off No answer : Blink(On (125ms)/Off (125ms)	
93	Room Status Indication	None	ON : Checked In and Clean OFF : Checked Out (clean and available) SLOW blink : Maid Required [On (500ms)/Off (500ms)] MEDIUM blink : Maid in Room [On (250ms)/Off (250ms)] FAST blink : Inspect Room [On (125ms)/Off (125ms)]	
94	Call Attendant		Fast Blink (Red) : Setup - No answer calls (125msec:on → 125msec:off → 125msec:on → 625msec:off) (Red) : Setup - Busy calls On (Red) : Setup - Busy/No answer calls	
95	Page Switching	None	Red On : Page 1 Slow Blink (Red) Page 2	
97	Door Box Access Key	Doorphone No. (1 ~ 6)	On (Red) : Door Box Busy Off : Door Box Idle Fast Blink (Red) : Door Box Incoming	
98	Message Waiting Indi- cation Key	None	ON : New Message OFF : No Message	
99	Alternate Answer Kev	None		

Table 2-8 Function Number List

[2] Appearance Function Level (*00 - *99) (Service Code 752)

Function Number	Function	Additional Data	LED Indication
*01	Trunk Key	Trunk Line Number 001 ~ 084	Fast Blink (Red) : Incoming On (Red) : Speaking Slow Blink (Red) : Holding/ Transferring/Recall
*04	Park Key	Park Number (01 ~ 64)	Slow Blink (Red) : Holding/ Recall
*07	Station Park Hold		None

Program

30

Default

- The DSS keys 001 ~ 060 of all DSS consoles = DSS/One-Touch key 101 ~ 160.
- The DSS keys 061 ~ 114 of all DSS consoles = No Setting.

Conditions

None

Feature Cross Reference

Direct Station Selection (DSS) Console

Program 30 : DSS/DLS Console Setup 30-04 : DSS Console Alternate Answer

Level: SA

Description

Use **Program 30-04 : DSS Console Alternate Answer** to assign the alternate DSS console station in case off-duty mode is set (by pressing the **ALT** key on the DSS console).

Input Data

Index 1

DSS Console Number

01 ~ 12

Index 2

ltem No.	Item	Input Data	Default
01	DSS Console Alternate Answer	Alternate DSS No. 01 ~ 12 (0 = No setting)	0 = No Setting

Conditions

• Related extension is assigned in Program 30-02. Alternate answer key (ALT key) is assigned at Program 30-03.

Feature Cross Reference

Program 30 : DSS/DLS Console Setup 30-05 : DSS Console Lamp Table

Level: <u>IN</u>

Description

Program

30

Use **Program 30-05 : DSS Console Lamp Table** to define the LED patterns for functions on the DSS consoles.

Input Data

ltem No.	Item	Input Data	Default
01	Idle Extension	0 ~ 7 (Lamp Pattern Data)	0
02	Busy Extension	0 ~ 7 (Lamp Pattern Data)	7
03	DND Extension	0 ~ 7 (Lamp Pattern Data)	3
04	ACD Agent Busy (V1.5 Added)	0 ~ 7 (Lamp Pattern Data)	7
05	Out of Schedule (ACD DSS) (V1.5 Added)	0 ~ 7 (Lamp Pattern Data)	0
06	ACD Agent log Out (ACD DSS) (V1.5 Added)	0 ~ 7 (Lamp Pattern Data)	5
07	ACD Agent Log In (ACD DSS) (V1.5 Added)	1 ~ 7 (Lamp Pattern Data)	4
09	Hotel Status Code 1 (Hotel DSS)	0 ~ 7 (Lamp Pattern Data)	7
10	Hotel Status Code 2 (Hotel DSS)	0 ~ 7 (Lamp Pattern Data)	1
11	Hotel Status Code 3 (Hotel DSS)	0 ~ 7 (Lamp Pattern Data)	2
12	Hotel Status Code 4 (Hotel DSS)	0 ~ 7 (Lamp Pattern Data)	3
13	Hotel Status Code 5 (Hotel DSS)	0 ~ 7 (Lamp Pattern Data)	5
14	Hotel Status Code 6 (Hotel DSS)	0 ~ 7 (Lamp Pattern Data)	3
15	Hotel Status Code 7 (Hotel DSS)	0 ~ 7 (Lamp Pattern Data)	6
16	Hotel Status Code 8 (Hotel DSS)	0 ~ 7 (Lamp Pattern Data)	4
17	Hotel Status Code 9 (Hotel DSS)	0 ~ 7 (Lamp Pattern Data)	3
18	Hotel Status Code 0 (Hotel DSS)	0 ~ 7 (Lamp Pattern Data)	0
19	Hotel Status Code * (Hotel DSS)	0 ~ 7 (Lamp Pattern Data)	4
20	Hotel Status Code # (Hotel DSS)	0 ~ 7 (Lamp Pattern Data)	5
21	VM Message Indication	0 ~ 7 (Lamp Pattern Data)	3

LED Pattern 0:[OFF]	
On	
Off	
LED Pattern 1:[FL: On(500ms)/Off(500ms)]	
O n O ff	
LED Pattern 2:[WK: On(250ms)/Off(250ms)]	
On On Off	
LED Pattern 3:[RW: On(125ms)/Off(125ms)]	
	Program
LED Pattern 4:[IR: On(125ms)/Off(125ms)/ On(125ms)/Off(625ms)]	
On the second se	30
LED Pattern 5:[IL On(875ms)/Off(125ms)]	
On Off	
LED Pattern 6:[IW On(625ms)/Off(125ms)/On(125ms)/Off(125ms)]	
On Configuration of the second	
LED Pattern 7:[ON]	
On	
Off	
LED Patterns for DSS Console	

Conditions

None

Feature Cross Reference

Direct Station Selection (DSS) Console

Program 31 : Paging Setup

31-01 : System Options for Internal/External Paging

Level:

Description

Program

31

Use **Program 31-01 : System Options for Internal/External Paging** to define the system options for Internal/External Paging.

The system shows the name you program on the telephone display. Use the following chart when entering and editing text. When using the keypad digits, press the key once for the first character, twice for the second character, etc. For example, to enter C, press 2 three times. Press 2 six times to display the lower case letter.

Key for Entering Names			
When entering names	s in the procedures below, refer to this chart. Names can have up to 12 digits.		
Use this keypad digit	When you want to		
1	Enter characters : 1 @ [¥] ^ _ ` { } → ← Á À Â Ã Å Æ Ç É Ê ì ó 0		
2	Enter characters : A-C, a-c, 2.		
3	Enter characters : D-F, d-f, 3.		
4	Enter characters : G-I, g-i, 4.		
5	Enter characters : J-L, j-I, 5.		
6	Enter characters : M-O, m-o, 6.		
7	Enter characters : P-S, p-s, 7.		
8	Enter characters : T-V, t-v, 8.		
9	Enter characters : W-Z, w-z, 9.		
0	Enter characters : 0 ! " # \$ % & ' () ô õ ú å ä æ ö ü α ε θ Β		
*	Enter characters : * + , / : ; < = > ? $\pi \Sigma \sigma \Omega \propto \mathfrak{E}$		
#	# = Accepts an entry (only required if two letters on the same key are needed - ex : TOM). Pressing # again = Space. (In system programming mode, use the right arrow soft key instead to accept and/or add a space.)		
Clear/Back	Clear the character entry one character at a time.		
Flash	Clear all the entries from the point of the flashing cursor and to the right.		

Input Data

ltem No.	ltem	Input Data	Description	Default	Related Program
01	All Call Paging Zone Name	Up to 12 Characters	Assign a name to each All Call Inter- nal Paging zone. The name shows on the display of the telephone mak- ing the announcement.	Group all	11-12-19 31-02-02
02	Page Announce- ment Duration	0 ~ 64800 seconds	This timer sets the maximum length of Page announcements. (Affects External Paging only)	1200 seconds	

ltem No.	ltem	Input Data	Description	Default	Related Program
04	Privacy Release Time	0 ~ 64800 seconds	Once the user initiates a Meet-Me Conference or Voice Call Confer- ence, the system waits this time for the Paged party to join the call.	90 seconds	

Conditions

None

Feature Cross Reference

- Paging, External
- Paging, Internal

Program

Program 31 : Paging Setup 31-02 : Internal Paging Group Assignment

Level: IN

Description

Program

31

Use **Program 31-02 : Internal Paging Group Assignment** to assign extensions to Internal Paging Groups (i.e., Page Zones). The setting in this program also determines if the Internal Page Group can receive Internal All Call Paging. The system can have up to 32 paging groups. An extension can be in only one Internal Paging Group.

Input Data

Extension Number		Maximum eight digits		
ltem No.	Item	Input Data	Description	Default
01	Internal Paging Group Number	0 ~ 32 (0 = No setting)	Assign extensions to Internal Paging Groups (i.e., Page Zones). The system al- lows up to 32 Internal Paging Groups. An extension can be in only one Internal Pag- ing Group.	Port 1 ~ 16 = 1 (Group 1), Port 17 ~ = 0
02	Internal All Call Pag- ing Receiving	0 = Off 1 = On	Allow or prevent All Call Internal Paging for each extension. If allowed, extension can place and receive All Call Internal Paging announcements. If prevented, extensions can only make (not receive) All Call Inter- nal Paging announcements. If combined, Paging zones should be restricted as well, change the internal page zone group in Program 31-07-01 to 0.	0

Conditions

None

Feature Cross Reference

· Paging, Internal

Program 31 : Paging Setup 31-03 : Internal Paging Group Settings

Level: IN

Description

Use **Program 31-03 : Internal Paging Group Settings** to assign names to Internal Paging Groups (i.e., Page Zones) and to define the splash tone for Internal Paging.

The system shows the names you program on the telephone display. Use the following chart when entering and editing text. When using the keypad digits, press the key once for the first character, twice for the second character, etc. For example, to enter a C, press 2 three times. Press 2 six times to display the lower case letter.

Key for Entering Names			
When entering names in the procedures below, refer to this chart. Names can have up to 12 digits.			
Jse this keypad digit When you want to			
1	Enter characters : 1 @ [¥] ^ _ ` { } →← Á À Â Â Ă Æ Ç É Ê ì ó 0		
2	Enter characters : A-C, a-c, 2.		
3	Enter characters : D-F, d-f, 3.		
4	Enter characters : G-I, g-i, 4.		
5	Enter characters : J-L, j-I, 5.		
6	Enter characters : M-O, m-o, 6.		
7	Enter characters : P-S, p-s, 7.		
8	Enter characters : T-V, t-v, 8.		
9	Enter characters : W-Z, w-z, 9.		
0	Enter characters : 0 ! " # \$ % & ' () ô õ ú å ä æ ö ü α ε θ Β		
*	Enter characters : * + , / : ; < = > ? $\pi \Sigma \sigma \Omega \propto $ ¢ £		
#	# = Accepts an entry (only required if two letters on the same key are needed - ex : TOM). Pressing # again = Space. (In system programming mode, use the right arrow soft key instead to accept and/or add a space.)		
Clear/Back	Clear the character entry one character at a time.		
Flash	Clear all the entries from the point of the flashing cursor and to the right.		

Input Data

Internal Paging Group Number		01 ~ 32		
			Description	Default
No.	item	input Data	Description	Default
01	Internal Paging Group Name	Up to 12 Characters	Assign name to Internal Paging Groups (i.e., Page Zones). The system shows the name you program on the telephone dis- play.	Refer below

Program

Default

Item 01 : Internal Paging Group Name

Extension Paging Group	Name
01	Group 1
02	Group 2
:	:
32	Group 32

Program

31

Conditions

None

Feature Cross Reference

• Paging, Internal

Program 31 : Paging Setup 31-04 : External Paging Zone Group

Level:

Description

Use **Program 31-04 : External Paging Zone Group** to assign each External Paging zone to an External Paging group. Users call the External Paging group when broadcasting announcements to the external zone.

To simplify programming and troubleshooting, always make the External Paging Zone Group the same number as the External Paging zone (i.e., 1 = 1, 2 = 2, etc.).

31

Input Data

External Speaker Number	1~3

ltem No.	Item	Input Data	Default
01	Paging Group Number	0 ~ 3 (0 = No setting, 1 ~ 3= Group number)	Speaker 1 (Basic) = 1 (Group 1) Speaker 2 (Expan- sion1) = 2 (Group 2) Speaker 3 (Expan- sion2) = 3 (Group 3)

Conditions

None

Feature Cross Reference

Paging, External

Program 31 : Paging Setup 31-05 : Universal Night Answer/Ring Over Page

Level: IN

Description

Program

31

Use Program 31-05 : Universal Night Answer/Ring Over Page to assign Universal Night Answer ringing to each External Paging zone. For each trunk port, make a separate entry for each External Paging zone. For UNA ringing, make a separate entry for each Night Service mode.

Input Data

Trunk Port Number	001 ~ 084
Day/Night Mode	1~8
External Speaker Number	1~3

External Speaker Number

ltem No.	Item	Input Data	Default
01	Universal Night Answer/Ring	0 = No Ringing (No) 1 = Ringing (Yes)	0

Conditions

None

Feature Cross Reference

- Night Service
- · Paging, External

Program 31 : Paging Setup 31-06 : External Speaker Control

Level: IN

Description

Use **Program 31-06 : External Speaker Control** to define the settings for the external speaker using an amplifier.

Input Data

	External Speaker	Number	1 ~ 3	
ltem No.	Item	Input Data	Description	Default
01	Broadcast Splash Tone Before Paging (Paging Start Tone)	0 = No Tone (None) 1 = Splash Tone 2 = Chime Tone	Use this option to enable or disable splash tone before Paging over an external zone. If enabled, the system broadcasts a splash tone before the External Paging an- nouncement.	2
02	Broadcast Splash Tone After Paging (Paging End Time)	0 = No Tone (None) 1 = Splash Tone 2 = Chime Tone	Use this option to enable or disable splash tone after Paging over an external zone. If enabled, the system broadcasts a splash tone at the end of an External Paging an- nouncement.	2
03	Speech Path	0 = Both Way (Duplex) 1 = One Way (Simplex)	Determine if the external speaker will be used for talkback (As this option is not available with the CPU external page zone, speaker 9 should be left at 1).	1
04	CODEC Transmit Gain Setup	1 ~ 63 (- 15.5 ~ + 15.5 dB)		32
05	CODEC Receive Gain Setup	1 ~ 63 (- 15.5 ~ + 15.5 dB)		32

Conditions

None

Feature Cross Reference

· Paging, External

Program 31 : Paging Setup 31-07 : Combined Paging Assignments

Level: IN

Description

Program

31

Use **Program 31-07 : Combined Paging Assignments** to assign an External Paging Group $(0 \sim 3)$ to an Internal Paging Zone $(0 \sim 32)$ for Combined Paging. When an extension user makes a Combined Page, they simultaneously broadcast into both the External and Internal Zone.

Use Program 31-04-01 to assign an External Paging Zone $(1 \sim 3)$ to an External Page Group $(0 \sim 3)$.

Input Data

External Paging Group Number	0 ~ 3 (0 = All External Paging)
------------------------------	---------------------------------

ltem No.	Item	Input Data	Default
01	Internal Paging Group Number	0 ~ 32 (0 = All Internal Paging)	1

Conditions

None

Feature Cross Reference

- · Paging, External
- · Paging, Internal

Program 31 : Paging Setup 31-08 : BGM on External Paging

Level: IN

Description

Use **Program 31-08 : BGM on External Paging** to set the Background Music option for each External Paging zone. If enabled, the system plays Background Music over the zone when it is idle.

Input Data

External Speaker Number			1~3		
ltem No.	Item	Input Data	Description	Default	
01	BGM	0 = BGM Prevented (No) 1 = BGM allowed (Yes)	Use this option to allow or prevent the Ex- ternal Paging zone you select from broad- casting Background Music when it is idle.	0	

Conditions

None

Feature Cross Reference

- Background Music
- Paging, External

Program 31 : Paging Setup 31-10 : External Paging Group Basic Setting

Level: IN

Description

group and defines the splash tone for external paging.

Program

31

Input Data

External Speaker Number			01 ~ 03	
ltem No.	Item		Input Data	Default
01	External Speaker Name	Up to 12 Cr	aracters	External Speaker Num- ber 01 = Group 1 External Speaker Num- ber 02 = Group 2 External Speaker Num- ber 03 = Group 3

Use Program 31-10 : External Paging Group Basic Setting assigns the name of external paging

Conditions

None

Feature Cross Reference

Program 32 : Door Box and Sensor Setup 32-01 : Door Box Timers Setup

Level: IN

Description

Use Program 32-01 : Door Box Timers Setup to assign the timers used for the Door Box.

The Door Box feature is called Door Phone when programming via WebPro and using a multiline terminal.

32

Input Data

ltem No.	ltem	Input Data	Description	Default
01	Door Box Answer Time	0 ~ 64800 seconds	A user can answer the door box during the time specified in this program.	30 seconds
02	Door Lock Cancel Time	0 ~ 64800 seconds	When a user activates the door lock re- lease relay, this program specifies the amount of time the door strike remains open.	10 seconds
03	Off-Premise Call For- ward by Door Box Disconnect Timer	0 ~ 64800 seconds	Define the conversation period for an Off- Premise Call Forward by Door Box call. When this timer expires, the caller hears busy tone for three seconds (fixed time), and the call is then disconnected.	60 seconds

Conditions

None

Feature Cross Reference

Program 32 : Door Box and Sensor Setup 32-02 : Door Box Ring Assignment

Level: SA

Description

Program

32

Use **Program 32-02 : Door Box Ring Assignment** to assign the extension which rings when a caller presses the associated Door Box call button.

The Door Box feature is called Door Phone when programming via WebPro and using a multiline terminal.

Input Data

Door Box Number	1 ~ 6

1~8

01 ~ 32

Day/Night Mode

Door Box Ring Group Number

ltem No.	Item	Input Data	Default
01	Extension Number	Maximum eight digits	Door Box Ringing Member 1 = 101 Other : No Setting

Conditions

None

Feature Cross Reference

Program 32 : Door Box and Sensor Setup 32-03 : Door Box Basic Setup

Level:

Description

Use **Program 32-03 : Door Box Basic Setup** to select the chime pattern and gain level for each Door Box. There are six distinctive chime patterns. The chime tones are defined in 80-01 : Service Tone Setup. on page 2-449

The Door Box feature is called Door Phone when programming via WebPro and using a multiline terminal.

32

Input Data

Г

Door Box Nun	nber	1~6		
•				_

ltem No.	Item	Input Data	Description	Default
01	Chime Pattern	0 = None 1 = Door Box Ring 1 2 = Door Box Ring 2 3 = Door Box Ring 3 4 = Door Box Ring 4 5 = Door Box Ring 5 6 = Door Box Ring 6	Per door box specify the chime pattern for ringing.	Door Box 1 = 1 Door Box 2 = 2 Door Box 3 = 3 Door Box 4 = 4 Door Box 5 = 5 Door Box 6 = 6
02	CODEC Transmit Gain Setup	1 ~ 63 (- 15.5 dB ~ + 15.5 dB)	This program controls the gain levels from the system to the door box.	32
03	CODEC Receive Gain Setup	1 ~ 63 (- 15.5 dB ~ + 15.5 dB)	This program controls the gain levels from the door box to the system.	32

Conditions

None

Feature Cross Reference

Program 32 : Door Box and Sensor Setup 32-04 : Door Box Name Setup

Level: IN

Description

Program

32

Use **Program 32-04 : Door Box Name Setup** to define the name of each Door Box.

The Door Box feature is called Door Phone when programming via WebPro and using a multiline terminal.

Input Data

Door Box Number	1~6
-----------------	-----

ltem No.	Item	Input Data	Description	Default
01	Door Box Name	Up to 12 characters	Per door box assign a name up to 12 char- acters long.	Door Box Name 1 = DOOR-1 Door Box Name 2 = DOOR-2 Door Box Name 3 = DOOR-3 Door Box Name 4 = DOOR-4 Door Box Name 5 = DOOR-5 Door Box Name 6 = DOOR-6

Conditions

None

Feature Cross Reference

Program 34 : Tie Line Setup 34-01 : E&M Tie Line Basic Setup

Level: IN

Description

Use **Program 34-01 : E&M Tie Line Basic Setup** to define the basic settings for each E&M Tie line.

Input Data

Г

Trunk Port Number			001 ~ 084			
ltem No.	ltem	Input Data		Description	Default	Related Program
01	DID/E&M Start Signaling	0 = 2 nd Dial Tone 1 = Wink 2 = Immediate 3 = Delay	Set th and T can u wink s	e start signaling mode for DID ie trunks. DID and Tie trunks se either immediate start or start signaling.	1	22-02
02	Receive Dial Type for E&M Tie Line	0 = DP 1 = DTMF 2 = MF			1	10-09
03	E&M Dial-In Mode	0 = Specify Extension Number (Intercom) 1 = Use Conversion Ta- ble (NTT)	Deter call sl com c Trans	mine if the incoming Tie Line hould be directed as an inter- call or if it should follow the DID lation Table in Program 22-11.	0	22-11
04	E&M Line Dial Tone	0 = Disable (No) 1 = Enable (Yes)	Enter dial to the ca Line s	1 if the Tie Line should send one to the calling system after all is set up. Enter 0 if the Tie should not send dial tone.	1	
05	System Toll Re- striction	0 = System 1 = Each Extension	Deter call sl tion. I the P then i ~ 21-	mine if an incoming Tie Line hould be subject to Toll Restric- f it is set to 0 then it will use rogram 21-05-13, if it is set to 1 t will used Programs 21-05-01 05-13.	0	21-05

Conditions

None

Feature Cross Reference

None

Program

Program 34 : Tie Line Setup 34-02 : E&M Tie Line Class of Service

Level: IN

Description

Program

34

Use **Program 34-02 : E&M Tie Line Class of Service** to assign a Class of Service to a Tie line (there are 15 Tie line Classes of Service). The Class of Service options are defined in Program 20-14. For each Tie line, make a separate entry for each Night Service mode.

Input Data

Trunk Port Number	001 ~ 084
Day/Night Mode	1~8

ltem No.	Item	Input Data	Default	Related Program
01	Class	1 ~ 15	1	20-14

Conditions

• Program 20-06 cannot be used to assign Class of Service to Tie lines.

Feature Cross Reference

Program 34 : Tie Line Setup 34-03 : Trunk Group Routing for E&M Tie Lines

Level: <u>IN</u>

Description

Use **Program 34-03 : Trunk Group Routing for E&M Tie Lines** to assign the trunk group route 01 ~ 25) chosen when a user seizes a Tie Line and dials 9. (Set Trunk Group Routing in Program 14-07.) If the system has Automatic Route Selection (ARS/F-Route), dialing 9 accesses ARS. Make a separate entry for each Tie Line - for each Night Service Mode.

Program

Input Data

Trunk Port Number	001 ~ 084

Day/Night Mode

1~8

ltem No.	Item	Input Data	Default
01	Route Table Number	00 ~ 25 (0 = No setting)	1

Conditions

None

Feature Cross Reference

Program 34 : Tie Line Setup 34-04 : E&M Tie Line Toll Restriction Class

Level: IN

Description

Program

4

Use **Program 34-04 : E&M Tie Line Toll Restriction Class** to enter a Toll Restriction Class for each Tie Line. There are 15 Toll Restriction Classes which are defined in Programs 21-05 and 21-06. For each Tie Line, you make a separate Toll Restriction Class entry for each Night Service mode.

Input Data

Trunk Port Number	001 ~ 084	
Day/Night Mode	1~8	

ltem No.	Item	Input Data	Default	Related Program
01	Toll Restriction Class	1 ~ 15	2	21-05 14-01-08

Conditions

• Program 20-06 cannot be used to assign Toll Restriction to Tie Lines.

Feature Cross Reference
Program 34 : Tie Line Setup 34-05 : Tie Line Outgoing Call Restriction

Level: IN

Description

Use **Program 34-05 : Tie Line Outgoing Call Restriction** to build a restriction matrix for outgoing trunk calls placed from an inbound trunk (e.g., dialed from a Tie Line). For each inbound trunk group, enable or disable access to each CO trunk group.

Input Data

Incoming Trunk Group Number	01 ~ 25
Trunk Group Number	01~25

ltem No.	Item	Input Data	Default
01	Outgoing Trunk Group Number	0 = Enable (Y-Tandem) 1 = Restricted (N-Tandem)	0

Conditions

None

Feature Cross Reference

None

Program

Program 34 : Tie Line Setup 34-06 : Add/Delete Digit for E&M Tie Line

Level: IN

Program

Description

Use **Program 34-06 : Add/Delete Digit for E&M Tie Line** to set digits that the system should add or delete for Tie Lines.

Delete Digit

Some Tie Line networks pass the location number and extension number to the remote side. This program allows the system to ignore such numbers for a call.

If individual extension users do not want to receive an incoming call, they could delete all digits including the extension number.

Add Digit

If a Tie Line network requires additional digits to reroute the call to a location, the digits for the location can be added to the received digits.

Input Data

Incoming Trunk Group Number	01 ~ 25
-----------------------------	---------

ltem No.	Item	Input Data	Default
01	Delete Digit	0 ~ 255 (255 = delete all digits)	0
02	Additional Dial Digits	Up to four digits (0 ~ 9, *, #)	No Setting

Conditions

None

Feature Cross Reference

Program 34 : Tie Line Setup 34-07 : E&M Tie Line Timer

Level: IN

Description

Use Program 34-07 : E&M Tie Line Timer to define the system service tone timers.

Input Data

ltem No.	Item	Input Data	Default
01	First Digit Pause (E&M Immediate Start)	0 ~ 64800 seconds	3 seconds
02	First Digit Pause (E&M Wink Start)	0 ~ 64800 seconds	0
03	First Digit Pause (LD Trunk)	0 ~ 64800 seconds	3 seconds
04	LD Trunk Guard Time	0 ~ 64800 seconds	0
05	Trunk Answer Detect Timer for E&M	0 ~ 64800 seconds	30 seconds

Conditions

• If Program 34-07-05 is left at default (30) the transferred call recalls to the station that performed the transfer when not answered.

Feature Cross Reference

Program 34 : Tie Line Setup 34-08 : Toll Restriction Data for E&M Tie Lines

01 ~ 20

Level:

Program

34

Description	
Use Program 34-08 : Toll Restriction Data for E & E&M Tie Lines. This data should be defined if Tie L	&M Tie Lines to define the toll restriction data for ine Toll Restriction is enabled in Program 21-05-13.
Input Data	
Class of Service	01 ~ 15

ltem No.	ltem	Input Data	Default	Related Program
01	Dial Data	Up to 10 Digits (0 ~ 9, *, #)	No Setting	21-05-13

Conditions

None

Feature Cross Reference

Table No.

Program 34 : Tie Line Setup 34-09 : ANI/DNIS Service Options

Level: IN

Description

Use **Program 34-09 : ANI/DNIS Service Options** to define the ANI/DNIS service option setup for E&M Class of Service.

Input Data

Class of Service		01 ~ 15				
Itom	Itom	Input Data		Description	Dofault	Polatod
No.	Item	input Data		Description	Delault	Program
01	Receive Format	0 = Address 1 = * ANI* 2 = * DNIS* 3 = * ANI* Address* 4 = * ANI* DNIS* 5 = * DNIS* ANI* (* = Delimiter Code)	Use to of the The The Complexity of the The Complexity of the Comp	this option to specify the format e ANI/DNIS data received from elco. Make sure your entry is patible with the service the Tel- ovides. The character* indi- s a delimiter. If Program 34-01-02 is selected to 2 (MF), this Program works only as 4 =*ANI*DNIS*.	COS 01 = 0 COS 02 ~ 15 = 0	34-01-02 34-09-02
02	Delimiter Dial Code	1~9, 0, #, *	This Telco tries entrie	option defines the character uses as a delimiter (see en- 1 ~ 5 in Item 1 above). Valid es are 0 ~ 9, #, and *.	COS 01 = * COS 02 ~ 15 = *	34-09-01
03	Route Setup of Receive Dial	0 = Fixed Route (Item 08) (No Routing) 1 = Routes on Re- ceived DNIS or Ad- dress Data 2 = Routes on Re- ceived ANI Data	This of the d comin select	option specifies the source of ata the system uses to route in- ng ANI/DNIS calls. If option 2 is ted, refer to Program 34-09-04.	COS 01 = 0 COS 02 ~ 15 = 0	22-09-01 22-11-01 34-09-04 34-09-08

Program

Program

ltem No.	Item	Input Data	Description	Default	Related Program
04	Route Table Set- up of Target Dial	0 = SPD Table (Program 13-03) 1 = DID Table (Program 22-11)	The option sets how the system uses the route data (gathered in Item 3) to route incoming ANI/DNIS calls. If option 2 is selected, and the call is to be routed using the DID table (1), up to eight digits can be matched. The number of expected digits set in Program 22-09-01 must match the ANI digits defined in Program 22-11-01. For example, if an ANI/ DNIS number received was *2035551234*3001* and Program 22-09- 01 = 4, the entry in 22-11-01 must be 1234 with the defined target extension. If the call is to be routed using the ABB table (0), up to 36 digits can be matched. Define the range of the ABB table to be used in Program 34-09-06. The data is compared to the entries in Program 13-04-01 and then routed according to Program 13-04-03.	COS 01 = 0 COS 02 ~ 15 = 0	13-04 22-11-03 34-09-05
05	ANI/DNIS Display as Target Dial Name	0 = Display Off 1 = Display On	Use this option to set whether or not ANI data should appear on tele- phone displays as part of Caller ID display.	COS 01 = 1 COS 02 ~ 15 = 0	13-04 20-09-02 22-11-03 23-09-04
06	Routing SPD Ta- ble Setup	Start = 0, 100 ~ 900 End = 0, 99 ~ 999	Use this option to define which part of the ABB Table set up in Program 13-04 the system uses for ANI/DNIS Caller ID look-ups and ANI/DNIS routing. This is required if Items 4 and 5 above are 1 (Caller ID on). When you specify a starting and end ad- dress, the system uses the part of the table for look-ups. When you specify a starting address and length, the system uses that part of the table for routing. If the in- coming ANI/DNIS number data matches the Number entry in the ta- ble, the system routes according to the associated Name data. That da- ta can be an extension, Department Group pilot number, the voice mail master number or a trunk ring group.	COS 01 = Start = 900 End = 999 COS 02 ~ 15 = Start = 0 End = 0	13-04
07	Routing on ANI/ DNIS Error	0 = Play Busy Tone to Caller 1 = Route Caller to Ring Group Specified in Program 25-03 (Transfer)	This option lets you determine how the system handles an ANI/DNIS call if a data error is detected in the incoming data string.	COS 01 = 1 COS 02 ~ 15 = 0	25-03
08	Routing When Destination Busy or No Answer	0 = Play Busy or Ring- back Tone to Caller (Busy/ NoAns) 1 = Route Caller to Ring Group Specified in Program 25-04 (Transfer)	This option lets you determine how the system handles an ANI/DNIS call if destination is busy or does not answer.	COS 01 = 0 COS 02 ~ 15 = 0	25-04

ltem No.	ltem	Input Data	Description	Default	Related Program
09	Calling Number Address Length	1~8	When Item 01 = 0 (ANI/DNIS receive format is the address), use this option to specify the address length. The choices are from $1 \sim 8$ digits.	COS 01 = 7 COS 02 ~ 15 = 7	34-09-01

Conditions

None

Feature Cross Reference

None

Program

Program 34 : Tie Line Setup 34-10 : Digit Delete for T1 ANI

Level: IN

Description

Network on Feature Group D Trunks.

Program

34

Input Data

Incoming Trunk Group Number			001 ~ 025		
ltem No.	Item	Input Data	Description	Default	
01	Delete digit	0 ~ 9 (0 = No delete)	Example : ANI Information = 111222 Delete = 2 digits After digit been deleted = 1222	2	

Use Program 34-10 : Digit Delete for T1 ANI to delete the Information Digits received from the

Conditions

None

Feature Cross Reference

Program 35 : SMDR Account Code Setup 35-01 : SMDR Options

Level: IN

Description

Use **Program 35-01 : SMDR Options** to set the SMDR (Station Message Detail Recording) options for each of the eight SMDR ports. Refer to the following chart for a description of each option, its range and default setting.

Input Data

	SMDR Port Number		1~2		
ltem No.	ltem	Input Data	Description	Default	
01	Output Port Type	0 = No Setting (SMDR disabled) 3 = LAN (SMDR enabled and sent out of the LAN port.)	This option specifies the type of connec- tion used for SMDR. The baud rate for the COM port should be set in Program 10-21-02 or 15-02-19.	SMDR port1 : 3 SMDR port2 : 0	
03	Header Language	0 = English 1 = German 2 = French 3 = Italian 4 = Spanish	Specify the language in which the SMDR header should be printed.	0	
04	Omit Digits	0 ~ 24 (0 = Not applied)	The number of digits entered in this option does not print on the SMDR report. For ex- ample, if the entry is 10, the first 10 digits a user dials do not appear on the SMDR re- port.	0	
05	Minimum Digits	0 ~ 24 (0 = Not applied)	Outgoing calls must be at least this num- ber of digits for inclusion in the SMDR re- port.	0	
06	Minimum Call Dura- tion	0 ~ 65535 seconds (0 = All)	The duration of the call must be at least this time to be included on the SMDR report.	0	
07	Minimum Ring Time (For Incoming Calls)	0 ~ 65535 seconds (0 = All)	A call must ring for at least this time to be included on the SMDR report.	0	
08	Format Selection	0 = Format1 Type (North America) 1 = Format2 Type (Over- seas)		0	

Conditions

None

Program

35

Programming Manual

Feature Cross Reference

Station Message Detail Recording

Program



Program 35 : SMDR Account Code Setup 35-02 : SMDR Output Options

Level: IN

Description

Use **Program 35-02 : SMDR Output Options** to set the SMDR (Station Message Detail Recording) output options for each of the eight SMDR ports. Refer to the following chart for a description of each option, its range and default setting.

Input Data

SMDR Port Number		mber	1~2		
ltem No.	Item	Input Data	Description	Default	
01	Toll Restricted Call	0 = Not Displayed 1 = Displayed	SMDR can include or exclude calls blocked by Toll Restriction.	1	
02	PBX Calls	0 = Not Displayed 1 = Displayed	When the system is behind a PBX, SMDR can include all calls (1) or just calls dialed using the PBX trunk access code (0).	1	
03	Trunk Number or Name	0 = Name 1 = Number	Select whether the system should display the trunk name (0) or the number (1) on SMDR reports. <i>If this option is set to 1, Program</i> 35-02-14 must be set to 0.	1	
04	Summary (Daily)	0 = Not Displayed 1 = Displayed	Set this option to (1) to have the SMDR report provides a daily summary (at midnight every night).	1	
05	Summary (Weekly)	0 = Not Displayed 1 = Displayed	Set this option to (1) to have the SMDR report provides a weekly summary (every Saturday at midnight).	1	
06	Summary (Monthly)	0 = Not Displayed 1 = Displayed	Set this option to (1) to have the SMDR re- port provides a monthly summary (at mid- night on the last day of the month).	1	
07	Toll Charge Cost	0 = Not Displayed 1 = Displayed	Set this option to (1) have the SMDR report include toll charges.	1	
08	Incoming Call	0 = Not Displayed 1 = Displayed	Enable this option (1) to have the SMDR report include incoming calls. If you disable this option (0), incoming calls do not print.	1	
09	Extension Number or Name	0 = Name 1 = Number	Set this option (1) to have the SMDR report include extension numbers. Set this option (0) to have the SMDR report include extension names.	1	
10	All Lines Busy (ALB) Output	0 = Not Displayed 1 = Displayed	Determine if the All Lines Busy (ALB) indi- cation should be displayed.	0	
11	Walking Toll Restric- tion Table Number	0 = Not Output 1 = Output		1	
12	DID Table Name Out- put	0 = Not Displayed 1 = Displayed	Determine if the DID table name should be displayed.	0	

Program

35

Program

35

ltem No.	Item	Input Data	Description	Default
13	CLI Output When DID to Trunk	0 = Not Displayed 1 = Displayed	Determine if the CLI output should be dis- played for DID.	0
14	Date	0 = Not Displayed 1 = Displayed	Determine whether or not the date should be displayed on SMDR reports. Image: This option must be set to 0 if the trunk name is set to be displayed in Program 35-02-03.	0
15	CLI/DID Number Switching	0 = CLI (CLIP) 1 = DID Calling Number 2 = Calling Party Name	Determine whether or not the CLI/DID Number Switching should be displayed.	0
16	Trunk Name or Re- ceived Dialed Number	Name or Re- d Dialed Number0 = Trunk Port Name 1 = Received Dialed Number 2 = BothDetermine how the SMDR should print in- coming calls on ANI/DNIS or DID trunks. If set to (1), ANI/DNIS trunks can print DNIS digits. If set to (0) trunk names are printed instead.		0
17	Print Account Code or Caller Name of In- coming Call	0 = ACC 1 = CNAME	Determine if SMDR should print Account Code or Caller Name of Incoming Call.	0
18	Print Mode for Caller Name of Incoming Call	0 = Normal 1 = Line Feed	Determine how SMDR should print Caller Name of Incoming Call.	0
19	Dialed Number Out- put Format	0 = Display from the first digit 1 = Display from the last digit	Determine if the dialed number should dis- play from the first digits or from the last digits. This option is only available for out- going calls.	0
20 External Information CFW Mode		0 = Transfer Information 1 = Incoming Information	Determine which information is displayed in the "STATION" area for a transferred call when the extension has Call Forward set with an Abbreviated Dial number as the destination. Selecting "0" (Transfer In- fo) will display the extension number which called the extension with external Call For- ward set. Selecting "1" (Incoming Info) will display the extension number which has the external Call Forward set. This option only applies when Call For- ward is set using a service code (Pro- grams 11-11-01 ~ 11-11-07) and the desti- nation uses an Abbreviated Dial bin. It does not include Off-Premise or Centrex transfers.	0
21	S-Point Terminal Number	0 = MSN Number 1 = Extension Number		0
22	Security Auto Dialing	0 = No Output 1 = Output	Emergency call from Watch Mode. Define SMDR output on/off. Output is SAD (Se- curity auto dialing).	1
23	Watch Auto Dialing 0 = No Output Emergency call from Remote Inspection. 1 = Output Define SMDR output on/off. Output is WAD (Watch auto dialing)		1	
25	Call Waiting (V4.0 Added)	0 = No Output 1 = Output	Define Call Waiting output on/off	1

Conditions

Feature Cross Reference

Station Message Detail Recording

Program

Program 35 : SMDR Account Code Setup 35-03 : SMDR Port Assignment for Trunk Group

Level: IN

Description

Program

35

Use **Program 35-03 : SMDR Port Assignment for Trunk Group** to assign the SMDR port for each trunk group. For each Trunk Group, select the SMDR port where the incoming SMDR information should be sent.

Input Data

Trunk Group Number	01 ~ 25
--------------------	---------

ltem No.	Item	Input Data	Default
01	SMDR Port No.	1 ~ 2	1

Conditions

None

Feature Cross Reference

- Station Message Detail Recording
- Trunk Group Routing

Program 35 : SMDR Account Code Setup 35-04 : SMDR Port Assignment for Department Groups

Level: IN

Description

Use **Program 35-04 : SMDR Port Assignment for Department Groups** to assign the SMDR port for each Department Group. For each Department Group, select the SMDR port where the outgoing SMDR information should be sent.



There are 32 available Department Groups.

Input Data

Department Group Number	01 ~ 32
-------------------------	---------

ltem No.	Item	Input Data	Default
01	SMDR Port No.	1~2	1

Conditions

None

Feature Cross Reference

Station Message Detail Recording

Program 35 : SMDR Account Code Setup 35-05 : Account Code Setup

<u>...</u>

Level: IN

Description

~

. .

• •

Program

35

Input Data

	Class of Service Number		01 ~ 15		
ltem No.	Item	Input Data	Description	Default	
01	Account Code Mode	0 = Account Codes Disa- bled 1 = Account Codes Op- tional (This is for the ac- count code entry fea- ture.) 2 = Account Code Re- quired Not Verified (Forced Account Codes enabled, no verification with the system re- quired) 3 = Account Code Re- quired and Verified (Forced Account Codes enabled, verification with PRG 35-06-01 required)	Use this option to select the Account Code Mode (0 ~ 3).	0	
02	Forced Account Code Toll Call Setup	0 = Account Codes for ALL calls 1 = Account Codes for TOLL calls	Use this option enable Account Codes for all calls or just toll calls (for mode 2 or 3 in Item 01 above).	0	
03	Account Codes for In- coming Calls	0 = Disabled (User can- not enter an account code.) 1 = Enabled (User can enter an account code while on an incoming call.)	Use this option to allow users to enter Ac- count Codes for incoming calls. If disabled, any codes entered dial out on the connec- ted trunk.	0	
04	Hiding Account Co- des	0 = Account Codes dis- played 1 = Account Codes not displayed	Use this option to either hide or show the Account codes on a telephone display.	0	

Use **Program 35-05 : Account Code Setup** to set various Account Code options for an extension

Class of Service. Assign a Class of Service to extensions in Program 20-06.

Conditions

Feature Cross Reference

Account Code Forced/Verified/Unverified

Program

Program 35 : SMDR Account Code Setup 35-06 : Verified Account Code Table

Level: <u>IN</u>

Description

Program

35

Use **Program 35-06 : Verified Account Code Table** to enter Account Codes into the Verified Account Code list. You can enter up to 800 codes with $1 \sim 16$ digits, using the characters $0 \sim 9$ or #. Use the LK1 to enter a wild card. For example, the entry @234 means the user can enter 0234-9234.

Input Data

Verified Account Code Bin Number	1 ~ 800
----------------------------------	---------

ltem No.	ltem	Input Data	Description	Default
01	Verified Account Code	1 ~ 9, 0, #, @ (@ = Wild card) (Up to 16 digits)	If PRG 35-05-01 is set to a (3), required and verified, this is where the verified ac- count code list is created in the system. Up to 800 account codes with 1 ~ 16 digits can be entered. Wild cards can be entered by using the @ symbol. For example @234 means the user can enter 0234 ~ 9234 as valid ac- count codes. The digit $*$ cannot be used in the account code because this digit is used to start and end the account code entry.	No Setting

Conditions

None

Feature Cross Reference

· Account Codes - Forced/Verified/Unverified

Program 40 : Voice Recording System 40-01 : Voice Mail Basic Setup

Level:

Description

Use Program 40-01 : Voice Mail Basic Setup to set the Basic setting of Voice Mail.

Input Data

ltem No.	Item	Input Data	Default
01	Fixed Channel for Voice Mail	0~16	0
02	Time Stamp	0 = Disable 1 = Enable	1
03	Conversation recording mode after Transfer	0 = Stop 1 = Continue	1
04	Automated Attendant	0 = Disable 1 = Enable	1
05	Maintenance Time	0000 ~ 2359 (0000 = No setting)	0000
06	Automatic Erase Mail	0 ~ 180 (Day)	0
07	Escape from DSPDB-VM while At- tendant Message	0 = Disable 1 = Enable	0
08	Display caller ID while recording message playing	0 = Disable 1 = Enable	1
10	Department group call when the automated attendant is activate	0 = Disable 1 = Enable	0

Conditions

None

Feature Cross Reference

Program 40 : Voice Recording System 40-07 : Voice Prompt Language Assignment for VRS

Level: <u>IN</u>

Description

Program

4.0 Input Data

Use **Program 40-07 : Voice Prompt Language Assignment for VRS** to specify the language to be used for the VRS prompts.

ltem No.	ltem	Input Data	Default
01	Voice Prompt Language Assign- ment for VRS	01 = US English 02 = UK English 03 = Australian English 04 = French Canadian 05 = Dutch 06 = Mexican Spanish 07 = Latin America Spanish 08 = Italian 09 = German 10 = Madrid Spanish 11 = Norwegian 12 = Parisian French 13 = Brazilian Portuguese 14 = Japanese 15 = Mandarin Chinese 16 = Korean 17 = Iberian Portuguese 18 = Greek 19 = Danish 20 = Swedish 21 = Thai 22 = Mandarin Chinese (Taiwan) 23 = Flemish 24 = Turkish 25 = Arabic 26 = Russian (V3.0 Added)	1

Conditions

None

Feature Cross Reference

Voice Mail Integration (Analog)

Program 40 : Voice Recording System 40-10 : Voice Announcement Service Option

Level: IN

Description

In **Program 40-10 : Voice Announcement Service Option** define the system options for the Voice Announcement feature.

Input Data

ltem No.	ltem	Input Data	Description	Default	Related Program
01	VRS Fixed Mes- sage	0 = Disable (VRS fixed message will not be played.) 1 = Enable (VRS fixed message will be played.)	Enable (1) or disable (0) the system ability to play the fixed VRS mes- sages (such as You have a mes- sage).	0	
02	General Message Number	0 ~ 100 (0 = No General Mes- sage Service)	This item assigns the VRS message number to use for the General Message.	0	
03	VRS No Answer Destination	0 ~ 25 (Incoming Ring Group Number)	This item assigns the transferred Ring Group when the VRS is unan- swered after Call Forwarding with Personal Greeting Message.	0 (No Setting)	
04	VRS No Answer Time	0 ~ 64800 seconds	If an extension has Personal Greet- ing enabled and all VRS ports are busy, a DIL or DISA call to the ex- tension waits this time for a VRS port to become free.	0	
05	Park and Page Repeat Timer (VRS Msg Re- send)	0 ~ 64800 seconds	If a Park and Page is not picked up during this time, the Paging an- nouncement repeats.	0	
06	Set VRS Mes- sage for Private Call Refuse (VRS Msg Private Call)	0 = No Message Played 1 ~ 100 = VRS Mes- sage 1 ~ 100 101 = VRS Fixed mes- sage (Message will on- ly play if PRG 40-10-01 is enabled.)	This item assigns the VRS Message number to be used as Private Call Refuse. When Fixed message is set, VRS message guidance is: "Your call cannot go through."	0	14-01-27
07	Set VRS Mes- sage for Caller ID Refuse (VRS Msg CID)	0 = No Message Played 1 ~ 100 = VRS Mes- sage 1 ~ 100 101 = VRS Fixed mes- sage (Message will on- ly play if PRG 40-10-01 is enabled.)	This item assigns the VRS Message number to be used as Caller ID Re- fuse. When Fixed Message is set, VRS message guidance is: "Your call cannot go through."	0	14-01-27
08	Call Attendant Busy Message	0 ~ 100 (0 = No message)		0	15-01-08

Program

ltem No.	ltem	Input Data	Description	Default	Related Program
09	Call Attendant No Answer Mes- sage	0 ~ 100 (0 = No message)		0	15-01-09
10	Call Forward Re- mainder An- nouncement (V2.0 Added)	0 = Do not play 1 = Play	Flag that control the playback of the VRS announcements for 'on the for- warded phone'.	1	40-10-01
11	Call Forward No- tification An- nouncement (V2.0 Added)	0 = Do not play 1 = Play	Flag that control the playback of the VRS announcements for 'towards the incoming call'.	1	40-10-01

Program

40

Conditions

None

Feature Cross Reference

Voice Response System (VRS)

Program 40 : Voice Recording System 40-11 : Preamble Message Assignment

Level: IN

Description

In **Program 40-11 : Preamble Message Assignment** to assign the VRS message number to be used as the Preamble Message for each trunk. When the extension user answers the incoming call, the assigned VRS message is sent to the outside caller.

Input Data

Trunk Port Number	001 ~ 084
Day/Night Mode	1~8

ltem No.	Item	Input Data	Default
01	VRS Message Number	0 ~ 100 (0 = No Service)	0

Conditions

None

Feature Cross Reference

• Voice Response System (VRS)

40

Programming Manual

Program 41 : ACD Setup 41-01 : System Options for ACD

Level:

<u>IN</u>

(This Program is available for V4.0 or higher)

Program

41

Description In **Program 41-01 : System Options for ACD** define the system options for the ACD feature.

Input Data

ltem No.	Item	Input Data	Default
03	ACD MIS Connection Ports	0 = None 3 = LAN (CPU)	0

Conditions

None

Feature Cross Reference

Automatic Call Distribution (ACD)

Program 41 : ACD Setup 41-02 : ACD Group and Agent Assignments

Level: SA

(This Program is available for V1.5 or higher)

Description

In **Program 41-02 : ACD Group and Agent Assignments**, to set the name of Abbreviated Dial Group Name. for each ACD extension number, assign an ACD Group ($01 \sim 02$). An ACD Group number is assigned to each Work Period number ($1 \sim 8$).

The assigned extension works as an ACD agent extension in the following cases:

- The trunk belonging to an ACD group receives an incoming call while an ACD agent is logged in.
- An extension transfers a call to an ACD group using the ACD group pilot number.
- An incoming call is received with a DID/DISA number which is assigned as an ACD pilot number.

Input Data

Extension Number	Up to eight digits
ACD Work Period Mode Number	01 ~ 08

ltem No.	ltem	Input Data	Description	Default
01	ACD Group No.	0 ~ 2 0 = No Setting	Designate for each incoming trunk, wheth- er or not Night Announcement Service is assigned.	0

Conditions

None

Feature Cross Reference

Automatic Call Distribution (ACD)

Program

Program 41 : ACD Setup

41-03 : Incoming Ring Group Assignment for ACD Group

Level: SA

(This Program is available for V1.5 or higher)

Description

Program

In **Program 41-03 : Incoming Ring Group Assignment for ACD Group** for each incoming trunk group set up in Program 22-05, designate which ACD Group (01 ~ 02) the trunks should ring for each of the eight Work Periods. Also use this program to assign an Incoming Trunk Ring Group as priority or normal. Use Program 41-06 to set up the Work Schedules and Work Periods for trunks. Use Program 41-07 to assign the Work Schedules to the days of the week.

Input Data

Incoming Ring Group Number	01 ~ 25

ACD Work Period Mode Number	1~8
-----------------------------	-----

ltem No.	ltem	Input Data	Description	Default
01	ACD Group Number	0 ~ 2 0 = No Setting	For each incoming trunk group set up in Program 22-05, designate which ACD Group (1 ~ 2) the trunks should ring for each of the eight Work Periods.	0
02	Night Announcement Service	0 = No 1 = Yes	Designate for each incoming trunk, wheth- er or not Night Announcement Service is assigned.	0
03	Priority Data	0, 1 ~ 7 0 = No Priority 1 = Highest Priority 7 = Lowest Priority	Determine whether or not an incoming call to a trunk ring group should follow a priori- ty assignment.	0

Conditions

None

Feature Cross Reference

- Automatic Call Distribution (ACD)
- Ring Groups

Program 41 : ACD Setup 41-05 : ACD Agent Work Schedules

Level: SA

(This Program is available for V1.5 or higher)

Description

Use **Program 41-05 : ACD Agent Work Schedules** to set up the Work Schedules for ACD Agents and Groups. For each ACD Work Schedule (1~4), designate the start and stop times for each of the eight Work Periods. After you set up the schedules in this program, assign them to days of the week in Program 41-07. (This is the same program used by the Trunk Work Schedules.)

ACD extensions can log in only during their work period. ACD extensions receive the following calls when they are logged in.

- ACD Call on a Trunk When the incoming ring group is assigned in the operating time (Programs 41-03 and 41-06).
- ACD Pilot Number Call Any time - if ACD extensions are available.

Input Data

	ACD Work Schedule Time Pattern	1 ~ 4
--	--------------------------------	-------

Item No.	Item	Input Data	Default
01	Work Period Mode Number	1~8	(Start) 0000 (End) 0000
	Start Time	0000 ~ 2359	
	End Time	0000 ~ 2359	

Conditions

None

Feature Cross Reference

• Automatic Call Distribution (ACD)

Program

Program 41 : ACD Setup 41-06 : Trunk Work Schedules

Level:

<u>SA</u>

(This Program is available for V1.5 or higher)

Program Description

Use **Program 41-06 : Trunk Work Schedules** to set up the Work Schedules for trunks. For each Work Schedule $(1 \sim 4)$, designate the start and stop times for each of the eight Work Periods. After you set up the schedules, assign them to days of the week in Program 41-07. (This is the same program used by the ACD Agent Work Schedules.)

Input Data

ACD Work Schedule Time Pattern Number

1~4

Item No.	Item	Input Data	Default
01	Work Period Mode Number	1~8	(Start) 0000 (End) 0000
	Start Time	0000 ~ 2359	
	End Time	0000 ~ 2359	

Conditions

None

Feature Cross Reference

• Automatic Call Distribution (ACD)

Program 41 : ACD Setup 41-07 : ACD Weekly Schedule Setup

Level: SA

(This Program is available for V1.5 or higher)

Description

Use **Program 41-07 : ACD Weekly Schedule Setup** to assign the four Work Schedules $(1 \sim 4)$ to days of the week. The assignments you make in this program apply to both the ACD Agent Work Schedules (Program 41-05) and the Trunk Work Schedules (Program 41-06).

Input Data

Item No.	Item	Input Data	Default
01	Day Number	1 = Sunday 2 = Monday 3 = Tuesday 4 = Wednesday 5 = Thursday 6 = Friday 7 = Saturday	0
	Time Pattern	0 ~ 4 0 = No ACD	

Conditions

None

Feature Cross Reference

Automatic Call Distribution (ACD)

Program 41 : ACD Setup 41-08 : ACD Overflow Options

01 ~ 02

Level:

<u>SA</u>

(This Program is available for V1.5 or higher)

ACD Group No.

Program Description

41

For each ACD Group (01 ~ 02), use **Program 41-08 : ACD Overflow Options** to assign the overflow mode (0~9), destination and announcement message types. Delay Announcement functions are not available for ACD pilot number calls. Each ACD Group can have unique overflow options. The table below outlines the entry options.

Input Data

ltem No.	ltem	Input Data	Description	Default
01	Overflow Operation Mode	0 = No Overflow (None) 1 = Overflow with No An- nouncement 2 = No Overflow with First Announcement On- ly 3 = No Overflow with First & Second An- nouncements 4 = Overflow with First Announcement Only 5 = Overflow with First & Second Announcement 6 = Not Used 7 = Not Used 8 = No Overflow with Second Announcement Only 9 = Overflow with Sec- ond Announcement Only	Assign the overflow mode (0 ~ 9), destina- tion and announcement message types. Delay Announcement functions are not available for ACD pilot number calls. Each ACD Group can have unique overflow op- tions.	0
02	ACD Overflow Destination	0 = No Setting 1 ~ 2 = ACD Group 3 = Overflow Table (Pro- gram 41-09) 4 = Voice Mail Integra- tion 5 = System Speed (Pro- gram 41-08-05) 6 = Incoming Ring Group (Program 41-08-06)	Assign the overflow mode (0 ~ 9), destina- tion and announcement message types. Delay Announcement functions are not available for ACD pilot number calls. Each ACD Group can have unique overflow op- tions.	0
03	Delay Announcemen Source Type	1 = VRS 2 = InMail	Assign the overflow mode $(0 \sim 9)$, destina- tion and announcement message types. Delay Announcement functions are not available for ACD pilot number calls. Each ACD Group can have unique overflow op- tions.	1

ltem No.	ltem	Input Data	Description	Default
04	ACD Overflow Trans- fer Time	0 ~ 64800 (seconds)	Define the time before ACD overflow oc- curs. Each ACD Group can have unique overflow options.	30
05	System Speed Dial Bin	0 ~ 999 (Used when 41-08-02 is set to 5)	Assign the speed dial bin to be used as the ACD overflow destination. Using a speed dial bin for ACD Overflow is suppor- ted only for off premise calls.	999
06	Incoming Ring Group when Overflow	01 ~ 25 (Used when 41-08-02 is set to 6)	Assign the Ring Group for ACD overflow calls to go to.	1

Conditions

None

Feature Cross Reference

Automatic Call Distribution (ACD)

Program 41 : ACD Setup 41-09 : ACD Overflow Table Setting

Level:

<u>SA</u>

(This Program is available for V1.5 or higher)

Program

41

Use **Program 41-09 : ACD Overflow Table Setting** to define the ACD group to which a call is transferred when overflow occurs.

Input Data

Description

ACD Group No.			01 ~ 02	
ltem	Item	Input Data	Description	Default
No.				

No.				
01	1~3	0 ~ 3 0 = No Setting 3 = In-Skin Voice Mail In- tegration	Define the ACD group to which a call is transferred when overflow occurs.	0

Conditions

None

Feature Cross Reference

• Automatic Call Distribution (ACD)

Program 41 : ACD Setup 41-11 : VRS Delay Announcement

Level: SA

(This Program is available for V1.5 or higher)

Description

Use **Program 41-11 : VRS Delay Announcement** to assign the VRS message number to use as the message source for the 1st and 2nd Delay Announcement Messages. Refer to Program 41-08 for more on setting up the ACD overflow options.

This program is activated when the delay announcement source and options are assigned as VRS in Program 41-08-03.

Input Data

ACD Group No.		01 ~ 02		
Item No.	Item	Input Data	Description	Default
01	Delay Message Start Timer	0 ~ 64800 (seconds)	Input the time before the 1st Delay Mes- sage Starts.	0
02	1st Delay Message Number	0 ~ 101 0 = No Message 101 = Fixed Message	Input the VRS Message to be played as the 1st Delay Message.	0
03	1st Delay Message Sending Count	0 ~ 255	Input the number of times the 1st Delay Message is sent. If set to 0, the message is not played.	0
04	2nd Delay Message Number	0 ~ 101 0 = No Message 101 = Fixed Message	Input the VRS Message to be played as the 2nd Delay Message.	0
05	2nd Waiting Message Sending Count	0 ~ 255	Input the number of times the 2nd Delay Message is sent. If set to 0, the message is not played.	0
06	Tone Kind at Message Interval	0 = Ring Back Tone 1 = MOH Tone 2 = BGM Source	Input what is heard between the Delay messages.	0
07	ACD Forced Discon- nect Time after the 2nd DelayMessage	0 ~ 64800 (seconds) (0 = No Disconnect)	Set the time, after the last 2nd Delay Mes- sage is played, before the call is discon- nected.	60
08	Queue Depth An- nouncement	0 = Disable 1 = After 1st (1st) 2 = After 2nd (2nd) 3 = After 1st and 2nd (1st and 2nd)	Input when the Queue Depth Announce- ment is played.	0

Conditions

Feature Cross Reference

Automatic Call Distribution (ACD)



Program 41 : ACD Setup 41-12 : Night Announcement Setup

Level: SA

(This Program is available for V1.5 or higher)

Description

Use **Program 41-12 : Night Announcement Setup** to set Night Announce time for each ACD group. Night announcement availability depends on the setting in Program 41-03-02. The night announcement function is not available for ACD pilot number calls.

4

Input Data

ACD Group Number		01 ~ 02		
ltem No.	Item	Input Data	Description	Default
03	ACD Night Announce Sending Time	0 ~ 64800 (seconds)	Define the time the ACD night Announce- ment plays. Night announcement availabil- ity depends on the setting in Program 41-03-02.	30

Conditions

• The Night Announcement function is not available for ACD pilot number call.

Feature Cross Reference

• Automatic Call Distribution (ACD)

Program 41 : ACD Setup

41-13 : VRS Message Number for Night Announcement

Level: SA

(This Program is available for V1.5 or higher)

Description

41

Program

Use **Program 41-13 : VRS Message Number for Night Announcement** to define the VRS message number to use as the night announcement. This program is activated when the night announcement source is assigned as VRS in Program 41-12-01.

Input Data

ACD Group No.	01 ~ 02

ltem No.	ltem	Input Data	Description	Default
01	VRS Message Num- ber	0 ~ 100 0 = No Message	Input the VRS message number to be used as the night announcement.	0
02	Tone Kind at Message Interval	0 = Ring Back Tone 1 = MOH Tone 2 = BGM Source	Input what is heard between the Night An- nouncements.	0

Conditions

None

Feature Cross Reference

• Automatic Call Distribution (ACD)
Program 41 : ACD Setup 41-14 : ACD Options Setup

Level: SA

(This Program is available for V1.5 or higher)

Description

Use Program 41-14 : ACD Options Setup to set various options for ACD Groups. When you set an option for an ACD Group, the setting is in force (if applicable) for all agents in the group. The chart below shows each of the ACD options, the entries available, and the default entry.

Input Data

ACD Group No		01 ~ 02		
ltem No.	ltem	Input Data	Description	Default
02	Automatic Wrap Up Mode	0 = After wrap up the mode key is pressed. (Manual) 1 = After call is finished automatically. (Auto)	Enable/Disable Automatic Wrap Up mode.	0
03	ACD Priority for Over- flow Calls	0 = Own group priority 1 = Priority order by Pro- gram 41-03-03	Determines whether the ACD group should use its own priority assignment or if it should follow the priority assigned in Pro- gram 41-03-03.	0
04	Automatic Answer at Headset	0 = Off 1 = On	Enable (1)/Disable (0) Automatic Answer for agents using headsets.	0
06	Call Queuing after 2nd Announcement	0 = Enable (Yes) 1 = Disable (No)	Determine whether the caller should hear the 2nd Delay Announcement and then be taken out of queue (1), or be placed back into queue (0).	0
07	Automatic Off Duty for SLT	0 = No change to Off Duty mode 1 = Change to Off Duty mode automatically (Skip)	Enable (1)/Disable (0) Automatic Off Duty (rest) mode for agents with single line tele- phones.	0
08	ACD Off Duty Mode	0 = Cannot receive inter- nal call 1 = Can receive internal call	Enable (1)/Disable (0) the agent's ability to receive internal calls in ACD Off Duty Mode.	0
09	Automatic Wrap Up End Time	0 ~ 64800 (seconds)	Input the time the agent is in Automatic Wrap Up End Time when Wrap key is pressed, or automatically put into Wrap mode.	0
10	ACD No Answer Skip Time	0 ~ 64800 (seconds)	Set the time a call to the ACD Group rings an idle extension before routing to the next agent.	10
12	Start Headset Ear Piece Ringing (for SLT)	0 ~ 64800 (seconds)	Set the ringing start time for the headset ear piece on a single line telephone.	0

Program

ltem No.	ltem	Input Data	Description	Default
17	CTI : Operation mode when transfer no log- in ACD groups	0 = Transfer to ACD group 1 = Error notice	This program allows CTI Server transfers a trunk call to ACD Pilot number which group has no login agent in 3rd Party CTI.	0

Conditions

None

Program

41

Feature Cross Reference

Automatic Call Distribution (ACD)

Program 41 : ACD Setup 41-16 : ACD Threshold Overflow

Level: SA

(This Program is available for V1.5 or higher)

ACD Group No.

Description

Use **Program 41-16 : ACD Threshold Overflow** to define the value of the ACD threshold call overflow and the mode for each ACD group.

Input Data

01 ~ 02	

ltem No.	Item	Input Data	Description	Default
01	Number of Calls in Queue	0 ~ 84 0 = No Limitation	Define the maximum number of calls al- lowed in the ACD queue before overflow occurs.	0
02	Operation Mode for ACD Queue	0 = The last waiting call is transferred 1 = The longest waiting call is transferred 2 = Send Busy Tone	Define how the system should handle calls when the number of calls in queue ex- ceeds the threshold.	0

Conditions

None

Feature Cross Reference

Automatic Call Distribution (ACD)

Program 41 : ACD Setup 41-19 : ACD Voice Mail Delay Announcement

Level:

SA

(This Program is available for V1.5 or higher)

Description

41

Program

Use Program 41-19 : ACD Voice Mail Delay Announcement to assign InMail Master Mailboxes (Program 47-03) as ACD Delay Announcement Mailboxes.

Input Data

ACD Group Number		01 ~ 02		
ltem No.	ltem	Input Data	Description	Default
01	Delay Message Start Timer	0 ~ 64800 (seconds)	Determine the time the system waits be- fore playing the Delay Message.	0
02	Mailbox Number for 1st Announcement Message	Dial (up to eight digits)	Assign the Voice Mail ACD Announcement Mailbox as the message source for the 1st Announcement Message.	No Setting
03	1st Delay Message Sending Count	1 ~ 255 0 = No message is played.	Determine the 1st Delay Message Sending Count. This entry must be set to 1 or high- er for the message to play.	0
04	Mailbox Number for 2nd Announcement Message	Dial (up to eight digits)	Assign the Voice Mail ACD Announcement Mailboxes as the message source for the 2nd Announcement Message.	No Setting
05	2nd Delay Message Sending Count	1 ~ 255 0 = No message is played.	Determine the 2nd Delay Message Send- ing Count. This entry must be set to 1 or higher for the message to play.	0
06	Wait Tone Type at Message Interval	0 = Ring Back Tone 1 = Music On Hold Tone 2 = Background Music Source	Determine what the caller hears between the messages.	0
07	ACD Forced Discon- nect Time after 2nd Announcement	0 ~ 64800 (seconds)	Assign the time the system should wait af- ter the end of the ACD Delay Message be- fore disconnecting.	0
08	Delay Message Inter- val Time	0 ~ 64800 (seconds)	Set the time for the interval between the Delay Messages.	20

Conditions

None

Feature Cross Reference

None

Program 41 : ACD Setup *41-20 : ACD Queue Display Settings*

Level: SA

(This Program is available for V1.5 or higher)

Description

Use **Program 41-20 : ACD Queue Display Settings** to assign the options for the ACD Queue Status Display feature. This program allows the Queue Status Display, and causes an alarm to sound, when the parameters in this program are met.

Program

41

Input Data

ACD Group No.		01 ~ 02				
ltem No.	Item	Input Data	Description	Default		
01	Number of Calls in Queue	0 ~ 84 0 = No Display	Set the number of calls that can accumu- late in the ACD queue before the Queue Status Display (and optional queue alarm) occurs.	0		
02	Queue Status Display Time	0 ~ 64800 (seconds)	Set the time the Queue Status display re- mains on the telephone display.	5 (seconds)		
03	Queue Status Display Interval	0 ~ 64800 (seconds)	Determine whether or not an incoming call to a trunk ring group should follow a priori- ty assignment. Set the time that refreshes the Queue Status Alarm time in queue dis- play and causes the optional queue alarm to occur on phones active on a call, logged out, or in wrap-up.	60 (seconds)		
04	ACD Call Waiting Alarm	0 = Disable (Off) 1 = Enable (On)	Enable/Disable the queue alarm.	0		
05	ACD Call Waiting Alarm Hold Time	0 ~ 64800 (seconds)	Set the time the Call Waiting Alarm should sound.	0		

Conditions

None

Feature Cross Reference

Automatic Call Distribution (ACD)

Program 42 : Hotel Setup 42-01 : System Options for Hotel/Motel

Level:

<u>IN</u>

Description

Program Use Program 42-01 : System Options for Hotel/Motel to assign the system options for Hotel/Motel Service.

Input Data

42

ltem No.	ltem	Input Data	Description	Default
01	Answering Message Mode for Wake Up Call (Hotel Mode)	0 = MOH (Hold Time) 1 = VAU Message 2 = VAU Message + Time		0
02	Wake Up Call Mes- sage Assignment	0 ~ 100 (0 = No setting)	VAU Message for Wake Up Calls. You must make an entry for this program if you have selected 1 or 2 in Item 01 above.	0
03	Wake Up Call No An- swer	0 = No Transfer 1 = Transfer to the Oper- ator		0
04	Setup Message Mode for Wake Up Call (Ho- tel Mode)	0 = Confirmation Tone 1 = VAU Message 2 = Time Stamp + VAU Message		0
05	Wake Up Call Mes- sage Assignment	0 ~ 100 (0 = No setting)		0
06	Flexible Room Status (V2.0 Added)	0 = Off 1 = On	When PRG42-01-06 is set to on, any room status change from any status can be made. Ex) Hotel Status Code 4 -> 3 Hotel Status Code 4 -> 4	0

Conditions

None

Feature Cross Reference

Hotel/Motel

Program 42 : Hotel Setup 42-02 : Hotel/Motel Telephone Setup

Level: IN

Description

Use **Program 42-02 : Hotel/Motel Telephone Setup** to define the basic operation of the Hotel/Motel extensions.

Input Data

Extension Number		er	Up to eight digits		
ltem No.	ltem	Input Data	Description	Default	
01	Hotel Mode	0 = Normal 1 = Hotel	If you want an extension to operate in the Hotel/Motel mode, enter 1. If you want the telephone to operate in the business mode, enter 0.	0	
02	Toll Restriction Class When Check In	1 ~ 15	Assign an extension Toll Restriction Class when it is checked in. The system has 15 Toll Restriction Classes (1 ~ 15). The entry you make in this option affects the tele- phone in all Night Service modes. (Refer to Programs 21-05 and 21-06 to set up the Toll Restriction dialing options.) When the extension is checked out, it uses the Toll Restriction Class set in Program 21-04.	1	
03	Room Status (Refer- ence Only) (V2.0 Add- ed)	Read Only: 1 = Room Clean (Occu- pied) 2 = Maid Required 3 = Maid in Room 4 = Inspection Required 5 = Maintenance Re- quest 6 = Out of Order 7 = Reserve 1 8 = Reserve 2 9 = Reserve 2 9 = Reserve 3 0 = Room Clean (Va- cant) * = Reserve 5 # = Reserve 6	This Program shows the hotel room status of each Hotel extension.	-	

Conditions

None

Feature Cross Reference

• Hotel/Motel

Program 42 : Hotel Setup 42-03 : Class of Service Options (Hotel/Motel)

Level: IN

Description

Program

42

Use **Program 42-03 : Class of Service Options (Hotel/Motel)** to set the Hotel/Motel Class of Service (COS) options. Assign Class of Service to extensions in Program 42-02 : Hotel/Motel Telephone Setup. There are 15 Classes of Service. Refer to the following chart for a description of each COS option, its range and default setting. For additional Class of Service options, refer to Programs 20-06.

Input Data

Class of Service Number		01 ~ 15		
ltem	ltem	Innut Data	Description	Default
No.	Rem	input Data	Description	Deraun
01	Check-In Operation	0 = Off 1 = On		Class 01 ~ 15 = 1
02	Check-Out Operation	0 = Off 1 = On		Class 01 ~ 15 = 1
03	Room Status Output	0 = Off 1 = On		Class 01 ~ 15 = 1
04	DND Setting for Other Extension	0 = Off 1 = On		Class 01 ~ 15 = 1
05	Wake up Call Setting for Other Extension	0 = Off 1 = On		Class 01 ~ 15 = 1
06	Room Status Change for Other Extension	0 = Off 1 = On		Class 01 ~ 15 = 1
07	Restriction Class Changing for Other Extension	0 = Off 1 = On		Class 01 ~ 15 = 1
08	Room to Room Call Restriction	0 = Off 1 = On		Class 01 ~ 15 = 1
09	DND Setting for Own Extension	0 = Off 1 = On		Class 01 ~ 15 = 1
10	Wake Up Call Setting for Own Extension	0 = Off 1 = On		Class 01 ~ 15 = 1
11	Change Room Status for Own Extension	0 = Off 1 = On		Class 01 ~ 15 = 1
12	SLT Room Monitor	0 = Off 1 = On	Enable (1) or disable (0) a single line tele- phone ability to use Room Monitor.	Class 01 ~ 15 = 1

Conditions

None

Feature Cross Reference

- Class of Service
- Hotel/Motel

Program

Program 42 : Hotel Setup 42-04 : Hotel Mode One-Digit Service Codes

Level: IN

Description

Program

42

Use **Program 42-04 : Hotel Mode One-Digit Service Codes** to set up the Hotel Mode one-digit service codes which are assigned in 42-02-01. For each Department Calling Group ($01 \sim 32$), you enter the destination for each single digit code ($1 \sim 9, 0, *, #$). The destination can be any code with up to eight digits, such as an extension number or access code.

Input Data

Department (Extension) Group Number	01 ~ 32

Received Dial	1 ~ 9, 0, *, #
---------------	----------------

ltem No.	Item	Input Data	Default
01	Hotel Mode One-Digit Service Co- des	Destination Number Up to eight digits	No Setting

Conditions

• The one-digit service codes you assign in this program wait until the interdigit time expires before executing.

Feature Cross Reference

Hotel/Motel

Program 42 : Hotel Setup 42-05 : Hotel Room Status Printer

Level: IN

Description

Use **Program 42-05 : Hotel Room Status Printer** to set the LAN port to output the Hotel Data (Check-Out sheet, Room Status, etc.) and the output options for the Hotel/ Motel feature.

Input Data

ltem No.	Item	Input Data	Default
01	Output Port Type	0 = No Setting 3 = LAN	0
03	Wake Up Call No Answer Data	0 = Not Output 1 = Output	0
04	Check-Out Sheet	0 = Not Output 1 = Output	0

Conditions

• Room Status Reports can be output via LAN port.

Feature Cross Reference

Hotel/Motel

Program

Program 42 : Hotel Setup 42-09 : Flexible Setup for Room Status

Level:

<u>IN</u>

(This Program is available for V2.0 or higher)

Program Description

42

Use **Program 42-09 : Flexible Setup for Room Status** to enable dial room status codes. Note the code definitions only apply to the system itself.

Input Data

Room Status	1, 2, 3, 4, 5, 6, 7, 8, 9, 0, *, #
-------------	------------------------------------

ltem No.	ltem	Input Data	Default
01	Flexible Setup for Room Status	1 = Room Clean (Occupied) 2 = Maid Required 3 = Maid in Room 4 = Inspection Required 5 = Maintenance Request 6 = Out of order 7 = Reserve 1 8 = Reserve 2 9 = Reserve 3 0 = Room Clean (Vacant) * = Reserve 5 # = Reserve 6	1 - # = None

Conditions

None

Feature Cross Reference

Hotel/Motel

Program 44 : ARS/F-Route Setup 44-01 : System Options for ARS/F-Route

Level: IN

Description

Use **Program 44-01 : System Options for ARS/F-Route** to define the system options for the ARS/F-Route feature.

Input Data

ltem No.	Item	Input Data	Description	Default
01	ARS/F-Route Time Schedule	0 = Not Used 1 = Used	If this option is set to 0 , the F-Route table selected is determined only by the digits dialed without any relation to the day or time of the call. If this option is set to 1 , the system first re- fers to PRG 44-10. If there is a match, the pattern defined in that program is used. If not, the F-Route pattern in PRG 44-09 and time setting in 44-08 are used.	0
02	Dial Tone Simulation (V2.0 Added)	1 digit (0 ~ 9) *, # cant be used	When first dialed digit matches with the data set in this Program, system send si- mulated DT to calling party after receiving first digit. Numbering plan for the dial needs to configure as F-Route at PRG 11-01.	None
03	Tone Kind (V2.0 Add-ed)	0 = Internal DT 1 = External DT	Set simulated DT kind which can change the tone used at PRG 44-01-02 and PRG 44-02-04.	0

Conditions

None

Feature Cross Reference

• Automatic Route Selection (ARS/F-Route)

Program 44 : ARS/F-Route Setup 44-02 : Dial Analysis Table for ARS/F-Route Access

Level: IN

Description

Program

ΔΔ

Use Program 44-02 : Dial Analysis Table for ARS/F-Route Access to set the Pre-Transaction Table for selecting ARS/F-Route.

Input Data

Γ

Dial Analysis Table Number				001 ~ 120	
ltem No.	Item	Input Data		Description	Default
01	Dial	Up to eight digits (Use line key 1 for a Don't Care digit, @)	Set the num the system f	ber of digits to be analyzed by or ARS routing.	No Setting
02	Service Type	0 = No setting (None) 1 = Extension Call (Own) 2 = ARS/F-Route Table (F-Route) 3 = Dial Extension Ana- lyze Table (Option)	 Service Ty The numb deleting th Additional Assign the of the num age. At lea Service Ty The numb Route tab Additional If the ARS used, assi number fo If the ARS used, assi number fo Service Ty Table) The total I more than Additional Assign the number to 	ype 1 (Extension Number) er goes to an extension after the front digit(s). <i>Data</i> e digit(s) to be deleted on top her for extension number us- ast one digit must be deleted. ype 2 (ARS/F-Route) er is controlled by ARS/F- le. <i>Data:</i> <i>S</i> /F-Route Time Schedule is not ign the ARS/F-Route table or Program 44-05. <i>S</i> /F-Route Time Schedule is ign the ARS/F-Route selection or Program 44-04. ype 3 (Dial Extension Analyze ength of the number exceeds 8 digits. <i>Data:</i> a Dial Extension Analysis Table be used in Program 44-03.	0
03	Additional Data	1 = Delete Digit = 0 ~ 255 (255 = Delete All Digits) 2 = 0 ~ 100 (0 = No Set- ting) 3 = Dial Extension Ana- lyze Table Number = 0 ~ 4 (0 = No Setting)	For the Serv enter the add • 1 : Delete (255 = De • 2 : [Progra ARS/F-Rc (0 = No Se Refer to P [Program ARS/F-Rc ~ 100 (0 = Refer to P • 3 : Dial Ex ber = 0 ~ 4 Refer to P	tice Type selected in 44-02-02, ditional data required. Digit = 0 ~ 255 lete All Digits) am 44-01 : 0] sute Table Number = 0 ~ 100 etting) Program 44-05. 44-01 : 1] sute Select Table Number = 0 No Setting) Program 44-04. ttension Analyze Table Num- 4 (0 = No Setting) Program 44-03.	0

ltem No.	ltem	Input Data	Description	Default
04	Dial Tone Simulation	0 = Off 1 = On	If enabled, this option sends dial tone to the calling party after the routing is deter- mined. This may be required if the central office at the destination does not send dial tone.	0

Conditions

None

Feature Cross Reference

• Automatic Route Selection (ARS/F-Route)

Program

Program 44 : ARS/F-Route Setup 44-03 : Dial Analysis Extension Table

Level: <u>IN</u>

Description

Program

ΔΛ

When Program 44-02-02 is set to type 3, use **Program 44-03 : Dial Analysis Extension Table** to set the dial extension analysis table. These tables are used when the analyzed digits must be more than eight digits. If the received digits do not match the digits set in tables $1 \sim 250$, table number 252 is used to refer to the next Extension Table Area $(1 \sim 4)$ to be searched. If the received digits are not identified in tables $1 \sim 250$, the F-Route selection table number defined in table 251 is used.

Input Data

Extension Table Area Number	1 ~ 4
Dial Analysis Table Number	1 ~ 252

Dial Analysis Table Number : 1 ~ 250

ltem No.	Item	Input Data	Default
01	Dial	Up to 36 digits Digits = 1 ~ 9, 0, *, #, @ (Press Line Key 1 for wild character @)	No Setting
02	ARS/F-Route Select Table Number	0 ~ 100 (ARS/F-Route Table Number) With Program 44-01 set to 0, Program 44-05 is checked. With Program 44-01 set to 1, Program 44-04 is checked.	0

Dial Analysis Table Number : 251

ltem No.	Item	Input Data	Default
03	ARS/F-Route Select Table Number	0 ~ 100 (ARS/F-Route Table Number) With Program 44-01 set to 0, Program 44-05 is checked. With Program 44-01 set to 1, Program 44-04 is checked.	0

Dial Analysis Table Number : 252

ltem No.	Item	Input Data	Default
04	Next Table Area Number	0 ~ 4	0

Conditions

None

Feature Cross Reference

• Automatic Route Selection (ARS/F-Route)

Program

Program 44 : ARS/F-Route Setup 44-04 : ARS/F-Route Selection for Time Schedule

Level: <u>IN</u>

Description

Program

44

Use **Program 44-04 : ARS/F-Route Selection for Time Schedule** to assign each ARS/ F-Route Selection number to an ARS/F-Route table number for each ARS/F-Route time mode. There are eight time modes for ARS/F-Route Access.

Input Data

ARS/F-Route Selection Number	001 ~ 100

ARS/F-Route Time Mode	1~8

ltem No.	Item	Input Data	Default
01	ARS/F-Route Table Number	0 ~ 100 (0 = No Service)	0

Conditions

None

Feature Cross Reference

• Automatic Route Selection (ARS/F-Route)

Program 44 : ARS/F-Route Setup 44-05 : ARS/F-Route Table

Level: IN

Description

Use **Program 44-05 : ARS/F-Route Table** to set the ARS/F-Route table. There are four kinds of order. If the higher priority trunk groups are busy, the next order group is used. If a lower priority route is selected, the caller may be notified with a beep tone.

Input Data

ARS/F-Route Table Number	001 ~ 100
Priority Number	1 ~ 4

ltem No.	Item	Input Data	Description	Default
01	Trunk Group Number	0 = No Setting 1 ~ 25 = Trunk Group 101 ~ 104 = Networking (V1.5 Added) 255 = Extension Call	Select the trunk group number to use for the outgoing ARS call.	0
02	Delete Digits	0 ~ 255 (255 = Delete All)	Enter the number of digits to be deleted from the dialed number.	0
03	Additional Dial Num- ber Table	0 ~ 100	Enter the table number (defined in Pro- gram 44-06) for additional digits to be di- aled.	0
04	Beep Tone	0 = Off 1 = On	Select whether or not a beep is heard if a lower priority trunk group is used to dial out.	0
05	Gain Table Number for Internal Calls	0 ~ 100 0 = No Setting	Select the gain table number to use for the internal call (defined in Program 44-07).	0
06	Gain Table Number for Tandem Connec- tions	0 ~ 100 0 = No Setting	Select the gain table number to use for the tandem call (defined in Program 44-07).	0
07	ARS Class of Service	0 ~ 16 0 = No ARS Class (Call Restricted)	Select the ARS Class of Service to use for the table. An extension ARS COS is deter- mined in Program 26-04-01.	0
08	Dial Treatment	0~15	Select the Dial Treatment to use for the ta- ble. If a Dial Treatment is selected, Pro- grams 44-05-02 and 44-05-03 are ignored and the Dial Treatment defined in Program 26-03-01 is used instead.	0
09	Maximum Digit	0 ~ 24	Input the maximum number of digits to send when using the F-Route.	0
11	Network Specified Pa- rameter Table	0 ~ 16	Enter a table number from Program 26-12.	0

Conditions

None

Feature Cross Reference

• Automatic Route Selection (ARS/F-Route)

Program



Program 44 : ARS/F-Route Setup 44-06 : Additional Dial Table

Level: IN

Description

Use **Program 44-06 : Additional Dial Table** to set the additional dial table to add prior to the dialed ARS/F-Route number. The Additional Dial Table used is determined in Program 44-05-03.

Input Data

Additional Dial Table Number			001 ~ 100	
ltem No.	Item	Input Da	ta	Default
01	Additional Dial	Up to 36 digits Enter : 1 ~ 9, 0, *, #, Pause a pause)	(press LK 1 to enter	No Setting

Conditions

None

Feature Cross Reference

• Automatic Route Selection (ARS/F-Route)

Program

Program 44 : ARS/F-Route Setup 44-07 : Gain Table for ARS/F-Route Access

Level: IN

Description

Program

Use Program 44-07 : Gain Table for ARS/F-Route Access to set the gain/PAD table. If an extension dials ARS/F-Route number:

- The Extension Dial Gain Table, assigned in Program 44-05, is activated.
- The Extension Dial Gain Table follows Outgoing transmit and Outgoing receive settings.

If the incoming call is transferred to another line using ARS/F-Route:

- The Tandem Gain Table, assigned in Program 44-05, is activated.
- The Tandem Gain Table follows the Incoming transmit and Incoming receive settings for incoming line, and Outgoing transmit and Outgoing receive settings for the outgoing line.



For ARS/F-Route calls, the CODEC gains defined in Programs 14-01-02 and 14-01-03 are not activated.

Input Data

	Gain Table Num	ber	001 ~	~ 100
ltem No.	Item	Input Dat	a	Default
01	Incoming Transmit	1 ~ 63 (- 15.5 dB ~ + 15.5 dB)		32 (0 dB)
02	Incoming Receive	1 ~ 63 (- 15.5 dB ~ + 15.5 dB)		32 (0 dB)
03	Outgoing Transmit	1 ~ 63 (- 15.5 dB ~ + 15.5 dB)		32 (0 dB)
04	Outgoing Receive	1 ~ 63 (- 15.5 dB ~ + 15.5 dB)		32 (0 dB)

Conditions

None

Feature Cross Reference

Automatic Route Selection (ARS/F-Route)

Program

44

Program 44 : ARS/F-Route Setup 44-08 : Time Schedule for ARS/F-Route

Level: IN

Description

Use **Program 44-08 : Time Schedule for ARS/F-Route** to define the daily pattern of the ARS/F-Route feature. ARS/F-Route has 10 time patterns. These patterns are used in Programs 44-09 and 44-10. The daily pattern consists of 20 time settings.

Input Data

Schedule Pattern Number	01 ~ 10

Item No.	Item	Input Data
01 Time Number		01 ~ 20
	Start Time	0000 ~ 2359
	End Time	0000 ~ 2359
	Mode	1~8

Default

All Schedule Patterns = 0 : 00 - 0 : 00, Mode 1

Example :

Pattern 1

	0:00	8:00	18:00	22:00	0:00		
	Mode 3	Mode 1	Mode 2	Mode 3			
Time Number 01 = 00 : 00 - 08 : 00 Mode 3							
Time Number 02 = 08 : 00 - 18 : 00 Mode 1							
Time Number 03 = 18 : 00 - 22 : 00 Mode 2							
Time Number 04 = 22 : 00 - 00 : 00 Mode 3							
Pattern 2							
	0:00				0:00		
	Mode 2						

Time Number 01 = 00 : 00 - 00 : 00 Mode 2

Conditions

None

Feature Cross Reference

Automatic Route Selection (ARS/F-Route)





Program 44 : ARS/F-Route Setup 44-09 : Weekly Schedule for ARS/F-Route

Level: IN

Description

Use **Program 44-09 : Weekly Schedule for ARS/F-Route** to define a weekly schedule for using ARS/F-Route. The pattern number is defined in Program 44-08-01.

Input Data

Day Number	1 = Sunday
	2 = Monday
	3 = Tuesday
	4 = Wednesday
	5 = Thursday
	6 = Friday
	7 = Saturday

ltem No.	Item	Input Data	Default
01	Schedule Pattern Number	0 ~ 10 (0 = No Setting)	Sunday ~ Saturday = Pattern 1

Conditions

None

Feature Cross Reference

• Automatic Route Selection (ARS/F-Route)

Program 44 : ARS/F-Route Setup 44-10 : Holiday Schedule for ARS/F-Route

Level: <u>IN</u>

Description

Program

44

Use **Program 44-10 : Holiday Schedule for ARS/F-Route** to define a yearly schedule for ARS/F-Route. This schedule is used for setting special days such as national holidays. The pattern number is defined in Program 44-08-01.

Input Data

Item No.	ltem	Input Data	Default
01	Date	0101 ~ 1231	-
	Schedule Pattern Number	0 ~ 10 (0 = No Setting)	Date 0101 - 1231 = Pattern 0

Conditions

None

Feature Cross Reference

Automatic Route Selection (ARS/F-Route)

Program 45 : Voice Mail Integration 45-01 : Voice Mail Integration Options

Level: IN

Description

Use **Program 45-01 : Voice Mail Integration Options** to customize certain voice mail integration options.

Input Data

ltem No.	ltem	Input Data	Description	Default	Related Program
01	Voice Mail De- partment Group Number	0 ~ 32 0 = No Voice Mail	Assign which Extension (Depart- ment) Group number is to be as- signed as the voice mail group.	0	
02	Voice Mail Mas- ter Name	Up to 12 Characters	Enter the Voice Mail Master Name.	VOICE MAIL	
03	Voice Mail Call Screening	0 = Off 1 = On	Enable/disable the ability to process the Call Screening commands (1 + extension number) sent from the Voice Mail. You should normally en- able this option to allow for Voice Mail Call Screening. Disable this op- tion if your system has been modi- fied so that extensions begin with the digit 1(e.g., 101, 102, etc.). Also see the "Flexible System Number- ing" feature.	0	45-01-11
04	Park and Page	0 = Off 1 = On	Enable/disable the system ability to process the Voice Mail Park and Page (*) commands. You should normally enable this option.	1	45-01-12
05	Message Wait	0 = Off 1 = On	Enable/disable the system ability to process the Voice Mail Message Wait (#) commands. You should nor- mally enable this option. If enabled, be sure that the programmed Mes- sage Notification strings don't con- tain the code for trunk access.	1	45-01-13
06	Record Alert Tone Interval Time	0 ~ 64800 seconds	This time sets the interval between Voice Mail Conversation Record alerts.	30	
07	Centralized Voice mail Pilot No. (V1.5 Added)	Dial (Up to 8 digits)	Assign this number the same as the extension number or pilot number.	No Setting	
08	Centralized Voice Mail Department Group Number (V1.5 Added)	0 ~ 32 0 = No Voice Mail As- signed	Assign which Extension (Depart- ment) Group Number is used as the Centralized Voice Mail group.	0	
09	Centralized Voice Mail master Name (V1.5 Add- ed)	Up to 12 characters	Assign the Centralized Voice Mail Master Name.	C.V.M.	

Program

ltem No.	ltem	Input Data	Description	Default	Related Program
10	New NSL Proto- col support	0 = Off (Disable) 1 = On (Enable)		0	
11	Prefix for Call Screening	Dial (One digit)		1	45-01-03
12	Prefix for Park and Page	Dial (One digit)		*	45-01-04
13	Prefix for Mes- sage Wait	Dial (One digit)		#	45-01-05
15	Analog Voice Mail Protocol Se- lection	0 = Fixed 1 = Program	Assigns whether fixed codes are used or the codes used in Program 45-04 are used for analog voice mail protocol.	0	45-04 11-11-50/5 1
16	Voice Mail Fax Digit Add As- signment	Up to four digits	Assign up to four digits in front of the station number sent to the SLT port when a call is forwarded.	No Setting	15-03-16
17	Reply Mailbox Number	0 = No 1 = Yes	Whether or not to include the mail- box number in the analog voice mail protocol.	1	45-04
18	Trunk Number Mapping	2~3	Assign the digits of trunk number mapping.	2	

Conditions

None

Program

45

Feature Cross Reference

• Voice Mail Integration (Analog)

Program 45 : Voice Mail Integration 45-02 : NSL Option Setup

Level: SA

Description

Use **Program 45-02 : NSL Option Setup** to setup the NSL options for Voice Mail integration.

Input Data

ltem No.	Item	Input Data	Default
01	Send DTMF tone or 6KD message	0 = Send DTMF tone to SLT-VM port 1 = Send 6KD message to Serial port	1
02	Forced Send Dial Tone	0 = Normal 1 = Forced	0
03	Send 51A Message	0 = Off 1 = On	1
04	NSL over LAN	0 = Off 1 = On	1
05	Send 4PM message	0 = Off 1 = On	0

Conditions

None

Feature Cross Reference

None

Program 45 : Voice Mail Integration 45-04 : Voice Mail Digit Add Assignment

Level: IN

Description

Program

45

Input Data

ltem No.	Item	Input Data	Default	Related Program
01	Remote Logon (Internal)	Up to four digits	No Setting	45-01-15
02	Direct Logon	Up to four digits	No Setting	45-01-15
03	Transfer Message	Up to four digits	No Setting	45-01-15
04	Forward-All	Up to four digits	No Setting	45-01-15
05	Forward-Busy	Up to four digits	No Setting	45-01-15
06	Forward RNA	Up to four digits	No Setting	45-01-15
07	Remote Logon	Up to four digits	No Setting	45-01-15
08	Conversation Recording	Up to four digits	No Setting	45-01-15
09	Clear Down String	Up to four digits	No Setting	45-01-15

Use Program 45-04 : Voice Mail Digit Add Assignment to define the digits to add.

Conditions

None

Feature Cross Reference

None

Program 45 : Voice Mail Integration

45-05 : Voice Mail Send Protocol Signal Without Additional Digits

Level: <u>IN</u>

Description

Use **Program 45-05 : Voice Mail Send Protocol Signal Without Additional Digits** to send trunk number and/or station number information if integrating to Voice Mail when Program 45-04-XX is left blank and 45-01-15 is set to "Program".

Input Data

ltem No.	ltem	Input Data	Default	Related Program
01	Remote Log-On Internal	0 = Off 1 = On	0	45-01-15 45-04-01
02	Direct Log-On	0 = Off 1 = On	0	45-01-15 45-04-02
03	Transfer Message/QVM	0 = Off 1 = On	0	45-01-15 45-04-03
04	Forward-All	0 = Off 1 = On	0	45-01-15 45-04-04
05	Forward-Busy	0 = Off 1 = On	0	45-01-15 45-04-05
06	Forward RNA	0 = Off 1 = On	0	45-01-15 45-04-06
07	Remote Log-On	0 = Off 1 = On	0	45-01-15 45-04-07
08	Conversation Recording	0 = Off 1 = On	0	45-01-15 45-04-08
09	Clear Down String	0 = Off 1 = On	0	45-01-15 45-04-09

Conditions

None

Feature Cross Reference

None

Program 47 : InMail 47-01 : InMail System Options

Level: IN

Description

Program

47

Input Data

ltem No.	Item	Input Data	Description	Default
02	InMail Master Name	Up to 12 characters	(MasterName) The CPU must be reset for a change to this program to take effect. Use this option to modify the name for all InMail ports. The system briefly displays this name when a display multiline terminal user calls a Voice Mail port (either by pressing Message , their voice mail key, or by dialing the master number). You should always end the name with the ## charac- ters. The system substitutes the port num- ber for the last #. Using the default name InMail ## , for example, the telephone dis- play shows InMail #1 when calling port 1.	InMail ## (The system substitutes the port number for the # when call- ing the port.)
03	Incoming Message Length	1 ~ 4095 seconds	 (Subs Msg Length) Use this option to set the maximum length of recorded messages for: Subscriber Mailbox users dialing RS to record and send a message. Extension users leaving a message in a Subscriber Mailbox. Outside Automated Attendant callers accessing a mailbox via a GOTO command and then dialing RS to record and send a message. Subscriber Mailbox Greetings. Announcement Messages. Call Routing Mailbox Instruction Menus. <i>The length of a Conversation Record is 10 times the Subscriber Message Length. Since the Conversation Record time cannot exceed 4095 seconds, any setting in Subscriber Message Length larger than 4095 has no effect on the length of recorded conversations.</i> 	120 seconds
04	Non-Subscriber Mes- sage Length	1 ~ 4095 seconds	 (Mbox Msg Length) Use this option to set the maximum length of recorded messages for: Automated Attendant callers leaving a message or Quick Message in a Sub- scriber Mailbox. Outside callers transferred by an exten- sion user to a Subscriber Mailbox. 	120 seconds

Use Program 47-01 : InMail System Options to set up the InMail system-wide options.

Program

ltem No.	Item	Input Data	Description	Default
05	Message Backup/Go Ahead Time	1 ~ 6015 seconds	(Msg Bkup/Adv Time) Use this option to set the backup/ go ahead time. This time sets how far InMail backs up when a user dials B while listen- ing to a message. This interval also sets how far InMail jumps ahead when a user dials G while listening to a message.	5 seconds
07	Digital Pager Callback Number	Digits (12 maximum, using 0 ~ 9, # and*) M (Number of messages - entered by pressing LK1) X (Extension number - entered by pressing LK2) InMail automatically re- places the X command with the number of the extension that initially re- ceived the message.	 (Pager CBack) Use this option to set the Digital Pager Callback Number portion of the Message Notification callout number for a digital pager. This is the portion of the callout number that is appended to the pager service telephone number. Normally, this option should be X*M#, where: X is the number of the extension that generated the notification. * is a visual delimiter (to make the pager display easier to read). M is the number of new messages in the extension mailbox. # is the digit normally used by the pager service for positive disconnect. 	X*M #
08	Delay in Dialing Digi- tal Pager Callback Number	0 ~ 99 seconds	(Pager Dial Delay) Use this option to set the delay (0 ~ 99 seconds) that occurs just before InMail di- als the Digital Pager Callback Number por- tion of the Message Notification callout number for a digital pager. Set this delay so the pager service has enough time to connect to the digital pager before sending the callback number. Your pager service may be able to help you determine the best value for this op- tion (0 ~ 99 seconds). By default, this option is 9 seconds. When placing a digital pager notification, the sys- tem: Seizes the trunk specified. Dials the user-entered notification number (in Mes- sage + OP + N). Waits the 47-01-08: Delay in Dialing Digi- tal Pager Callback Number . The system assumes that the notification number completes dialing approximately 4 seconds after trunk seizure. This means that, by default, the Digital Pager Callback Number is dialed into the pager service about 13 seconds after trunk seizure.	30 seconds
09	Wait Between Digital Pager Callout At- tempts	1 ~ 255 minutes	(Notify Pager Intvl) Use this option to set the minimum time (1 ~ 255 minutes) between unacknowledged or unanswered digital pager Message No- tification callouts. (A subscriber acknowl- edges a digital pager notification by log- ging onto their mailbox.) After this time expires, InMail tries the cal- lout again (for up to the number of times set in 47-01-14: Number of Callout At- tempts). If the system dials the callout number and the pager service is busy, it retries the number in one minute.	15 minutes

Program

ltem No.	Item	Input Data	Description	Default
10	Wait Between Non- Pager Callout At- tempts	1 ~ 255 minutes	(Notify N-Pgr Intvl) Use this option to set the minimum time (1 ~ 255 minutes) between non-pager Mes- sage Notification callouts in which the des- tination answers, says Hello, dials 1 to ac- knowledge and then enters the wrong se- curity code.	20 minutes
11	Wait Between Busy Non-Pager Callout At- tempts	1 ~ 255 minutes	(Notify Busy Intvl) Use this option to set how long InMail waits (1 ~ 255 minutes) after it dials a busy non-pager callout destination, before retry- ing the callout number.	15 minutes
12	Wait Between RNA Non-Pager Callout At- tempts	1 ~ 255 minutes	 (Notify RNA Intvl) Use this option to set how long InMail waits (1 ~ 255 minutes), after it dials an unanswered non-pager callout destination, before retrying the callout number. There are 3 types of unanswered non-pager callouts: If the callout rings the destination longer than the 47-01-13: Wait for Answer Non-Pager Callout Attempts option. If the destination answers, says Hello (or the system detects answer supervision) and then hangs up without dialing 1 to log onto their mailbox. This typically happens if someone unfamiliar with notification answers the callout, or if the callout is picked up by an answering machine. If the destination answers and then hangs up without saying Hello. This typically happens if someone unfamiliar with the notification answers the callout (like the above example), or if the call is picked up by an answering machine with insufficient outgoing message volume. 	30 minutes
13	Number of RNA rings (V1.5 Changed)	1 ~ 99 rings	If a non-pager callout rings the destination longer than this interval (1 ~ 99 rings), In- Mail marks the call as unanswered (Ring No Answer) and hangs up.	5 rings
14	Number of Cascading Attempts (V1.5 Changed)	1 ~ 99 rings	Use this option to set how many times (1 ~ 99 rings) InMail retries an incomplete Mes- sage Notification callout. This total includes unacknowledged cal- louts, callouts to a busy destination, and callouts to an unanswered destination. This option applies to pager and non-pag- er callouts.	1 ring
15	Send Pager Callout Until Acknowledged	0 = No (Disabled) 1 = Yes (Enabled)	(Retry Until Ack) When this option is enabled (1), InMail continues to retry a digital pager Message Notification callout until the notification is acknowledged. If this option is disabled (0), InMail retries a digital pager Message Notification the number of times specified in 47-01-14 Number of Callout Attempts . This option does not apply to Message Notification callouts to telephone numbers. A digital pager notification is considered acknowledged when the recipient logs on- to the mailbox.	0
16	Name Format	0 = First-Last 1 = Last-First	Specify if names are displayed in First- Last format or Last-First.	0

ltem No.	Item	Input Data	Description	Default
17	InMail Port	0 ~ 113 (V3.5 Changed) (Can only use the port numbers provided in the description section.)	When using V3.5 or higher software the In- Mail can be assigned to ports 113-128 and will not affect the total station and trunk ports. In addition when the SL1100 is de- faulted with an InMail CF mounted the In- Mail is automatically assigned to ports 113-128 and when a SL1100 is upgraded to V3.5 or higher software the InMail ports can be moved to 113-128. The first port of InMail must start with one of the following ports: 5, 9, 13, 17, 21, 25, 29, 33, 37, 41, 45, 49, 53, 57, 61, 65, 69, 73, 77, 81, 85, 89, 93, 97, 101, 105, 109, 113. Only able to set 61~113 with V3.5 or higher.	0
18	Play PAD Control	1 ~ 63 (- 15.5 dBm ~ + 15.5 dBm)		32
19	Record PAD Control (for Networking)	1 ~ 63 (- 15.5 dBm ~ + 15.5 dBm)		32

47

Conditions

• When changing 47-01-01 or 47-01-02, a system reset is required for the new setting to take effect.

Feature Cross Reference

None

Program 47 : InMail 47-02 : InMail Station Mailbox Options

Level: IN

Description

Program

Use **Program 47-02 : InMail Station Mailbox Options** to set up a station/extension mailbox. Station mailboxes are automatically assigned as Subscriber Mailboxes. Normally, InMail Station Mailbox numbers 1 ~ 64 should correspond to extensions 101-164.

47

Station Mailboxes are one of three mailbox categories: Station, Routing, or Master. You can also set up Master Mailboxes as Subscriber Mailboxes.

Input Data

Station Mailbox Number

001 ~ 128 (V3.5 Changed)

ltem No.	ltem	Input Data	Description	Default
01	Mailbox Type	0 = None 1 = Personal 2 = Group	Use this option to enable or disable the mailbox. An extension mailbox is not ac- cessible when it is disabled (even though its stored messages and configuration are retained in memory.) If disabled, a user pressing Message initiates a remote logon and is asked to enter their mailbox num- ber. A voice prompt then announces: "That mailbox does not exist." To make programming easier, consider as- sociating a mailbox number with a station port. For example, mailbox 1 could corre- spond to port 1, which in turn corresponds to extension 101.	Mailbox 1 ~ 64 : 1 Mailbox 65 ~ 128 : 1 (V3.5 Changed)
02	Mailbox Number	Up to eight digits	Use this option to select the extension number associated with the mailbox you are programming. Normally, mailbox 1 should use Mailbox Number 101, mailbox 2 should use Mailbox Number 201, 101 etc. To make programming easier, consider as- sociating a mailbox number with a station port. For example, mailbox 1 could corre- spond to port 1, which in turn corresponds to extension 101.	Mailbox 1 = 101 Mailbox 2 ~ 64 = 102 ~ 164 Mailbox 65 ~ 112 = 165 ~ 212 (V3.5 Changed) Mailbox 113 ~ 128 = 250 ~ 265 (V3.5 Changed)
03	Number of Messages	0 ~ 99 messages To conserve storage space, enter 0 for all un- used mailboxes.	Use this option to set the maximum num- ber of messages that can be left in the Subscriber Mailbox. If a caller tries to leave a message after this limit is reached, they hear : "That mailbox is full." InMail then hangs up.	Mailbox 1 = 99 Mailbox 2 ~ = 20
04	Message Playback Order	0 (FIFO = first-in/ first- out, or oldest messages first). 1 (LIFO = last-in/ first- out, or newest messages first)	Use this option to set the Subscriber Mail- box message playback order. When a sub- scriber listens to their messages, InMail can play the oldest messages first (first-in/ first-out, or FIFO), or the newest messag- es first (last-in/first-out, or LIFO).	0
ltem No.	ltem	Input Data	Description	Default
-------------	--	--	--	---------
05	Auto Erase/Save of Messages	0 = Erase After the subscriber lis- tens to the entire new message and hangs up, InMail erases the mes- sage. 1 = Save After the subscriber lis- tens to the entire new message and hangs up, InMail saves the mes- sage.	Use this option to determine what happens when a Subscriber Mailbox user complete- ly listens to a new message and then exits the mailbox without either saving (SA) or erasing (E) the message. Depending on the setting of this option, InMail either au- tomatically saves or erases the message. If the mailbox user hangs up before listen- ing to the entire new message, InMail re- tains the message as a new message.	1
06	Message Retention	0 ~ 99 Days (0 = Indefinite)	Use this option to determine how long a Subscriber Mailbox retains held and saved messages. If a message is left in a Sub- scriber Mailbox longer than this interval, InMail deletes it.	0
07	Recording Conversa- tion Beep	0 = No (Disabled) 1 = Yes (Enabled)	(Rec Conv Beep) Use this option to enable or disable the Conversation Record beep. If enabled, all parties on a call hear the voice prompt "Recording", followed by a single beep when the extension user initiates Conver- sation Record. If disabled, the voice prompt and beep do not occur. When you disable the Conversation Record beep, the following voice prompts do not occur while InMail records the conversation: Recording (followed by a beep) That mailbox is full (if the mailbox message storage capacity is reached) You have reached the recording limit (if the recorded message is too long) Provides an additional Conversation Re- cord beep. This beep repeats according to the setting of Program 45-01-06 : Voice Mail Integration Options : Record Alert Tone Interval Time (0 ~ 64800 seconds). To disable the Conversation Record beep, enter 0 for this option.	1
08	Message Waiting Lamp	0 = No (Disabled) 1 = Yes (Enabled)	(Update MW Lamp) Use this option to enable or disable Mes- sage Waiting lamping at the extension as- sociated with the Subscriber mailbox. For Subscriber Mailboxes, you should leave this option enabled. For Guest Mailboxes, you should leave this option disabled.	1
09	Auto Attendant Direct to Voice Mail	0 = No (Disabled) 1 = Yes (Enabled)	(Auto-ATT DND) Use this option to enable or disable Auto Attendant Do Not Disturb. When a sub- scriber enables Auto Attendant Do Not Disturb, an Automated Attendant caller routes directly to the mailbox, hears the greeting, and is asked to leave a message. A subscriber can also enable Auto Attend- ant Do Not Disturb while recording their mailbox greeting.	0

ltem No.	ltem	Input Data	Description	Default
10	Forced Unscreened Transfer	0 = No (Disabled) 1 = Yes (Enabled)	(Forced UTRF) Use this option to enable or disable Auto- mated Attendant Forced Unscreened Transfer for the Subscriber Mailbox. If ena- bled, each Screened Transfer (TRF) to the extension is converted to an Unscreened Transfer (UTRF). If disabled, Screened Transfers from the Automated Attendant occur normally.	0
11	Auto Time Stamp	0 = No (Disabled) 1 = Yes (Enabled)	Use this option to enable or disable Auto Time Stamp for the Subscriber Mailbox. If ena- bled, after the subscriber listens to a mes- sage InMail announces the time and date the message was left. Auto Time Stamp al- so announces the message sender (if known). A subscriber can also enable Auto Time Stamp from their mailbox.	0
12	System Administrator	0 = No (Disabled) 1 = Yes (Enabled)	Use this option to designate the Subscriber Mailbox as a System Administrator. This allows the subscriber to use the SA options after logging onto their mailbox.	Mailbox 1 (101) = 1 Mailbox 2 ~= 0
13	Dialing Option	0 = No (Disabled) 1 = Yes (Enabled)	Dialing Option provides additional dialing options for Next Call Routing Mailbox calls (see Next Call Routing Mailbox below). If enabled, a caller who accesses the Sub- scriber Mailbox to leave a message can di- al any of the options in the Next Call Rout- ing Mailbox Dial Action Table. If disabled, the caller can dial only 0 (to use the Next Call Routing Mailbox 0 action).	0
14	Next Call Routing Mailbox	Call Routing Mailbox Number (1 ~ 3 digits, 00 ~ 32) (00 = Undefined) No entry (Entered by pressing CLEAR)	(Next CR Mbox) Use this option to assign a Next Call Rout- ing Mailbox to the Subscriber Mailbox. This provides callers with additional dialing options while listening to a Subscriber Mailbox recorded or default greeting. The digits the caller can dial depend on the set- ting of the Next Call Routing Mailbox and Alternate Next Call Routing Mailbox op- tions.	1
15	Directory List Number	0 = None 1 ~ 8 = List Number * = All		0
16	Voice Prompt Lan- guage	Refer to Ta- ble 2-9 47-02-16 Default Table on page 2-415.		Station Mailbox Number 1
17	Enable Paging	0 = No (Disabled) 1 = Yes (Enabled)		0
18	Paging Option	0 = RNA 1 = Immediately		0
19	Telephone User Inter- face Type	0 = Numeric 1 = Mnemonic		0
20	Enable E-mail Notifi- cation	0 = No 1 = Yes		0
21	E-mail Address	Up to 48 characters		No Setting
22	Include Message as Attachment	0 = No 1 = Yes		1
23	All Message Notifica- tion Enabled	0 = No 1 = Yes		1

ltem No.	Item	Input Data	Description	Default
24	All Find-Me Follow- Me Enabled	0 = No 1 = Yes		0
25	Security Code Option	0 = Always 1 = Remote Logon only		0
26	Auto Play (V1.5 Add- ed)	0 = Disabled 1 = Enable		0
27	Email message Save/ Delete Option (V1.5 Added)	0 = No Change 1 = Save 2 = Delete		0
28	Queuing (V3.0 Added)	0 = Disabled 1 = Enable	Use this option to enable or disable Mes- sage Notification Queuing. If enabled, Message Notification is stored in queue when there is no active notification desti- nation.	0

Table 2-9 47-02-16 Default Table

Item	Name	Input Data
47-02-16	Voice Prompt Language	01 = US English 02 = UK English 03 = Australian English 04 = French Canadian 05 = Dutch 06 = Mexican Spanish 07 = Latin America Spanish 08 = Italian 09 = German 10 = Madrid Spanish 11 = Norwegian 12 = Parisian French 13 = Brazilian Portuguese 14 = Japanese 15 = Mandarin Chinese 16 = Korean 17 = Iberian Portuguese 18 = Greek 19 = Danish 20 = Swedish 21 = Thai 22 = Mandarin Chinese (Taiwan) 23 = Flemish 24 = Turkish 25 = Arabic 26 = Russian (V3.0 Added)

Conditions

None

Feature Cross Reference

Program 47 : InMail 47-03 : InMail Group Mailbox Options

Level: IN

Description

Program

47

Input Data

	Group N	lailbox Number	01 ~ 32	01 ~ 32	
ltem No.	ltem	Input Data	Description	Default	
02	Mailbox Number	Up to eight digits No Setting (entered by pressing Hold)	(Mailbox Number) The Group Mailbox Number is the same as the Department Group master (pilot) number. Use this option to select the De- partment Group master (pilot) number as- sociated with the Group Mailbox you are programming.	Group Mailbox 1-31 = 3101-3131 (V3.5 Changed) Group Mailbox 32 = No Setting (V3.5 Changed)	
03	Mailbox Type	0 = None 1 = Subscriber 2 = Routing	(Mailbox Type) Use this option to set the Group Mailbox type. There are three types of InMail mail- boxes : None (0), Subscriber (1) and Rout- ing (2).	1	
03	Routing Mailbox Number	01 ~ 32		1	

Use Program 47-03 : InMail Group Mailbox Options to set up the 32 Group Mailboxes (01 ~ 32). A

Group Mailbox is used for Department Group overflow and can be a Subscriber or Call Routing.

Conditions

None

Feature Cross Reference

Program 47 : InMail 47-06 : Group Mailbox Subscriber Options

Level: IN

Description

Use **Program 47-06 : Group Mailbox Subscriber Options** to set up a Master Mailbox assigned as a Subscriber Mailbox in 47-03-03 : Master Mailbox Type.

Input Data

	Group Mailbox Number			01 ~ 32	
ltem No.	ltem	Input Data		Description	Default
01	Number of Messages	00 ~ 99 messages To conserve storage space, enter 0 for all un- used mailboxes.	Use this opti ber of messa Subscriber M leave a mes they hear, "T then hangs of	ion to set the maximum num- ages that can be left in the Mailbox. If a caller tries to sage after this limit is reached, l'hat mailbox is full." InMail up.	20
02	Message Playback Order	0 (FIFO = first-in/ first- out, or oldest messages first). 1 (LIFO = last-in/ first- out, or newest messages first).	Use this opti box messag scriber lister can play the first-out, or F es first (last-	ion to set the Subscriber Mail- e playback order. When a sub- ns to their messages, InMail e oldest messages first (first-in/ FIFO), or the newest messag- in/first-out, or LIFO).	0
03	Auto Erase/Save of Messages	0 = Erase After the subscriber lis- tens to the entire new message and hangs up, InMail erases the mes- sage. 1 = Save After the subscriber lis- tens to the entire new message and hangs up, InMail saves the mes- sage.	Use this opti when a Sub- ly listens to a the mailbox erasing (E) t the setting o tomatically s If the mailbo ing to the en tains the me	ion to determine what happens scriber Mailbox user complete- a new message and then exits without either saving (SA) or the message. Depending on of this option, InMail either au- saves or erases the message. Ex user hangs up before listen- tire new message, InMail re- essage as a new message.	1
04	Message Retention	0 ~ 90 days (0 = Indefinite)	Use this opti Subscriber M messages. I scriber Mailt InMail delete	ion to determine how long a Mailbox retains held and saved f a message is left in a Sub- oox longer than this interval, es it.	0

ltem No.	Item	Input Data	Description	Default
05	Recording Conversa- tion Beep	0 = No (Disabled) 1 = Yes (Enabled)	(Rec Conv Beep) Use this option to enable or disable the Conversation Record beep. If enabled, all parties on a call hear the voice prompt "Recording", followed by a single beep when the extension user initiates Conver- sation Record. If disabled, the voice prompt and beep do not occur. When you disable the Conversation Record beep, the following voice prompts do not occur while InMail records the conversation: Recording (followed by a beep) That mailbox is full (if the mailbox message storage capacity is reached) You have reached the recording limit (if the recorded message is too long) Provides an additional Conversation Re- cord beep. This beep repeats according to the setting of Program 45-01-06 : Voice Mail Integration Options : Record Alert Tone Interval Time (0 ~ 64800 seconds). To disable Conversation Record beep, en- ter 0 for this option.	1
06	Message Waiting Lamp	0 = No (Disabled) 1 = Yes (Enabled)	(Update MW Lamp) Use this option to enable or disable Mes- sage Waiting light at the extension associ- ated with the Subscriber mailbox. For Sub- scriber Mailboxes, you should leave this option enabled. For Guest Mailboxes, you should leave this option disabled.	1
07	Auto Attendant Direct to Voice Mail	0 = No (Disabled) 1 = Yes (Enabled)	Use this option to enable or disable Auto Attendant Direct to VM. When a subscriber enables Auto Attendant Direct to VM, an Automated Attendant caller routes directly to the mailbox, hears the greeting, and is asked to leave a message. A subscriber can also enable Auto Attendant Direct to VM while recording their mailbox greeting.	0
08	Forced Unscreened Transfer	0 = No (Disabled) 1 = Yes (Enabled)	(Forced UTRF) Use this option to enable or disable Auto- mated Attendant Forced Unscreened Transfer for the Subscriber Mailbox. If ena- bled, each Screened Transfer (TRF) to the extension is converted to an Unscreened Transfer (UTRF). If disabled, Screened Transfers from the Automated Attendant occur normally.	0
09	Auto Time Stamp	0 = No (Disabled) 1 = Yes (Enabled)	Use this option to enable or disable Auto Time Stamp for the Subscriber Mailbox. If enabled, after the subscriber listens to a message InMail announces the time and date the message was left. Auto Time Stamp also announces the message send- er (if known). A subscriber can also enable Auto Time Stamp from their mailbox.	0
10	System Administrator	0 = No (Disabled) 1 = Yes (Enabled)	(System Admin) Use this option to designate the Subscrib- er Mailbox as a System Administrator. This allows the subscriber to use the options af- ter logging onto their mailbox.	0

ltem No.	ltem	Input Data	Description	Default
11	Dialing Option	0 = No (Disabled) 1 = Yes (Enabled)	Dialing Option provides additional dialing options for Next Call Routing Mailbox calls (see Next Call Routing Mailbox below). If enabled, a caller who accesses the Sub- scriber Mailbox to leave a message can di- al any option in the Next Call Routing Mail- box Dial Action Table. If disabled, the call- er can dial only 0 (to use the Next Call Routing Mailbox 0 action).	0
12	Next Call Routing Mailbox	0 ~ 32 (0 = Undefined)	(Next CR Mbox) Use this option to assign a Next Call Rout- ing Mailbox to the Subscriber Mailbox. This provides callers with additional dialing options while listening to a Subscriber Mailbox recorded or default greeting. The digits the caller can dial depends on the setting of the Next Call Routing Mailbox and Alternate Next Call Routing Mailbox options.	1 (Call Routing Mailbox 01) By default, Call Routing Mailbox numbers are 01 = 16.
13	Directory List Number	0 = None 1 ~ 8 = List Number * = All	Specify the Directory List number to which the Group Mailbox belongs.	0
14	Voice Prompt Lan- guage	Refer to Ta- ble 2-10 47-06-14 De- fault Table on page 2-420.		1
15	Enable Paging	0 = No 1 = Yes		0
16	Paging Option	0 = RNA 1 = Immediate		0
17	Telephone User Inter- face	0 = Numeric interface 1 = Mnemonic interface 2 = Octel (future)		0
18	Enable Email Notifica- tion	0 = No 1 = Yes		0
19	Email Address	Up to 48 characters		No Setting
20	Include Msg as At- tachment	0 = No 1 = Yes		1
21	All Message Notifica- tion Enabled	0 = No 1 = Yes		1
22	All Find-Me Follow- Me Enabled	0 = No 1 = Yes		0
23	Security Code Option	0 = Always 1 = Remote Logon only		0
24	Auto Play (V1.5 Add- ed)	0 = Disabled 1 = Enabled		0
25	Email message Save / Delete Option (V1.5 Added)	0 = No Change 1 = Save 2 = Delete		0
26	Queuing (V3.0 Added)	0 = Disabled 1 = Enabled	Use this option to enable or disable Mes- sage Notification Queuing. If enabled, Message Notification is stored in queue when there is no active notification desti- nation.	0

Item	Name	Input Data
47-06-14	Voice Prompt Language	01 = US English
		02 = UK English
		03 = Australian English
		04 = French Canadian
		05 = Dutch
		06 = Mexican Spanish
		07 = Latin America Spanish
		08 = Italian
		09 = German
		10 = Madrid Spanish
		11 = Norwegian
		12 = Parisian French
		13 = Brazilian Portuguese
		14 = Japanese
		15 = Mandarin Chinese
		16 = Korean
		17 = Iberian Portuguese
		18 = Greek
		19 = Danish
		20 = Swedish
		21 = Thai
		22 = Mandarin Chinese (Taiwan)
		23 = Flemish
		24 = Turkish
		25 = Arabic
		26 = Russian (V3.0 Added)

Table 2-10 47-06-14 Default Table

Conditions

None

Program

47

Feature Cross Reference

Program 47 : InMail 47-07 : InMail Routing Mailbox Options

Level: IN

Description

Use **Program 47-07 : InMail Routing Mailbox Options** to set up the 32 Routing Mailboxes. Routing Mailboxes can be either Announcement or Call Routing Mailboxes.

Input Data

Routing Mailbox Number		01 ~ 32		
ltem No.	Item	Input Data	Description	Default
02	Routing Mailbox Type	0 = None 1 = Call Routing 2 = Announcement 3 = Directory 4 = Distribution	(Mailbox Type) Use this option to set the Routing Mailbox type.	Mailboxes 01 ~ 08 = 1 (Call Routing) Mailboxes 09 ~ 32 = 2 (An- nouncement)
03	Prompt Language	Refer to Ta- ble 2-11 47-07-03 De- fault Table on page 2-422.		1
04	Telephone User Inter- face	0 = Numeric interface 1 = Mnemonic interface 2 = Octel (future)		0

Item	Name	Input Data
47-07-03	Voice Prompt Language	01 = US English 02 = UK English 03 = Australian English 04 = French Canadian 05 = Dutch 06 = Mexican Spanish 07 = Latin America Spanish 07 = Latin America Spanish 08 = Italian 09 = German 10 = Madrid Spanish 11 = Norwegian 12 = Parisian French 13 = Brazilian Portuguese 14 = Japanese 15 = Mandarin Chinese 16 = Korean 17 = Iberian Portuguese 18 = Greek 19 = Danish 20 = Swedish 21 = Thai 22 = Mandarin Chinese (Taiwan) 23 = Flemish
		25 = Arabic 26 = Russian (V3.0 Added)

Table 2-11 47-07-03 Default Table

Conditions

None

Program

47

Feature Cross Reference

Program 47 : InMail 47-08 : Call Routing Mailbox Options

Level: IN

Description

Use **Program 47-08 : Call Routing Mailbox Options** to set the options for mailboxes assigned as Call Routing Mailboxes in 47-07-02 : Routing Mailbox Type.

Input Data

	Routing Mailbox Number			01 ~ 32	
	1	1			
ltem No.	Item	Input Data		Description	Default
01	Dial Action Table	1 ~ 32 (Dial Action Table 1 ~ 32) (V3.0 Changed)	Use this option to assign the Dial Action Table to the Call Routing Mailbox. The Dial Action Table defines the dialing options for the call Routing Mailbox.		1 (Dial Action Ta- ble 1)
02	Screened Transfer Timeout	0 ~ 255 seconds Entering 0 causes imme- diate recall.	(Scrn Trf Tin Use this opti Transfer (TR tendant ring: before recall This option h tomize: Mail [Call Handlir fore Redirect	neout) on to set how long a Screened RF) from the Automated At- s an unanswered extension ing. has a similar function as Cus- box Options: Call Routing: ng] Options: Delay Rings Be- t Transfer in InMail.	15 seconds
03	Time Limit for Dialing Commands	0 ~ 99 seconds Entering 0 causes the Automated Attendant to immediately route callers to the Timeout destina- tion programmed in the active Dial Action Table.	(Dialing Timeout) This option determines how long InMail waits for an Automated Attendant caller to dial before routing the call to the Timeout destination. Be sure your Dial Action Tables have a Timeout action programmed. If the caller waits too long to dial: When the associated Dial Action Table has a Timeout action programmed, the caller routes to that destination. When the associated Dial Action Table does not have a Timeout action program- med, the Instruction Menu repeats three times and then InMail hangs up		5 seconds
04	Fax Detection	0 = No (Disabled) 1 = Yes (Enabled)	Use this opti Detection for enabled, the (when using tects incomin then routes t according to Extension. If tendant does	on to enable or disable Fax r the Call Routing Mailbox. In InMail Automated Attendant this Call Routing Mailbox) de- ng fax CNG tone. The fax call to the company fax machine the setting of 47-01-06 : Fax disabled, the Automated At- s not detect incoming fax calls.	0
05	Fax Extension	Up to eight digits			No Setting

Conditions

None

Feature Cross Reference

None



Program 47 : InMail 47-09 : Announcement Mailbox Options

Level: IN

Description

Use **Program 47-09 : Announcement Mailbox Options** to set the options for mailboxes assigned as Announcement Mailboxes in 47-07-02 : Routing Mailbox Type.

Input Data

	Routing Mailbox Number			01 ~ 32	
ltem No.	Item	Input Data		Description	Default
01	Next Call Routing Mailbox	Call Routing Mailbox Number (01 ~ 32) Next Call Routing Mail- box 00 ~ 32 00 = Undefined	(Next CR MI If you set up answer Auto this option to tions to the A This option i and Hang U For more de Direct Anno Routed Ann- the InMail S	box) o an Announcement Mailbox to omated Attendant calls, use o provide additional routing op- Automated Attendant callers. nteracts with Repeat Count p After below. tail on this interaction, refer to uncement Mailbox Routing and ouncement Mailbox Routing in ystem Guide.	0
02	Repeat Count	0 ~ 10 (Announcement repeats 1 ~ 10 times) (0 = No Repeats)	Enter the number of times you want the Announcement Mailbox message to repeat to callers. After an Announcement Mailbox caller initially listens to the message, it re- peats the number of times specified in this option. This option interacts with Next Call Routing Mailbox and Hang Up After when providing routing options. For more detail on this interaction, refer to Direct Announcement Mailbox Routing and Routed Announcement Mailbox Routing in the Indail System Guide		0
03	Hang Up After	0 = None 1 = Goodbye 2 = Silent	(HangUp) Use this opti ing Mailbox provide addi mated Atten For more de Direct Annot Routed Annot the InMail S	ion along with Next Call Rout- and Repeat Count above to itional routing options to Auto- dant callers. tail on this interaction, refer to uncement Mailbox Routing and ouncement Mailbox Routing in ystem Guide.	0

Conditions

None

Feature Cross Reference

None



Program 47 : InMail 47-10 : InMail Trunk Options

Level: IN

Description

Use **Program 47-10 : InMail Trunk Options** to assign InMail options for each trunk. Currently, only 47-10-01 : Answer Table Assignment is available.

Input Data

Trunk Port Number			001 ~ 084		
ltem No.	ltem	Input Data		Description	Default
01	Answer Table Assign- ment	Answer Table (1 ~ 16) (V3.0 Changed)	(Answer Tat Use this opt Table to eac Automated A Automated A specified by	ole) ion to assign an InMail Answer th Direct Inward Line (DIL) the Attendant should answer. The Attendant follows the routing the selected Answer Table.	1
02	Record PAD Control	1 ~ 63 (- 15.5 dBm ~ + 15.5 dBm)			32
03	Voice Prompt Lan- guage	Refer to Ta- ble 2-12 47-10-03 De- fault Table on page 2-428.			1
04	Telephone User Inter- face (V4.0 Deleted)	0 = Numeric interface 1 = Mnemonic interface			0

Item	Name	Input Data
47-10-03	Voice Prompt Language	01 = US English
		02 = UK English
		03 = Australian English
		04 = French Canadian
		05 = Dutch
		06 = Mexican Spanish
		07 = Latin America Spanish
		08 = Italian
		09 = German
		10 = Madrid Spanish
		11 = Norwegian
		12 = Parisian French
		13 = Brazilian Portuguese
		14 = Japanese
		15 = Mandarin Chinese
		16 = Korean
		17 = Iberian Portuguese
		18 = Greek
		19 = Danish
		20 = Swedish
		21 = Thai
		22 = Mandarin Chinese (Taiwan)
		23 = Flemish
		24 = Turkish
		25 = Arabic
		1

Table 2-12 47-10-03 Default Table

Conditions

None

Program

47

Feature Cross Reference

Program 47 : InMail 47-11 : InMail Answer Table Options

Level: IN

Description

Use **Program 47-11 : InMail Answer Table Options** to set options for the Answer Tables. InMail provides eight Answer Tables (1 ~ 16 (V3.0 higher)). To set up the schedules for each Answer Table, go to 47-12 : InMail Answer Table Schedule.

Input Data

	Answer Table Numl	ber	1 ~ 16 (V3.0 Chan	ged)		
ltem No.	Item	Input Data	Description	Default		
01	Answer Schedule Override (Sched- ule Override) Use this option to enable or disable Answer Schedule Override for the se- lected Answer Table. If enabled (and you make an entry for Override Mail- box below), the active Answer Table routes calls to the Override Mailbox.	0 = No (Disabled) 1 = Yes (Enabled)		0		

Program

ltem No.	Item	Input Data	Description	Default
02	 Override Mailbox Category (Override MB Ctg) Use this option to specify the category of the mailbox where Automated Attendant calls should route when you enable Answer Schedule Override. If the Override Mailbox is a Subscriber Mailbox, the outside caller hears the mailbox greeting (if recorded) and can leave a message. If the Override Mailbox is a Master Mailbox, the outside caller shears the recorded announcement. Depending on how the Announcement Mailbox is programmed, InMail then hangs up, reroutes the call, or provides additional dialing options. If the Override Mailbox is a Routing Mailbox, the outside caller hears the instruction menu and can dial any option allowed by the associated Dial Action Table. If any of the Input Data values are entered, the terminal displays the Override Mailbox Number selection (below) 	0 = Undefined 1 = Subscriber Mailbox - STA 2 = Master Mailbox 3 = Routing Mailbox	Category 0 = Skip Mailbox No. setting Category 1 = Mailbox No. should be 1 ~ 128 (V3.5 Changed). re- fer to <47-02 : InMail Station Mailbox Options on page 2-412> Category 2 = Mailbox No. should be 1 ~ 32. refer to <47-03 : In- Mail Group Mailbox Options on page 2-416> Category 3 = Mailbox No. should be 1 ~ 32. refer to <47-07 : In- Mail Routing Mailbox Options on page 2-421>	0
	Override Mailbox Number (Override MB Num) Use this option to specify the mailbox where Automated Attendant calls should route when you enable Answer Schedule Override. The mailbox num- ber you select in this option should match the mailbox category specified in 47-11-02 : Override Mailbox Cate- gory above.	Up to 3 digits (using 0 ~ 9)	Category 0 = Skip Mailbox No. setting Category 1 = Mailbox No. should be 1 ~ 128 (V3.5 Changed). re- fer to <47-02 : InMail Station Mailbox Options on page 2-412> Category 2 = Mailbox No. should be 1 ~ 32. refer to <47-03 : In- Mail Group Mailbox Options on page 2-416> Category 3 = Mailbox No. should be 1 ~ 32. refer to <47-07 : In- Mail Routing Mailbox Options on page 2-421>	No setting

47

ltem No.	ltem	Input Data	Description	Default
03	 Default Mailbox Category(Default MB Ctg) Use this option to specify the category of mailbox used as the Default Mailbox. If the Default Mailbox, the outside caller hears the mailbox greeting (if recorded) and can leave a message. If the Default Mailbox is a Master Mailbox, the outside caller hears the mailbox greeting (if recorded) and can leave a message. If the Default Mailbox is a Master Mailbox, the outside caller hears the recorded announcement. Depending on how the Announcement Mailbox is programmed, InMail then hangs up, reroutes the call, or provides additional dialing options. If the Default Mailbox is a Routing Mailbox, the outside caller hears the instruction menu and can dial any option allowed by the associated Dial Action Table. If any of the Input Data values are entered, the terminal displays the Override Mailbox Number selection (below). 	0 = Undefined 1 = Subscriber Mailbox - STA 2 = Master Mailbox 3 = Routing Mailbox	Category 0 = Skip Mailbox No. setting Category 1 = Mailbox No. should be 1 ~ 128 (V3.5 Changed). re- fer to <47-02 : InMail Station Mailbox Options on page 2-412> Category 2 = Mailbox No. should be 1 ~ 32. refer to <47-03 : In- Mail Group Mailbox Options on page 2-416> Category 3 = Mailbox No. should be 1 ~ 32. refer to <47-07 : In- Mail Routing Mailbox Options on page 2-421>	Answer Table 1 = 3 Answer Table 2 ~ 8 = 0
	Default Mailbox Number (Default MB Num) Use this option to set the Answer Ta- ble Default Mailbox number. InMail uses the Default Mailbox when an An- swer Schedule is not in effect. By de- fault, this occurs at all times other than Monday through Friday from 8:30 AM to 5:00 PM.	Up to 3 digits (using 0 ~ 9)	Category 0 = Skip Mailbox No. setting Category 1 = Mailbox No. should be 1 ~ 128 (V3.5 Changed). re- fer to <47-02 : InMail Station Mailbox Options on page 2-412> Category 2 = Mailbox No. should be 1 ~ 32. refer to <47-03 : In- Mail Group Mailbox Options on page 2-416> Category 3 = Mailbox No. should be 1 ~ 32. refer to <47-07 : In- Mail Routing Mailbox Options on page 2-421>	Answer Table 1 = 1 Answer Table 2 ~ 8 = No setting
04	Next Answer Table When 10 Answer Schedules in an An- swer Table are not sufficient, use this option to link two Answer Tables to- gether. InMail treats the two linked ta- bles as a single 20 entry Answer Ta- ble.	Answer Table (0 ~ 16) (V3.0 Changed) 0 = Undefined		0

Conditions

None

Feature Cross Reference

Program 47 : InMail 47-12 : InMail Answer Schedules

Level: IN

Description

Program

47

Use **Program 47-12 : InMail Answer Schedules** to set up the InMail Automated Attendant Answer Schedules. There are 16 (V3.5 or higher) Answer Tables, with up to 10 Answer Schedules in each Answer Table.

Input Data

Answer Table Number	1 ~ 16 (V3.0 Changed)
Schedule Entry Number	1 ~ 10

ltem No.	ltem	Input Data	Default	Description
No. 01	Schedule Type	0 = Undefined 1 = Day of the Week 2 = Range of Days 3 = Date	Answer Table 1/ Schedule 1 = 2 All other schedules = 0	 (Entryxx Schedule Type) Use this option to assign a Schedule Type to the selected Answer Schedule. The Schedule Type determines how the Answer Schedule answers calls. The schedule can be one of the following types: 1. Day of the Week A Type 1 Answer Schedule runs on a specific day of the week. For this type of schedule, you select: The day of the week the schedule should run: The schedule end time. The Call Routing or Announcement Mailbox used to answer calls. 2. Range of Days A Type 2 Answer Schedule runs for a range of days. For this type of schedule runs for a range of days. For this type of schedule should start. The day of the week the schedule should start. The day of the week the schedule should start. The day of the week the schedule should start. The day of the week the schedule should start. The day of the week the schedule should start. The time on the start day the schedule should start. The Call Routing or Announcement Mailbox used to answer the calls. 3. Date A type 3 Answer Schedule runs only on a specific day of the year. For this type of schedule, you select: The specific date the schedule should run. On the selected date, the time
				 On the selected date, the time the schedule should stop. The Call Routing or Announce- ment Mailbox used to answer
				the calls.

ltem No.	Item	Input Data	Default	Description
02	Answering Mailbox Catego- ry (Entryxx MB Ctg) Use this option to specify the category of mailbox to which Automated Attendant calls should route when the sched- ule is in effect. If the Answering Mailbox is a Subscriber Mailbox , the out- side caller hears the mailbox greeting (if recorded) and can leave a message. If the Answering Mailbox is a Master Mailbox , the outside caller hears the recorded an- nouncement. Depending on how the Announcement Mail- box is programmed, InMail then hangs up, reroutes the call, or provides additional di- aling options. If the Answering Mailbox is a Routing Mailbox , the outside caller hears the instruction menu and can dial any option allowed by the associated Dial Action Table.	0 = Undefined 1 = Subscriber Mailbox - STA 2 = Master Mailbox 3 = Routing Mailbox	Answer Table 1/ Schedule 1 = 3 All Other Schedules = 0	Category 0 = Skip Mailbox No. set- ting Category 1 = Mailbox No. should be 1 ~ 128 (V3.5 Changed). refer to <47-02 : InMail Station Mailbox Options on page 2-412> Category 2 = Mailbox No. should be 1 ~ 32. refer to <47-03 : InMail Group Mailbox Options on page 2-416> Category 3 = Mailbox No. should be 1 ~ 32. refer to <47-07 : InMail Routing Mailbox Options on page 2-421>
	Answering Mailbox Number (Entryxx MB Num) Use this option to set the num- ber of the Answering Mailbox the Automated Attendant uses when the selected schedule is in effect. This mailbox is de- fined in 47-12-02 : Answering Mailbox Category.	Up to 3 digits (using 0 ~ 9)	Answer Table 1/ Schedule 1 = 1 All Other Answer Schedules = No set- ting	Category 0 = Skip Mailbox No. set- ting Category 1 = Mailbox No. should be 1 ~ 128 (V3.5 Changed). refer to <47-02 : InMail Station Mailbox Options on page 2-412> Category 2 = Mailbox No. should be 1 ~ 32. refer to <47-03 : InMail Group Mailbox Options on page 2-416> Category 3 = Mailbox No. should be 1 ~ 32. refer to <47-07 : InMail Routing Mailbox Options on page 2-421>
03	Day of the Week (Entryxx Day) For Day of the Week (Type 1) Answer Schedules, use this option to select the day of the week the Answer Schedule should be active.	1 = Sunday 2 = Monday 3 = Tuesday 4 = Wednesday 5 = Thursday 6 = Friday 7 = Saturday	All Schedules = 1	
04	Start Day (Entryxx Start Day) For Range of Days (Type 2) Answer Schedules, use this option to select the day of the week the Answer Schedule should start.	1 = Sunday 2 = Monday 3 = Tuesday 4 = Wednesday 5 = Thursday 6 = Friday 7 = Saturday	Answer Table 1/ Schedule 1 = 2 All Other Schedules = 1	
05	End Day (Entryxx End Day) For Range of Days (Type 2) Answer Schedules, use this option to select the day of the week the Answer Schedule should end.	1 = Sunday 2 = Monday 3 = Tuesday 4 = Wednesday 5 = Thursday 6 = Friday 7 = Saturday	Answer Table 1/ Schedule 1 = 6 All Other Answer Schedules = 1	

ltem No.	Item	Input Data	Default	Description
06	Date (Entryxx Date) For Date (Type 3) Answer Schedules, use this option to select the date the Answer Schedule should be active.	MMDD For example : - 0101 = January 1 - 1231 = December 31 (0000 = Undefined)	All Schedule = 0000	
07	Schedule Start Time (Entryxx Start Time) Use this option to specify the time the Answer Schedule should start. It applies to Day of the Week (Type 1), Range of Days (Type 2), and Date (Type 3) schedules. (To make a schedule run continuously, make the same entry for 47-12-07 : Schedule Start Time and 47-12-08 : Schedule End Time.)	HHMM (24-hour clock) For example : - 0130 = 1 : 30 AM - 1700 = 5 : 00 PM (0000 = Undefined)	Answer Table 1/ Schedule 1 = 0830 All other schedules are 0000.	
08	Schedule End Time (Entryxx End Time) Use this option to specify the time the Answer Schedule should end. It applies to Day of the Week (Type 1), Range of Days (Type 2), and Date (Type 3) schedules. (To make a schedule run continuously, make the same entry for 47-12-07 : Schedule Start Time and 47-12-08 : Schedule End Time.)	HHMM (24-hour clock) For example : - 0130 = 1 : 30 AM - 1700 = 5 : 00 PM (0000 = Undefined)	Answer Table 1/ Schedule 1 = 1700 All Other Schedules = 0000	

Conditions

None

Feature Cross Reference

None

Program 47 : InMail 47-13 : InMail Dial Action Tables

Level: <u>IN</u>

Description

Program

47

Use **Program 47-13 : InMail Dial Action Tables** to set up the InMail Dial Action Tables. The Dial Action Table defines the options than an Automated Attendant caller can dial. A Dial Action Table is associated with a Call Routing Mailbox, which is in turn associated with an Answer Table. When an Answer Table is active, its associated Call Routing Mailbox selects the Dial Action Table which provides dialing options to callers. The illustration below shows how this works in a default InMail system. There are 32 (V3.0 or higher) Dial Action Tables.

Input Data

Dial Action Table Number	01 ~ 32 (V3.0 Changed)
Key Number	0 ~ 9, *, #, TIMEOUT

47

Item No.	Name	Input Data	Description
01	Action	0 = UND (Undefined) 1 = TRF (Transfer) 2 = UTRF (Unscreened Transfer) 3 = REC1 4 = REC2 5 = LOGON 6 = Hang Up 7 = GOTO	 TRF Action - Screened Transfer (1) (TRF) UTRF Action - Unscreened Transfer (2) (UTRF) REC1 Action - Quick Message With Greeting (3) (REC1) REC2 Action - Quick Message Without Greeting (4) (REC2) LOGON Action - Log Onto Voice Mail (5) (LOGON) Hang Up Action (6) (HNGUP) GOTO Action - Go to Mailbox (7) (GOTO) UND Action - Undefined Routing (0) (UND)
	Data	Up to 8 digits (0 ~ 9, *, #) X = Caller Dialed Digits I = Ignore Digits N = No Routing P = Pause	 Digits Entry : 0 ~ 9, #, and * (8 digits max.) Use Dial Action Table digits to route an Automated Attendant call to a specific location (such as an extension). For example, to set up a TRF Action to route to extension 305, for 3 enter TRF for the Action and 305 for the corresponding Number. Caller Dialed Digits Entry : X(Entered by pressing LK2) Use the X option to route an Automated Attendant call based on digits the caller dials. Each X entry represents one caller dialed digit. For example, to set up a TRF Action to route to any caller dialed extension in the 301 ~ 399 range, for 3 enter TRF for the Action and XXX for the corresponding Number. Ignore Digits Entry : I(Entered by pressing LK3) Use the I option to represent any digit dialed by the Automated Attendant caller that PZ-VM21 InMail ignores for routing. An example of this is REC action assigned to the * key in Dial Action Table 1 by default. The Action is REC2 and the Number is IXXX. This means that a caller can dial * + any mailbox number to leave a Quick Message in that mailbox. InMail ignores the first digit dialed by the caller (*), and routes according to the next 3 digits dialed. No Routing Entry : N(Entered by pressing LK1) Use the N option when you want to prompt the caller to enter a mailbox number. To do this for the # key (for example), for the # key enter LOGON for the Action and N for the corresponding Number. When the caller dials #, they hear, Please enter the mailbox number. Or, to exit, press the pound key. Pause Entry : P(Entered by pressing LK4) Use the P option when you want the Automated Attendant to pause while dialing.

Defaults

Dial Action Table Default Settings					
Key	Dial Action Table 1		Dial Action	Table 2 ~ 16	
	Action	Data	Action	Data	
1	2 (UTRF)	XXX	0 (UND)	0	
2	2 (UTRF) (V3.5 Changed)	XXX (V3.5 Changed)	0 (UND)	0	
3	2 (UTRF)	XXXX	0 (UND)	0	
4	0 (UND)	0	0 (UND)	0	
5	0 (UND)	0	0 (UND)	0	
6	0 (UND)	0	0 (UND)	0	

Dial Action Table Default Settings					
Key	Dial Action Table 1		Dial Action	Table 2 ~ 16	
	Action	Data	Action	Data	
7	0 (UND)	0	0 (UND)	0	
8	0 (UND)	0	0 (UND)	0	
9	6 (Hang Up)	0	0 (UND)	0	
0	2 (UTRF)	101	0 (UND)	0	
*	3 (REC1)	IXXX	0 (UND)	0	
#	5 (LOGON)	IXXX	0 (UND)	0	
TIMEOUT	2 (UTRF)	101	0 (UND)	0	

47

TIMEOUT provides the routing for rotary dial callers.

 Note

 If Action is set 0 or 6 skip Data setting.

 "XXX"= change as it fit

 The "Data" data needs to follow these rules below.

 0 (UND) = none

 1 (TRF) = dial data (any), X, I, N, or P

 2 (UTRF) = dial data (any), X, I, N, or P

 3 (REC1) = mailbox number (subscriber or group)

 4 (REC2) = mailbox number (subscriber or group)

 5 (LOGON) = mailbox number (subscriber or group)

 6 (HANGUP) = none

 7 (GOTO) = routing mailbox number index (1 ~ 32)

 Otherwise it will not be routed properly.

Conditions

None

Feature Cross Reference

Program 47 : InMail 47-15 : Routing Directory Mailbox Options

Level: IN

Description

Use **Program 47-15 : Routing Directory Mailbox Options** to define the Routing Directory Mailbox Options. This data is referred if Program 47-07-02 (Routing Master Mailbox Type) was set to Type 4 (Directory).

Input Data

	Master Mailbox Number	01 ·	01 ~ 32	
ltem No.	Item	Input Data	Default	
01	Minimum Number of Letters Re- quired	1~3	1	
02	Directory List Number to Use	1~8	1	
03	Name Match	0 = First 1 = Last	0	
04	Transfer Option	0 = TRF 1 = UTRF	0	
05	Screened Transfer Timeout	0 ~ 255	15	
06	Time Limit for Dialing Commands	0 ~ 99	5	
07	Fax Detection	0 = Disable 1 = Enable	0	
08	Next Call Routing Mailbox	0 ~ 32	0	
09	Fax Extension	Up to eight digits	No Setting	

Conditions

None

Feature Cross Reference

Program 47 : InMail 47-17 : Routing Distribution Mailbox Options

Level: IN

Description

Program

47

Use **Program 47-17 : Routing Distribution Mailbox Options** to assign data when Program 47-07-02 is set to 4 (Distribution).

Input Data

Routing Mailbox Number	01 ~ 32

Entry	Number
-------	--------

ltem No.	Item	Input Data	Description	Default
01	Distribution Mailbox Category Use Undefined (0) to skip Mailbox Number setting. Use Station Mailbox (1) for setting Mailbox Number to 1 ~ 128 (V3.5 Changed) (Program 47-02). Use Group Number (2) for setting Group Mailbox (1 ~ 32) (Program 47-03).	0 = Undefined 1 = Station Mailbox 2 = Group Mailbox	Category 1 = Mailbox No. should be 1 ~ 128 (V3.5 Changed). refer to <47-02 : InMail Station Mailbox Options on page 2-412> Category 2 = Mailbox No. should be 1 ~ 32. refer to <47-03 : InMail Group Mailbox Options on page 2-416>	0
	Distribution Mailbox Number	Up to 3 digits	Category 1 = Mailbox No. should be 1 ~ 128 (V3.5 Changed). refer to <47-02 : InMail Station Mailbox Options on page 2-412> Category 2 = Mailbox No. should be 1 ~ 32. refer to <47-03 : InMail Group Mailbox Options on page 2-416>	No Set- ting

Conditions

None

Feature Cross Reference

Program 47 : InMail 47-18 : SMTP Setup

Level: IN

Description

Use Program 47-18 : SMTP Setup to set the SNMP e-mail notification.

Input Data

ltem No.	ltem	Input Data	Default
01	SMTP Enabled	0 = No 1 = Yes	0
02	Server Name	Up to 48 characters	No Setting
03	SMTP Port	0 ~ 65535	25
04	Encryption	0 = No 1 = Yes	0
05	Authentication	0 = No 1 = Yes 2 = POP3	0
06	User Name	Up to 48 characters	No Setting
07	Password	Up to 48 characters	No Setting
08	E-mail Address	Up to 48 characters	No Setting
09	Reply to Address	Up to 48 characters	No Setting

Conditions

None

Feature Cross Reference

None

Program

Program 47 : InMail 47-19 : POP3 Setup

Level:

Description

Program

47

Input Data

ltem No.	ltem	Input Data	Default
01	Server Name	Up to 48 characters	No Setting
02	POP3 Port	0 ~ 65535	110
03	Encryption	0 = No 1 = Yes	0
04	User Name	Up to 48 characters	No Setting
05	Password	Up to 48 characters	No Setting

Use Program 47-19 : POP3 Setup to set the InMail e-mail notification.

Conditions

None

Feature Cross Reference

Program 47 : InMail

47-20 : Station Mailbox Message Notification Options

Level: <u>IN</u>

Description

Use **Program 47-20 : Station Mailbox Message Notification Options** to define the IntraMail Station Mailbox Message Notification Options.

Input Data

Station Mailbox Number			001 ~ 128 (V	3.5 Changed)
	Index Number	1~5		
Item	Item	Input	Data	Default

No.	Item	Input Data	Default
01	Notification	0 = Off 1 = On	0
02	Notification Begin Hour	00 ~ 23 (00 (12 : 00 AM) ~ 23 (11 : 00 PM))	00
03	Notification End Hour	00 ~ 23 (00 (12 : 00 AM) ~ 23 (11 : 00 PM))	00
04	Notification Type	0 = Undefined 1 = Voice 2 = Pager	1
05	Notification Number	Up to 16 digits	No Setting
06	Notification Busy Attempts	1 ~ 99 (attempts)	5
07	Notification RNA Attempts	1 ~ 99 (attempts)	5
08	Notification Security	0 = Off 1 = On	1
09	Notification Day of week - Sunday (V1.5 Added)	0 = Disabled 1 = Enabled	1
10	Notification Day of week - Monday (V1.5 Added)	0 = Disabled 1 = Enabled	1
11	Notification Day of week - Tuesday (V1.5 Added)	0 = Disabled 1 = Enabled	1
12	Notification Day of week - Wednes- day (V1.5 Added)	0 = Disabled 1 = Enabled	1
13	Notification Day of week - Thurs- day (V1.5 Added)	0 = Disabled 1 = Enabled	1
14	Notification Day of week - Friday (V1.5 Added)	0 = Disabled 1 = Enabled	1
15	Notification Day of week - Saturday (V1.5 Added)	0 = Disabled 1 = Enabled	1

Conditions

None

Feature Cross Reference

None



Program 47 : InMail

47-21 : Station Mailbox Find-Me Follow-Me Options

Level: IN

Description

Use **Program 47-21 : Station Mailbox Find-Me Follow-Me Options** to define the IntraMail Station Mailbox Find-Me Follow-Me Options.

Input Data

d)
fault
0
00
00
Setting
1
1
1
1
1
1
1
1 1 1 1

Conditions

None

Feature Cross Reference

None

Program

Program 47 : InMail

47-22 : Group Mailbox Message Notification Options

Level: IN

Description

Program

47

Input Data

Group Mailbox Number	01 ~ 32

Use Program 47-22 : Group Mailbox Message Notification Options to define the IntraMail Group

Mailbox Message Notification Options.

1~5

ltem No.	Item	Input Data	Default
01	Notification	0 = Off 1 = On	0
02	Notification Begin Hour	00 ~ 23 (00 (12 : 00 AM) ~ 23 (11 : 00 PM))	00
03	Notification End Hour	00 ~ 23 (00 (12 : 00 AM) ~ 23 (11 : 00 PM))	00
04	Notification Type	0 = Undefined 1 = Voice 2 = Pager	1
05	Notification Number	Up to 16 digits	No Setting
06	Notification Busy Attempts	1 ~ 99 (attempts)	5
07	Notification RNA Attempts	1 ~ 99 (attempts)	5
08	Notification Security	0 = Off 1 = On	1
09	Notification Day of week - Sunday (V1.5 Added)	0 = Disabled 1 = Enabled	1
10	Notification Day of week - Monday (V1.5 Added)	0 = Disabled 1 = Enabled	1
11	Notification Day of week - Tuesday (V1.5 Added)	0 = Disabled 1 = Enabled	1
12	Notification Day of week - Wednes- day (V1.5 Added)	0 = Disabled 1 = Enabled	1
13	Notification Day of week - Thurs- day (V1.5 Added)	0 = Disabled 1 = Enabled	1
14	Notification Day of week - Friday (V1.5 Added)	0 = Disabled 1 = Enabled	1
15	Notification Day of week - Saturday (V1.5 Added)	0 = Disabled 1 = Enabled	1

Conditions

None

Feature Cross Reference

None

Program

Program 47 : InMail

47-23 : Group Mailbox Find-Me Follow-Me Options

Level: IN

Description

Program

47

Input Data

Group Mailbox Number	01 ~ 32
----------------------	---------

Use Program 47-23 : Group Mailbox Find-Me Follow-Me Options to define the IntraMail Group

Index	Number
Index	Number

Mailbox Find-Me Follow-Me Options.

1~3

ltem No.	Item	Input Data	Default
01	Find-Me Follow-Me	0 = Off 1 = On	0
02	Find-Me Follow-Me Begin Hour	00 ~ 23 (00 (12 : 00 AM) ~ 23 (11 : 00 PM))	00
03	Find-Me Follow-Me End Hour	00 ~ 23 (00 (12 : 00 AM) ~ 23 (11 : 00 PM))	00
04	Find-Me Follow-Me Number	Up to 16 digits	No Setting
05	Find-Me Follow-Me Day of week - Sunday (V1.5 Added)	0 = Disabled 1 = Enabled	1
06	Find-Me Follow-Me Day of week - Monday (V1.5 Added)	0 = Disabled 1 = Enabled	1
07	Find-Me Follow-Me Day of week - Tuesday (V1.5 Added)	0 = Disabled 1 = Enabled	1
08	Find-Me Follow-Me Day of week - Wednesday (V1.5 Added)	0 = Disabled 1 = Enabled	1
09	Find-Me Follow-Me Day of week - Thursday (V1.5 Added)	0 = Disabled 1 = Enabled	1
10	Find-Me Follow-Me Day of week - Friday (V1.5 Added)	0 = Disabled 1 = Enabled	1
11	Find-Me Follow-Me Day of week - Saturday (V1.5 Added)	0 = Disabled 1 = Enabled	1

Conditions

None

Feature Cross Reference
Program 80 : Basic Hardware Setup for System 80-01 : Service Tone Setup

Level: IN

Description

Use **Program 80-01 : Service Tone Setup** to define up to 64 Service Tones. Each service tone is defined by the combination of 32 Basic Tones.

Input Data

Service Tone Number			01 ~	~ 64
ltem No.	Item	Input Data		Default
01	Repeat Count	0 ~ 255 (0 = Endless)		Refer below

Program

l Init	Number	

1~8

ltem No.	Item	Input Data	Default
02	Basic Tone Number	0 ~ 33 (0 = No Tone) (33 = Default Time Slot)	Refer below
03	Duration Count	0 ~ 255 (0, 100 ~ 25500 ms)	Refer below
04	Gain Level (dB)	0 ~ 63 (- 15.5 ~ + 15.5)	Refer below

Table 2-13 Basic Tones

Basic Tone No.	Frequency (Hz)	Level (dB)
01	400	- 13
02	520	- 13
03	580	- 13
04	660	- 13
05	700	- 13
06	800	- 13
07	880	- 13
08	1050	- 13
09	350 / 440	- 16 / - 16
10	440 / 480	- 16 / - 16
11	480 / 620	- 21 / - 21
12	440	-16
13	Reserve	-
14	520 / 650	-19 / -13

Basic Tone No.	Frequency (Hz)	Level (dB)
15	650 / 780	-19 / -13
16	780 / 1040	-19 / -13
17	520 / 650	-13 / -19
18	650 / 780	-13 / -19
19	780 / 1040	-13 / -19
20	1040	-13
21	450	-13
22	950	-13
23	1800	-13
24	400 / 450	-13/-13
25	Reserve	-
26	Reserve	-
27	Reserve	-
28	Reserve	-
29	Reserve	-
30	Reserve	-
31	Reserve	-
32	Reserve	-

Default

Program

Serv- ice Tone No.	Service Tone Name	Repeat Count	Unit Count	Basic Tone No.	Duration	Gain Level (dB)
1	No tone	0	1	0	10	32 (0 dB)
2	Internal Dial Tone	0	1	9	10	32 (0 dB)
3	Stutter Dial Tone (Special Dial Tone)	0	6	0 9 0 9 0 9	2 1 1 1 1 77	32 (0 dB) 32 (0 dB) 32 (0 dB) 32 (0 dB) 32 (0 dB) 32 (0 dB) 32 (0 dB)
4	Internal Recall Dial Tone (Transfer Dial Tone)	2	2	9 0	1 1	32 (0 dB) 32 (0 dB)
5	Trunk Dial Tone	0	1	9	10	32 (0 dB)
6	Internal Busy Tone (Busy Tone)	0	2	0 11	5 5	20 (- 6 dB) 20 (- 6 dB)
7	DND Busy Tone	0	2	0 1	2 2	32 (0 dB) 32 (0 dB)
8	B-busy Tone	0	2	0 11	5 5	20 (- 6 dB) 20 (- 6 dB)
9	Internal Reorder Tone (Congestion Tone)	0	2	11 0	3 2	20 (- 6 dB) 20 (- 6 dB)
10	Internal Interrupt Tone (Warning Tone)	0	2	11 0	3 2	20 (- 6 dB) 20 (- 6 dB)
11	Internal Confirmation Tone (Confirmation Tone)	3	2	0 9	1 1	32 (0 dB) 32 (0 dB)
12	Internal Hold Tone	0	0	0	0	32 (0 dB)

Service Set Tone

Service Clear Tone

Speaker Monitor Tone

Talk-Back Tone

Door Relay Tone

25

26

27

28

29

Serv- ice Tone No.	Service Tone Name	Repeat Count	Unit Count	Basic Tone No.	Duration
13	External Hold Tone	0	0	0	0
14	Internal Ring-back Tone (Internal Audible Ring) (Ring Back Tone)	0	2	10 0	10 30
15	Override Tone	1	1	12	5
16	Lock-out Tone	0	2	0 6	1 1
17	Clock alarm tone	0	4	6 0 6 0	1 1 1 7
18	BGM	0	0	0	0
19	Doorphone chime 1	3	6	4 4 2 2 2 0	2 2 3 4 6 5
20	Doorphone chime 2	3	6	7 7 5 5 5 5 0	2 2 3 4 6 5
21	Doorphone chime 3	3	6	8 8 6 6 6 0	2 2 3 4 6 5
22	Doorphone chime 4	3	6	4 4 2 2 2 2 0	1 1 2 2 3 2
23	Doorphone chime 5	3	6	7 7 5 5 5 5 0	1 1 2 2 3 2
24	Doorphone chime 6	3	6	8 8	1 1

3

3

2

1

1

2

2

2

2

2

Program

80

Gain Level (dB)

SL1100

32 (0 dB) 20 (- 6 dB) 20 (- 6 dB)

32 (0 dB) 32 (0 dB) 32 (0 dB) 32 (0 dB)

32 (0 dB) 32 (0 dB) 32 (0 dB) 32 (0 dB)

38 (+ 3 dB) 26 (- 3 dB) 38 (+ 3 dB) 26 (- 3 dB) 14 (- 9 dB) 32 (0 dB) 38 (+ 3 dB) 26 (- 3 dB) 38 (+ 3 dB) 26 (- 3 dB) 14 (- 9 dB) 32 (0 dB) 38 (+ 3 dB) 26 (- 3 dB) 38 (+ 3 dB) 26 (- 3 dB) 14 (- 9 dB) 32 (0 dB)

38 (+ 3 dB) 26 (- 3 dB) 38 (+ 3 dB) 26 (- 3 dB) 14 (- 9 dB) 32 (0 dB)

38 (+ 3 dB) 26 (- 3 dB) 38 (+ 3 dB) 26 (- 3 dB) 14 (- 9 dB) 32 (0 dB) 38 (+ 3 dB) 26 (- 3 dB)

38 (+ 3 dB) 26 (- 3 dB) 14 (- 9 dB)

32 (0 dB)

1 2

2

3

2

1

1

1

1

1

1

1

1

1

1

6

6

6

0

0

9

0

9

0

6

0

6

0

Serv- ice Tone No.	Service Tone Name	Repeat Count	Unit Count	Basic Tone No.	Duration	Gain Level (dB)
30	Doorphone Call Tone	1	2	0 6	1	32 (0 dB) 32 (0 dB)
31	Paging Tone	2	2	0 6	1 1	32 (0 dB) 32 (0 dB)
32	Splash Tone 1	1	2	0 6	1 1	32 (0 dB) 32 (0 dB)
33	Splash Tone 2	2	2	0 6	1 1	32 (0 dB) 32 (0 dB)
34	Splash Tone 3	3	2	0 6	1 1	32 (0 dB) 32 (0 dB)
35	1 Sec Signal Tone	1	1	6	10	32 (0 dB)
36	External audible ring tone	0	2	10 0	10 30	32 (0 dB) 32 (0 dB)
37	External reorder tone	0	2	0 11	2 3	32 (0 dB) 32 (0 dB)
38	External busy tone	0	2	0 11	5 5	32 (0 dB) 32 (0 dB)
39	Special audible ring-busy tone	0	6	0 11 0 11 10 0	5 5 5 5 10 20	32 (0 dB) 32 (0 dB) 32 (0 dB) 32 (0 dB) 32 (0 dB) 32 (0 dB) 32 (0 dB)
40	Internal Call Waiting Tone (Transfer, Call Waiting Tone)	1	1	12	2	32 (0 dB)
41	Intrusion tone	1	1	12	5	32 (0 dB)
42	Conference tone	0	0	0	0	32 (0 dB)
43	Intrusion tone 2	0	0	0	0	32 (0 dB)
44	External Dial Tone (DUD,DISA Dial Tone)	0	1	9	1	26 (- 3 dB)
45	External Ring Back Tone (Ring Tone DDI)	0	2	10 0	10 30	32 (0 dB) 32 (0 dB)
46	External Busy Tone (Busy Tone DDI)	0	2	0 11	5 5	32 (0 dB) 32 (0 dB)
47	Number unobtainable tone	0	1	11	0	32 (0 dB)
48	VM message indication tone	0	2	9 0	1 1	32 (0 dB) 32 (0 dB)
50	External special audible ring tone	0	3	10 12 0	10 2 30	32 (0 dB) 32 (0 dB) 32 (0 dB)
51	External intercept tone	0	2	12 4	3 2	32 (0 dB) 32 (0 dB)
52	External call waiting tone	1	1	12	3	32 (0 dB)
53	External executive override tone	1	1	12	10	32 (0 dB)
54	Progress Tone (V4.0 Add- ed)	0	2	0 1	6 1	32 (0 dB) 32 (0 dB)
55	Generate tone for TAPI2.1	0	1	3	0	32 (0 dB)
56	Warning Beep Tone Signal- ing	1	1	2	8	32 (0 dB)

Program

SL1100

Serv- ice Tone No.	Service Tone Name	Repeat Count	Unit Count	Basic Tone No.	Duration	Gain Level (dB)
57	Headset Ear Piece Ringing Tone	0	5	0 2 0 2 0	2 1 1 1 20	32 (0 dB) 32 (0 dB) 32 (0 dB) 32 (0 dB) 32 (0 dB) 32 (0 dB)
58	Opening Chime tone	1	8	2 2 14 15 15 16 16	2 2 2 2 2 2 6 4	32 (0 dB) 26 (- 3 dB) 32 (0 dB) 26 (- 3 dB) 32 (0 dB) 26 (- 3 dB) 32 (0 dB) 26 (- 3 dB) 26 (- 3 dB)
59	Ending Chime tone	1	8	20 20 19 18 18 18 17 17	2 2 2 2 2 2 2 6 4	32 (0 dB) 26 (- 3 dB) 32 (0 dB) 26 (- 3 dB) 32 (0 dB) 26 (- 3 dB) 32 (0 dB) 32 (0 dB) 26 (- 3 dB)
60	Splash tone 1 (Mute)	1	2	0 6	1 1	8 (- 12dB) 8 (- 12 dB)
61	Splash tone 2 (Mute)	2	2	0 6	1 1	8 (- 12dB) 8 (- 12 dB)
62	Splash tone 3 (Mute)	3	2	0 6	1 1	8 (- 12dB) 8 (- 12 dB)
63	EXT SPK Ring-back Tone	0	2	10 0	10 30	32 (0 dB) 32 (0 dB)
64	Special Hold Tone	0	4	11 0 11 0	2 3 2 12	35 (+ 1.5 dB) 32 (0 dB) 35 (+ 1.5 dB) 32 (0 dB)

Conditions

• The system must be reset for any changes to these items to take affect.

Feature Cross Reference

Selectable Ring Tones

Program 80 : Basic Hardware Setup for System 80-02 : DTMF Tone Setup

Level: MF

Description

Program

80

Use **Program 80-02 : DTMF Tone Setup** to define the duration (On time) and pause (Off time) for DTMF dialing. This option affects all trunk line calls system wide. Make separate entries for duration and pause. It is also possible to adjust the level of both high and low frequency tone.

Input Data

ltem No.	Item	Input Data	Default
01	Duration	1 ~ 255	5 (100 ms)
02	Pause	1 ~ 255	5 (100 ms)
03	Tone Level (Low) (dB)	1 ~ 97 (- 45.0 ~ 0 = + 3)	65 (- 13 dB)
04	Tone Level (High)	1 ~ 97 (- 45.0 ~ 0 = + 3)	69 (- 11 dB)



Conditions

None

Feature Cross Reference

Program 80 : Basic Hardware Setup for System 80-03 : DTMF Tone Receiver Setup

Level: MF

Description

Use **Program 80-03 : DTMF Tone Receiver Setup** to define the various levels and timers for the DTMF Tone Receiver.

DTMF Tone Receiver Type :

- 1 = DTMF Receiver for Extension
- 2 = DTMF Receiver for Trunk
- 3 ~ 5 = Reserved

Input Data

DTMF Tone Receiver Type Number	1 = DTMF Receiver for Extension 2 = DTMF Receiver for Trunk 3 = Reserved 4 = Reserved 5 = Reserved
--------------------------------	--

ltem No.	ltem	Input Data	Description	Default
01	Detect Level	0 = 0 dBm ~ - 25 dBm 1 = - 5 dBm ~ - 30 dBm 2 = - 10 dBm ~ - 35 dBm 3 = - 15 dBm ~ - 40 dBm 4 = - 20 dBm ~ - 45 dBm 5 = - 25 dBm ~ - 50 dBm 6 = - 30 dBm ~ - 55 dBm	Used to select the systems DTMF tone detection levels.	Refer below
02	Start Delay Time	0 ~ 255 (0.25 ms ~ 64 ms)		Refer below
03	Min. Detect Level	$0 \sim 15$ DTMF Tone $0 = -10$ dBm (0) to - 25 dBm (15) DTMF Tone $1 = -15$ dBm (0) to - 30 dBm (15) DTMF Tone $2 = -20$ dBm (0) to - 35 dBm (15) DTMF Tone $3 = -25$ dBm (0) to - 40 dBm (15) DTMF Tone $4 = -30$ dBm (0) to - 45 dBm (15) DTMF Tone $5 = -35$ dBm (0) to - 50 dBm (15) DTMF Tone $6 = -40$ dBm (0) to - 55 dBm (15)		Refer below

ltem No.	Item	Input Data	Description	Default
04	Max. Detect Level	$0 \sim 15$ DTMF Tone 0 = 0 dBm (0) to - 15 dBm (15) DTMF Tone 1 = - 5 dBm (0) to - 20 dBm (15) DTMF Tone 2 = - 10 dBm (0) to - 25 dBm (15) DTMF Tone 3 = - 15 dBm (0) to - 30 dBm (15) DTMF Tone 4 = - 20 dBm (0) to - 35 dBm (15) DTMF Tone 5 = - 25 dBm (0) to - 40 dBm (15) DTMF Tone 6 = - 30 dBm (0) to - 45 dBm (15)		Refer below
05	Forward Twist Level	0 ~ 9 (1 dB ~ 10 dB)		Refer below
06	Backward Twist Level	0 ~ 9 (1 dB ~ 10 dB)		Refer below
07	ON Detect Time	1 ~ 255 (15 + 15 ms ~ 3825 ms)		Refer below
08	OFF Detect Time	1 ~ 255 (15 + 15 ms ~ 3825 ms)		Refer below
09	Area Type	0 = Other 1 = Aust		Refer below

Default

Program

80

ltem No	ltem	Type 1	Type 2	Туре 3	Type 4	Туре 5
01	Detect Level	0	0	0	0	0
02	Start delay time	0	0	0	0	0
03	Min. detect level	10 (- 20 dBm)	15 (- 25 dBm)	15 (- 25 dBm)	10 (- 20 dBm)	10 (- 20 dBm)
04	Max. detect level	2 (- 2 dBm)				
05	Forward twist level	5 (6 dBm)				
06	Backward twist level	0 (1 dBm)				
07	ON detect time	1 (30 ms)				
08	OFF detect time	1 (30 ms)				
09	Area Type	0	0	0	0	0

Conditions

None

Feature Cross Reference

Description

Use **Program 80-04 : Call Progress Tone Detector Setup** to define the various levels and timers for the Call Progress Tone Detector.

Tone Detector Type :

- 1 = Dial Tone for Trunk
- 2 = Busy Tone for Trunk
- 3 = Ring Back Tone for Trunk
- 4 = Special Busy Tone for Trunk
- 5 = Special Ring Back Tone for Trunk

Input Data

Tone Detector Type Number	 1 = Dial Tone for Trunk 2 = Busy Tone for Trunk 3 = Ring Back Tone for Trunk 4 = Special Busy Tone for Trunk 5 = Special Ring Back Tone for Trunk
---------------------------	---

ltem No.	Item	Input Data	Default
01	Detection Level	0 = 0 dBm ~ - 25 dBm 1 = - 5 dBm ~ - 30 dBm 2 = - 10 dBm ~ - 35 dBm 3 = - 15 dBm ~ - 40 dBm 4 = - 20 dBm ~ - 45 dBm 5 = - 25 dBm ~ - 50 dBm 6 = - 30 dBm ~ - 55 dBm	Refer below
02	Min. Detection Level	$0 \sim 15$ $0 = -10 \text{ dBm } (0) \sim -25 \text{ dBm } (15)$ $1 = -15 \text{ dBm } (0) \sim -30 \text{ dBm } (15)$ $2 = -20 \text{ dBm } (0) \sim -35 \text{ dBm } (15)$ $3 = -25 \text{ dBm } (0) \sim -40 \text{ dBm } (15)$ $4 = -30 \text{ dBm } (0) \sim -45 \text{ dBm } (15)$ $5 = -35 \text{ dBm } (0) \sim -50 \text{ dBm } (15)$ $6 = -40 \text{ dBm } (0) \sim -55 \text{ dBm } (15)$	Refer below
03	S/N Ratio	0 ~ 4 (0 dB ~ - 20 dB)	Refer below
04	No Tone Time	$0 \sim 255 (30 + 30 \sim 7680 \text{ ms})$ (0 = not detect) $1 \sim 255 = 60 \sim 7680 \text{ ms}$ The formula is 30 + 30N When set to N = 1, it means 30 + 30 * 1 = 60. When set to N = 255, it means 30 + 30 * 255 = 7680.	Refer below
05	Pulse Count	1 ~ 255	Refer below
06	ON Minimum Time	1 ~ 255 (30 + 30 ~ 7680 ms)	Refer below
07	ON Maximum Time	0 ~ 255 (30 + 30 ~ 7680 ms)	Refer below

Program

ltem No.	Item	Input Data	Default
08	OFF Minimum Time	1 ~ 255 (30 + 30 ~ 7680 ms)	Refer below
09	OFF Maximum Time	0 ~ 255 (30 + 30 ~ 7680 ms)	Refer below
12	Frequency No. 1	1 ~ 8 (Frequency Table No. set by 80-07)	Refer below
13	Frequency No. 2	0 ~ 8 (0 = Not Used) (Frequency Table No. set by 80-07)	Refer below
14	Twist Level	0 ~ 10 (1 dB ~ 10 dB) (0 = Not Used)	Refer below

Program

80

Default

Item	Name	Type 1 (DT)	Type 2 (BT)	Type 3 (RBT)	Type 4	Type 5
1	Detect Level	0 (- 25 dBm)	0 (- 25 dBm)	0 (- 25 dBm)	0	0
2	Min. detect level	15 (- 25 dBm)	15 (- 25 dBm)	15 (- 25 dBm)	0	0
3	S/N ratio	4 (- 20 dB)	4 (- 20 dB)	4 (- 20 dB)	0	0
4	No tone time	132 (3990 ms)	132 (3990 ms)	132 (3990 ms)	0	0
5	Pulse Count	1	1	1	0	0
6	ON min. time	9 (300 ms)	12 (390 ms)	25 (780 ms)	0	0
7	ON max. time	0	20 (630 ms)	40 (1230 ms)	0	0
8	OFF min. time	1 (60 ms)	12 (390 ms)	83 (2520 ms)	0	0
9	OFF max. time	1 (60 ms)	20 (630 ms)	115 (3480 ms)	0	0
12	Frequency No 1	1	3	2	1	1
13	Frequency No 2	2	4	3	0	0
14	Twist Level	0	0	0	0	0

Conditions

None

Feature Cross Reference

Description

Use **Program 80-05 : Date Format for SMDR and System** to define the date format when printing out the SMDR, alarm report, and system information report.

Input Data

ltem No.	Item	Input Data	Default
01	Date Format	0 = American Format (Month / Day / Year) 1 = Japanese Format (Year / Month / Day) 2 = European Format (Day / Month / Year)	0

Conditions

None

Feature Cross Reference

Program 80 : Basic Hardware Setup for System 80-07 : Call Progress Tone Detector Frequency Setup

Use Program 80-07 : Call Progress Tone Detector Frequency Setup to set the frequency of the

detection tone set with Program 80-04-12 and Program 80-04-13.

Level: <u>MF</u>

Description

Program

80

Input Data

	Frequency Table Number		1~8
ltem No.	Item	Input Data	Default
01	Frequency	0, 10 ~ 255 (100 ~ 2550 Hz) (0 = Not used)	Frequency Table No. 1= 35 (350 Hz)Frequency Table No. 2= 44 (440 Hz)Frequency Table No. 3= 48 (480 Hz)Frequency Table No. 4= 62 (620 Hz)Frequency Table No. 5= 0Frequency Table No. 6= 0Frequency Table No. 7= 0Frequency Table No. 8= 0

Conditions

None

Feature Cross Reference

Program 80 : Basic Hardware Setup for System 80-08 : MFC Tone Setup

Level: IN

Description

Use **Program 80-08 : MFC Tone Setup** to define the duration (On time) and pause (Off time) for MFC dialing. This option affects all trunk line calls system wide. And also it is possible to adjust the level of tone.

Input Data

ltem No.	Item	Input Data	Default
01	Duration (On time)	1 ~ 255 (20 ms ~ 5100 ms)	5 (100 ms)
02	Pause (Off time)	1 ~ 255 (20 ms ~ 5100 ms)	5 (100 ms)
03	Tone Level	1 ~ 97 (- 45 dB ~ + 3 dB)	77 (- 7 dB)



Conditions

None

Feature Cross Reference

Program 80 : Basic Hardware Setup for System 80-09 : Short Ring Setup

Level: <u>IN</u>

Description

Program

80

Input Data

Short Ring Number	01 ~ 32
-------------------	---------

ltem No.	Item	Input Data	Description	Default
01	Frequency 1	00 = No setting, 01 ~ 15	Refer to Table 2-14 Frequency 1/2 Table on page 2-462.	Refer below
02	Frequency 2	00 = No setting, 01 ~ 15	Refer to Table 2-14 Frequency 1/2 Table on page 2-462.	Refer below
03	Ring Cycle	00 = No setting, 01 ~ 14	Refer to Table 2-15 Ring Cycle Table on page 2-463.	Refer below

Use Program 80-09 : Short Ring Setup to define the short ring tone for SL1100 multiline terminals.

When a single tone is sent, Frequency 1/2 is set to the same value.

Table 2-14 Frequency 1/2 Table

Data	Frequency (Hz)
01	392
02	440
03	494
04	523
05	587
06	659
07	698
08	784
09	880
10	988
11	1046
12	1175
13	1318
14	1397
15	1568

Table 2-15 Ring Cycle Table

Data	Ring Cycle (ms)
01	125 (On) / Off
02	125 (On) / 125 (Off) / 125 (On) / Off
03	125 (On) / 125 (Off) / 125 (On) / 125 (Off) / 125 (On) / Off
04	125 (On) / 125 (Off) / 125 (On) / 125 (Off) / 125 (On) / 125 (Off) / 125 (On) / Off
05	250 (On) / Off
06	250 (On) / 250 (Off) / 250 (On) / Off
07	250 (On) / 250 (Off) / 250 (On) / 250 (Off) / 250 (On) / Off
08	250 (On) / 250 (Off) / 250 (On) / 250 (Off) / 250 (On) / 250 (Off) / 250 (On) / Off
09	325 (On) / Off
10	325 (On) / 325 (Off) / 325 (On) / Off
11	325 (On) / 325 (Off) / 325 (On) / 325 (Off) / 325 (On) / Off
12	500 (On) / Off
13	500 (On) / 500 (Off) / 500 (On) / Off
14	1000 (On) / Off

Table 2-16 Default Table

Short Ring No.	Short Tone Name	Frequency 1	Frequency 2	Ring Cycle
1	Confirmation Tone	8	8	1
2	Error Tone	8	8	14
3	Alarm Tone for long conversation call	4	4	14
4	Not defined	0	0	0
:	:	:	:	:
32	Not defined	0	0	0

Conditions

None

Feature Cross Reference

None

Program 80 : Basic Hardware Setup for System 80-10 : MF Tone Receiver Setup

Level: MF

Description

Program

Use Program 80-10 : MF Tone Receiver Setup to define the various level and time for MF Tone Receiver.

Input Data



MF Tone Receiver Type Number	1 = MF Receiver for Extension 2 = MF Receiver for Trunk 3 = Reserve
	4 = Reserve
	5 = Reserve

ltem No.	ltem	Input Data	Default
01	Detect Level	0 = 0 dBm ~ - 25 dBm 1 = - 5 dBm ~ - 30 dBm 2 = - 10 dBm ~ - 35 dBm 3 = - 15 dBm ~ - 40 dBm 4 = - 20 dBm ~ - 45 dBm 5 = - 25 dBm ~ - 50 dBm 6 = - 30 dBm ~ - 55 dBm	Refer below
02	Start delay time	0 ~ 255 (0.25 step, 0 ms ~ 64 ms)	Refer below
03	Min. detect level	$0 \sim 15$ detect level 0 = - 10 dBm (0) ~ - 25 dBm (15) detect level 1 = - 15 dBm (0) ~ - 30 dBm (15) detect level 2 = - 20 dBm (0) ~ - 35 dBm (15) detect level 3 = - 25 dBm (0) ~ - 40 dBm (15) detect level 4 = - 30 dBm (0) ~ - 45 dBm (15) detect level 5 = - 35 dBm (0) ~ - 50 dBm (15) detect level 6 = - 40 dBm (0) ~ - 55 dBm (15)	Refer below
04	Max. detect level	$0 \sim 15$ detect level $0 = 0 \text{ dBm } (0) \sim -15 \text{ dBm } (15)$ detect level $1 = -5 \text{ dBm } (0) \sim -20 \text{ dBm } (15)$ detect level $2 = -10 \text{ dBm } (0) \sim -25 \text{ dBm } (15)$ detect level $3 = -15 \text{ dBm } (0) \sim -30 \text{ dBm } (15)$ detect level $4 = -20 \text{ dBm } (0) \sim -35 \text{ dBm } (15)$ detect level $5 = -25 \text{ dBm } (0) \sim -40 \text{ dBm } (15)$ detect level $6 = -30 \text{ dBm } (0) \sim -45 \text{ dBm } (15)$	Refer below
05	twist level	0 ~ 9 (1 dB ~ 10 dB)	Refer below
06	S/N ratio	0 ~ 4 (- 5 step, 0 dB ~ - 20 dB)	Refer below
07	ON detect time	1 ~ 255 (15 step, 30 ms ~ 3840 ms)	Refer below
08	OFF detect time	1 ~ 255 (15 step, 30 ms ~ 3840 ms)	Refer below

Default

ltem No.	Item Name	Туре 1	Type 2	Туре 3	Type 4	Type 5
01	Detect Level	0	0	0	0	0
02	Start delay time	0	0	0	0	0
03	Min. detect level	10 (- 20 dBm)				
04	Max. detect level	2 (- 2 dBm)				
05	twist level	5 (6 dBm)	5 (6 dBm)	5 (6 dBm)	5 (6 dBm)	5 (6 dBm)
06	S/N ratio	2 (- 10 dBm)				
07	ON detect time	1 (30 ms)				
08	OFF detect time	1 (30 ms)				

Conditions

None

Feature Cross Reference

None

Program 80 : Basic Hardware Setup for System 80-12 : Caller ID Receiver Setup

Level: IN

Description

Program

80

Use **Program 80-12 : Caller ID Receiver Setup** defines the type and level for Caller ID detection of DSP.

Input Data

ltem No.	ltem	Input Data	Default
01	Туре	0 = NTT 1 = Other 2 = Korea	1
02	Level (Mark)	0 ~ 32766	50
03	Level (Space)	0 ~ 32766	50
04	Bit Sampling Type	0 = Other 1 = Malaysia	0
05	1st Bit Offset	0 ~ 32766	10
06	Minimum Seizure Count	0 ~ 32766	10
07	Guard Time when Mark	0 ~ 32766	1
08	CAS detect time (V4.0 Added)	0 = 20 ms 1 = 25 ms 2 = 30 ms 3 = 35 ms 4 = 40 ms 5 = 45 ms 6 = 50 ms 7 = 55 ms 8 = 60 ms 9 = 65 ms 10 = 70 ms 11 = 75 ms 12 = 80 ms	0 = 20 ms

Conditions

None

Feature Cross Reference

Program 81 : Basic Hardware Setup for Trunk 81-01 : CO Initial Data Setup

Level: IN

Description

Use **Program 81-01 : CO Initial Data Setup** to define the various basic data parameters for the COIU.

Input Data

ltem No.	Item	Input Data	Default
01	PCM Encoding Method Specifica- tion	0 = μ-law 1 = A-law	0 (µ-law)
02	Loop Current Detection Time	1 ~ 255 (10 ~ 2550 ms)	60 (600 ms)
03	Clear Signal (Open Loop) Detec- tion Time	1 ~ 255 (5 ~ 1275 ms)	61 (305 ms)
04	Ringing Signal Detection Minimum Time	1 ~ 255 (10 ~ 2550 ms)	10 (100 ms)
05	Single Ringing Detection Minimum Time	0 ~ 255 (0, 10 ~ 2550 ms)	66 (660 ms)
06	Double Ringing Detection Mini- mum Off Time	0 ~ 255 (0, 10 ~ 2550 ms)	10 (100 ms)
07	Double Ringing Detection Maxi- mum Off Time	0 ~ 255 (0, 10 ~ 2550 ms)	40 (400 ms)
08	Ringing Signal not Detection Mini- mum	1 ~ 255 (10 ~ 2550 ms)	70 (700 ms)
09	Time Ringing Signal Stop Detec- tion Time	1 ~ 255 (100 ~ 25500 ms)	60 (6000 ms)
10	Continuous Ringing Minimum Time	0 ~ 255 (0, 10 ~ 2550 ms)	30 (300 ms)
11	Continuous Ringing Maximum Time	0 ~ 255 (0, 10 ~ 2550 ms)	70 (700 ms)
14	Hook Flash 1 Time	1 ~ 255 (10 ~ 2550 ms)	80 (800 ms)
15	Hook Flash 2 Time	1 ~ 255 (100 ~ 25500 ms)	25 (2500 ms)
16	Pause Time	1 ~ 255 (100 ~ 25500 ms)	10 (1000 ms)
17	PFT Idle Detection Time	1 ~ 255 (100 ~ 25500 ms)	30 (3000 ms)
20	Loop Reverse Detect Minimum Time	1 ~ 255 (10 ~ 2550 ms)	10 (100 ms)
21	Loop Reverse Detect Maximum Time	1 ~ 255 (10 ~ 2550 ms)	86 (860 ms)
22	Loop Disconnect Detect Minimum Time	1 ~ 255 (10 ~ 2550 ms)	40 (400 ms)

Program

ltem No.	ltem	Input Data	Default
23	Loop Disconnect Detect Maximum Time	1 ~ 255 (10 ~ 2550 ms)	64 (640 ms)
27	Dial Pulse Break Time (10pps)	1 ~ 255 (5 ~ 1275 ms)	12 (60 ms)
28	Dial Pulse Make Time (10pps)	1 ~ 255 (5 ~ 1275 ms)	8 (40 ms)
29	DP Inter-digit Time (10pps)	1 ~ 255 (10 ~ 2550 ms)	80 (800 ms)
36	Long Ringing Detection Minimum Time	1 ~ 255 (100 ~ 25500 ms)	24 (2400 ms)

Program

81

Conditions

None

Feature Cross Reference

Program 81 : Basic Hardware Setup for Trunk 81-05 : ISDN PRI Layer 2 (T-Point) Initial Data Setup

Level: MF

Description

Use **Program 81-05 : ISDN PRI Layer 2 (T-Point) Initial Data Setup** to define the various basic data for layer 2 of ISDN PRI.

Input Data

ltem No.	ltem	Input Data	Description	Default
01	Timer T200	1 ~ 255 (100 ~ 25500 ms)	Specify the timer value in 1/100ths of a second at the end of which transmission of a frame may be initiated.	10 (1 sec)
02	Timer T201	1 ~ 255 (100 ~ 25500 ms)	Specify the minimum time in 1/100ths of a second between retransmissions of the TEI Identity check messages.	10 (1 sec)
03	Timer T202	1 ~ 255 (100 ~ 25500 ms)	Specify the minimum time in 1/100ths of a second between retransmissions of the TEI Identity check messages.	20 (2 sec)
04	Timer T203	1 ~ 255 (100 ~ 25500 ms)	Specify the maximum time in 1/100ths of a second allowed without exchanging frames.	250 (25 sec)
05	N200	1 ~ 255	Specify the retransmission count.	3
06	N201	1 ~ 65535 (Byte)	Specify the frame lengths in ocelots.	260
07	N202	1 ~ 255	Specify the maximum number of transmis- sions from a TEI identity request message when the user requests a TEI.	3

Conditions

None

Feature Cross Reference

None

Program

Program 81 : Basic Hardware Setup for Trunk 81-06 : ISDN PRI Layer 3 (T-Point) Timer Setup

Use Program 81-06 : ISDN PRI Layer 3 (T-Point) Timer Setup to define the various basic timers for

Level: IN

Description

layer 3 of ISDN PRI (defined in Program 10-03-04).

Program

81

Input Data

Layer 3 Timer Type Number			1~5			
ltem No.	ltem	Input Data		Description	Default	
01	T301	0, 180 ~ 254 seconds	Spe sec ALE	ecifies the timer value in 1/100ths of a ond of the timer to be started when the ERT message is received.	180	
02	Т302	1 ~ 254 seconds	~ 254 seconds Specifies the timer value in 1/100ths of a second of the timer to be started when the SETUP ACK is sent. Timer is also restarted when INFO is received.		15	
03	Т303	1 ~ 254 seconds	seconds Specifies the timer value in 1/100ths of a second of the timer to be started when SETUP is sent.		4	
04	Т304	0 ~ 254 seconds	As Specifies the timer value in 1/100ths of a second of the timer to be started when the SETUP ACK is received. Timer is also re- started when INFO is received.		30	
05	T305	1 ~ 254 seconds	Specifies the timer value in 1/100ths of a second of the timer to be started when DISC without progress No. 8 is sent.		30	
06	Т306	0 ~ 254 seconds	~ 254 seconds Specifies the timer value in 1/100ths of a second of the timer to be started when DISC with progress indicator No. 8 is sent. This timer is valid for Network side use only.		30	
07	Т307	1 ~ 254 seconds	Spe sec SUS only	ecifies the timer value in 1/100ths of a ond of the timer to be started when SPEND ACK is sent. This timer is valid v for Network side use only.	180	
08	T308	1 ~ 254 seconds	Specifies the timer value in 1/100ths of a 4 second of the timer to be started when REL is sent.		4	
09	Т309	1 ~ 254 seconds	Spe sec	cifies the timer value in 1/100ths of a ond upon data link disconnection.	90	
10	T310	0 ~ 180 seconds	Spe sec CAI	cifies the timer value in 1/100ths of a ond of the timer to be started when LL PROC is sent.	180	

ltem No.	ltem	Input Data	Description	Default
11	T312	1 ~ 254 seconds	Specifies the timer value in 1/100ths of a second of the timer to be started when SETUP is sent or re-sent on broadcast data link. This timer is only valid for Network side use only.	6
12	T313	1 ~ 254 seconds	Specifies the timer value in 1/100ths of a second of the timer to be started when connection request is sent. Valid range 1 ~ 4 seconds in 1 second increments. Value of 0 indicates timer not used.	4
13	T314	1 ~ 254 seconds	Specifies the timer value in 1/100ths of a second of the timer to be started when message segment is received.	4
14	T316	(T317 + 1) ~ 254 sec- onds	Specifies the timer value in 1/100ths of a second of the timer to be started when RE-START is sent.	120
15	T317	1 ~ (T316-1)	Specifies the timer value in 1/100ths of a second of the timer to be started when RE-START is received.	60
16	T318	1 ~ 254 seconds	Specifies the timer value in 1/100ths of a second of the timer to be started when RES is sent. This timer is valid for user side use only.	4
17	T319	1 ~ 254 seconds	Specifies the timer value in 1/100ths of a second of the timer to be started when SUSPEND is sent. This timer is valid for user side use only.	4
18	T320	1 ~ 254 seconds	Specifies the timer value in 1/100ths of a second when B-channel access: connection is received or D-channel access: DL-ESTABLISH confirmation or indication is received.	30
19	T321	1 ~ 254 seconds	Specifies the timer value in 1/100ths of a second of the timer to be started when STATUS ENQ is received.	30
20	T322	1 ~ 254 seconds	Specifies the timer value in 1/100ths of a second upon D-channel failure.	4

Conditions

None

Feature Cross Reference

• ISDN Compatibility

Program 81 : Basic Hardware Setup for Trunk 81-07 : CODEC Filter Setup for Analog Trunk Port

Level:

Description

Filter for each analog trunk port.

Program

81

Input Data

	Trunk Port Nu	mber	001 ~ 084
ltem No.	Item	Input Data	a Default
01	CODEC Filter Type	0 = Type 0 1 = Type 1 2 = Type 2 3 = Type 3 4 = Type 4 5 = Type 5 6 = Type 6 7 = Type 7 8 = Type 8 9 = Type 9 10 = Type 10 11 = Type 11 12 = Type 12 13 = Type 13 14 = Type 15	2

Use Program 81-07 : CODEC Filter Setup for Analog Trunk Port to define the CODEC (QSLAC)

Conditions

None

Feature Cross Reference

Program 81 : Basic Hardware Setup for Trunk 81-08 : T1 Trunk Timer Setup

Level: IN

Description

Use **Program 81-08 : T1 Trunk Timer Setup** to define the basic timer setting of each T1 Trunk type.

Input Data

ltem No.	Item	Input Data	Default
01	Answer Signal Detection Time (Loop)	1 ~ 250 (4 ms ~ 1000 ms)	15 (60 ms)
02	Answer Signal Detection Time (Ground)	1 ~ 250 (4 ms ~ 1000 ms)	15 (60 ms)
03	Answer Signal Detection Time (DID)	1 ~ 250 (4 ms ~ 1000 ms)	15 (60 ms)
04	Answer Signal Detection Time (E&M)	1 ~ 250 (4 ms ~ 1000 ms)	15 (60 ms)
05	Answer Signal Detection Time (OPX)	1 ~ 250 (4 ms ~ 1000 ms)	15 (60 ms)
06	Clear Signal Detection Time (Loop)	1 ~ 255 (100 ms ~ 25500 ms)	6 (600 ms)
07	Clear Signal Detection Time (Ground)	1 ~ 255 (100 ms ~ 25500 ms)	6 (600 ms)
08	Clear Signal Detection Time (DID)	1 ~ 255 (100 ms ~ 25500 ms)	6 (600 ms)
09	Answer Signal Detection Time (E&M)	1 ~ 255 (100 ms ~ 25500 ms)	6 (600 ms)
10	Clear Signal Detection Time (OPX)	1 ~ 255 (100 ms ~ 25500 ms)	6 (600 ms)
11	Ringing Signal Detection Time (Loop)	1 ~ 250 (8 ms ~ 2000 ms)	10 (80 ms)
12	Ringing Signal Detection Time (Ground)	1 ~ 250 (8 ms ~ 2000 ms)	10 (80 ms)
13	Ringing Signal Detection Time (DID)	1 ~ 250 (8 ms ~ 2000 ms)	10 (80 ms)
14	Ringing Signal Detection Time (E&M)	1 ~ 250 (8 ms ~ 2000 ms)	10 (80 ms)
15	Ringing Signal Detection Time (OPX)	1 ~ 250 (8 ms ~ 2000 ms)	10 (80 ms)
16	Ringing Signal Stop Detection Time (Loop)	1 ~ 255 (100 ms ~ 25500 ms)	50 (5000 ms)
17	Ringing Signal Stop Detection Time (Ground)	1 ~ 255 (100 ms ~ 25500 ms)	50 (5000 ms)
18	Ringing Signal Stop Detection Time (DID)	1 ~ 255 (100 ms ~ 25500 ms)	50 (5000 ms)
19	Ringing Signal Stop Detection Time (E&M)	1 ~ 255 (100 ms ~ 25500 ms)	50 (5000 ms)

Program

Program

ltem No.	ltem	Input Data	Default
20	Ringing Signal Stop Detection Time (OPX)	1 ~ 255 (100 ms ~ 25500 ms)	50 (5000 ms)
21	Loop Current Detection Time (Loop)	1 ~ 250 (4 ms ~ 1000 ms)	40 (160 ms)
22	Loop Current Detection Time (Ground)	1 ~ 250 (4 ms ~ 1000 ms)	40 (160 ms)
23	Loop Current Detection Time (DID)	1 ~ 250 (4 ms ~ 1000 ms)	40 (160 ms)
24	Loop Current Detection Time (E&M)	1 ~ 250 (4 ms ~ 1000 ms)	40 (160 ms)
25	Loop Current Detection Time (OPX)	1 ~ 250 (4 ms ~ 1000 ms)	40 (160 ms)
26	DP Break Send Time (ALL)	1 ~ 250 (4 ms ~ 1000 ms)	15 (60 ms)
27	DP Make Send Time (ALL)	1 ~ 250 (4 ms ~ 1000 ms)	10 (40 ms)
28	DP InterDigit Send Time (ALL)	1 ~ 255 (100 ms ~ 25500 ms)	7 (700 ms)
29	HookFlash Send Time (Loop)	1 ~ 255 (100 ms ~ 25500 ms)	5 (500 ms)
30	HookFlash Send Time (Ground)	1 ~ 255 (100 ms ~ 25500 ms)	5 (500 ms)
31	HookFlash Send Time (DID)	1 ~ 255 (100 ms ~ 25500 ms)	5 (500 ms)
32	HookFlash Send Time (E&M)	1 ~ 255 (100 ms ~ 25500 ms)	5 (500 ms)
33	HookFlash Send Time (OPX)	1 ~ 255 (100 ms ~ 25500 ms)	5 (500 ms)
34	Pause Send Time (ALL)	1 ~ 255 (1 sec ~ 255 sec)	3 (3 sec)
35	Wink Send Duration Time (DID)	1 ~ 250 (8 ms ~ 2000 ms)	25 (200 ms)
36	Delay Send Duration Time (DID)	1 ~ 250 (8 ms ~ 2000 ms)	25 (200 ms)
37	Incoming-Wink Send Time (DID)	1 ~ 255 (100 ms ~ 25500 ms)	3 (300 ms)
38	Wink Send Duration Time (E&M)	1 ~ 250 (8 ms ~ 2000 ms)	25 (200 ms)
39	Delay Send Duration Time (E&M)	1 ~ 250 (8 ms ~ 2000 ms)	25 (200 ms)
40	Incoming-Wink Send Time (E&M)	1 ~ 255 (100 ms ~ 25500 ms)	3 (300 ms)
41	Seizure-WINK/DELAY Receive Max. Time (DID)	1 ~ 255 (100 ms ~ 25500 ms)	48 (4800 ms)
42	Receive Wink Duration Min. Time (DID)	1 ~ 250 (8 ms ~ 2000 ms)	12 (96 ms)
43	Receive Wink Duration Max. Time (DID)	1 ~ 250 (8 ms ~ 2000 ms)	45 (360 ms)
44	Seizure-WINK/DELAY Receive Max. Time (E&M)	1 ~ 255 (100 ms ~ 25500 ms)	48 (4800 ms)
45	Receive Wink Duration Min. Time (E&M)	1 ~ 250 (8 ms ~ 2000 ms)	12 (96 ms)
46	Receive Wink Duration Max. Time (E&M)	1 ~ 250 (8 ms ~ 2000 ms)	45 (360 ms)
47	Receive DP Make Min. Time (ALL)	1 ~ 250 (4 ms ~ 1000 ms)	3 (12 ms)
48	Receive DP Make Max. Time (ALL)	1 ~ 250 (4 ms ~ 1000 ms)	19 (76 ms)
49	Receive DP Break Min. Time (ALL)	1 ~ 250 (4 ms ~ 1000 ms)	3 (12 ms)
50	Receive DP Break Max. Time (ALL)	1 ~ 250 (4 ms ~ 1000 ms)	25 (100 ms)
51	Receive DP InterDigit Min. Time (ALL)	1 ~ 250 (4 ms ~ 1000 ms)	125 (500 ms)
52	Receive HookFlash Duration Min. Time (E&M)	1 ~ 255 (100 ms ~ 25500 ms)	3 (300 ms)
53	Receive HookFlash Duration Max. Time (E&M)	1 ~ 255 (100 ms ~ 25500 ms)	6 (600 ms)

ltem No.	ltem	Input Data	Default
54	Receive HookFlash Duration Min. Time (OPX)	1 ~ 255 (100 ms ~ 25500 ms)	3 (300 ms)
55	Receive HookFlash Duration Max. Time (OPX)	1 ~ 255 (100 ms ~ 25500 ms)	6 (600 ms)
56	Loop Off Guard Time (Loop)	1 ~ 255 (100 ms ~ 25500 ms)	20 (2000 ms)
57	Loop Off Guard Time (Ground)	1 ~ 255 (100 ms ~ 25500 ms)	20 (2000 ms)
58	Loop Off Guard Time (DID)	1 ~ 255 (100 ms ~ 25500 ms)	20 (2000 ms)
59	Loop Off Guard Time (E&M)	1 ~ 255 (100 ms ~ 25500 ms)	20 (2000 ms)
60	Loop Off Guard Time (OPX)	1 ~ 255 (100 ms ~ 25500 ms)	20 (2000 ms)
61	Double Ringing Send Time 1 (OPX)	1 ~ 255 (100 ms ~ 25500 ms)	5 (500 ms)
62	Double Between Ringing Send Time 1 (OPX)	1 ~ 255 (100 ms ~ 25500 ms)	5 (500 ms)
63	Double Ringing Send Time 2 (OPX)	1 ~ 255 (100 ms ~ 25500 ms)	25 (2500 ms)
64	Double Between Ringing Send Time 2 (OPX)	1 ~ 255 (100 ms ~ 25500 ms)	30 (3000 ms)
65	Single Ringing Send Time (OPX)	1 ~ 255 (100 ms ~ 25500 ms)	10 (1000 ms)
66	Single Between Ringing Send Time (OPX)	1 ~ 255 (100 ms ~ 25500 ms)	9 (900 ms)
67	Guard Time 1 (LOOP)	1 ~ 255 (100 ms ~ 25500 ms)	9 (900 ms)
68	Guard Time 1 (GROUND)	1 ~ 255 (100 ms ~ 25500 ms)	9 (900 ms)
69	Guard Time 1 (DID)	1 ~ 255 (100 ms ~ 25500 ms)	9 (900 ms)
70	Guard Time 1 (E&M)	1 ~ 255 (100 ms ~ 25500 ms)	9 (900 ms)
71	Guard Time 1 (OPX)	1 ~ 255 (100 ms ~ 25500 ms)	9 (900 ms)
72	Guard Time 2 (ALL)	1 ~ 250 (4 ms ~ 1000 ms)	3 (12 ms)
73	Dial Sending Complete Time	1 ~ 255 (100 ms ~ 25500 ms)	20 (2000 ms)
74	ON-HOOK bit Send Time	1 ~ 255 (100 ms ~ 25500 ms)	40 (4000 ms)
75	Open Loop Time (LOOP)	1 ~ 255 (100 ms ~ 25500 ms)	6 (600 ms)
76	Open Loop Time (GROUND)	1 ~ 255 (100 ms ~ 25500 ms)	6 (600 ms)
77	Open Loop Time (DID)	1 ~ 255 (100 ms ~ 25500 ms)	6 (600 ms)
78	Open Loop Time (E&M)	1 ~ 255 (100 ms ~ 25500 ms)	6 (600 ms)
79	Open Loop Time (OPX)	1 ~ 255 (100 ms ~ 25500 ms)	6 (600 ms)
80	Close Loop Time (LOOP)	1 ~ 250 (4 ms ~ 1000 ms)	13 (52 ms)
81	Close Loop Time (DID)	1 ~ 250 (4 ms ~ 1000 ms)	13 (52 ms)
82	Ring GND Time (GROUND)	1 ~ 250 (4 ms ~ 1000 ms)	13 (52 ms)

Conditions

None

Feature Cross Reference

None

Program 81 : Basic Hardware Setup for Trunk 81-09 : COT CODEC (QSLAC) Filter Setting

Use Program 81-09 : COT CODEC (QSLAC) Filter Setting to define the filter setting data (when

Level: IN

Description

Program 81-07 is set to 4).

Program

81 Input Data

ltem No.	Item	Input Data	Default
01	B1 Filter Setup (1)	0~255	43
02	B1 Filter Setup (2)	0 ~ 255	102
03	B1 Filter Setup (3)	0 ~ 255	228
04	B1 Filter Setup (4)	0 ~ 255	58
05	B1 Filter Setup (5)	0 ~ 255	75
06	B1 Filter Setup (6)	0 ~ 255	189
07	B1 Filter Setup (7)	0 ~ 255	58
08	B1 Filter Setup (8)	0 ~ 255	194
09	B1 Filter Setup (9)	0 ~ 255	45
10	B1 Filter Setup (10)	0 ~ 255	194
11	B1 Filter Setup (11)	0 ~ 255	219
12	B1 Filter Setup (12)	0 ~ 255	45
13	B1 Filter Setup (13)	0 ~ 255	178
14	B1 Filter Setup (14)	0 ~ 255	208
15	B2 Filter Setup (1)	0 ~ 255	178
16	B2 Filter Setup (2)	0 ~ 255	208
17	AISN and Analog Gains	0 ~ 255	17
18	Z Filter Coefficients (1)	0 ~ 255	250
19	Z Filter Coefficients (2)	0 ~ 255	173
20	Z Filter Coefficients (3)	0 ~ 255	50
21	Z Filter Coefficients (4)	0 ~ 255	165
22	Z Filter Coefficients (5)	0 ~ 255	59
23	Z Filter Coefficients (6)	0 ~ 255	70
24	Z Filter Coefficients (7)	0 ~ 255	106
25	Z Filter Coefficients (8)	0 ~ 255	175
26	Z Filter Coefficients (9)	0~255	163
27	Z Filter Coefficients (10)	0 ~ 255	79
28	Z Filter Coefficients (11)	0 ~ 255	179
29	Z Filter Coefficients (12)	0 ~ 255	83

ltem No.	Item	Input Data	Default
30	Z Filter Coefficients (13)	0~255	84
31	Z Filter Coefficients (14)	0 ~ 255	31
32	Z Filter Coefficients (15)	0~255	1
33	R Filter Coefficients (1)	0 ~ 255	170
34	R Filter Coefficients (2)	0 ~ 255	192
35	R Filter Coefficients (3)	0 ~ 255	187
36	R Filter Coefficients (4)	0 ~ 255	32
37	R Filter Coefficients (5)	0 ~ 255	203
38	R Filter Coefficients (6)	0 ~ 255	42
39	R Filter Coefficients (7)	0 ~ 255	171
40	R Filter Coefficients (8)	0 ~ 255	165
41	R Filter Coefficients (9)	0 ~ 255	42
42	R Filter Coefficients (10)	0 ~ 255	35
43	R Filter Coefficients (11)	0 ~ 255	67
44	R Filter Coefficients (12)	0 ~ 255	91
45	R Filter Coefficients (13)	0 ~ 255	43
46	R Filter Coefficients (14)	0 ~ 255	37
47	X Filter Coefficients (1)	0 ~ 255	202
48	X Filter Coefficients (2)	0 ~ 255	48
49	X Filter Coefficients (3)	0 ~ 255	37
50	X Filter Coefficients (4)	0~255	187
51	X Filter Coefficients (5)	0 ~ 255	170
52	X Filter Coefficients (6)	0 ~ 255	189
53	X Filter Coefficients (7)	0 ~ 255	162
54	X Filter Coefficients (8)	0 ~ 255	163
55	X Filter Coefficients (9)	0 ~ 255	165
56	X Filter Coefficients (10)	0 ~ 255	204
57	X Filter Coefficients (11)	0 ~ 255	164
58	X Filter Coefficients (12)	0 ~ 255	165
59	GR Filter Coefficients (1)	0 ~ 255	202
60	GR Filter Coefficients (2)	0 ~ 255	160
61	GX Filter Coefficients (1)	0 ~ 255	58
62	GX Filter Coefficients (2)	0 ~ 255	178

Conditions

• This is used if Program 81-07 is set to 4 (Specified data).

Feature Cross Reference

None

Program

82-01 : Incoming Ring Tone

Level: **MF**

Program Description

82

Use **Program 82-01 : Incoming Ring Tone** to set the incoming ring tones, which are the tones a user hears when a call rings an extension. These tones are grouped into four ring tone *Ranges* (1 ~ 4), also called patterns, that consist of a combination of frequencies. (You assign a specific *Range* to trunks in Program 22-03 and to extensions in Program 15-02.) Within each range there are three frequency *Types* : High, Middle and Low. (Service Code 720 allows users to choose the *Type* for their incoming calls.) Each *Type* in turn consists of two frequencies and the modulation played simultaneously to make up the tone. These frequencies are determined by their Frequency Number selected in Items 1 and 2 (see below). In this program, you assign the two *Frequency Numbers* and *Modulation* for each Type, for each of the four *Ranges*. The chart below shows the default *Frequency Numbers* for each *Type* in each *Range*.

Input Data

Incoming Ringing Tone Number	1 = Pattern 1 (Trunk Incoming) 2 = Pattern 2 (Trunk Incoming) 3 = Pattern 3 (Trunk Incoming) 4 = Pattern 4 (Trunk Incoming) 5 = Intercom Incoming Pattern 6 = Alarm Sensor Tone Pattern 7 = Pattern 5 (Trunk Incoming) (V3.0 Added) 8 = Pattern 6 (Trunk Incoming) (V3.0 Added) 9 = Pattern 7 (Trunk Incoming) (V3.0 Added) 10 = Pattern 8 (Trunk Incoming) (V3.0 Added)

Ringing Tone Type Number	1 = High 2 = Mid 3 = Low
--------------------------	--------------------------------

ltem No.	Item	Input Data	Default
01	Frequency 1	1 = 520 Hz 2 = 540 Hz 3 = 660 Hz 4 = 760 Hz 5 = 1100 Hz 6 = 1400 Hz 7 = 2000 Hz	Refer below
02	Frequency 2	1 = 520 Hz 2 = 540 Hz 3 = 660 Hz 4 = 760 Hz 5 = 1100 Hz 6 = 1400 Hz 7 = 2000 Hz	Refer below

Program

82

ltem No.	Item	Input Data	Default
03	Modulation	0 = No Modulation 1 = 8 Hz Modulation 2 = 16 Hz Modulation 3 = Envelope	Refer below

Default

Incoming Ringing Tone Number	Tone Type	Frequency 1 (Hz)	Frequency 2 (Hz)	Modulation
Pattern 1 (Trunk Incoming)	High Mid Low	1100 Hz 660 Hz 520 Hz	1400 Hz 760 Hz 660 Hz	16 Hz Modulation 16 Hz Modulation 16 Hz Modulation
Pattern 2 (Trunk Incoming)	High Mid Low	1100 Hz 660 Hz 520 Hz	1400 Hz 760 Hz 660 Hz	8 Hz Modulation 8 Hz Modulation 8 Hz Modulation
Pattern 3 (Trunk Incoming)	High Mid Low	2000 Hz 1400 Hz 1100 Hz	760 Hz 660 Hz 540 Hz	16 Hz Modulation 16 Hz Modulation 16 Hz Modulation
Pattern 4 (Trunk Incoming)	High Mid Low	2000 Hz 1400 Hz 1100 Hz	760 Hz 660 Hz 540 Hz	8 Hz Modulation 8 Hz Modulation 8 Hz Modulation
Pattern 5 (Intercom Incoming Pat- tern)	High Mid Low	1100 Hz 660 Hz 520 Hz	1400 Hz 760 Hz 660 Hz	8 Hz Modulation 8 Hz Modulation 8 Hz Modulation
Pattern 6 (Alarm Sensor Pattern)	High Mid Low	760 Hz 760 Hz 760 Hz	760 Hz 760 Hz 760 Hz	No Modulation No Modulation No Modulation
Pattern 7 (Trunk Incoming) (V3.0 Added)	High Middle Low	1400Hz 760Hz 660Hz	540Hz 540Hz 540Hz	16Hz Modulation 16Hz Modulation 16Hz Modulation
Pattern 8 (Trunk Incoming) (V3.0 Added)	High Middle Low	1400Hz 760Hz 660Hz	540Hz 540Hz 540Hz	8Hz Modulation 8Hz Modulation 8Hz Modulation
Pattern 9 (Trunk Incoming) (V3.0 Added)	High Middle Low	2000Hz 2000Hz 1100Hz	1100Hz 540Hz 760Hz	16Hz Modulation 16Hz Modulation 16Hz Modulation
Pattern 10 (Trunk Incoming) (V3.0 Added)	High Middle Low	2000Hz 2000Hz 1100Hz	1100Hz 540Hz 760Hz	8Hz Modulation 8Hz Modulation 8Hz Modulation

Table 2-17 82-01 Default Table

Conditions

None

Feature Cross Reference

- Distinctive Ringing Tones and Flash Patterns
- Selectable Ring Tones

82-04 : ASTU Initial Data Setup

Level: **MF**

Program

Use Program 82-04 : ASTU Initial Data Setup to set the basic data of the SLT.

ltem No.	Item	Input Data	Default
01	Companding Method Type	0 = µ-law 1 = A-law	0
02	Ringing Frequency	0 = 25 Hz 1 = 20 Hz 2 = 16 Hz	1 (20 Hz)
03	Minimum Break Time	1 ~ 255 (5 ms ~ 1275 ms)	2 (10 ms)
04	Maximum Break Time	1 ~ 255 (5 ms ~ 1275 ms)	20 (100 ms)
05	Minimum Make Time	1 ~ 255 (5 ms ~ 1275 ms)	2 (10 ms)
06	Maximum Make Time	1 ~ 255 (5 ms ~ 1275 ms)	20 (100 ms)
07	Minimum Hook Flash Time	1 ~ 255 (5 ms ~ 1275 ms)	21 (105 ms)
08	Maximum Hook Flash Time	1 ~ 255 (5 ms ~ 1275 ms)	200 (1000 ms)
09	Minimum Ground Flash Time	1 ~ 255 (5 ms ~ 1275 ms)	21 (105 ms)
10	Minimum Off-Hook Time	1 ~ 255 (5 ms ~ 1275 ms)	21 (105 ms)
11	No Detection Time after Off-Hook	1 ~ 255 (5 ms ~ 1275 ms)	60 (300 ms)
12	No Detection Time after Pulse Dial Detection	1 ~ 255 (5 ms ~ 1275 ms)	70 (350 ms)
13	Loop Disconnect Time, Reversal Time	1 ~ 255 (10 ms ~ 2550 ms)	60 (600 ms)
14	Ring, Message Wait Period Time	1 ~ 255 (5 ms ~ 1275 ms)	150 (750 ms)

Conditions

None

Feature Cross Reference

None

82 Input Data

Description

82-05 : ISDN PRI Layer2 (S-Point) Initial Data Setup

Level: MF

Description

Use Program 82-05 : ISDN PRI Layer2 (S-Point) Initial Data Setup to set the basic data for the Layer 2 of ISDN PRI S-Point.

Program

Input Data

ltem No.	Item	Input Data	Default
01	Timer T200	1 ~ 255 (100 ~ 25500 ms)	10 (1 sec)
02	Timer T201	1 ~ 255 (100 ~ 25500 ms)	10 (1 sec)
03	Timer T202	1 ~ 255 (100 ~ 25500 ms)	20 (2 sec)
04	Timer T203	1 ~ 255 (100 ~ 25500 ms)	30 (3 sec)
05	N200	1 ~ 255	3
06	N201	1 ~ 65535 (Byte)	260
07	N202	1 ~ 255	3

Conditions

None

Feature Cross Reference

82-06 : ISDN PRI Layer3 (S-point) Timer Setup

Level:

Program

82

Description

Use **Program 82-06 : ISDN PRI Layer3 (S-Point) Timer Setup** to set the basic timer for the layer 3 of ISDN PRI S-Point.

Input Data

Layer3 Timer Type No.	1 ~ 5
-----------------------	-------

ltem No.	Item	Input Data	Default	
01	T301	0, 180 ~ 254 (sec)	180 (sec)	
02	Т302	1 ~ 254 (sec)	10 (sec)	
03	Т303	1 ~ 254 (sec)	4 (sec)	
04	T304	0 ~ 254 (sec)	20 (sec)	
05	T305	1 ~ 254 (sec)	30 (sec)	
06	Т306	0 ~ 254 (sec)	30 (sec)	
07	Т307	1 ~ 254 (sec)	180 (sec)	
08	T308	1 ~ 254 (sec)	4 (sec)	
09	Т309	1 ~ 254 (sec)	90 (sec)	
10	T310	0 ~ 180 (sec)	30 (sec)	
11	T312	1 ~ 254 (sec)	6 (sec)	
12	T313	1 ~ 254 (sec)	4 (sec)	
13	T314	1 ~ 254 (sec)	4 (sec)	
14	T316	(T317 + 1) ~ 254 (sec)	120 (sec)	
15	T317	1 ~ (T316 - 1) (sec)	60 (sec)	
16	T318	1 ~ 254 (sec)	4 (sec)	
17	T319	1 ~ 254 (sec)	4 (sec)	
18	T320	1 ~ 254 (sec)	30 (sec)	
19	T321	1 ~ 254 (sec)	30 (sec)	
20	T322	1 ~ 254 (sec)	4 (sec)	

Conditions

Feature Cross Reference

None

Program

82-07 : CODEC Filter Setup for Analog Station Port

Level:

Description

82

Program

Use **Program 82-07 : CODEC Filter Setup for Analog Station Port** to set the filter value of the CODEC (QSLAC) filter of each analog port.

Input Data

Station Port Number			001 ~ 128 (V3.5 Changed)	
ltem No.	Item		Input Data	Default
01	CODEC Filter Type	0 = Type 0 1 = Type 1 2 = Type 2 3 = Type 3 4 = Type 4 5 = Type 5 6 = Type 6 7 = Type 7 8 = Type 8 9 = Type 9 10 = Type 10 11 = Type 11 12 = Type 13 14 = Type 14 15 = Type 15		2

Conditions

None

Feature Cross Reference

• Direct Station Selection (DSS)
82-08 : Sidetone Volume Setup

Level: <u>MF</u>

Description

Use **Program 82-08 : Sidetone Volume Setup** for adjusting the telephone sidetone volume. There are two levels, based on whether the connected trunk is a digital trunk or analog trunk.

Program

82

Input Data

ltem No.	Item	Input Data	Default
01	Sidetone Volume	Input Data (Digital Sidetone Level : Analog Side- tone Level) 0 (- 54 dB : - 54 dB) 1 (- 48 dB : - 54 dB) 2 (- 42 dB : - 54 dB) 3 (- 36 dB : - 48 dB) 4 (- 30 dB : - 42 dB) 5 (- 24 dB : - 36 dB) 6 (- 18 dB : - 30 dB) 7 (- 12 dB : - 24 dB) 8 (- 12 dB : - 18 dB) 9 (- 12 dB : - 12 dB)	6

Conditions

None

Feature Cross Reference

- Central Office Calls, Answering
- · Central Office Calls, Placing

82-09 : SLIU CODEC Filter Data Setup

Level: <u>IN</u>

Program

82

Description

Use **Program 82-09 : SLIU CODEC Filter Data Setup** to define the filter setting data (when Program 82-07 is set to 4).

Input Data

ltem No.	Item	Input Data	Default
01	B1 Filter Setup (1)	0~255	105
02	B1 Filter Setup (2)	0 ~ 255	122
03	B1 Filter Setup (3)	0 ~ 255	166
04	B1 Filter Setup (4)	0 ~ 255	42
05	B1 Filter Setup (5)	0 ~ 255	227
06	B1 Filter Setup (6)	0 ~ 255	46
07	B1 Filter Setup (7)	0 ~ 255	169
08	B1 Filter Setup (8)	0 ~ 255	242
09	B1 Filter Setup (9)	0 ~ 255	151
10	B1 Filter Setup (10)	0 ~ 255	41
11	B1 Filter Setup (11)	0 ~ 255	122
12	B1 Filter Setup (12)	0 ~ 255	135
13	B1 Filter Setup (13)	0 ~ 255	168
14	B1 Filter Setup (14)	0 ~ 255	112
15	B2 Filter Setup (1)	0 ~ 255	45
16	B2 Filter Setup (2)	0 ~ 255	1
17	AISN and Analog Gains	0 ~ 255	14
18	Z Filter Coefficients (1)	0 ~ 255	178
19	Z Filter Coefficients (2)	0 ~ 255	162
20	Z Filter Coefficients (3)	0 ~ 255	53
21	Z Filter Coefficients (4)	0 ~ 255	83
22	Z Filter Coefficients (5)	0 ~ 255	42
23	Z Filter Coefficients (6)	0 ~ 255	171
24	Z Filter Coefficients (7)	0 ~ 255	194
25	Z Filter Coefficients (8)	0 ~ 255	43
26	Z Filter Coefficients (9)	0 ~ 255	106
27	Z Filter Coefficients (10)	0 ~ 255	163

ltem No.	Item	Input Data	Default
28	Z Filter Coefficients (11)	0 ~ 255	43
29	Z Filter Coefficients (12)	0 ~ 255	169
30	Z Filter Coefficients (13)	0 ~ 255	166
31	Z Filter Coefficients (14)	0 ~ 255	159
32	Z Filter Coefficients (15)	0 ~ 255	1
33	R Filter Coefficients (1)	0 ~ 255	220
34	R Filter Coefficients (2)	0 ~ 255	1
35	R Filter Coefficients (3)	0 ~ 255	58
36	R Filter Coefficients (4)	0 ~ 255	32
37	R Filter Coefficients (5)	0 ~ 255	35
38	R Filter Coefficients (6)	0 ~ 255	202
39	R Filter Coefficients (7)	0 ~ 255	195
40	R Filter Coefficients (8)	0 ~ 255	174
41	R Filter Coefficients (9)	0 ~ 255	74
42	R Filter Coefficients (10)	0 ~ 255	51
43	R Filter Coefficients (11)	0 ~ 255	170
44	R Filter Coefficients (12)	0 ~ 255	171
45	R Filter Coefficients (13)	0 ~ 255	74
46	R Filter Coefficients (14)	0 ~ 255	197
47	X Filter Coefficients (1)	0 ~ 255	1
48	X Filter Coefficients (2)	0 ~ 255	17
49	X Filter Coefficients (3)	0 ~ 255	1
50	X Filter Coefficients (4)	0 ~ 255	144
51	X Filter Coefficients (5)	0 ~ 255	1
52	X Filter Coefficients (6)	0 ~ 255	144
53	X Filter Coefficients (7)	0 ~ 255	1
54	X Filter Coefficients (8)	0 ~ 255	144
55	X Filter Coefficients (9)	0 ~ 255	1
56	X Filter Coefficients (10)	0 ~ 255	144
57	X Filter Coefficients (11)	0~255	1
58	X Filter Coefficients (12)	0 ~ 255	144
59	GR Filter Coefficients (1)	0~255	1
60	GR Filter Coefficients (2)	0~255	17
61	GX Filter Coefficients (1)	0 ~ 255	35
62	GX Filter Coefficients (2)	0 ~ 255	32

Program

82

Conditions

• This is used if Program 82-07 is set to 4 (Specified data).

Feature Cross Reference

None

Program



82-11 : SLIU Initial Data Setup

Level: IN

Description

Use Program 82-11 : SLIU Initial Data Setup to define the various timers for SLIU.

Input Data

ltem No.	ltem	Input Data	Description	Default
01	Bounce Protect Time	0 = No setting 1 ~ 15 = 100 ms ~ 1.5 sec	Specify a time for detection of a valid off- Hook indication that is long enough to pre- vent an unintentional bounce of the receiv- er from being detected as a new Off-Hook indication from a Single Line Telephone.	3 (300 ms)
02	HookFlash Start Time	0 = 40 ms 1 ~ 15 = 90 ms ~ 790 ms	Specify the minimum hookflash time from a Single Line Telephone or analog Voice Mail system before it is detected as the be- ginning of a valid hookflash.	5 (290 ms)
03	HookFlash End Time	0 = HST + 0 ms $1 \sim 15 = HST + 100 ms$ $\sim HST + 1500 ms$ (HST = Hookflash Start Time)	Specify the maximum hookflash duration from a Single Line Telephone to receive a second dial tone.	7 (990 ms)

Conditions

None

Feature Cross Reference

82-12 : OPX Initial Data Setup

Level: <u>IN</u>

Program

82

Use **Program 82-12 : OPX Initial Data Setup** to define the various initial data for OPX packages.

Input Data

Description

ltem No.	ltem	Input Data	Description	Default
01	Bounce Protect Time	0 = No setting 1 ~ 15 = 100 ms ~ 1.5 sec	Specify a time for detection of a valid off- Hook indication that is long enough to pre- vent an unintentional bounce of the receiv- er from being detected as a new Off-Hook indication from a single line telephone.	3 (300 ms)
02	HookFlash Start Time	0 = 40 ms 1 ~ 15 = 90 ms ~ 790 ms	Specify the minimum hookflash time from a single line telephone or analog Voice Mail system before it is detected as the be- ginning of a valid hookflash.	5 (290 ms)
03	HookFlash End Time	0 = HST + 0 ms $1 \sim 15 = HST + 100 ms$ $\sim HST + 1500 ms$ (HST = Hookflash Start Time)	Specify the maximum hookflash duration from a single line telephone to receive a second dial tone.	7 (990 ms)

Conditions

None

Feature Cross Reference

82-14 : Handset/Headset Gain Setup for Multi Line Telephone

Level: IN

Description

Use **Program 82-14: Handset/Headset Gain Setup for Multi Line Telephone** to define the Handset/ Headset Gain Level for Multi Line Telephone.

Input Data

Extension Number	Up to eight digits

ltem No.	Item	Input Data	Default
01	Handset/Headset Transmit Gain level	0 = Fixed (9 = + 12.5 dB) 1 ~ 32 = LR value : - 3.5 ~ + 58.5 dB	0
02	Handset/Headset Receive Gain lev- el	0 = Fixed (13 = 0 dB) 1 ~ 32 = LR value : - 24 ~ + 38.0 dB	0

Conditions

None

Feature Cross Reference

None

Program

82-21 : Sensor Setup

Level: <u>IN</u>

Program

82

Description

Use Program 82-21 : Sensor Setup to setup the Sensor for SL1100.

Input Data

Sensor Number	1 ~ 6	
---------------	-------	--

ltem No.	Item	Input Data	Description	Default
01	Sensor Type	0 = Close Detect 1 = Open Detect	Set sensor type.	0
02	Sensor Alarm Detect Minimum Level	1 ~ 255 (5 ms ~ 1275 ms)	Set minimum level for Alarm detection.	24 (120 ms)
03	Sensor Idle Detect Minimum Level	1 ~ 255 (5 ms ~ 1275 ms)	Set minimum level for Idle detection.	24 (120 ms)

Conditions

None

Feature Cross Reference

Program 84 : Hardware Setup for VoIPDB 84-02 : H.225 and H.245 Information Basic Setup

Level: IN

Description

Use **Program 84-02 : H.225 and H.245 Information Basic Setup** to define the basic setup information of H.225 and H.245.

Input Data

ltem No.	Item	Input Data	Default
01	H.225 Alerting Time	0 ~ 255 seconds	180
02	H.225 Setup Acknowledge Timer	0 ~ 255 seconds	9
03	H.225 Setup Timer	0 ~ 255 seconds	4
04	H.225 Info Ack Timer	0 ~ 255 seconds	9
05	H.225 Call Proceeding Timer	0 ~ 255 seconds	10
07	H.245 Master Slave Determination Timer	0 ~ 255 seconds	5
08	H.245 Master Slave Determination Retry Count	0 ~ 255 seconds	3
09	H.245 Capability Exchange Timer	0 ~ 255 seconds	5
10	H.245 Logical Channel Establish- ment Timer	0 ~ 255 seconds	50
11	H.245 Mode Request Procedures Timer	0 ~ 255 seconds	50
12	H.245 Close Logical Channel Timer	0 ~ 255 seconds	50
13	H.245 Round Trip Delay Timer	0 ~ 255 seconds	50
14	H.245 Maintenance Loop	0 ~ 255 seconds	50
15	RAS GRQ Timer	0 ~ 255 seconds	5
16	GRQ Retry Count	0 ~ 255	2
17	RAS RRQ Timer	0 ~ 255 seconds	5
18	RRQ Retry Count	0 ~ 255	3
19	RAS URQ Timer	0 ~ 255 seconds	3
20	URQ Retry Count	0 ~ 255	1
21	RAS ARQ Timer	0 ~ 255 seconds	5
22	ARQ Retry Count	0 ~ 255	2
23	RAS BRQ Timer	0 ~ 255 seconds	5
24	BRQ Retry Count	0 ~ 255	2
25	RAS IRR Timer	0 ~ 255 seconds	5
26	IRR Retry Count	0 ~ 255	2
27	RAS DRQ Timer	0 ~ 255 seconds	8
28	DRQ Retry Count	0 ~ 255	2

ltem No.	ltem	Input Data	Default
29	RAS LRQ Timer	0 ~ 255 seconds	5
30	LRQ Retry Count	0 ~ 255	2
31	RAS RAI Timer	0 ~ 255 seconds	3
32	RAI Retry Count	0 ~ 255	2
33	Call Signaling Port Number	0 ~ 65535 : 0 ~ 1719, 1721 ~ 65535	1730
35	Fast Start Mode	0 = Disable 1 = Enable	1
36	RAS Unicast Port Number	0 ~ 65535	20001
37	Terminal Type setting	0 ~ 255	60

Program

84

Conditions

None

Feature Cross Reference

Program 84 : Hardware Setup for VoIPDB 84-07 : Firmware Download Setup

Level: <u>IN</u>

Description

Use **Program 84-07 : Firmware Download Setup** to configure the settings related to Central Firmware Download for IP Phones.

Input Data

ltem No.	ltem	Input Data	Description	Default
01	Server Mode	0 = TFTP 1 = FTP		0
02	File Server IP Ad- dress	0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255255.254 192.0.0.1 ~ 223.255.254.254		0.0.0.0
03	Login Name	Up to 20 Characters	Enable only 84-07-01 is 1	None
04	Password	Up to 20 Characters	Enable only 84-07-01 is 1	None

Conditions

None

Feature Cross Reference

Program 84 : Hardware Setup for VoIPDB 84-09 : VLAN Setup

Level: IN

Description

on VoIPDB is set the VLAN tag.

Program

84

Input Data

	Interface Number	1~2
--	------------------	-----

Use Program 84-09 : VLAN Setup to set up the VLAN data. I/F No.2 The packets send from LAN I/F

ltem No.	Item	Input Data	Default
01	VLAN	0 = Disable (Off) 1 = Enable (On)	0
02	VLAN ID	0~4094	0
03	Priority	0~7	0

Conditions

• System programming must be exited before these program options take affect.

Feature Cross Reference

Program 84 : Hardware Setup for VolPDB 84-10 : ToS Setup

Level:

Description

Use Program 84-10 : ToS Setup to set up the Type of Service data.

Input Data

Protocol Type 1 ~ 3 = Not used 4 = Networking (V1.5 Changed) 5 = RTP/RTCP 6 = SIP 7 = Not used 8 = SIP-MLT 9 = SIP Trunk 10 = Not used

ltem No.	Item	Input Data	Description	Default
01	ToS Mode	0 = Disable (Invalid) 1 = IP Precedence 2 = Diffserv	When Input Data is set to 1, Item No. 07 is invalid. When Data is set to 2, Item No. 02 ~ 06 are invalid.	0
02	Priority, IP Prece- dence	0 ~ 7 0 = Low 7 = High	1 = Router queuing priority	0
03	Low Delay	0 ~ 1 0 = Normal Delay, Low Delay	1 = Optimize for low delay routing	0
04	Wideband (Through- out)	0 ~ 1 0 = Normal Throughput 1 = High Throughput	1 = Optimize for high bandwidth routing	0
05	High Reliability	0 ~ 1 0 = Normal Reliability 1 = Low Reliability	1 = Optimize for reliability routing	0
07	Priority (D.S.C.P Dif- ferentiated Services Code Point)	0~63	DSCP (Differentiated Services Code Point)	0

Conditions

• The system must be reset for these program options to take affect.

Feature Cross Reference

None

Program

Program 84 : Hardware Setup for VoIPDB 84-12 : Networking CODEC Information Basic Setup

Level:

(This Program is available for V1.5 or higher)

Program

84

Description

Use **Program 84-12 : Networking CODEC Information Basic Setup** to set voice (RTP packet) encoding parameters.

Input Data

ltem No.	ltem	Input Data	Description	Default
01	Number of G.711 Au- dio Frames	1 = 10 ms 2 = 20 ms 3 = 30 ms 4 = 40 ms		3
02	G.711 VAD mode	0 = Disable 1 = Enable		0
03	G.711 Type	0 = A-law 1 = µ-law		1
04	G.711 Jitter Buffer (min)	0 ~ 255 ms		30
05	G.711 Jitter Buffer (average)	0 ~ 255 ms		60
06	G.711 Jitter Buffer (max)	0 ~ 255 ms		120
07	Number of G.729 Au- dio Frames	1 = 10 ms 2 = 20 ms 3 = 30 ms 4 = 40 ms 5 = 50 ms 6 = 60 ms		3
08	G.729 VAD mode	0 = Disable 1 = Enable		0
09	G.729 Jitter Buffer (min)	0 ~ 300 ms		30
10	G.729 Jitter Buffer (average)	0 ~ 300 ms		60
11	G.729 Jitter Buffer (max)	0 ~ 300 ms		120
12	Number of G.723 Au- dio Frames	1 = 30 ms 2 = 60 ms		1
14	G.723 Jitter Buffer (min)	0 ~ 300 ms		30
15	G.723 Jitter Buffer (average)	0 ~ 300 ms		60
16	G.723 Jitter Buffer (max)	0 ~ 300 ms		120

ltem No.	ltem	Input Data	Description	Default
17	Jitter Buffer Mode	1 = Static 3 = Adaptive Immediate- ly		3
18	VAD Threshold	01 ~ 30 (19 db ~ +10 db) 1 = -19 dB (-49 dBm) : 20 = 0 dB (-30 dBm) : 29 = 9 dBm(-21 dBm) 30 = 10 dBm(-20 dBm)		20
28	Audio Capability Pri- ority	0 = G.711_PT 1 = G.723_PT 2 = G.729_PT 3 = G.722_PT		0
30	Echo Auto Gain Con- trol	0~5		0
31	DTMF Relay Mode	0 = Disable 1 = RFC2833 2 = VoIPU	If VoIPU, the systems refers to PRG 84-06-10 setting.	1 (V2.0 Changed)
32	Fax Relay	0 = Disable 1 = Enable 2 = Each Port Mode		0
33	Number of G.722 Au- dio Frame	1 = 10 ms 2 = 20 ms 3 = 30 ms 4 = 40 ms		3
35	G.722 Jitter Buffer (min)	0 ~ 255 ms		30
36	G.722 Jitter Buffer (average)	0 ~ 255 ms		60
37	G.722 Jitter Buffer (max)	0 ~ 255 ms		120
38	RTP Filter	0 = Disable 1 = Enable	To avoid incorrect voice pass connection, this Program checks the sending side ad- dress from received RTP packet at VoIPDB.	1
39	DTMF Level Mode	0 = VoIPU default value 1 = Main soft value	Used only by VoIPDB.	0
40	DTMF Level High	0 = Disable 1 = -33 dBm : 28 = -6 dBm	Used only by VoIPDB.	28
41	DTMF Level Low	0 = Disable 1 = -33 dBm : 28 = -6 dBm	Used only by VoIPDB.	28

Conditions

None

Feature Cross Reference

Voice Over Internet Protocol (VoIP)

Program

Program 84 : Hardware Setup for VoIPDB 84-13 : SIP Trunk CODEC Information Basic Setup

Level: IN

Description

Program

84

Use **Program 84-13 : SIP Trunk CODEC Information Basic Setup** to set up the basic CODEC options for SIP trunks.

Input Data

Profile (V5.0 Added)	1~2

ltem No.	ltem	Input Data	Description	Default	Related Program
01	Number of G.711 Audio Frame	1 = 10 ms 2 = 20 ms 3 = 30 ms 4 = 40 ms	Maximum number of G711 Audio Frames. When the voice is encoded using the PCM (Pulse Code Modu- lation) method, a unit is a frame of 10ms.	2	
02	G.711 Silence Detection (VAD) Mode	0 = Disable 1 = Enable	Select whether to compress silence with G.711. When there is silence, the RTP packet is not sent.	0	
03	G.711 Type	0 = A-law 1 = μ-law	Set the type of G.711.	1	
04	G.711 Jitter Buf- fer - Minimum	0 ~ 255 ms	Set the minimum value of the G.711 Jitter Buffer.	20	
05	G.711 Jitter Buf- fer - Minimum	0 ~ 255 ms	Set the average value of the G.711 Jitter Buffer.	40	
06	G.711 Jitter Buf- fer - Maximum	0 ~ 255 ms	Set the maximum value of the G.711 Jitter Buffer.	80	
07	G.729 Audio Frame	1 ~ 6 (1 = 10 ms, 2 = 20 ms, etc.)	Maximum number of G729 Audio Frames. G.729 assumes the audio signal made by a specimen by 8 kHz and the frame of 10 ms is as- sumed to be a unit to 8 kbps by the encoding compressed method.	2	
08	G.729 Silence Compression (VAD) Mode	0 = Disable 1 = Enable	Select whether to compress silence with G.729. When there is silence, the RTP packet is not sent.	0	
09	G.729 Jitter Buf- fer - Minimum	0 ~ 300 ms	Set the minimum value of the Jitter Buffer of G.729 is set. Jitter is the variation in the time between pack- ets arriving and the buffer allows this variation to be absorbed.	20	
10	G.729 Jitter Buf- fer - Standard	0 ~ 300 ms	Set the average G.729 Jitter Buffer.	40	
11	G.729 Jitter Buf- fer - Maximum	0 ~ 300 ms	Set the maximum G.729 Jitter Buf- fer.	80	
12	Number of G.723 Audio Frame	1 = 30 msec 2 = 60 msec	Maximum number of the G.723 Au- dio Frame.	1	

ltem No.	ltem	Input Data	Description	Default	Related Program
14	G.723 Jitter Buf- fer - Minimum	0 ~ 300 ms	Set the minimum value of the G.723 Jitter Buffer.	30	
15	G.723 Jitter Buf- fer - Standard	0 ~ 300 ms	Set the average value of the G.723 Jitter Buffer.	60	
16	G.723 Jitter Buf- fer - Maximum	0 ~ 300 ms	Set the maximum value of the G. 723 Jitter Buffer.	120	
17	Jitter Buffer Mode	1 = static 3 = adaptive immedi- ately	Set the mode of the Jitter Buffer. 1 = Size set to the fixed amount for the codec. 2 = The minimum/maximum range for the codec is used. 3 = The minimum/maximum range for the codec is used and adjusts at any time, regardless of silence.	3	
18	Silence Com- pression (VAD) Threshold	1 ~ 30 (self-adjustment and - 19 dB ~ + 10dB) 1 = - 19 dB (- 49 dBm) : 20 = 0dB (- 30 dBm) : 29 = 9 dBm (- 21 dBm) 30 = 10dBm (- 20 dBm)	Set the voice level judged to be si- lence. Change value based .30 This entry is ignored if silence com- pression is disabled in 84-01-03 with G.711 or 84-01-06 with G.729.	20	
28	Priority Codec Setting	0 = G.711 PT 1 = G.723 PT 2 = G.729 PT 3 = G.722 PT 4 = G.726 PT 5 = iLBC PT 6 = G.711 Only (V1.5 Added) 7 = G.729 Only (V1.5 Added)	The option selected here deter- mines what other codec options are applied by priority.	0	
30	EchoAuto Gain Control	0~5	Define the Auto Gain Control.	0	
31	DTMF Payload Number	96 ~ 127	Define the DTMF Payload Number.	110	
32	DTMF Relay Mode	0 = Disable 1 = RFC2833	Determine the DTMF setup.	0	
33	G.722 Audio Frame	1 = 10 ms 2 = 20 ms 3 = 30 ms 4 = 40 ms	Maximum number of G.722 Audio Frames. G.722 assumes the audio signal made by a specimen by 16 kHz and the frame of 10 ms is as- sumed to be a unit to 64 kbps by the encoding compressed method.	3	
35	G.722 Jitter Buf- fer - Minimum	0 ~ 255 ms	Set the minimum value of the Jitter Buffer of G.722 is set. Jitter is the variation in the time between pack- ets arriving and the buffer allows this variation to be absorbed.	30	
36	G.722 Jitter Buf- fer - Standard	0 ~ 255 ms	Set the average G.722 Jitter Buffer.	60	
37	G.722 Jitter Buf- fer - Maximum	0 ~ 255 ms	Set the maximum G.722 Jitter Buf- fer.	120	
38	G.726 Audio Frame	1 = 10 ms 2 = 20 ms 3 = 30 ms 4 = 40 ms	Maximum number of G.726 Audio Frames. G.726 assumes the audio signal made by a specimen by 16 kHz and the frame of 10 ms is as- sumed to be a unit to 32 kbps by the encoding compressed method.	3	

ltem No.	Item	Input Data	Description	Default	Related Program
39	G.726 Silence Compression Mode	0 = Disable 1 = Enable	Select whether to compress silence with G.726. When there is silence, the RTP packet is not sent.	0	
40	G.726 Jitter Buf- fer - Minimum	0 ~ 255 ms	Set the minimum value of the Jitter Buffer of G.726 is set. Jitter is the variation in the time between pack- ets arriving and the buffer allows this variation to be absorbed.	30	
41	G.726 Jitter Buf- fer - Standard	0 ~ 255 ms	Set the average G.726 Jitter Buffer.	60	
42	G.726 Jitter Buf- fer - Maximum	0 ~ 255 ms	Set the maximum G.726 Jitter Buf- fer.	120	
43	iLBC Audio Frame	2 = 20 ms 3 = 30 ms 4 = 40 ms	Maximum number of iLBC Audio Frames. iLBC assumes the frame of 10 ms is a unit.	3	
45	iLBC Jitter Buffer - Minimum	0 ~ 255 ms	Set the minimum value of the Jitter Buffer of iLBC is set. Jitter is the var- iation in the time between packets arriving and the buffer allows this variation to be absorbed.	30	
46	iLBC Jitter Buffer - Standard	0 ~ 255 ms	Set the average iLBC Jitter Buffer.	60	
47	iLBC Jitter Buffer - Maximum	0 ~ 255 ms	Set the maximum iLBC Jitter Buffer.	120	
48	ILBC Payload Number	96 ~ 127	The payload number of iLBC is set. However, the same number as Item 31 cannot be set.	98	
49	RTP Filter	0 = Disable 1 = Enable		0	
50	Fax Relay mode	0 = Disable 1 = T.38 (V4.0 Changed) 2 = Path Through (V4.0 Added)	Set the FAX Relay Mode. 2:Path Through Mode has more detail setting at PRG 84-32 (V4.0 Added)	0	
51	T.38 Protocol mode	0 = R/U (V1.5 Changed) 1 = U/R (V1.5 Changed) 2 = RTP (V1.5 Changed) 3 = UDPTL (V1.5 Changed)		1	
52	Fax Max Rate	1 = V.27ter, 4800 bps 3 = V.29, 9600 bps 5 = V.17, 14400 bps		5	
56	Low Speed Data Redundancy	0~2		0	
57	High Speed Data Redundancy	0~2		0	
58	TCF Handling	0 = Local 1 = Network		1	
61	T.38 RTP Format Payload Number	96 ~ 127		100	
62	DTMF Level mode	0 = VoIPDB Unit 1 = Main Soft		0	
63	DTMF Level High	1 = - 33 dBm : 28 = - 6 dBm		28	

ltem	Input Data	Description	Default	Related Program
DTMF Level Low	1 = - 33 dBm : 28 = - 6 dBm		28	
VAD Negotiation on SDP (Future) (V2.0 Added)	0 = Disable 1 = Enable	This PRG is used to determine the VAD determination method setting VAD information on SDP.This PRG is effective when VAD is enabled on each codec.Image: G.711 and G.729 are targets at this time.	0	
Voice Band Data (VBD) (Future) (V2.0 Added)	0 = Disable 1 = Enable	This PRG is used for setting VBD to is "Enable/Disable". This PRG is necessary to set the 1: Special in PRG15-03-03 for target terminal.	0	15-03-03
VBD Payload Type (Future) (V2.0 Added)	96 ~ 127	This PRG is specifies the Payload Type number used by VBD.	97	15-03-03
	Item DTMF Level Low VAD Negotiation on SDP (Future) (V2.0 Added) Voice Band Data (VBD) (Future) (V2.0 Added) VBD Payload Type (Future) (V2.0 Added)	ItemInput DataDTMF Level Low1 = - 33 dBm : 28 = - 6 dBmVAD Negotiation on SDP (Future) (V2.0 Added)0 = Disable 1 = EnableVoice Band Data (VBD) (Future) (V2.0 Added)0 = Disable 1 = EnableVoice Band Data (VBD) (Future) (V2.0 Added)0 = Disable 1 = EnableVBD Payload Type (Future) (V2.0 Added)96 ~ 127	ItemInput DataDescriptionDTMF Level Low1 = - 33 dBm : 28 = - 6 dBm	ItemInput DataDescriptionDefaultDTMF Level Low1 = - 33 dBm : 28 = - 6 dBm2828VAD Negotiation on SDP (Future) (V2.0 Added)0 = Disable 1 = EnableThis PRG is used to determine the VAD determination method setting VAD determination on SDP. This PRG is effective when VAD is enabled on each codec.0Voice Band Data (V2.0 Added)0 = Disable 1 = EnableThis PRG is used for setting VBD to is "Enable/Disable". This PRG is necessary to set the 1: Special in PRG15-03-03 for target terminal.0VBD Payload Type (Future) (V2.0 Added)96 ~ 127This PRG is specifies the Payload Type number used by VBD.97

Conditions

None

Feature Cross Reference

None

Program 84 : Hardware Setup for VoIPDB 84-14 : SIP Trunk Basic Information Setup

Level: <u>IN</u>

Description

Program

84

Use Program 84-14 : SIP Trunk Basic Information Setup to define the basic setup for SIP trunks.

Input Data

	Profile (V5.0 Adde	d)	1~2	
		1	1	
ltem No.	Item	Input Data	Description	Default
01	INVITE ReTx Count Specifies the number of times the INVITE mes- sage is sent.	0~255		7
02	Request ReTx Count Specifies the number of times Request mes- sage except INVITE are sent.	0 ~ 255		11
03	Response ReTx Count Specifies the number of times the Response message is sent.	0~255		7
04	Request ReTx Start Time	0 ~ 65535 (0 ms ~ 6553.5 seconds) (Use Profile 1 Only) (V5.0 Added)		5 (500 ms)
05	Request Maximum ReTx Interval	0 ~ 65535 (0 ms ~ 6553.5 seconds) (Use Profile 1 Only) (V5.0 Added)		40 (4000 ms)
06	SIP Trunk Port Num- ber	1 ~ 65535		5060 (Profile1) (V5.0 Changed) 5062 (Profile2) (V5.0 Added)
07	Session Timer Value	0 ~ 65535		0
08	Minimum Session Timer Value	0 ~ 65535		1800
09	Called Party Informa- tion	0 = Request URI 1 = To Header		0
10	URL Type	0 = SIP-URL 1 = TEL-URL		0
11	URL/To HeaderSetting Information	0 = Proxy Server Do- main 1 = SIP UA Domain		0

	1			
ltem No.	ltem	Input Data	Description	Default
13	SIP Trunk Incoming/ Outgoing via E164SIP_URI (V1.5 Added)	0 = Off 1 = Mode 1 (V3.0 Changed) 2 = Mode 2 (V3.0 Changed) 3 = Mode 3 (V3.0 Add- ed)		0
15	100rel Settings (V1.5 Added)	0 = Use default Settings 1 = Use opposite Default Setting		0
16	SIP Trunk SIP-URI E. 164 Incoming Mode (V2.0 Added)	0 = OFF 1 = Mode 1 2 = Mode 2		0
17	Call Forward Moved Temporarily Support (V3.0 Added)	0 = Disabled 1 = 302 Return	When enabled a 302 Moved temporarily response is sent for external call forward destinations.	0

Conditions

None

Feature Cross Reference

None

Program

Program 84 : Hardware Setup for VoIPDB 84-15 : SIP Phone Keep Alive Setup

Level: <u>IN</u>

Description

Program

84

Use **Program 84-15 : SIP Phone Keep Alive Setup** to set the Keep Alive Configuration of the SIP phone.

Input Data

ltem No.	ltem	Input Data	Description	Default
01	Registration Informa- tion Automatic Dele- tion	0 = Disable 1 = Enable	When set to 1 (Enable), the registration in- formation is automatically deleted (for H. 323).	0
02	Keep Alive Message Interval	1 ~ 10 minutes	Time interval that system sends a Ping to the terminal.	1
03	Keep Alive Message Timeout	1 ~ 10 seconds	Time that system waits for a Ping re- sponse from the terminal.	5
04	Keep Alive Timeout	1 ~ 5 times	How many times the system waits for a non response before determining the terminal is down.	3

Conditions

None

Feature Cross Reference

Program 84 : Hardware Setup for VoIPDB 84-16 : VoIPDB Limiter Control Gain Setup

Level: IN

Description

Use **Program 84-16 : VoIPDB Limiter Control Gain Setup** to set the Limiter Control Gain configuration of VoIPDB.

Input Data

ltem No.	ltem	Input Data	Description	Default
01	RX Limiter Control Gain	0 ~ 30 (- 15 dBm ~ + 15 dBm) 0 = - 15 dBm 1 = - 14 dBm : 15 = 0 dBm : 29 = 14 dBm 30 = 15 dBm	Gain setting to control limiter in the direc- tion of IP \rightarrow PCM. This option adds gain to the voice input from the LAN and removes it from the voice output to highway.	15 (0 dBm)
02	TX Limiter Control Gain	0 ~ 30 (- 15 dBm ~ + 15 dBm) 0 = - 15 dBm 1 = - 14 dBm : 15 = 0 dBm : 29 = 14 dBm 30 = 15 dBm	Gain setting to control limiter in the direc- tion of PCM \rightarrow IP. This option adds the gain to the voice input from highway and removes it from the voice output to the LAN.	15 (0 dBm)
03	RX Limiter Control Gain (COIU)	0 ~ 30 (- 15 dBm ~ + 15 dBm) 0 = - 15 dBm 1 = - 14 dBm : 15 = 0 dBm : 29 = 14 dBm 30 = 15 dBm	This option controls the limiter gain for a COIU call in the IP to PCM direction.	15 (0 dBm)
04	TX Limiter Control Gain (COIU)	0 ~ 30 (- 15 dBm ~ + 15 dBm) 0 = - 15 dBm 1 = - 14 dBm : 15 = 0 dBm : 29 = 14 dBm 30 = 15 dBm	This option controls the limiter gain for a COIU call in the PCM to IP direction.	15 (0 dBm)

Conditions

None

Feature Cross Reference





Program 84 : Hardware Setup for VoIPDB 84-19 : SIP Extension CODEC Information Basic Setup

Level:

Description

Use **Program 84-19 : SIP Extension CODEC Information Basic Setup** to define the CODEC information for the SIP extensions.

Input Data

ltem No.	Item	Input Data	Description	Default
01	Number of G.711 Au- dio Frame	1 = 10 ms 2 = 20 ms 3 = 30 ms 4 = 40 ms	Maximum number of G711 Audio Frames. When the voice is encoded using the PCM (Pulse Code Modulation) method, a unit is a frame of 10ms.	2
02	G.711 Silence Detec- tion (VAD) Mode	0 = Disable 1 = Enable	Select whether to compress silence with G.711. When there is silence, the RTP packet is not sent.	0
03	G.711 Type	0 = A-law 1 = µ-law	Set the type of G.711.	1
04	G.711 Jitter Buffer - Minimum	0 ~ 255 ms	Set the minimum value of the G.711 Jitter Buffer.	20
05	G.711 Jitter Buffer - Standard	0 ~ 255 ms	Set the average value of the G.711 Jitter Buffer.	40
06	G.711 Jitter Buffer - Maximum	0 ~ 255 ms	Set the maximum value of the G.711 Jitter Buffer.	80
07	G.729 Audio Frame	1 ~ 6 (1 = 10 ms, 2 = 20ms, etc.)	Maximum number of G729 Audio Frames. G.729 assumes the audio signal made by a specimen by 8 kHz and the frame of 10 ms is assumed to be a unit to 8 kbps by the encoding compressed method.	2
08	G.729 Silence Com- pression (VAD) Mode	0 = Disable 1 = Enable	Select whether to compress silence with G.729. When there is silence, the RTP packet is not sent.	0
09	G.729 Jitter Buffer - Minimum	0 ~ 300 ms	Set the minimum value of the Jitter Buffer of G.729 is set. Jitter is the variation in the time between packets arriving and the buf- fer allows this variation to be absorbed.	20
10	G.729 Jitter Buffer - Standard	0 ~ 300 ms	Set the average G.729 Jitter Buffer.	40
11	G.729 Jitter Buffer - Maximum	0 ~ 300 ms	Set the maximum G.729 Jitter Buffer.	80
12	Number of G.723 Au- dio Frame	1 = 30 msec 2 = 60 msec	Maximum number of the G.723 Audio Frame.	1
14	G.723 Jitter Buffer - Minimum	0 ~ 300 ms	Set the minimum value of the G.723 Jitter Buffer.	30
15	G.723 Jitter Buffer - Standard	0 ~ 300 ms	Set the average value of the G.723 Jitter Buffer.	60

Program

ltem No.	ltem	Input Data	Description	Default
16	G.723 Jitter Buffer - Maximum	0 ~ 300 ms	Set the maximum value of the G.723 Jitter Buffer.	120
17	Jitter Buffer Mode	1 = static 3 = adaptive immediately	Set the mode of the Jitter Buffer. 1 = Size set to the fixed amount for the co- dec. 2 = The minimum/maximum range for the codec is used. 3 = The minimum/maximum range for the codec is used and adjust at any time, re- gardless of silence.	3
18	Silence Compression (VAD) Threshold	1 ~ 30 (self-adjustment and - 19 dB ~ + 10 dB) 1 = - 19 dB (- 49 dBm) : 20 = 0 dB (- 30 dBm) : 29 = 9 dBm (- 21 dBm) 30 = 10 dBm (- 20 dBm)	Set the voice level judged to be silence. Change value based .30 This entry is ignored if silence compres- sion is disabled in 84-01-03 with G.711 or 84-01-06 with G.729.	20
28	Priority Codec Setting	0 = G.711 PT 1 = G.723 PT 2 = G.729 PT 3 = G.722 4 = G.726 5 = iLBC	The option selected here determines what other codec options are applied by priority. For the system to utilize the G.723 or iLBC Codecs, program 84-27-02 must be set to G.723/iLBC.	0
30	EchoAuto Gain Con- trol	0~5	Define the Auto Gain Control.	0
31	DTMF Payload Num- ber	96 ~ 127	Define the DTMF Payload Number.	96
32	DTMF Relay Mode	0 = Disable 1 = RFC2833	Determine the DTMF setup used between the SIP extensions. It is effective when a terminal call is made through the VoIPDB.	0
33	G.722 Audio Frame	1 = 10 ms 2 = 20 ms 3 = 30 ms 4 = 40 ms	Maximum number of G.722 Audio Frames. G.722 assumes the audio signal made by a specimen by 16 kHz and the frame of 10 ms is assumed to be a unit to 64 kbps by the encoding compressed method.	3
35	G.722 Jitter Buffer - Minimum	0 ~ 255 ms	Set the minimum value of the Jitter Buffer of G.722 is set. Jitter is the variation in the time between packets arriving and the buf- fer allows this variation to be absorbed.	30
36	G.722 Jitter Buffer - Standard	0 ~ 255 ms	Set the average G.722 Jitter Buffer.	60
37	G.722 Jitter Buffer - Maximum	0 ~ 255 ms	Set the maximum G.722 Jitter Buffer.	120
38	G.726 Audio Frame	1 = 10 ms 2 = 20 ms 3 = 30 ms 4 = 40 ms	Maximum number of G.726 Audio Frames. G.726 assumes the audio signal made by a specimen by 16 kHz and the frame of 10 ms is assumed to be a unit to 32 kbps by the encoding compressed method.	3
39	G.726 Silence Com- pression (VAD) Mode	0 = Disable 1 = Enable	Select whether to compress silence with G.726. When there is silence, the RTP packet is not sent.	0
40	G.726 Jitter Buffer - Minimum	0 ~ 255 ms	Set the minimum value of the Jitter Buffer of G.726 is set. Jitter is the variation in the time between packets arriving and the buf- fer allows this variation to be absorbed.	30
41	G.726 Jitter Buffer - Standard	0 ~ 255 ms	Set the average G.726 Jitter Buffer.	60

Program

ltem No.	ltem	Input Data	Description	Default
42	G.726 Jitter Buffer - Maximum	0 ~ 255 ms	Set the maximum G.726 Jitter Buffer.	120
43	iLBC Audio Frame	2 = 20 ms 3 = 30 ms 4 = 40 ms	Maximum number of iLBC Audio Frames. iLBC assumes the frame of 10ms is a unit.	3
45	iLBC Jitter Buffer - Minimum	0 ~ 255 ms	Set the minimum value of the Jitter Buffer of iLBC is set. Jitter is the variation in the time between packets arriving and the buf- fer allows this variation to be absorbed.	30
46	iLBC Jitter Buffer - Standard	0 ~ 255 ms	Set the average iLBC Jitter Buffer.	60
47	iLBC Jitter Buffer - Maximum	0 ~ 255 ms	Set the maximum iLBC Jitter Buffer.	120
48	ILBC payload number	96 ~ 127	The payload number of iLBC is set. How- ever, the same number as Item 31 cannot be set.	98
49	RTP Filter	0 = Disable 1 = Enable		1
50	Fax Relay mode	0 = Disable 1 = Enable		0
51	T.38 Protocol mode	0 = R/U (V1.5 Changed) 1 = U/R (V1.5 Changed) 2 = RTP (V1.5 Changed) 3 = UDPTL (V1.5 Changed)		1
52	Fax Max Rate	1 = V.27ter, 4800 bps 3 = V.29, 9600 bps 5 = V.17, 14400 bps		5
56	Low Speed Data Re- dundancy	0~2		0
57	High Speed Data Re- dundancy	0~2		0
58	TCF Handling	0 = Local 1= Network		1
61	T.38 RTP Format Pay- load Number	96 ~ 127		100
62	DTMF Level mode	0 = VoIPDB Unit 1 = Main Soft		0
63	DTMF Level High	1 = - 33 dBm : 28 = - 6 dBm		28
64	DTMF Level Low	1 = - 33 dBm : 28 = - 6 dBm		28

Conditions

None

Feature Cross Reference

None

Program

Program 84 : Hardware Setup for VoIPDB 84-20 : SIP Extension Basic Information Setup

Level: <u>IN</u>

Description

timers, called party information and expire value of invite.

Program

84 Input

Input Data

ltem No.	ltem	Input Data	Description	Default
01	Registrar/Proxy Port	1 ~ 65535		5070
02	Session Timer Value	0 ~ 65535		180 seconds
03	Minimum Session Timer Value	0 ~ 65535		180 seconds
04	Called Party Info	0 = Request URI 1 = To Header		0
05	Expire Value of Invite	0 ~ 256 seconds	Arrival of a message is ended when this time expires and there is no cut from the caller.	180 seconds
06	Expire Value of Invite (send)	1 ~ 3600 seconds	The expiration time is set for the Invite message.	180 seconds

Use Program 84-20 : SIP Extension Basic Information Setup to set up proxy information, session

Conditions

None

Feature Cross Reference

Program 84 : Hardware Setup for VoIPDB 84-22 : DR700 Multiline Logon Information Setup

Level: SA

Description

Use **Program 84-22 : DR700 Multiline Logon Information Setup** to set the DR700 Multiline logon information.

Input Data

Personal ID Index		001 ~ 128 (V3.5 Changed)		
ltem No.	ltem	Input Data	Description	Default
01	User ID	Up to 32 characters	Input the User ID when using manual or auto registration (10-46-01).	No Setting
02	Password	Up to 16 characters	Input the Password when using manual or auto registration (10-46-01). Web pro indicates password as * mark. (V3.0 Added)	No Setting
03	User ID Omission	0 = Off 1 = On	Input the Personal ID from terminal auto- matically when log on again.	0
04	Log Off	0 = Off 1 = On	Input the Personal ID from terminal auto- matically when log on again.	1
05	Nick Name	Up to 32 characters	Input the Personal ID from terminal auto- matically when log on again.	No Setting

Conditions

None

Feature Cross Reference

None

Program

Program 84 : Hardware Setup for VoIPDB 84-23 : DR700 Multiline Basic Information Setup

Use Program 84-23 : DR700 Multiline Basic Information Setup to set the basic information for the

Level: IN

Description

DR700 Multiline Terminal.

Program

84

Input Data

ltem No.	ltem	Input Data	Description	Default
01	Registration Expire Timer	60 ~ 65535 seconds	The Expires value of the REGISTER mes- sage which received from DR700 terminal is out of range or when the Expire value is not set up, in case it assigns the effective time to the DR700 terminal. The timer for supervising whether DR700 terminal is connected or not.	180 seconds
02	Subscribe Expire Tim- er	60 ~ 65535 seconds	The subscribe Expire timer to transmit and receive the terminal operation instructions between the Main Device and DR700 terminal.	3600 seconds
03	Session Expire Timer	60 ~ 65535 seconds	Set effective time for supervising the Voice Path.	180 seconds
04	Minimum Session Ex- pire Timer	60 ~ 65535 seconds	Set minimum value of effective time for su- pervising the Voice Path.	180 seconds
05	Invite Expire Timer	60 ~ 65535 seconds	Set effective time for Incoming/Outgoing call when the Expire value is not set in the INVITE message received from DR700 terminal.	180 seconds
06	Signal Type of Serv- ice	0x00 ~ 0xFF (0 ~ 9, A ~ F)	Set Type of Service value which applied to send SIP Message Packet from DR700 terminal to Main Device.	00
07	Error Display Timer	0 ~ 65535 seconds		0
08	Digest Authorization Registration Expire Timer	0 ~ 4294967295 sec- onds		0
09	Temporally Password (V3.5 Deleted)	Read Only: Maximum 16 characters (0 ~ 9, a ~ f, A ~ F)		None
10	Number of Password Retries	0 ~ 255 (0 = No Limit)	Input the number of times an incorrect password can be entered when the security key is pressed.	0
11	Password Lock Time	0 ~ 120 (0 = No Limit)		0
12	Reference Number	Up to 32 digits (0 ~ 9, *, #, P, R, @)		No Setting
13	Media Type of Service	0x00 ~ 0xFF (0 ~ 9, A ~ F)		00

ltem No.	ltem	Input Data	Description	Default
14	Refer Expire Timer	0 ~ 65535 seconds		60 seconds

Conditions

None

Feature Cross Reference

None

Program

Program 84 : Hardware Setup for VoIPDB 84-24 : DR700 Multiline CODEC Basic Information Setup

Level: IN

Description

Program

84

Use **Program 84-24 : DR700 Multiline CODEC Basic Information Setup** to set the codec of each type of DR700 Multiline Telephone.

Input Data

Туре	1 = Type 1 2 = Type 2
	3 = Type 3
	4 = Type 4
	5 = Type 5

ltem No.	ltem	Input Data	Description	Default
01	Number of G.711 Au- dio Frame	1 = 10 ms 2 = 20 ms 3 = 30 ms 4 = 40 ms	Maximum number of G711 Audio Frames. When the voice is encoded using the PCM (Pulse Code Modulation) method, a unit is a frame of 10ms. The Audio frame size setting is only from IP phone to IP phone. When the IP phone communicates to a TDM device it will al- ways use a 20 ms frame size. Softphone (SP310) only supports 20 ms or 40 ms.	2
02	G.711 Silence Detec- tion (VAD) Mode	0 = Disable 1 = Enable	Select whether to compress silence with G.711. When there is silence, the RTP packet is not sent. When VAD is enabled the CPU will stop sending silence packets but the IP phone will continue to transmit silence packets.	0
03	G.711 Type	0 = A-law 1 = µ-law	Set the type of G.711.	1
04	G.711 Jitter Buffer - Minimum	0 ~ 255 ms	Set the minimum value of the G.711 Jitter Buffer.	20
05	G.711 Jitter Buffer - Standard	0 ~ 255 ms	Set the average value of the G.711 Jitter Buffer.	40
06	G.711 Jitter Buffer - Maximum	0 ~ 255 ms	Set the maximum value of the G.711 Jitter Buffer.	80
07	G.729 Audio Frame	1 ~ 4 (1 = 10 ms, 2 = 20 ms, etc.)	Maximum number of G.729 Audio Frames. G.729 assumes the audio signal made by a specimen by 8 kHz and the frame of 10 ms is assumed to be a unit to 8 kbps by the encoding compressed method. The Audio frame size setting is only from IP phone to IP phone. When the IP phone communicates to a TDM device it will al- ways use a 20 ms frame size. Softphone (SP310) only supports 20 ms or 40 ms.	2

ltem No.	ltem	Input Data	Description	Default
08	G.729 Silence Com- pression (VAD) Mode	0 = Disable 1 = Enable	Select whether to compress silence with G.729. When there is silence, the RTP packet is not sent. When VAD is enabled the CPU will stop sending silence packets but the IP phone will continue to transmit silence packets.	0
09	G.729 Jitter Buffer - Minimum	0 ~ 300 ms	Set the minimum value of the Jitter Buffer of G.729 is set. Jitter is the variation in the time between packets arriving and the buf- fer allows this variation to be absorbed.	20
10	G.729 Jitter Buffer - Standard	0 ~ 300 ms	Set the average G.729 Jitter Buffer.	40
11	G.729 Jitter Buffer - Maximum	0 ~ 300 ms	Set the maximum G.729 Jitter Buffer.	80
17	Jitter Buffer Mode Set the mode of the Jitter Buffer.	1 = static 3 = adaptive immediately	 1 = Size set to the fixed amount for the codec. 2 = The minimum/maximum range for the codec is used. 3 = The minimum/maximum range for the codec is used and adjust at any time, regardless of silence. 	3
18	Silence Compression (VAD) Threshold	1 ~ 30 (self-adjustment and - 19 dB ~ + 10dB) 1 = - 19 dB (- 49 dBm) : 20 = 0 dB (- 30 dBm) : 29 = 9 dBm (- 21 dBm) 30 = 10dBm (- 20dBm)	Set the voice level judged to be silence. Change value based .30 This entry is ignored if silence compres- sion is disabled in 84-01-03 with G.711, or 84-01-06 with G.729.	20
28	Priority Codec Setting	0 = G711 PT 2 = G729 PT 3 = G.722 PT	The option selected here determines what other codec options are applied by priority.	0
30	EchoAuto Gain Con- trol	0~5	Define the Auto Gain Control.	0
31	DTMF Payload Num- ber	96 ~ 127		96
32	G.722 Audio Frame	1 = 10 ms 2 = 20 ms 3 = 30 ms 4 = 40 ms	Maximum number of G.722 Audio Frames. G.722 assumes the audio signal made by a specimen by 16kHz and the frame of 10ms is assumed to be a unit to 64kbps by the encoding compressed method. The Audio frame size setting is only from IP phone to IP phone. When the IP phone communicates to a TDM device it will al- ways use a 20 ms frame size.	3
34	G.722 Jitter Buffer - Minimum	0 ~ 255 ms	Set the minimum value of the Jitter Buffer of G.722 is set. Jitter is the variation in the time between packets arriving and the buf- fer allows this variation to be absorbed.	30
35	G.722 Jitter Buffer - Standard	0 ~ 255 ms	Set the average G.722 Jitter Buffer.	60
36	G.722 Jitter Buffer - Maximum	0 ~ 255 ms	Set the maximum G.722 Jitter Buffer.	120
37	RTP Filter	0 = Disable 1 = Enable		1

ltem No.	Item	Input Data	Description	Default
38	DTMF Level mode	0 = Use the Default of VoIPDB Unit 1 = Use the Main Sys- tem		0
39	DTMF Level High	1 = - 33 dBm : 28 = - 6 dBm		28
40	DTMF Level Low	1 = - 33 dBm : 28 = - 6 dBm		28

Program

84

Conditions

None

Feature Cross Reference

Program 84 : Hardware Setup for VoIPDB 84-26 : VoIP Basic Setup (DSP)

Level: IN

Description

Use Program 84-26 : VoIP Basic Setup to set the IP address and the port of VoIP.

Input Data

Slot Number	0	
VoIPDB GW Number		
<i>GW</i> Number will not be shown in Telephone Programming mode.	1	

ltem No.	Item	Input Data	Default
01	IP Address	XXX.XXX.XXX.XXX	172.16.0.20 ~
02	RTP Port Number	0~65534	VoIP GW 1 = 10020~10051
03	RTCP Port Number	RTP Port Number + 1	VoIPDB GW1 = 10021

Conditions

None

Feature Cross Reference

Program 84 : Hardware Setup for VoIPDB 84-27 : VoIP Basic Setup

Level: IN

Description

Program

84

Use Program 84-27 : VoIP Basic Setup to set the DTMF Relay and the SRTP mode of the VoIPDB.

Input Data

Slot Number		0					
ltem No.	Item	Input Data	Description	Default			
01	DTMF Relay Setup	0 = DTMF Relay disa- bled 1 = In-Band DTMF Relay - Do not report to host processor 2 = Out Band Relay - Do not pass tones as voice		2			
02	Setup CODEC Mode	0 = Default 1 = Mode 1 (G.723/ iLBC)	Default means the system uses another CODEC except G.723. Mode 1 means the system uses all CO- DECs, but the limitation of the total num- ber of available DSP will be applied.	0			
03	SRTP Mode Setup	0 = Disable 1 = Enable		0			
04	SRTP Mode Select	0 = Mode1		0			
06	H.245 Port Number	0 ~ 65535		10100			
07	Preparation Comple- tion Response Port Number	0 ~ 65535		4000			
08	DTMF Duration	0 = Use RFC2833 25 ~ 2000 ms		0			
09	09 DTMF Pause 0 = Use RFC2 25 ~ 2000 ms			0			
10	DTMF Twist Positive Level	0 ~ 24 dB		5			
11	DTMF Twist Negative Level	0 ~ 24 dB		0			
12	DTMF Duration	30 ~ 2000 ms		100			
13	DTMF Level	1 ~ 61 (- 36 dB ~ + 24 dB 1 = - 36 dB 2 = - 35 dB : 37 = 0 dB		25 (- 12 dB)			

60 = 23 dB 61 = 24 dB
ltem No.	ltem	Input Data	Description	Default
14	ICMP REDIRECT	0 = Enabled, Voice pack- ets will follow ICMP redi- rect messages. 1 = Disabled, Voice packets will NOT follow the ICMP redirect mes- sage.		1
15	DTMF Detect Mini- mum Duration	23 ~ 2000 ms	This setting is the minimal time setting to distinguish DTMF tones for the IPLB. If the signal is shorter than the value set, the signal is deemed not a DTMF.	30
16	DTMF Detect Mini- mum Level	0: -40dbm 1: -39dbm 2: -38dbm : 31: -9dbm	This setting is the minimal level setting to distinguish DTMF tones. If the signal is shorter than the value set, the signal is deemed not a DTMF.	2 (-38dbm)
17	DTMF Detect Mini- mum S/N Ratio	0: -9db 1: -8db : 6: -3db 7: -2db 8: -1db 9: 0db	This is a frequency ratio setting of the DTMF for the frequency other than the DTMF tone. When this value comes to Odb, the DTMF is distinguished only when the signal level except DTMF is low. In case of wrong DTMF detection by a per- son's voice, there is the possibility that the level except DTMF is large. The system will be able to protect a wrong DTMF de- tection by choosing Odb value or so.	6 (-3db)

Conditions

None

Feature Cross Reference

None

Program

Program 84 : Hardware Setup for VoIPDB 84-28 : DR700 Multiline Firmware Name Setup

Level: <u>IN</u>

Description

Program

84

Use **Program 84-28 : DR700 Multiline Firmware Name Setup** to set the firmware name to download for the IP Phone.

Input Data

Terminal Type	1 ~ 3 = Not used 4 = IP4WW-24TIXH

ltem No.	ltem	Input Data	Default
01	Firmware Directory	Maximum 64 characters	No Setting
02	Firmware File Name	Maximum 30 characters	No Setting

Conditions

None

Feature Cross Reference

Program 84 : Hardware Setup for VoIPDB 84-29 : SIP-MLT CODEC Information Fixed Mode Setup

Level: IN

Description

Use **Program 84-29 : SIP-MLT CODEC Information Fixed Mode Setup** to set the CODEC data of the SIP-MLT when it uses Multicast.

Input Data

	1 = Type 1 (Multicast)
	2 = Type 2 (reserved)
Туре	3 = Type 3 (reserved)
	4 = Type 4 (reserved)
	5 = Type 5 (reserved)

ltem No.	Item	Input Data	Default
01	Audio Capability	1 = G.711 A-law 2 = G.711 μ-law 3 = G.729 5 = G.722	2
02	Number of Audio Frames	1 ~ 4 (V2.0 Changed) 1 = 10 ms (G.711 / G.722 / G.729) 2 = 20 ms (G.711 / G.722 / G.729) 3 = 30 ms (G.711 / G.722 / G.729) 4 = 40 ms (G.711 / G.722 / G.729) 5 = 50 ms (G.729) (V2.0 Deleted) 6 = 60 ms (G.729) (V2.0 Deleted)	2
03	RTP Filter	0 = Disable 1 = Enable	1

Conditions

None

Feature Cross Reference

None

Program

Program 84 : Hardware Setup for VoIPDB 84-31 : VoIPDB Echo Canceller Setup

Level:

Description

Program

84

Use Program 84-31 : VoIPDB Echo Canceller Setup to sets VoIPDB echo canceller value.

Input Data

Туре	1 = H.323 Trunk 2 ~ 6 = Not Used (V1.5 Changed) 7 = Networking (V1.5 Changed) 8 = SIP Trunk Profile 1 (V5.0 Changed) 9 = SIP Extension 10 = Not used 11 = DR700 Type 1 12 = DR700 Type 2 13 = DR700 Type 3 14 = DR700 Type 4 15 = DR700 Type 5 16 = Not used 17 = Reserved (IPG) (V5.0 Added) 18 = SIP Trunk Profile 2 (V5.0 Added)

ltem No.	ltem	Input Data	Description	Default	Related Program
01	TDM Echo Can- celler mode	0 = Disable 1 = Enable	Select echo Canceler on/off at re- ceiving (TDM) side. (V5.0 Added)	1	
02	TDM Echo Can- celler NLP mode(2W)	0 = Disable 1 = Enable 2 = Echo Path Mode 3 = Echo Path Auto De- tect Mode	Select Echo Compression Mode for remaining echo. Effective when PRG 84-31-01 = 1 (V5.0 Added)	1	
03	TDM Echo Can- celler Com- fortNoise mode (V2.0 Added)	0 = Disable 1 = Enable	Normally not used. Select comfort noise as background noise. (V5.0 Changed) Effective when PRG 84-31-01 = 1	1	84-31-01
04	TDM Echo Can- celler NLP Threshold	0 ~ 15		12	
05	TDM Echo Can- celler Tail Dis- placement (V2.0 Added)	0 ~ 89 (0 ms ~ 890 ms)	Normally not used. (V5.0 Changed) Effective when PRG 84-31-01 = 1	0	84-31-01
06	TDM Echo can- celler tail length (V2.0 Added)	1 = 32 ms 2 = 48 ms 3 = 64 ms 4 = 80 ms 5 = 96 ms 6 = 112 ms 7 = 128 ms	Normally not used. (V5.0 Changed) Select length of echo. Effective when PRG 84-31-01 = 1	7	84-31-01

ltem No.	ltem	Input Data	Description	Default	Related Program
07	TDM Echo Can- celler Default ERL Level (V2.0 Added)	$0 \sim 6 (-9 dB \sim +9 dB)$ 0 = -9 dB 1 = -6 dB 2 = -3 dB : 5 = 6 dB c = 0 dB	Normally not used. (V5.0 Changed) Select length of echo. Effective when PRG 84-31-01 = 1	5	84-31-01
00	TDM Fake Car	6 = 9 dB		4	
08	celler Echo Type (V5.0 Added)	ler 2 = Acoustic Echo Can- celler	1: Based upon ITU-T G.168 2: Based upon ITU-T G.167 Effective when PRG 84-31-01 = 1	1	
09	TDM Max ERLE (V5.0 Added)	0 ~ 10 (24 dB ~ 54 dB) 0 = 24 dB 1 = 27 dB		2 (30 dB)	
		9 = 51 dB 10 = 54 dB			
10	TDM TX Level Control (V5.0 Added)	0 = Disable 1 = TX Control Mode 2 = TX Automatic Level Control Mode 3 = TX HLC (high Lev- el)	Select transmit level control mode.	3	
11	TDM TX Voice Level Control Mode (V5.0 Add- ed)	0 ~ 16 (-24 dB ~ +24 dB) 0 = -24 dB 1 = -21 dB : 8 = 0 dB	Effective when PRG 84-31-10 = 1	8	
		: 15 = 21 dB 16 = 24 dB			
12	TDM TX Auto- matic Level Con- trol Level (V5.0 Added)	0 ~ 12 (-42 dBm ~ -6 dBm) 0 = -42 dBm 1 = -39 dBm : 7 = -21 dBm : 11 = -9 dBm 12 = -6 dBm	Normally not used. Select target gain. Effective when PRG 84-31-10 = 2	7	
13	TDM TX HLC Threshold (V5.0 Added)	0 ~ 42 (-42 dBm ~ 0 dBm) 0 = -42 dBm 1 = -41 dBm : 41 = -1 dBm 42 = 0 dBm	Select HLC threshold level. Effective when PRG 84-31-10 = 3	41	
14	TDM TX Gain Compression Mode (V5.0 Add- ed)	0 = Disable 1 = Enable	Transmit Gain Compression on or off. Effective when PRG 84-31-10 = 3	1	
15	TDM TX Gain Compression Threshold (V5.0 Added)	0 ~ 42 (-42 dBm ~ 0 dBm) 0 = -42 dBm 1 = -41 dBm : 41 = -1 dBm 42 = 0 dBm	Transmit Gain Compression thresh- old. Effective when PRG 84-31-14 = 1	41	
16	TDM RX Level Control (V5.0 Added)	0 = Disable 1 = RX Level Control Mode 2 = RX Automatic Level Control Flag	Normally not used. Select receive level control mode.	0	

ltem No.	Item	Input Data	Description	Default	Related Program
17	TDM RX Level Control Level (V5.0 Added)	0 ~ 16 (-24 dB ~ +24 dB) 0 = -24 dB 1 = -21 dB : 8 = 0 dB : 15 = 21 dB 16 = 24 dB	Normally not used. Select receive voice level. Effective when PRG 84-31-16 = 1	8	
18	TDM RX Auto- matic Level Con- trol Level (V5.0 Added)	0 ~ 12 (-42 dBm ~ -6 dBm) 0 = -42 dBm 1 = -39 dBm : 7 = -21 dBm : 11 = -9 dBm 12 = -6 dBm	Normally not used. Select target gain. Effective when PRG 84-31-16 = 2	7	
19	RTP Echo Can- celler mode	0 = Disable 1 = Enable		0	
20	RTP Echo Can- celler NLP mode	0 = Disable 1 = Enable		0	
21	RTP Echo Can- celler Com- fortNoise mode (V2.0 Added)	0 = Disable 1 = Enable	Do not change the setting unless asked to change by engineer. (V5.0 Deleted) Select comfort noise as background noise on or off. (V5.0 Deleted) Effective when PRG 84-31-19 = 1 (V5.0 Deleted)	1	84-31-19
22	RTP Echo Can- celler NLP Threshold	0~15		12	
23	RTP Echo Can- celler Tail Dis- placement (V2.0 Added)	0 ~ 89 (0 ms ~ 890 ms)	Do not change the setting unless asked to change by engineer. (V5.0 Deleted) Effective when PRG 84-31-19 = 1 (V5.0 Deleted)	0	84-31-19
24	RTP Echo Can- celler Tail Length (V2.0 Added)	1 = 32 ms 2 = 48 ms 3 = 64 ms 4 = 80 ms 5 = 96 ms 6 = 112 ms 7 = 128 ms	Do not change the setting unless asked to change by engineer. (V5.0 Deleted) Select length of echo. (V5.0 De- leted) Effective when PRG 84-31-19 = 1 (V5.0 Deleted)	7	84-31-19
25	RTP Echo Can- celler Default ERL Level (V2.0 Added)	0 ~ 6 (- 9 dB ~ + 9 dB) 0 = - 9 dB 1 = - 6 dB 2 = - 3 dB : 5 = 6 dB 6 = 9 dB	Do not change the setting unless asked to change by engineer. (V5.0 Deleted) Select length of echo. (V5.0 De- leted) Effective when PRG 84-31-19 = 1 (V5.0 Deleted)	5	84-31-19
26	RTP Echo Can- celler Echo Type	0 = Disable 1 = Line Echo Cancel- ler 2 = Acoustic Echo Can- celler	Select echo canceler type: (V5.0 Added) 1: Based upon ITU-T G.168 (V5.0 Added) 2: Based upon ITU-T G.167 (V5.0 Added)	0	
27	RTP Max ERLE (V2.0 Added)	0 ~ 10 (24 dB ~ 54 dB) 0 = 24 dB 1 = 27 dB : 9 = 51 dB 10 = 54 dB	Do not change the setting unless asked to change by engineer. (V5.0 Deleted) Select maximum echo return loss level. (V5.0 Deleted) Effective when PRG 84-31-19 = 1 (V5.0 Deleted)	2	84-31-19

ltem No.	ltem	Input Data	Description	Default	Related Program
28	RTP Tx Level Control	0 = Disable 1 = Tx Level Control mode (V5.0 Changed) 2 = Tx Automatic Level Control mode (V5.0 Changed) 3 = HLC		Type 1, Type 7 ~ 8 = 3 (V1.5 Changed) Type 9, 11~15 = 0 Type 18 = 3 (V5.0 Added)	
29	RTP Tx Level Control Level	0 ~ 16 (- 24 ~ 24 dB) 0 = - 24 dB 1 = - 21 dB 2 = - 18 dB : 8 = 0 dB : 14 = 18 dB 15 = 21 dB 16 = 24 dB		8	
30	RTP Tx Automa- ticLevelControl Level (V2.0 Add- ed)	0 ~ 12 (- 42 dbm ~ - 6 dbm) 0 = - 42 dBm 1 = - 39 dBm : 7 = - 21 dBm : 11 = - 9 dBm 12 = - 6 dBm	Do not change the setting unless asked to change by engineer. (V5.0 Deleted) Select target gain. (V5.0 Deleted) Effective when PRG 84-31-28 = 2 (V5.0 Deleted)	7	84-31-28
31	RTP Tx HLC Threshold	0 ~ 42 (- 42 dBm ~ 0 dBm) 0 = - 42 dBm 1 = - 41 dBm : 42 = 0 dBm		Type 1, Type 7 ~ 8 = 36 (V1.5 Changed) Type 9, 11~15 = 42 Type 18 = 36 (V5.0 Added)	
32	RTP Tx Gain Compression mode	0 = Disable 1 = Enable		Type 1, Type 7 ~ 8 = 1 (V1.5 Changed) Type 9, 11~15 = 0 Type 18 = 1 (V5.0 Added)	
33	RTP Tx Gain Compression Threshold	0 ~ 42 (- 42 dBm ~ 0 dBm) 0 = - 42 dBm 1 = - 41 dBm : 42 = 0 dBm		Type 1, Type 7 ~ 8 = 36 (V1.5 Changed) Type 9, 11~15 = 42 Type 18 = 36 (V5.0 Added)	
34	RTP Rx Level Control (V2.0 Added)	0 = Disable 1 = RX Level Control Mode 2 = RX Automatic Level Control Flag	Do not change the setting unless asked to change by engineer. (V5.0 Deleted) Select receive level control mode. (V5.0 Deleted)	0	
35	RTP Rx Level- Control Level (V2.0 Added)	0 ~ 16 (- 24 dB ~ + 24 dB) 0 = - 24 dB 1 = - 21 dB : 8 = 0 dB : 15 = 21 dB 16 = 24 dB	Do not change the setting unless asked to change by engineer. (V5.0 Deleted) Select receive voice level. (V5.0 De- leted) Effective when PRG 84-31-34 = 1 (V5.0 Deleted)	8	84-31-34

ltem No.	ltem	Input Data	Description	Default	Related Program
36	RTP Rx Automa- ticLevelControl Level (V2.0 Add- ed)	0 ~ 12 (- 42 dBm ~ - 6 dBm) 0 = - 42 dBm 1 = - 39 dBm : 7 = - 21 dBm : 11 = - 9 dBm 12 = - 6 dBm	Do not change the setting unless asked to change by engineer. (V5.0 Deleted) Select target gain. (V5.0 Deleted) Effective when PRG 84-31-34 = 2 (V5.0 Deleted)	7	84-31-34
37	TDM Echo Can- celler NLP mode (4W)	0 = Disable 1 = Enable 2 = Echo Path Mode 3 = Echo Path Auto De- tect Mode	Select Echo Compression Mode for remaining echo. (V5.0 Added) Effective when PRG 84-31-19 = 1 (V5.0 Added)	1	

84 Conditions

None

Feature Cross Reference

Program 84 : Hardware Setup for VoIPDB 84-32 : FAX Over IP CODEC Setup

Level: IN

(This Program is available for V4.0 or higher)

Description

Use **Program 84-32 : FAX Over IP CODEC Setup** to program the CODECs used when faxing across SIP Trunk. Note these settings must match in both systems for faxing across SIP Trunk to work.

Input Data

Туре	1 = Reserved
(V5.0 Added)	2 = SIP Trunk Profile 1 3 = SIP Trunk Profile 2
	4 – Reserveu

ltem No.	Item	Input Data	Description	Default
01	FAX CODEC	1 = G.711 a-law $2 = G.711 u-law$ $3 = G.726$ (SIP Profile:1-2) (V5.0 Added) $(SIP Profile:1-2) (V5.0 \text{ Added})$	Set up FAX over IP CODEC.	2
02	Payload Size	1 ~ 4 (10 ms base) (SIP Profile:1-2) (V5.0 Added)	Set up payload size when using SIP Trunk.	2
03	Jitter Buffer Mode	1 = Static 2 = Self adjusting (SIP Profile:1-2) (V5.0 Added)	Set up Jitter Buffer settings when using SIP Trunk.	1
04	Jitter Buffer (min)	0 ~ 300 (SIP Profile:1-2) (V5.0 Added)	Set up minimum Jitter Buffer settings when using SIP Trunk.	20
05	Jitter Buffer (average)	0 ~ 300 (SIP Profile:1-2) (V5.0 Added)	Set up average Jitter Buffer settings when using SIP Trunk.	40
06	Jitter Buffer (max)	0 ~ 300 (SIP Profile:1-2) (V5.0 Added)	Set up maximum Jitter Buffer settings when using SIP Trunk.	80

Program

ltem No.	ltem	Input Data	Description	Default
07	RTP Payload Type	0, 2, 8, 96 ~ 127 (SIP Profile:1-2) (V5.0 Added)	Set up RTP Payload type when settings when using SIP Trunk. This setting should be used as default.	103

84

Program

Conditions

None

Feature Cross Reference

Voice Over Internet Protocol (VoIP)

Program 84 : Hardware Setup for VoIPDB 84-39 : SIP Trunk message customize

1~2

Level: IN

(This Program is available for V4.0 or higher)

Description

This program is not available for Web Programming or Telephone Programming. You can only change setting using Script Function of PC Programming.

Use Program 84-39 : SIP Trunk message customize to check the Message customize.

Input Data

Profile (V5.0 Added)

ltem No.	Item	Input Data	Default
01	Option 1	0 ~ 255	0
:	:	:	:
99	Option 99	0 ~ 255	0



There are Items from 01 to 99. This chart only shows the beginning and end but Default, Input Data they are all same.

Conditions

None

Feature Cross Reference

None

8

Program

Program 90 : Maintenance Program 90-01 : Installation Date

Level: IN

Description

Program

90

Input Data

ltem No.	Item	Input Data	Default
01	Year	00 ~ 99	00 (No Setting)
02	Month	01 ~ 12	00 (No Setting)
03	Day	01 ~ 31	00 (No Setting)

Use Program 90-01 : Installation Date to define the installation date of the system.

Conditions

None

Feature Cross Reference

Program 90 : Maintenance Program 90-02 : Programming Password Setup

Level: IN

Description

Use **Program 90-02 : Programming Password Setup** to set the system passwords. For password entry, the system allows eight users to be defined. Each user can have a:

- Unique alphanumeric name (up to 10 alphanumeric characters)
- Password entry of up to eight digits (using 0 ~ 9, # and *)
- Password level

The IN level password is used by the System Installer for system programming. The SA or SB level password cannot access the IN level programs. The reverse type (white on black) just beneath the Description heading is the program access level. You can only use the program if your access level meets or exceeds the level the program requires. (SA level password can access to SA or SB programs, and SB level password can access to SB programs only.)

It is <u>NOT</u> recommended to change these data. If you must change these Data make sure you keep the ID/Password or you will never be able to enter the program unless you clear all the System Data/Setting.

nput D	ata			
	User Number		1~8	
ltem No.	Item		Input Data	Default
01	User Name	Maxim	um 10 characters	Refer below
02	Password	Up to a	eight digits	Refer below
03	User Level	0 = Pro 2 = IN 3 = SA 4 = SE 5 = UA Level	ohibited User (Installer Level) (System Administrator Level 1) (System Administrator Level 2) (User Programming Administer Mode 1)	Refer below

Input Data

Default

User No.	User Name	Password	Level	Level Description
1	necam	****	1 (MF)	Manufacture Level - Access to all system program
2	sltech	12345678	2 (IN)	Installer Level - Access to all IN level pro- grams.
3	ADMIN1	0000	3 (SA)	System Administrator Level 1 - Restricted Access
4	ADMIN2	9999	4 (SB)	System Administrator Level 2 - More Re- stricted Access

User No.	User Name	Password	Level	Level Description
5	USER1	1111	5 (UA)	User Programming Administer Mode Lev- el 1

Conditions

• More than one extension can be in the programming mode.



Feature Cross Reference



Program 90 : Maintenance Program 90-03 : Save Data

Level: SA

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 90-03 : Save Data** to save the programmed data on the CF Card. This program should be used after changing the programmed data.

90

Input Data

ltem No.	Item	Input Data	Default
01	Save Data	Dial 1 + press Hold (Press Hold only to cancel.)	-

Conditions

- Before Uploading Customer Database please make sure you reset the system either by using 90-08 or Power down/up the system.
- When installing a compact flash card onto the PZ-VM21 the system MUST be powered off. Never install or uninstall the compact flash card while the system is under power.

Feature Cross Reference

Program 90 : Maintenance Program 90-04 : Load Data

Level:

<u>SA</u>

Description

Program

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 90-04 : Load Data** to load the system data from the inserted CF Card into the PZ-VM21 Daughter Board installed to the system.

Input Data

ltem No.	Item	Input Data	Default
01	Load Data	Dial 1 + press Hold (Press Hold only to cancel.)	-

Conditions

- After uploading the data the display will change to a next Program. Then make sure you <u>EXIT</u> the
 Program order for upload to complete. Now some of the setting needs to have system reset order
 for setting to be effective (example: IP Address, Line Key Assignment) so we <u>Recommend</u> to reset
 the system.
- When installing a compact flash card onto the PZ-VM21 the system MUST be powered off. Never install or uninstall the compact flash card while the system is under power.

Feature Cross Reference

Program 90 : Maintenance Program 90-05 : Slot Control

Level:

Description

Note: This program is available via telephone programming and WebPro not through PC Programming.

Use Program 90-05 : Slot Control to reset or delete (uninstall) units (slots 0 ~ 15 (V3.5 or higher)).

Delete allows you to completely uninstall the unit. You should do this if you want to remove a unit and plug it into a different slot and still retain the port assignments. If a different type of interface unit is being installed in a slot previously used, the slot should be deleted (option 1) first before installing the new interface unit.

Reset allows you to send a reset code.

Input Data

Menu Number	1 = Delete 2 = Reset 3 = Set Busy Out 4 = Reset Busy Out

Item No.	Item	Input Data	Default
01	Slot Control	Slot Number 0 ~ 15 (V3.5 Changed)	-

Conditions

- When you delete or reset a unit, you must first remove it from its slot then run Program 90-05. When reusing the slot for another unit, you must plug the unit in or reset the system before the system can use the slot again.
- When you delete or reset a unit, all related programming in Program 10-03-01 is set back to default.

Feature Cross Reference

None

Program

Program 90 : Maintenance Program 90-06 : Trunk Control

Level:

<u>SA</u>

Description

Program

90

Use **Program 90-06 : Trunk Control** for trunk maintenance. Busy Out lets you block a unit from placing outgoing calls (just like placing the unit switch down). Once busied out, none of the ports on the unit can be used for new calls. Existing calls, however, are not torn down.

Input Data

Menu Number	0 = Set Busy Out 1 = Reset Busy Out (idle)
-------------	---

ltem No.	ltem	Input Data	Default
01	Trunk Control	Trunk Port Number : 001 ~ 084	1

Conditions

None

Feature Cross Reference

Program 90 : Maintenance Program 90-07 : Station Control

Level: SA

Description

Note: This program is available via telephone programming and WebPro not through PC Programming.

Use Program 90-07 : Station Control for extension maintenance.

Input Data

Menu Number	1 = Hardware Reset 2 = Software Reset

ltem No.	Item	Input Data	Default
01	Extension Control	Extension Number (up to eight digits)	-

Conditions

None

Feature Cross Reference

None

Program

Program 90 : Maintenance Program 90-08 : System Reset

programming and not through PC Programming.

Level: IN

Program

90

Description
Note: This program is available only via telephone
Use Program 90-08 : System Reset to perform a
Input Data

ltem No.	Item	Input Data	Default
01	System Reset	Dial 1 + press Hold (Press Hold key only to cancel.)	-

system reset.

Conditions

• Some of changes made to a program may need to reset the system order for the change to be effective.

Feature Cross Reference

Program 90 : Maintenance Program 90-09 : Automatic System Reset Time Setup

Level: <u>IN</u>

Description

Use **Program 90-09 : Automatic System Reset Time Setup** to define the time for the system to automatically reset.

Input Data

ltem No.	Item	Input Data	Default
01	Month	00 ~ 12 If the Month is set to 00 and Day is set, the sys- tem is automatically reset every month on the predefined day.	00
02	Day	00 ~ 31 If the Day is set to 00 and the Time (Hour and Minute) is set, the system automatically resets every day at the predefined time.	00
03	Hour	00 ~ 23	00
04	Minute	00 ~ 59	00

Conditions

None

Feature Cross Reference

Program 90 : Maintenance Program 90-10 : System Alarm Setup

Level: IN

Description

Program

90

Use **Program 90-10 : System Alarm Setup** to assign a status to system alarms. You can designate an alarm as Major or Minor. This program also assigns whether or not the alarm information is reported to the pre-defined destination.

Input Data

Alarm Number	001 ~ 100				

ltem No.	ltem	Input Data	Default
01	Alarm Type	0 = Not Set 1 = Major Alarm 2 = Minor Alarm	-
02	Report	0 = Not Report (No autodial) 1 = Report (autodial)	-

Table 2-18 Description of Alarm

Alarm No.	Туре	Re- port	Name	Content of Alarm		Cause		Action	Recovery	Alarm Status
1	2	0	PKG Initi- alize Er- ror.	 The PKG failed to ini- tialize. The PKG did not start normally. 	1. 2. 3.	PKG not inser- ted firmly. PKG was re- moved, but not reinserted firmly. Old PKG data still reported due to no initi- alization.	1. 2. 3.	Insert PKG firmly. Insert PKG firmly. Delete slot in- formation in Program 90-05 and in- sert the PKG again.	During initiali- zation, the PKG is rec- ognized.	ERR REC
2	2	0	PKG Mounting Error	The unit did not step on a regu- lar procedure and it was pulled out. Or, it is not nor- mally inserted.	1.	The package is not com- pletely inser- ted. The package is out of order.	 1. 2. 3. 	Please insert the package firmly. Please try again after ini- tializing the system data once when LED doesn't blink normally. Exchange packages.	When unit is reconfirmed, the error is recovered.	ERR REC

Alarm No.	Туре	Re- port	Name	Content of Alarm		Cause		Action	Recovery	Alarm Status
3	2	0	Connec- tion fault between CPU and other PKGs.	The error occur- red when com- municating with the package. When the pack- age is broken, it recognizes it as a communica- tion fault.	 1. 2. 3. 4. 5. 	The unit is not completely in- serted. The power- supply voltage of the system is outside rat- ings. The equip- ment that gen- erates the noise in the same power supply system as the power supply origin of the system is connected, and it malfunc- tions because of the power supply noise. The equip- ment to which it is adjacent to of a main device, and has put out the radiation noise exists, and it malfunc- tions because of the radia- tion noise. The chassis is not properly grounded.	 1. 2. 3. 4. 5. 	Please insert the unit firmly. The power- supply voltage must use an- other power supply when is in the range of ratings or measuring with the volt- meter, and de- viating from the rated range. Please use the power supply besides the equipment with the possi- bility of the noise source. Please sepa- rate as much as possible and use a main device from the equipment by which you seem may generate the radiation noise. Please ground the chassis correctly.	When unit is confirmed, the error is recovered.	ERR REC
4	2	0	PKG S/W Download Error	The unit pro- gram could not be downloaded normally. The unit could not able to be started normally.	1.	The package software is not stored in the downloaded USB memory. The stored package soft- ware is illegal. Package infor- mation that was installed before re- mains.	1. 2. 3.	Delete slot in- formation that corresponds by Program 90-05-01 to delete pack- age informa- tion that was installed be- fore. There is a possibility that the unit pro- gram is broken though an ex- ternal factor of the noise etc. is thought. Please load in- to the USB memory and try again when you back up the unit pro- gram. Please Check with maker on uncertain points.	Please ex- change units, though it is likely to re- store by mounting the unit again. When the unit program is normally downloaded, the error is recovered.	ERR REC

A	larm No.	Туре	Re- port	Name	Content of Alarm	Cause	Action	Recovery	Alarm Status
	6	0	0	Blocking	The link of ter- minals connec- ted with the ESI package came off.	 Terminal Breakdown. Faulty wiring and wiring ter- mination. External noise. ESI package Breakdown. 	Confirm the termi- nal connected with same ESI. If they work normally, con- firm the breakdown or the wiring for the terminal. Exchange the ter- minal that doesn't work and the work- ing terminal, and confirm it's work- ing. An external factor of the noise etc. is thought. Please reconfirm wiring and the in- stallation, etc. Please inquire of the manufacturer when the problem occurs after it con- firms it.	The error is recovered when con- necting or ex- changing it.	ERR REC
	8	1	0	RAM Backup Battery Error	RAM backup battery on the CPU unit is un- plugged or de- fective.		Check the battery connector. If it is connected correct- ly, replace the bat- tery.	The error is recovered once the bat- tery is re- placed.	ERR REC
	10	0	0	ISDN Link Error	Layer1 link of ISDN lines came off.	 Check Connection between main device and ISDN line. DSU Breakdown. The setting of Program 10-03 does not correspond to an actual line. 	 Confirm the data of Pro- gram 10-03. Confirm wiring and the instal- lation of DSU. Check with the manufacturer if the problem occurs again. 	When the connection returns nor- mally, the er- ror is recov- ered.	ERR REC
	11	0	0	CTI Link Error	The link with the CTI server came off.	 LAN cable defective. Connected HUB broken. The CTI server doesn't start normally. 	 Confirm the CTI server, wiring, and the connection. Check the manufacturer if the problem occurs again. 	When the connection returns nor- mally, the er- ror is recov- ered.	ERR REC
	14	0	0	LAN Link Error	The link with LAN on CPU came off.	 LAN cable defective. Connected HUB broken. Defective CPU. 	Confirm the opera- tion of LAN con- nector, LAN cable, and HUB again.	When the connection returns nor- mally, the er- ror is recov- ered.	ERR REC
	15	0	0	Network Keep Alive (V1.5 Added)	 The net- work con- nection has been cut. Network Keep Alive restoration. Response notification on network Keep Alive. 	 LAN cable is defective. Net side trou- ble. Packet blocked by firewall. Repetition of IP address. 	 Confirm that the defect is on the Net- work side. Confirm the settings of HUB and the router, etc. 	When the connection returns nor- mally, the er- ror is recov- ered.	ERR REC WAR

Alarm No.	Туре	Re- port	Name	Content of Alarm	Cause	Action	Recovery	Alarm Status
17	1	0	Denial of service	The system re- ceived illegal packet.	Service outage (Dos attack)	Confirm whether to find abnormality on the net side.		WAR
18	1	0	Connec- tion Error	Digital Station Wiring Error	The wiring connec- tion between the Multiline terminal and the system has an issue.	Check all wiring in between the Multi- line terminal and the digital station card.		MAJ
30	2	0	SMDR Buffer full	The temporary buffer for SMDR in main device overflowed, and a part of output SMDR data dis- appeared be- cause it could not output SMDR data.	 Problem of wiring to con- nect main de- vice with PC. PC Problem. 	 Confirm whether there is problem in wiring to con- nect a main device with PC. Execute the reactivation of PC. 	When the output is re- started, the error is recov- ered. However, the SMDR data after the error occurs is not recorded.	ERR REC
31	1	0	Security Sensor detected	Sensor detected abnormality.	Sensor detected abnormality.	Especially, any- thing need not be done.		INF
32	1	0	Automatic Transmis- sion from Remote Surveil- lance	Remote watch function did auto dialing.	Remote watch function did auto dialing.	Especially, any- thing need not be done.		INF
50	1	0	System Start Noti- fication	The system started.	The system was started.	No action needed.		
51	0	0	System Data change	CPU Upgrade is performed or Programming change is made.		No action needed.		
54	2	0	License Manage- ment Ta- ble Full	 A new TCP/IP terminal and the DSP board were not able to be added to the ap- plication license management ta- ble. The license management table is regis- tering full. 	Maximum 512 li- cense information on the TCP/IP ter- minal is registered, and a new terminal cannot be regis- tered.	Please delete li- cense information on an unnecessary TCP/IP terminal with Program 90-44.		WAR
55	2	0	Regular mainte- nance ex- change notifica- tion.	The regular maintenance exchange day has passed.	The regular maintenance ex- change day that had been set with Program 90-51 exceeded it.	Please do the maintenance ex- changes of perti- nent parts, and set the next regular maintenance ex- change day with Program 90-51.	The excess on the regular maintenance exchange day is can- celed by changing Program 90-51 or when the function is in- validated, the error is recov- ered.	ERR REC

Alarm No.	Туре	Re- port	Name	Content of Alarm	Cause	Action	Recovery	Alarm Status
57	2	0	IP Colli- sion error	Check the IP Address colli- sion (CPU, VOIPDB, Pro- gram 84-26-01 GW : 1 ~ 8).	Collision IP Ad- dress in the net- work.	Check the IP Ad- dress in the net- work.	Recover the IP Address collision.	WAR
59	2	0	Network- ing port limit ex- ceeded (V1.5 Added)	Total number of ports exceeded the limit of 168 ports in the net- work.	 New extension or trunk ports are added. A new system is added in Pro- gram 10-27-01. A new system is connected to the network. EXIFU is con- nected. 	Reduce extensions or trunks not to ex- ceed 168 ports in the network.	When the to- tal number of ports be- comes 168 or less, the error is recoverd.	ERR
60	2	0	SIP Reg- istration Error No- tification.	 The registration of the SIP trunk to the SIP server failed. The registration of the SIP server failed in the SIP trunk to the SIP server failed in the authentication. There is no response from the SIP server to the SIP registration request. 	 The setting of the system da- ta is wrong. The setting of the router is wrong. It is an error to the link of LAN. Net side trou- ble. 	 Confirm the following sys- tem data set- ting Pro- grams 10-12, 10-28, 10-29, 10-30, and 10-36. Confirm the setting of rout- ers. Confirm whether ab- normality oc- curs on the net side. Confirm the authentication system data setting. Confirm wiring and the sys- tem data set- ting. Please in- quire on un- certain points of the maker. 	The error is recovered when normal- ly connecting it.	ERR REC
61	0	0	SIP ex- tension trouble in- formation.	 Failed reg- istration of the SIP ex- tension ter- minal. The SIP ex- tension ter- minal was not ac- quired: At Regist of the SIP exten- sion terminal to SL1100. When you cannot ac- quire the DSP resource when it sent. 	 The registered port is used by other exten- sion. The license is insufficient. DSP of VoIPDB not acquired. 	 Confirm wiring and the sys- tem data set- ting. Confirm whether each equipment such as ac- cess points works normal- ly. 		ERR REC

90

Alarm No.	Туре	Re- port	Name	Content of Alarm	Cause	Action	Recovery	Alarm Status
63	0	0	SIP-MLT trouble in- formation.	 The trouble occurred by the SIP- MLT rela- tion. The DSP resource could not be acquired at incom- ing/outgo- ing. The nego- tiation with VoIPDB failed. 	 The packet loss occurred on the network or the wiring cutting occur- red. DSP of VoIPDB not acquired. 	Confirm whether each equipment such as wirings and HUB is nor- mal.		WAR
64	1	0	VoIPDB LAN Link Error.	The link of LAN of VoIPDB came off.	 LAN cable is defective. Connected HUB broken. Defect CPU. 	 Confirm LAN connector and wiring. Check with maker on un- certain points. 	When the connection returns nor- mally, the er- ror is recov- ered.	ERR REC
65	0	0	VOIPDB trouble in- formation.	When DSP of VoIPDB notifies Error.	VoIPDB. Defective.	 Possibility of defective hard- ware. Check with maker on un- certain points. 		WAR
66	2	0	SIP ex- tension License Error.	More than the number of licen- ses to which the SIP extension terminal was turned on at REGISTER.	 Wrong number of licenses. 	 Confirm the number of li- censes for SIP extension ter- minals. Check with maker on un- certain points. 	When the number of registration of SIP extension terminals falls below the number of li- censes.	WAR
67	0	0	SIP illegal Packet received	The system re- ceived illegal packet.	A client or network was illegal state.	Check with maker on uncertain point, when happening frequently when operating it.		INF
68	2	0	VoIPDB DSP All Busy Alarm	 Provides alert when all DSP re- sources are being used. Used to trouble- shoot or alerting when up- grade is needed. 	Not enough DSP resources in sys- tem.	Install VMDB with more DSP resour- ces.		
76	0	0	SIP Op- tion Keep Alive (V4.0 Added)	No Response from SIP Option Keep Alive	Network Error or Set the wrong IP Address of Sender.	Check PRG 10-23-02, PRG 10-29-03, 06.		

Conditions

• The entire terminal that has an Alarm Display setting can be set at Program 90-50-01.

- System Alarm Type is shown despite the setting done at 90-10-01. If multiple Alarm Display Setting is set, only one highest priority alarm will be shown on a LCD Display.
- The priority level (highest -> lowest) : Alarm 55 > Alarm 7 > Alarm 5 > Alarm 30 > Alarm 8 > Alarm 52> Alarm 29 > Free Demo License Period.

Feature Cross Reference

None

Program

Program 90 : Maintenance Program 90-11 : Alarm Report SMTP Setting

Level:

Description

Use Program 90-11 : Alarm Report SMTP Setting to define the details of the system alarm report.

Input Data

ltem No.	Item	Input Data	Description	Default	Related Program
02	Report Method	0 = No Report 1 = E-mail Address	When alarm reports are e-mailed, set this option to 1. E-mail address set in 90-11-08.	0	
06	SMTP Host Name	Up to 255 Characters	When alarm reports are e-mailed, set the SMTP name (ex : smtp.your- isp.com). Contact your ISP (internet service provider) for the correct en- try if needed.	No Setting	
07	SMTP Host Port Number	0 ~ 65535	When alarm reports are e-mailed, set the SMTP host port number. Contact your ISP (internet service provider) for the correct entry if nee- ded.	25	
08	To E-mail Ad- dress	Up to 255 Characters	When alarm reports are e-mailed, set this e-mail address to which the report should be sent.	No Setting	
09	Reply Address	Up to 255 Characters	When alarm reports are e-mailed, set the e-mail address where replies should be e-mailed.	No Setting	
10	From Address	Up to 255 Characters	When alarm reports are e-mailed, set this e-mail address for the sta- tion sending the report.	No Setting	
11	DNS Primary Ad- dress	0.0.0.0 ~ 255.255.255.255	When alarm reports are e-mailed, set the DNS primary address.	0.0.0.0	
12	DNS Secondary Address	0.0.0.0 ~ 255.255.255.255	When alarm reports are e-mailed, set the DNS secondary address.	0.0.0.0	
13	Customer Name	Up to 255 Characters	When alarm reports are e-mailed, enter a name to identify the particu- lar system.	No Setting	
14	Use Standard SMTP Settings (V2.0 Added)	0 = No 1 = Yes	In case of YES uses a PRG47-18 SMTP client.(MEMDB/CF mounting is required.) To Address (PRG 90-11-08), CC Mail Address (PRG 90-25-01) Up to 48 characters. In case of No uses a PRG 90-11 SMTP client.	0	90-11-08 90-25-01 47-18 90-11

Program

ltem No.	ltem	Input Data	Description	Default	Related Program
15	DIMLOG Notifica- tion (V2.0 Added)	0 = No 1 = Yes	PRG 90-11-14=YES (PRG 47-18 SMTP Client uses) and CF mount are necessary. In the case of System Fault, Dim- last.gz and Dimdump.gz are noti- fied.	0	90-11-14

Conditions

Program

90

Feature Cross Reference

None

Program 90 : Maintenance Program 90-12 : System Alarm Output

Level: <u>IN</u>

Description

Use **Program 90-12 : System Alarm Output** to set the options for the alarm report. This program has six separate menu options. Define the output port to be used as the output for system alarm report and set the system alarm options. The system can have up to 50 reports.

Input Data

ltem No.	ltem	Input Data	Description	Default
01	Output Port Type	0 = No Setting 5 = Compact Flash	Indicate the type of connection used for the System Alarms.	0

Conditions

None

Feature Cross Reference

None

Program

Program 90 : Maintenance Program 90-13 : System Information Output

Level: IN

Description

information output.

Program

Use **Program 90-13 : System Information Output** to define the output port to be used as the system

90

Input Data

ltem No.	ltem	Input Data	Description	Default
01	Output Port Type	0 = No Setting 5 = Compact Flash	Indicate the type of connection used to print the system information.	0
05	Output Command	Dial 1 + press Hold (Press Hold only to can- cel.)	<i>This program only be able to access by Telephone programming.</i>	-

Conditions

None

Feature Cross Reference

Program 90 : Maintenance Program 90-16 : Main Software Information

Level: IN

Description

Use **Program 90-16 : Main Software Information** to display the main software information on the CPU.

Input Data

ltem No.	Item	Input Data	Default
01	Version Number	Read Only: 01.00 ~ 99.99	ASCII Code (5 Bytes)
02	Software Release Date	Read Only: May 22 2002 17 : 53 : 46	ASCII Code (20 Bytes)

Conditions

None

Feature Cross Reference

None

Program

Program 90 : Maintenance Program 90-17 : Firmware Information

Level:

Description

Program

Use **Program 90-17 : Firmware Information** to display the firmware versions of the various system units.

90 Input Data

ltem No.	Item	Input Data	Default
01	DSP Firmware Version No.	Read Only: 00.00.00.00 ~ 15.15.15.15	BCD Code (2 Byte)

Conditions

None

Feature Cross Reference

Program 90 : Maintenance Program 90-19 : Dial Block Release

Level: SA

Description

Note: This program is available via telephone programming and WebPro not through PC Programming.

When the extension number is entered in **Program 90-19 : Dial Block Release**, the extension is released from the Dial Block restriction.

90

Input Data

Extension Number			Up to eight digits	
ltem No.	Item	Input Data	Description	Default
01	Delete IP Telephone	[Release ?] : Dial 1 + press Hold (Press Hold only to can- cel.)	This assignment removes the station num- ber association with the MAC address of the IP station.	-

Conditions

None

Feature Cross Reference

Code Restriction/Toll Restriction

Program 90 : Maintenance Program 90-20 : Traffic Report Data Setup

Level: IN

Description

Program

90

Input Data

ltem No.	ltem	Input Data	Description	Default
01	Call Traffic Output	0 = Not Measured 1 = Measure		0
03	All Line Busy Output	0 = Not Detected 1 ~ 256 (Report when the data reaches the defined val- ue)		0
04	DTMF Receiver Busy Output	0 = Not Detected 1 ~ 256 (Report when the data reaches the defined val- ue)		0
05	Dial Tone Detector Busy Output	0 = Not Detected 1 ~ 256 (Report when the data reaches the defined val- ue)		0
06	Caller ID Receiver Busy Output	0 = Not Detected 1 ~ 256 (Report when the data reaches the defined val- ue)		0
07	Voice Mail Channel All Busy Output	0 = Not Detected 1 ~ 256 (Report when the data reaches the defined val- ue)		0
09	Attendant Channel All Busy Output	0 = Not Detected 1 ~ 256 (Report when the data reaches the defined val- ue)		0
11	Security Sensor Dial Record	0 = Not Recorded 1 = Recorded	Record Security sensor dialing and Re- mote Inspection dialing to security report	1

Use Program 90-20 : Traffic Report Data Setup to define the details of the traffic report.

Conditions
Feature Cross Reference

Traffic Reports

Program

Program 90 : Maintenance Program 90-21 : Traffic Report Output

Level:

Description

Use **Program 90-21 : Traffic Report Output** to define the output port to be used as the traffic report output.

Input Data

Program

90

ltem No.	Item	Input Data	Default
01	Output Port Type	0 = No setting 3 = LAN	0

Conditions

None

Feature Cross Reference

Traffic Reports

Program 90 : Maintenance Program 90-23 : Deleting Registration of IP Telephones

Level: <u>IN</u>

Description

Note: This program is available via telephone programming and WebPro not through PC Programming.

Use **Program 90-23 : Deleting Registration of IP Telephones** to delete the registered IP telephone from the system.

90

Input Data

Extension Number		ber	Up to eight digits	
ltem No.	ltem	Input Data	Description	Default
01	Delete IP Telephone	[Delete?] : Dial 1 + press Hold (Press Hold only to can- cel.)	This assignment removes the station num- ber association with the MAC address of the IP station.	-

Conditions

None

Feature Cross Reference

Program 90 : Maintenance Program

90-24 : System Alarm Report Notification Time Setup

Level: <u>IN</u>

Description

Program

90

Use **Program 90-24 : System Alarm Report Notification Time Setup** to set the date and time for the alarm report to print.

Input Data

	Notification Number	1 ~ 12
--	---------------------	--------

ltem No.	Item	Input Data	Default
01	Month	00 ~ 12 (0 = Not Set)	00
02	Day	00 ~ 31 (0 = Not Set)	00
03	Hour	00 ~ 23	00
04	Minute	00 ~ 59	00

Conditions

None

Feature Cross Reference

Program 90 : Maintenance Program 90-25 : System Alarm Report CC Mail Setup

Level: IN

Description

Use **Program 90-25 : System Alarm Report CC Mail Setup** to define the mail address to receive the system alarm report CC Mail setup.

Input Data

CC Number		1~5	1~5	
ltem No.	Item	Input Data	Default	
01	CC Mail Address	Up to 255 Characters	No Setting	

Conditions

None

Feature Cross Reference

None

Program 90 : Maintenance Program 90-26 : Program Access Level Setup

Level: IN

Description

Input Data

change a system program.

Program

90

	Program Numbers		1001 ~ 9903	3
	1			1
ltem No.	ltem		Input Data	Default
01	Maintenance Level	Level 1 = M Level 2 = IN Level 3 = S Level 4 = SI	F Level I Level A Level B Level	Refer to the Level indi- cation for each individ- ual program (located in the upper left corner at the beginning of each program).

Use Program 90-26 : Program Access Level Setup to define the password access level required to

Conditions

None

Feature Cross Reference

Program 90 : Maintenance Program 90-28 : User Programming Password Setup

Level: <u>IN</u>

Description

Use **Program 90-28 : User Programming Password Setup** to set the password used to enter the user programming mode.

Input Data

Extension Numbers		Maximum eight o	ligits
Item No.	Item	Input Data	Default
01	Password	Fixed four digits	1111

Conditions

None

Feature Cross Reference

Program 90 : Maintenance Program 90-31 : DIM Access over Ethernet

Level: IN

Description

Program

90

Use **Program 90-31 : DIM Access over Ethernet** to enable DIM (Diagnostic Information Maintenance) access over the LAN, and to define the user name and password. DIM is a maintenance tool used by engineering to extract trace level information.

Input Data

ltem No.	ltem	Input Data	Default
01	Access Enabling	0 = Disable 1 = Enable	0 (Disable)
02	Username	20 characters (alphanumeric)	SL1100
03	Password	20 characters (alphanumeric)	12345678

Conditions

None

Feature Cross Reference

Program 90 : Maintenance Program 90-33 : Preselected Data Setup

Level: <u>IN</u>

Description

Note: This program is available only via telephone programming and not through PC Programming. Use **90-33** : **Preselected Data Setup** to setup the system to preselected setting.

Input Data

ltem No.	Item	Input Data	Default
01	China	Dial 1 + press Hold (Press Hold only to cancel.)	Refer below
02	Chile	Dial 1 + press Hold (Press Hold only to cancel.)	Refer below
04	Taiwan	Dial 1 + press Hold (Press Hold only to cancel.)	Refer below
05	Korea	Dial 1 + press Hold (Press Hold only to cancel.)	Refer below
06	Hong Kong	Dial 1 + press Hold (Press Hold only to cancel.)	Refer below
07	Brazil	Dial 1 + press Hold (Press Hold only to cancel.)	Refer below
08	Malaysia	Dial 1 + press Hold (Press Hold only to cancel.)	Refer below
09	Thailand	Dial 1 + press Hold (Press Hold only to cancel.)	Refer below
10	India	Dial 1 + press Hold (Press Hold only to cancel.)	Refer below

Default

China

Program No.	Name	Default
10-02-01	Country Code	86 (For China)
14-02-09	Busy Tone Detection	1 (All trunks : On)
14-02-18	Busy Tone Detection on talking	1 (All trunks : On)
15-03-15	Disconnect without dial after hooking hold	1 (All stations = Disconnect)
20-01-09	Camp-on cancel time	30
20-02-12	Mode setting for incoming call from extension	1 (Signaling call)
20-17-01	Operator's Extension number	101 (Operator 1 = 101)
20-31-02	Callback / Trunk Queuing Cancel Time	30
20-31-07	Ring No Answer Alarm Time	30
20-31-08	DIL/Incoming Ring Group No Answer Time	30
20-31-19	DISA Conversation Warning Tone Timer	180

Program

90

Program No.	Name	Default
21-03-01	Trunk Group Routing for Trunks	1 (All trunks : All modes : Group1)
22-01-03	Incoming ring no answer alarm start Timer	30
22-01-04	Normal DIL incoming no answer Timer	30
22-01-08	DID (DDI) Pilot Call No answer timer	30
22-08-01	Second IRG Setup for unanswered	1 (All trunks : All modes : IRG1)
25-03-01	DUD/DISA Transfer Ring Group at Wrong dialing	1 (All trunks : All modes : IRG1)
25-04-01	DUD/DISA Transfer Ring Group at No answer/ Busy	1 (All trunks : All modes : IRG1)
25-07-07	DISA Conversation Warning Tone Timer	180
30-02-01	DSS Console Extension Assignment	101 (Console No.1 = 101)
80-04-06	ON min. time (Busy Tone for Trunk)	9
80-04-07	ON max. time (Busy Tone for Trunk)	12
80-04-08	OFF min. time (Busy Tone for Trunk)	9
80-04-09	OFF max. time (Busy Tone for Trunk)	12
80-04-12	Frequency No 1 (Busy Tone for Trunk)	2
80-04-14	Twit Level-Rcv1/Rcv2/Rcv3	1
80-05-01	Date Format	1 (yy/mm/dd)
80-07	Call Progress Tone Detector Frequency Setup (Ta- ble2)	45
81-01-09	Time ringing signal stop detection time	70 (4.5 s)
82-04-08	Maximum hook flash time	132 (660 ms)
15-03-09	Caller ID Function	1
15-03-14	Forwarded Caller ID display mode	1
40-07	Voice Prompt Language Assignment for VRS	15
47-02-16	Voice Prompt Language (All Station Mailbox Num- ber)	15
47-06-14	Voice Prompt Language (All Group Mailbox Num- ber)	15
47-07-03	Prompt Language (All Routing Mailbox Number)	15
47-10-03	Voice Prompt Language (All Trunk port Number)	15

Chile

Program No.	Name	Default
10-01-01	- Year	5
10-01-02	- Month	7
10-01-03	- Day	10
10-01-04	- Week (1 : SUN)	4
10-01-05	- Hour	18
10-01-06	- Minute	30
10-01-07	- Second	0

Program No.	Name	Default
80-01-02	Basic Tone No	1
		(Svc Tone 2 Unit 1)
12-01-02	Automatic night mode switch	0
20-02-07	Display mode of Date and Time	8
20-02-09	Disconnect Supervision	1
20-02-12	Mode setting for incoming call from extension	1
20-07-11	Force Trunk disconnection (Analog trunk only)	1 (Class 1 ~ 15)
20-07-12	Trunk port disable	1 (Class 1 ~ 15)
20-08-08	Dial Block	1 (Class 1 ~ 15)
20-09-04	Notification for Incoming Call List existence	0 (Class 1 ~ 15)
20-11-12	External Call Forward (Off-Premise)	1 (Class 1 ~ 15)
20-13-01	Long conversation alarm	0 (Class 1 ~ 15)
20-13-15	Break-In	0 (Class 1 ~ 15)
20-13-16	Broken-in	0 (Class 1 ~ 15)
20-13-20	Account Code/Toll Restriction Operator Alert	0 (Class 1 ~ 15)
20-13-26	Group listening service	1 (Class 1 ~ 15)
20-13-31	Connected Line identification (COLP)	1 (Class 1 ~ 15)
21-01-06	Dial pause at first digit	1
21-08-01	Time of Repeat Dial	5
21-08-02	Interval of Repeat Dial	15
21-08-03	Repeat Dial Calling Timer	10
24-02-01	Transfer to busy extension	1
24-02-03	No answer time for call forward	30
25-07-07	DISA Conversation Warning Tone Time	0
25-07-08	DISA Conversation Disconnect Timer	0
40-10-01	VRS Fixed Message	0
14-01-06	SMDR print-out	1 (All Trunk)
14-01-13	Trunk to Trunk transfer	1 (All Trunk)
14-02-09	Busy Tone Detection	1 (All Trunk)
11-12-16	Trunk access via Networking	715
11-12-29	Direct extension call pickup	866
20-17-01	Operator's Extension number	101 (Operator 1 = 101)
30-02-01	DSS Console Extension Assignment	101 (DSS Console No.1 = 101)
10-02-01	Country Code	56
15-02-01	Display Language Selection	12

Program No.	Name	Default
40-07-01	Voice Prompt Language Assignment for System based	7
47-02-16	Voice Prompt Language	7
47-06-14	Voice Prompt Language	7
47-07-03	Prompt Language	7
47-10-03	Voice Prompt Language	7

Taiwan

Г

Program

9	0

Program No.	Name	Default
15-01-01	Extension Name	- (Delete all station name)
20-02-12	Forced Intercom Ringing	1
21-04-01	Toll Restriction Class for Extensions	1 (Class 1, EXT 200 ~ 295, mode 1 ~ 4)
21-05-07	Permit code table	Class 1 set 1 Class 2 set 2 Class 3 set 3 Class 4 set 4
21-05-08	Restriction table	Class 1 set 1 Class 2 set 2 Class 3 set 3 Class 4 set 4
21-06-06	Permit code table	PmitTBL 1 = None PmitTBL 2 = None PmitTBL 3 = 080, 081 PmitTBL 4 = 110, 119
21-06-07	Restriction table	TollRes 1 = 0204 TollRes 2 = 00, 01, 0204, 100, 108 TollRes 3 = 0, 100, 18, 108 TollRes 4 = @
31-02-01	Internal Paging Group Assignment	1 (All stations)
31-02-02	Internal Paging Group Assignment	1 (All stations)
14-02-10	Caller ID	1 (Trunks 1 ~ 27)
22-04-01	Incoming Extension Ring Group Assignment	Set to 101-108 (IRG1)
11-09-01	Trunk Access Code	0
11-01-01	System Numbering	0 for Type 3 Trunk access code 9 for Type 5 operator
10-20-01	LAN Setup for External Equipment (SMDR)	DEVICE 5 set to 1
35-01-01	SMDR-Output Port Type	1 (Port 1 only)
35-01-04	SMDR-Omit Digits	0 (Port 1 only)
35-02-09	SMDR-Extension Number or Name	1 (Port 1 only)
35-02-14	SMDR-Date	1 (Port 1 only)
20-02-07	Time and Date Display Mode	5
15-03-03	Terminal Type	1 (All stations)
21-01-06	Dial pause at first digit	1

Program No.	Name	Default
20-13-01	Long Conversation Alarm	
20 13 22	Called Party Statue	
20-13-22		(Class 1 only)
20-09-04	Notification for Incoming Call List existence	0 (Class 1 only)
14-02-18	Busy tone detection on talking	1 (Trunks 1 ~ 27)
14-02-19	Busy tone detection frequency	3 (Trunks 1 ~ 27)
14-02-20	Busy tone detection interval	10 (Trunks 1 ~ 27)
80-04-06	ON Minimum RCV2 time	7
80-04-08	OFF Minimum RCV2 time	7
14-02-09	Busy tone detection	1
80-04-12	TONE RCV 2 frequency 1	1 (Table 1)
80-04-13	TONE RCV 2 frequency 2	2 (Table 2)
80-07-01	Call progress TONE detector frequency	TABLE 1 set to 48 TABLE 2 set to 62
14-02-04	Flash For Timed Flash or Disconnect	0 (Trunks 1 ~ 27)
81-01-14	Flash (Hooking 1)	20
81-01-15	Flash (Hooking 2)	30
20-19-02	Caller ID Wait Timer	2
20-07-01	Manual Night Service Enabled	1 (Class 1 only)
25-03-01	DID/DISA Transfer Ring Group With Incorrect Dial- ing	1 (Trunks 1 ~ 27 Mode 1)
25-04-01	DID/DISA Transfer Ring Group With No Answer/ Busy	1 (Trunks 1 ~ 27 Mode 1)
25-07-02	DID/DISA No Answer Time	16
25-07-11	DID/DISA Answer Delay Timer	3
32-02-01	Door Box Ring Assignment	Set to EXT.101-108; DOOR 1; Mode 1-2
40-07-01	Voice Prompt Language Assignment for Voice Mail	9
81-07-01	CODEC Filter Setup for Analog Trunk Ports	0 (Trunks 1 ~ 27)
25-07-03	Disconnect after DID/DISA re-transfer to IRG	180
20-02-11	Default Setting of Microphone of Key Telephone	0
24-02-03	Delayed Call Forwarding Time	16
14-02-02	Ring Detect Type This option to sets Extended Ring Detect or Immediate Ring Detect for the trunk	1 (Trunks 1 ~ 27)
20-07-11	Forced Trunk Disconnect (analog trunk only) Ena- bles/disables an extension's ability to use Forced Trunk Disconnect	1 (Class 1 only)
20-03-04	Trunk Call Dial Sending Time by SLT	1
25-02-01	DID/DISA Talkie to assign the VRS message number	Trunks 1 ~ 27 Talkie = 1 Mode 1 data = 1 (Day Mode) Mode 2 data = 2 (Night Mode)

Program No.	Name	Default
25-05-01	VRS/DISA Error Message Assignment	4 (Trunks 1 ~ 27 Mode 1, 2)
40-10-08	Call Attendant Message - when Busy	8
40-10-09	Call Attendant Message - when No Answer	9
25-06-02	DID/DISA One-Digit Code Attendant Setup	MSG (1, 2, 4, 8, 9) Recv. 9 data=101
14-01-13	Loop Disconnect Supervision	1 (Trunks 1 ~ 27)
21-03-01	Trunk Group Routing for Trunks	1 (Trunks 1 ~ 27 Mode 1, 2)
20-11-12	Call Forwarding Off-Premise	1 (Class 1 only)
25-07-07	DISA Conversation Warning Tone Time	0
12-02-01	Automatic night service Patterns	01 ~ 02 set to 08 : 30 Mode Group 1 only
12-02-01	Automatic night service Patterns	01 ~ 01 set to 08 : 30 Mode Group 1 only
12-02-01	Automatic night service Patterns	01 ~ 03 set to 17 : 30 Mode Group 1 only
12-02-01	Automatic night service Patterns	01 ~ 02 set to 17 : 30 Mode Group 1 only
10-02-01	Country Code	886
80-01-01	Repeat count	6

Korea

Program

Program No.	Name	Default
10-02-01	Country Code	82
11-01-01	Dial * Digit	1
11-09-02	2nd TRK Access	6
11-10-20	Ope VRS Msg	#716
11-12-27	Call Pickup	*
12-02-01	Automatic night service Patterns (Start of time)	ModeGrp 1-4, Time Pattern 01, Set Time 01 = 00:00 ModeGrp 1-4, Time Pattern 01, Set Time 02 = 09:00 ModeGrp 1-4, Time Pattern 01, Set Time 03 = 18:00
12-02-02	Automatic night service Patterns (End of time)	ModeGrp 1-4, Time Pattern 01, Set Time 01 = 09:00 ModeGrp 1-4, Time Pattern 01, Set Time 02 = 18:00 ModeGrp 1-4, Time Pattern 01, Set Time 03 = 00:00
12-02-03	Automatic night service Patterns (Mode No.)	ModeGrp 1-4, Time Pattern 01, Set Time 01 = Mode3 ModeGrp 1-4, Time Pattern 01, Set Time 02 = Mode1 ModeGrp 1-4, Time Pattern 01, Set Time 03 = Mode2
12-03-01	Night mode week setting	sun = Pttrn 3, sat = Pttrn 2 Mode Group 1-4
14-01-13	TRK-TRK Transfer	1
14-02-04	Flash for timed Flash or Disconnect	0
14-02-05	DTD-Manual DI	0
14-02-09	Busy Tone Detection	1
14-02-10	Caller ID	1

Program No.	Name	Default
14-02-18	Busy Tone Detection Talking	1
15-01-01	Extension Name	-
15-03-09	Extension Display	1
15-03-15	Hook disconnect mode	1
16-01-03	Auto Step Call	1
16-01-04	Hunting Mode	1
16-01-08	Max Queue No	32
20-02-04	Transfer Retrieve	1
20-02-11	Microphone of Key telephone	0
20-02-12	ICM Call Type	1
20-03-03	SLT DTMF Dial	0
20-03-04	Dial Start	1
20-03-07	Forced Dial	0
20-07-01	Manual night Service Enabled	1
20-08-09	Hotline	1
20-08-20	Hot key Pad	1
20-13-01	Long Conversation Alarm	0
20-13-22	Call Party Status	1
20-17-01	Attendant	101
20-19-02	Caller ID wait timer	0
21-01-06	1st Digit P	1
21-01-09	Hotline Start	3
21-04-01	T/R Class for Extension	1
21-05-07	Permit code table	Class 1 set 1 Class 2 set 2 Class 3 set 3 Class 4 set 4
21-06-06	Permit code table	PmitTBL 1 = None PmitTBL 2 = 119, 112, 113, 080
21-05-08	Restriction Table	Class 1 set 1 Class 2 set 2 Class 3 set 3 Class 4 set 4
21-15-01	2nd TRK Ace Route TBL	2
22-01-11	Msg Interval	10
22-14-01	Message1 Start Time	1
22-14-03	MSG1 Count	1
22-14-05	MSG2 Count	1
22-14-07	Disconnect Time	1
22-15-01	Message1 Start Time	1
22-15-03	MSG1 Count	1
22-15-05	MSG2 Count	1
22-15-07	Disconnect Time	1
24-02-03	CFW not answer Time	15
24-02-04	TRF Recall time	15
25-01-02	without Password	0

90

Program No.	Name	Default
25-07-01	VRS Dial Time	5
25-07-02	DISA No Answer Time	60
25-07-03	DISA Disconnect Retransfer to IRG	30
31-02-01	Internal Paging Group	1
31-02-02	Internal all Paging Group	1
32-01-02	Door Box Lock Cancel	1
35-01-04	SMDR-Omit Digits	0
35-02-09	SMDR-Extension Number or Name	1
35-02-14	SMDR-Date	1
80-04-06	ON Minimum RCV2 Time	7
80-04-08	OFF Minimum RCV2 Time	7
80-04-12	TONE RCV 2 Frequency 1	2
80-04-13	TONE RCV 2 Frequency 2	3
80-07-01	Busy Tone Frequency	table 2 ~ 48, table 3 ~ 62
81-01-09	Signal Stop Dtct	80
81-01-14	Flash (Hooking 1)	20
81-01-15	Flash (Hooking 2)	30
81-07-01	CODEC Filter Setup for analog Trunk Ports	0 (Trunks 1 ~ 27)
82-04-04	Max. Break TM	14
82-04-07	Min. Flash TM	17
82-04-08	Max. Flash TM	120

Hong Kong

Program No.	Name	Default
14-01-13	Loop Disconnect Supervision	1 (Trunks 1 ~ 27)
14-02-02	Ring Detect Type	1 (Trunks 1 ~ 27)
14-02-04	Flash for Timed Flash or Disconnect	0 (Trunks 1 ~ 27)
14-02-09	Busy Tone Detection	1 (Trunks 1 ~ 27)
14-02-10	Caller-ID	1 (Trunks 1 ~ 27)
14-02-18	Busy Tone Detection on Talking	1 (Trunks 1 ~ 27)
14-02-19	Busy Tone Detention Frequency	3 (Trunks 1 ~ 27)
14-02-20	Busy Tone Detention Interval	10 (Trunks 1 ~ 27)
20-02-12	Forced Intercom Ringing	1
20-03-03	SLT DTMF Dial	1
20-03-04	Trunk Call Dial Sending Time by SLT	1
20-07-01	Manual Night Service Enabled	1 (Class 1 only)

Program No.	Name	Default
20-13-01	Long Conversation Alarm	0 (Class 1 only)
20-13-22	Called Party Status	1 (Class 1 only)
20-17-01	Operator Extension Number	101
20-19-02	Caller ID Wait Timer	0
21-01-06	Dial pause at first digit of dialing	1
22-01-11	VRS Waiting Message Interval Time	10
24-02-03	Delayed Call Forwarding Time	15
31-02-01	Internal Paging Group Number	1 (All stations)
31-02-02	Internal All Call Paging Receiving	1 (All stations)
32-01-02	Door Lock Cancel Time	2
80-01-02	Tone 14 Intercom Ring-Back Tone (Unit1Basic TN)	10
80-01-02	Tone 39 Special Audible Ring-Busy Tone (Unit1Basic TN)	10
80-01-02	Tone 39 Special Audible Ring-Busy Tone (Unit2Basic TN)	0
80-01-03	Tone 39 Special Audible Ring-Busy Tone (Unit1Duration)	10
80-01-03	Tone 39 Special Audible Ring-Busy Tone (Unit2Duration)	20
80-04-12	TONE RCV2 (Frequency 1)	2
80-04-13	TONE RCV2 (Frequency 2)	3
80-07-01	Table 2 (Frequency)	48
80-07-01	Table 3 (Frequency)	62
81-01-14	Flash (Hooking 1)	25
81-07-01	CODEC Filter Type for analog trunk port	0 (Trunks 1 ~ 27)
10-02-01	Country Code	852

90

Brazil

Program No.	Name	Default
10-20-01	TCP Port SMDR Ex - Dev 5	60000
11-01-01	System Numbering - ACC Operator	Dial = 9 (1 = Digit) Type (5 = Opr)
11-01-01	System Numbering - ACC Trunk	Dial = 0 (1 = Digit) Type (3 = Trunk)
11-09-01	Trunk Access Code for Type 3	0
12-02-01	Automatic Night Service Pattern (Time Pattern 1)	Set Time 02 = S 0800, E 1200, M1 ModeGrp 1
12-02-01	Automatic Night Service Pattern (Time Pattern 1)	Set Time 03 = S 1200, E 1300, M3 ModeGrp 1
12-02-01	Automatic Night Service Pattern (Time Pattern 1)	Set Time 04 = S 1300, E 1700, M1 ModeGrp 1
12-02-01	Automatic Night Service Pattern (Time Pattern 1)	Set Time 05 = S 1700, E 0000, M2 ModeGrp 1

Program No.	Name	Default		
12-02-01	Automatic Night Service Pattern (Time Pattern 2)	Set Time 01 = S 0000, E 0800, M2 ModeGrp 1		
12-02-01	Automatic Night Service Pattern (Time Pattern 2)	Set Time 02 = S 0800, E 1200, M1 ModeGrp 1		
12-02-01	Automatic Night Service Pattern (Time Pattern 2)	Set Time 03 = S 1200, E 1300, M3 ModeGrp 1		
12-02-01	Automatic Night Service Pattern (Time Pattern 2)	Set Time 04 = S 1300, E 1600, M1 ModeGrp 1		
12-02-01	Automatic Night Service Pattern (Time Pattern 2)	Set Time 05 = S 1600, E 0000, M2 ModeGrp 1		
12-02-01	Automatic Night Service Pattern (Time Pattern 3)	Set Time 01 = S 0000, E 0000, M2 ModeGrp 1		
12-03-01	Weekly Night Service Switching	01 = Sunday, 3 ModeGrp 1		
12-07-01	Text Data for Night Mode			
	Day / Night Mode 1	Dia (Mode Grp 1)		
	Day / Night Mode 2	Noite (Mode Grp 1)		
	Day / Night Mode 3	Almoço (Mode Grp 1)		
	Day / Night Mode 4	- (Mode Grp 1)		
	Day / Night Mode 5	- (Mode Grp 1)		
	Day / Night Mode 6	- (Mode Grp 1)		
	Day / Night Mode 7	- (Mode Grp 1)		
	Day / Night Mode 8	- (Mode Grp 1)		
14-01-01	Trunk Name	Linha 01 ~ 51		
14-01-13	Loop Disconnect Supervision	1 (All Trunk)		
14-01-14	Long Conversation Cut Off	1 (All Trunk)		
14-01-15	Long Conversation Alarm before Cut Off	1 (All Trunk)		
14-01-17	Trunk to Trunk Warning Tone For Long Conversa- tion Alarm	1 (All Trunk)		
14-01-18	Warning Beep Tone Signaling	1 (All Trunk)		
14-02-04	Flash for Timed Flash or Disconnect	1 (All Trunk)		
14-02-09	Busy Tone Detection	1 (All Trunk)		
14-02-12	Detect Network Disconnect Signal	1 (All Trunk)		
15-01-01	Extension Name	101: 101 ~ 184: 184		
15-02-12	Off Hook Signaling Type	4 (All stations)		
15-02-33	Multi Language Calendar Display on LCD	1 (All stations)		

Program No.	Name	Default
15-02-34	Call Register Mode	1
		(All stations)
15-03-12	Fixed Cadence	0 (All stations)
15-07-01	Programmable Function Key	Key 21 : 00
		Key 22 : 00
20-01-01	Operator Access Mode	1
20-02-07	Time and Date Display Mode	5
20-02-09	Disconnect Supervision	1
20-02-11	Default Setting Microphone of KTS	0
20-02-12	Forced Intercom Ringing	1
20-07-01	Manual Night Service Enabled	1
		(Class 1 Only)
20-07-11	Forced Trunk Disconnect	1 (Class 01 ~ 15)
20-13-01	Long Conversation Alarm	0 (Class 01 ~ 15)
20-15-01	Normal Incoming Call of Trunk	11
20-15-03	Internal Incoming Call	10
20-15-05	DID	11
20-15-09	Call Back	10
20-16-01	Selectable Display Message	
	Message Number 1	REUNIÃO_# # : # #
	Message Number 2	SERVIÇO_EXTERNO
	Message Number 3	RETORNA_##:##
	Message Number 4	LIGAR _ # # # # # # # # #
	Message Number 5	LIGAR_APÓS_##:##
	Message Number 6	ALMOÇO
	Message Number 7	VIAGEM _ ATÉ # # / # #
	Message Number 8	FÉRIAS_ATÉ # # / # #
	Message Number 9	FORA DE SERVIÇO
	Message Number 10	AUSENTE_ATÉ # # / # #
20-31-02	Callback / Trunk queuing cancel time	7200 (Class 01 ~ 15)
22-09-01	Expected Number of Digits	2 (TRK G.10 only)
24-02-01	Busy Transfer	1
25-01-02	DISA User ID	0 (All Trunk)
26-02-01	Dial Data	
	Dial Analysis Table number 151	00@@@@@@@@@@@
	Dial Analysis Table number 152	01@@@@@@@@@@@
	Dial Analysis Table number 153	02@@@@@@@@@@@
	Dial Analysis Table number 154	03@@@@@@@@@@@
	Dial Analysis Table number 155	04@@@@@@@@@@@
	Dial Analysis Table number 156	05@@@@@@@@@@@

Program No.	Name	Default
	Dial Analysis Table number 157	06@@@@@@@@@@
	Dial Analysis Table number 158	07@@@@@@@@@@
	Dial Analysis Table number 159	080@@@@@@@
	Dial Analysis Table number 160	081@@@@@@@@@
	Dial Analysis Table number 161	082@@@@@@@@@
	Dial Analysis Table number 162	083@@@@@@@@@
	Dial Analysis Table number 163	084@@@@@@@@@
	Dial Analysis Table number 164	085@@@@@@@@@
	Dial Analysis Table number 165	086@@@@@@@@@
	Dial Analysis Table number 166	087@@@@@@@@@@
	Dial Analysis Table number 167	088@@@@@@@@@@
	Dial Analysis Table number 168	089@@@@@@@@@@
	Dial Analysis Table number 169	090@@@@@@@
	Dial Analysis Table number 170	091@@@@@@@@@@
	Dial Analysis Table number 171	092@@@@@@@@@@
	Dial Analysis Table number 172	093@@@@@@@@@@
	Dial Analysis Table number 173	094@@@@@@@@@@
	Dial Analysis Table number 174	095@@@@@@@@@
	Dial Analysis Table number 175	096@@@@@@@@@@
	Dial Analysis Table number 176	097@@@@@@@@@@
	Dial Analysis Table number 177	098@@@@@@@@@@
	Dial Analysis Table number 178	099@@@@@@@@@@
	Dial Analysis Table number 179	1@@
	Dial Analysis Table number 180	2@@@@@@
	Dial Analysis Table number 181	3@@@@@@
	Dial Analysis Table number 182	4@@@@@@
	Dial Analysis Table number 183	5@@@@@@
	Dial Analysis Table number 184	6@@@@@@
	Dial Analysis Table number 185	7@@@@@@
	Dial Analysis Table number 186	8@@@@@@
	Dial Analysis Table number 187	90@@@@@@@@@@@
	Dial Analysis Table number 188	91@@@@@
	Dial Analysis Table number 189	92@@@@@
	Dial Analysis Table number 190	93@@@@@
	Dial Analysis Table number 191	94@@@@@
	Dial Analysis Table number 192	95@@@@@
	Dial Analysis Table number 193	96@@@@@
	Dial Analysis Table number 194	97@@@@@
	Dial Analysis Table number 195	98@@@@@
	Dial Analysis Table number 196	99@@@@@
26-02-02	Service Type	
	Dial Analysis Table number 151	1
	Dial Analysis Table number 152	1

Program No.	Name	Default
	Dial Analysis Table number 153	1
	Dial Analysis Table number 154	1
	Dial Analysis Table number 155	1
	Dial Analysis Table number 156	1
	Dial Analysis Table number 157	1
	Dial Analysis Table number 158	1
	Dial Analysis Table number 159	1
	Dial Analysis Table number 160	1
	Dial Analysis Table number 161	1
	Dial Analysis Table number 162	1
	Dial Analysis Table number 163	1
	Dial Analysis Table number 164	1
	Dial Analysis Table number 165	1
	Dial Analysis Table number 166	1
	Dial Analysis Table number 167	1
	Dial Analysis Table number 168	1
	Dial Analysis Table number 169	1
	Dial Analysis Table number 170	1
	Dial Analysis Table number 171	1
	Dial Analysis Table number 172	1
	Dial Analysis Table number 173	1
	Dial Analysis Table number 174	1
	Dial Analysis Table number 175	1
	Dial Analysis Table number 176	1
	Dial Analysis Table number 177	1
	Dial Analysis Table number 178	1
	Dial Analysis Table number 179	1
	Dial Analysis Table number 180	1
	Dial Analysis Table number 181	1
	Dial Analysis Table number 182	1
	Dial Analysis Table number 183	1
	Dial Analysis Table number 184	1
	Dial Analysis Table number 185	1
	Dial Analysis Table number 186	1
	Dial Analysis Table number 187	1
	Dial Analysis Table number 188	1
	Dial Analysis Table number 189	1
	Dial Analysis Table number 190	1
	Dial Analysis Table number 191	1
	Dial Analysis Table number 192	1
	Dial Analysis Table number 193	1
	Dial Analysis Table number 194	1
	Dial Analysis Table number 195	1

Program No.	Name	Default
	Dial Analysis Table number 196	1
26-02-03	Additional Data	
	Dial Analysis Table number 151	10
	Dial Analysis Table number 152	10
	Dial Analysis Table number 153	10
	Dial Analysis Table number 154	10
	Dial Analysis Table number 155	10
	Dial Analysis Table number 156	10
	Dial Analysis Table number 157	10
	Dial Analysis Table number 158	10
	Dial Analysis Table number 159	10
	Dial Analysis Table number 160	10
	Dial Analysis Table number 161	10
	Dial Analysis Table number 162	10
	Dial Analysis Table number 163	10
	Dial Analysis Table number 164	10
	Dial Analysis Table number 165	10
	Dial Analysis Table number 166	10
	Dial Analysis Table number 167	10
	Dial Analysis Table number 168	10
	Dial Analysis Table number 169	10
	Dial Analysis Table number 170	10
	Dial Analysis Table number 171	10
	Dial Analysis Table number 172	10
	Dial Analysis Table number 173	10
	Dial Analysis Table number 174	10
	Dial Analysis Table number 175	10
	Dial Analysis Table number 176	10
	Dial Analysis Table number 177	10
	Dial Analysis Table number 178	10
	Dial Analysis Table number 179	10
	Dial Analysis Table number 180	10
	Dial Analysis Table number 181	10
	Dial Analysis Table number 182	10
	Dial Analysis Table number 183	10
	Dial Analysis Table number 184	10
	Dial Analysis Table number 185	10
	Dial Analysis Table number 186	10
	Dial Analysis Table number 187	10
	Dial Analysis Table number 188	10
	Dial Analysis Table number 189	10
	Dial Analysis Table number 190	10
	Dial Analysis Table number 191	10

Program No.	Name	Default
	Dial Analysis Table number 192	10
	Dial Analysis Table number 193	10
	Dial Analysis Table number 194	10
	Dial Analysis Table number 195	10
	Dial Analysis Table number 196	10
26-02-06	LCR Carrier Table	
	Dial Analysis Table number 151	1
	Dial Analysis Table number 152	2
	Dial Analysis Table number 153	2
	Dial Analysis Table number 154	2
	Dial Analysis Table number 155	2
	Dial Analysis Table number 156	2
	Dial Analysis Table number 157	2
	Dial Analysis Table number 158	2
	Dial Analysis Table number 160	2
	Dial Analysis Table number 161	2
	Dial Analysis Table number 162	2
	Dial Analysis Table number 163	2
	Dial Analysis Table number 164	2
	Dial Analysis Table number 165	2
	Dial Analysis Table number 166	2
	Dial Analysis Table number 167	2
	Dial Analysis Table number 168	2
	Dial Analysis Table number 170	2
	Dial Analysis Table number 171	2
	Dial Analysis Table number 172	2
	Dial Analysis Table number 173	2
	Dial Analysis Table number 174	2
	Dial Analysis Table number 175	2
	Dial Analysis Table number 176	2
	Dial Analysis Table number 177	2
	Dial Analysis Table number 178	2
26-05-01	Delete Digits	
	Carrie LCR Tabela 1	4
	Carrie LCR Tabela 2	3
34-01-05	System Toll Restriction	1 (All Trunk)
35-01-01	Output Port Type	1 (Port 1 only)
35-01-04	Omit Digits	0 (Port 1 only)
35-02-09	Extension Number or Name	1 (Port 1 only)
35-02-14	Date data	1 (Port 1 only)

90

Program No.	Name	Default	
35-02-16	Trunk Name or Received Dialed Number	2 (Port 1 only)	
40-07-01	Voice Prompt Language Assignment	9	
40-08-01	Voice Prompt Language Assignment	9	
80-04-04	No Tone Time Type 2 BT	7	
80-04-06	On Minimum Time Type 2 BT	6	
80-04-07	On Maximum Time Type 2 BT	8	
80-04-08	Off Minimum Time Type 2 BT	6	
80-04-09	Off Maximum Time Type 2 BY	8	
80-07-01	Frequency Table 1	42	
80-08-01	Duration	200	
82-04-04	Maximum Break Time	14	
82-04-06	Maximum Make Time	14	
82-04-07	Minimum Hook Flash Time	16	
82-04-08	Maximum Hook Flash Time	70	
10-02-01	Country Code	55	
15-02-01	Display Language Selection	1	
47-02-16	Voice Prompt Language	13	
47-06-14	Voice Prompt Language	13	
47-07-03	Prompt Language	13	
47-10-03	Voice Prompt Language	13	

Brazil - PRG80-01 Service Tone Setup -

Service Tone Setup	Unit	80-01-01	80-01-02	80-01-03	80-01-04
Internal Dial Tone TONE 2	1	0	0	1	32
	2	-	1	10	32
Special Dial Tone TONE 3	1	0	0	1	32
	2	-	1	1	32
Busy Tone TONE 6	1	0	0	2	32
	2	-	1	2	32
Ring Back Tone TONE 14	1	0	0	40	32
	2	-	1	10	32
External Ring Back Tone TONE 45	1	0	0	40	32
	2	-	1	10	32
	3	-	-	-	-
	4	-	-	-	-
External Busy Tone TONE 46	1	0	0	2	32
	2	0	1	2	32

Malaysia

Program No.	Name	Default	
10-02-01	Country Code	60	

Thailand

Program No.	Name	Default	
10-02-01	Country Code	66	

India

Program No.	Name	Default	
10-02-01	Country Code	91	

Conditions

None

Feature Cross Reference

None

Program

Program 90 : Maintenance Program 90-34 : Firmware Information

Level: IN

Description

Program

90

the system.

Input Data

Slot Number		00 ~ 15 (V3.5 Changed)		
ltem No.	Item		Input Data	Default
01	Package Name	Read Only PKG Name	2	-
02	Firmware Version Number	Read Only 00.00 ~ 15	15	-
03	VOIPDB Software Version	Read Only DEV/PR/R DEV/PR/R	EL - 00.00.00.00.00.00 EL - FF.FF.FF.FF.FF	-
04	DSP Project Number	Read Only 00000000	FFFFFFF	-
05	Vocallo Firmware Version	Read Only 00.00.00) - FF.FF.FF.FF	-
06	OCT1010ID Version	Read Only 00.00.00) - FF.FF.FF.FF	-

Use Program 90-34 : Firmware Information to list the package type and firmware units installed in

Conditions

None

Feature Cross Reference

Program 90 : Maintenance Program 90-35 : Wizard Programming Level Setup

Level: IN

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 90-35 : Wizard Programming Level Setup** to set the maintenance level for Wizard Programming.

90

Input Data

Wizard Number		1 ~ 250		
ltem No.	Item		Input Data	Default
01	Maintenance Level	0 = All (Displa 3 = SB (Syste 4 = SA (Syste 5 = IN (Install 6 = MF (Manu	ay Data) em Administrator B) (Display Data) em Administrator A) (Display Data) er Level) (Display Data) ufacture Level) (Display Data)	0

Conditions

None

Feature Cross Reference

Program 90 : Maintenance Program 90-36 : Firmware Update Time Setting

Level: IN

Description

Program

90

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 90-36 : Firmware Update Time Setting** to define the data for the firmware update feature. This data is available to set from the PC Programming FW update feature.

The following firmware is available to update with this feature:

- main.bin
- Dspdbu.bin
- dsp.bin
- intradbu.bin is not supported

Input Data

ltem No.	Item	Input Data	Default	Description
01	Firmware Update Sched- ule Time	Read Only: Year : 0 ~ 99 Month : 0 ~ 12 Day : 00 ~ 31 Hour : 00 ~ 23 Minute : 00 ~ 59	0	Set the time to update the firmware us- ing a compact flash card. Time registration fails if an expired time is registered.
02	Update mode	Read Only: 0 = Non Active 1 = Activated	0	Activate the Firmware Update feature. If this setting is 1, new firmware on the compact flash card updates according to the setting at 90-36-01.
03	Update Report	Read Only: Maximum 256 charac- ters	-	Output a report when the update is executed and saves one copy on the system. If a new update occurs, the new report overwrites the old report. Refer to the Sample Report on page 2-584 shown.

Sample Report

Result	Report Display
Update Success	Update Success
Update Fail	Update is fail. Since 'A' drive is not available.
Update Fail	Update is fail. Since main up is not exist on A drive.
Update Fail	Update is fail. Since Time is expired.

Conditions

None

Feature Cross Reference

None

Program

Program 90 : Maintenance Program 90-37 : Set Temporary License

Level:

<u>IN</u>

(This Program is available for V4.0 or higher)

Program

90

Use **Program 90-37 : Set Temporary License** to set the effective days of the temporary license.

Input Data

Description

ltem No.	Item	Input Data	Default
01	Set Number of Days for Temporary License	00 ~ 10 days 00 = Temporary license is invalid	0

Conditions

• Switch reset is required for changes to take effect.

Feature Cross Reference

Program 90 : Maintenance Program 90-38 : User Programming Data Level Setup

Level: <u>IN</u>

Description

Use **Program 90-38 : User Programming Data Level Setup** sets system data to turn on/off each User Programming Feature.

Input Data

ltem No.	ltem	Input Data	Default	Related Program
01	Time setting	0 = Turn Off 1 = Turn On	1 = Turn On	10-01 (11-10-03)
02	Change of music on hold tone	0 = Turn Off 1 = Turn On	1 = Turn On	10-04 (11-10-02)
03	Automatic Night Service Pat- tern	0 = Turn Off 1 = Turn On	1 = Turn On	12-02
04	Weekly Night Service Switch- ing	0 = Turn Off 1 = Turn On	1 = Turn On	12-03
05	Text Data for Night Mode	0 = Turn Off 1 = Turn On	1 = Turn On	12-07
06	Holiday Night Service Switching	0 = Turn Off 1 = Turn On	1 = Turn On	12-04
07	DISA User ID Setup	0 = Turn Off 1 = Turn On	1 = Turn On	25-08
08	Mail Box Setup	0 = Turn Off 1 = Turn On	1 = Turn On	40-02
09	Text Messages Setup	0 = Turn Off 1 = Turn On	1 = Turn On	20-16
10	Incoming Ring Group Setup	0 = Turn Off 1 = Turn On	1 = Turn On	22-04
11	Abbreviated Dial Number and Name	0 = Turn Off 1 = Turn On	1 = Turn On	11-10-04 13-04
12	Night-mode switching Other Group	0 = Turn Off 1 = Turn On	1 = Turn On	11-10-12
13	DSS Key Assignment	0 = Turn Off 1 = Turn On	1 = Turn On	30-03
14	Doorphone Ringing Assign- ment	0 = Turn Off 1 = Turn On	1 = Turn On	32-02
15	Extension Numbering	0 = Turn Off 1 = Turn On	1 = Turn On	11-02
16	Extension Name	0 = Turn Off 1 = Turn On	1 = Turn On	15-01-01
17	Night-mode switching Own Group	0 = Turn Off 1 = Turn On	1 = Turn On	11-10-01

90

ltem No.	Item	Input Data	Default	Related Program
18	Call Forward-Immediate/No Answer /Both Ring	0 = Turn Off 1 = Turn On	1 = Turn On	11-11-01 11-11-03 11-11-05
19	Call Forward-Busy	0 = Turn Off 1 = Turn On	1 = Turn On	11-11-02
20	Trunk Incoming Ring Tone	0 = Turn Off 1 = Turn On	1 = Turn On	11-11-20 15-02-02
21	Internal Incoming Ring Tone	0 = Turn Off 1 = Turn On	1 = Turn On	11-11-20 15-02-03
22	Display Language Selection	0 = Turn Off 1 = Turn On	1 = Turn On	15-02-01
23	Toll Restriction Override Password	0 = Turn Off 1 = Turn On	1 = Turn On	21-07
24	User Programming Pass- word	0 = Turn Off 1 = Turn On	1 = Turn On	90-28
25	Programmable Function Key	0 = Turn Off 1 = Turn On	1 = Turn On	15-07
26	Virtual Extension Ring As- signment	0 = Turn Off 1 = Turn On	1 = Turn On	15-09
27	One Touch Key Assignment	0 = Turn Off 1 = Turn On	1 = Turn On	15-14
28	Trunk Name	0 = Turn Off 1 = Turn On	1 = Turn On	14-01-01
29	Automatic Transfer per Trunk	0 = Turn Off 1 = Turn On	1 = Turn On	11-10-06 11-10-07
30	SPD Area No.	0 = Turn Off 1 = Turn On	1 = Turn On	11-10-08 24-04
31	Telephone Data Copy	0 = Turn Off 1 = Turn On	1 = Turn On	92-01
32	Dial in Name	0 = Turn Off 1 = Turn On	1 = Turn On	22-11-03
33	LCD Line Key Name Assign- ment	0 = Turn Off 1 = Turn On	1 = Turn On	15-20
34	IntraMail Station Mailbox Op- tions	0 = Turn Off 1 = Turn On	1 = Turn On	47-02

Conditions

None

Feature Cross Reference

Maintenance

Program 90 : Maintenance Program 90-39 : Virtual Loop Back Port Reset

Level: IN

Description

Note: This program is available only via telephone programming and not through PC Programming. Use **Program 90-39 : Virtual Loop Back Port Reset** to reset to initial status.

Input Data

Item No.	Item	Input Data	Default
01	Virtual Loop Back Reset	[Reset?] : Dial 1 + press Hold (Press Hold only to cancel.)	-

Conditions

None

Feature Cross Reference

• PC Programming

Program

Program 90 : Maintenance Program 90-41 : Server Setting to Update Terminal Local Data

Level: <u>IN</u>

Description

Program

90

Input Data

	Server Information	1 ~ 13	
ltem No.	ltem	Input Data	Default
01	Server Address Type	0 = IPv4 1 = IPv6	0
02	Server Address	IPv4 form (xxx.xxx.xxx) IPv6 form (xxxx : xxxx : xxxx: xxxx)	None
03	Port Number	0 ~ 65535	0

Use Program 90-41 : Server Setting to Update Terminal Local Data to define the Primary DNS

Server address, the Secondary DNS Server address and the Data Roaming Server address.

Conditions

None

Feature Cross Reference

Program 90 : Maintenance Program

90-42 : DR700 Multiline Terminal Version Information

Level: IN

Description

Use **Program 90-42 : DR700 Multiline Terminal Version Information** to set the hardware version and firmware version of the DR700 MLT Terminal.

Input Data

Terminal Type	1 ~ 3 = Not used 4 = IP4WW-24TIXH	
---------------	--------------------------------------	--

ltem No.	ltem	Input Data	Default
01	Software Version	00.00.00 ~ FF.FF.FF	00.00.00.00
02	Hardware Version	00.00.00.00 ~ FF.FF.FF.FF	00.00.00.00

Conditions

None

Feature Cross Reference

None

Program

Program 90 : Maintenance Program 90-43 : Deleting Terminal License of DR700

Level:

Description

Program

90

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 90-43 : Deleting Terminal License of DR700** to delete the terminal license information delivered to the DR700 terminal.

Input Data

Extension Number		Up to eight dig	Up to eight digits	
ltem No.	Item	Input Data	Default	
01	Delete Terminal License	[Delete?] : Dial 1 + press Hold (Press Hold only to cancel.)	-	

Conditions

None

Feature Cross Reference
Program 90 : Maintenance Program 90-44 : Deleting Terminal License of TCP Interface

Level: IN

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 90-44 : Deleting Terminal License of TCP Interface** to delete the terminal license information delivered to the terminal with a TCP interface.

90

Program

Input Data

License Delete Code	000-000-000
	~ 999-999-999

ltem No.	Item	Input Data	Default
01	Delete Terminal License	[Delete?] : Dial 1 + press Hold (Press Hold only to cancel.)	-

Conditions

None

Feature Cross Reference

Program 90 : Maintenance Program

90-45 : Temporary Password Change for Multiline Telephone

Level:

Program

90

Description

Note: This program is available via telephone programming and WebPro not through PC Programming.

Use **Program 90-45 : Temporary Password Change for Multiline Telephone** to change the Temporary Password that is set in the Encryption function.

Input Data

ltem No.	Item	Input Data	Default
01	Temporary Password Change Re- quest	00.00.00.00 ~ FF.FF.FF.FF Change? (Yes = 1)	00.00.00.00

Conditions

• This Program is activated when the Program 10-46-07 set to "1".

Feature Cross Reference

Program 90 : Maintenance Program 90-50 : System Alarm Display Setup

Level: <u>IN</u>

Description

Use Program 90-50 : System Alarm Display Setup to set the system alarm report display.

Input Data

Index Number	01 ~ 50	

ltem No.	Item	Input Data	Default
01	System Alarm Display Telephone	Up to eight digits	No Setting

Conditions

None

Feature Cross Reference

00

00

Program 90 : Maintenance Program 90-51 : Alarm Setup for Maintenance Exchange

Level: <u>IN</u>

Description

exchange of parts that need regular maintenance.

Program

90

Input Data

03

04

Month

Day

Index		1 ~ 10		
		1		
ltem No.	ltem		Input Data	Default
01	Display Name	Up to 16 ch	aracters	Refer below
02	Year	00 ~ 99		00

01 ~ 12

01~31

Use Program 90-51 : Alarm Setup for Maintenance Exchange to set the day for the maintenance

Index	Default	
01	No setting	
02	Backup battery	
03	No setting	
04 ~ 10	No setting	

Conditions

None

Feature Cross Reference

Program 90 : Maintenance Program 90-52 : System Alarm Save

Level: IN

Description

Note: This program is available only via telephone programming and not through PC Programming. Use **Program 90-52 : System Alarm Save** for the system alarm output operation.

Input Data

ltem No.	ltem	Input Data	Default
01	Save All Alarm Reports	Print All? (1 = Yes)	-
02	Save New Alarm Reports	Print New? (1 = Yes)	-

Conditions

None

Feature Cross Reference

_

Program 90 : Maintenance Program 90-53 : System Alarm Clear

Level: IN

Program

90

Desc	ription				
Note: Th	Note: This program is available only via telephone programming and not through PC Programming.				
Use Pro	Use Program 90-53 : System Alarm Clear to clear the system alarm.				
Input D	Input Data				
ltem No.	ltem	Input Data	Default		

All Clear? (1 = Yes)

Conditions

01

None

Feature Cross Reference

Clear All Alarm Reports

Program 90 : Maintenance Program 90-54 : PC/Web Programming

Level: IN

Description

Use Program 90-54 : PC/Web Programming sets parameters for PC and Web Programming.

Input Data

ltem No.	ltem	Input Data	Description	Default
01	Web Pro TCP port number	1 ~ 65535	The port number of TCP of the Web pro- gramming is set. The port number of new TCP is not reflected from the Web Pro to the logout of all users of the Web Pro who is logging in the system after data is changed in the setting.	80
02	PC Pro TCP port Number	1 ~ 65535	The port number of TCP of the PC pro- gramming is set. The port number of new TCP is not reflected from the PCPro to the logout of all users of the PCPro who is log- ging in the system after data is changed in the setting.	8000

Conditions

None

Feature Cross Reference

• PC Programming

0

Program 90 : Maintenance Program 90-55 : Free License Select

Level: <u>IN</u>

Program

90

Description Note: This program is available only via telephone programming and not through PC Programming. Use Program 90-55 : Free License Select to validate the Free License. Input Data Input Data Default

0 = Stop 1 = Start

Conditions

01

None

Feature Cross Reference

Start Free License

Program 90 : Maintenance Program 90-56 : NTP Setup

Level: IN

Description

Use Program 90-56 : NTP Setup to set the NTP.

Input Data

ltem No.	ltem	Input Data	Default
01	NTP Synchronize	0 = No 1 = Yes	0
02	Server Address	IPv4 form : xxx.xxx.xxx IPv6 form : xxxx.xxx.xxxx.xxxx.xxx	No Setting

Conditions

None

Feature Cross Reference

None

Program

90

Program 90 : Maintenance Program 90-57 : Backup Recovery Data

Level:

<u>SA</u>

Description

Program

90

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 90-57 : Backup Recovery Data** to backup the system data in the Compact Flash memory on the CPU and to make the recovery data.

Input Data

	Data ID		1~5		
Item	ltem		Input Data		Default

ltem No.	Item	Input Data	Default
01	Backup Recovery Data	[Backup?] : Dial 1 + press Hold (Press Hold only to cancel.)	-

Conditions

None

Feature Cross Reference

Program 90 : Maintenance Program 90-58 : Restore Recovery Data



Description

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 90-58 : Restore Recovery Data** to select the recovery data stored in the Compact Flash memory of the CPU. After this command is executed, the system restarts automatically.

Input Data

Data ID	1~5

ltem No.	Item	Input Data	Default
01	Restore Recovery Data	[Restore & Reset?] : Dial 1 + press Hold (Press Hold only to cancel.)	-

Conditions

None

Feature Cross Reference

None

Program

90

Program 90 : Maintenance Program 90-59 : Delete Recovery Data

Level:

<u>SA</u>

Description

Program

90

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 90-59 : Delete Recovery Data** to select and delete the recovery data stored in the Compact Flash memory of the CPU.

Input Data

Data ID		1~5			
Item	ltem		Input Data		Default

ltem No.	ltem	Input Data	Default
01	Delete Recovery Data	[Delete?] : Dial 1 + press Hold (Press Hold only to cancel.)	-

Conditions

None

Feature Cross Reference

Program 90 : Maintenance Program 90-60 : T1/ISDN Layer Status Information

Level: <u>IN</u>

Description

Use **Program 90-60 : T1/ISDN Layer Status Information** to display layer status information for T1 packages.

Input Data

Slot No.		00 ~ 15 (V3.5 Cha	00 ~ 15 (V3.5 Changed)	
ltem No.	Item	Input Data	Default	
01	Link Status	Read Only: - = No Link 0 = Link N/A = No card seen in slot	None	

Conditions

This program can be viewed in WebPro or PC Pro. (V3.0 or higher)

Feature Cross Reference

None

90

Program 90 : Maintenance Program 90-62 : Security ID Information

Level:

Program

90

Description Note: This program is available only via telephone programming and not through PC Programming. Use Program 90-62 : Security ID Information to view the information for Security ID. Input Data Item Input Data Default

ltem No.	ltem	Input Data	Default
01	Security ID	Read Only: 0 ~ 9, A ~ F (Maximum 32 characters)	-

Conditions

None

Feature Cross Reference

Program 90 : Maintenance Program 90-63 : DR700 Control

Level: IN

Description

Use Program 90-63 : DR700 Control to adjust settings of the DR700.

Input Data

ltem No.	Item	Input Data	Default
01	Priority Timer	0 ~ 255	80

Conditions

None

Feature Cross Reference

None

Program

90

Program 90 : Maintenance Program

90-65 : 1st Party CTI Authentication Password Setup

Level: <u>SA</u>

Description

Use **Program 90-65 : 1st Party CTI Authentication Password Setup** to set the authentication password.

Input Data

Program

90

ltem No.	Item	Input Data	Description	Default
01	Password	Up to 16 characters	Sets the authentication password when the 1st Party CTI application is connected to the system via a NAT router. If a pass- word is not set, the system does not certify it.	nec-i

Conditions

None

Feature Cross Reference

Program 90 : Maintenance Program 90-66 : FTP Firmware Update setup

Level:

Description

Use **Program 90-66 : FTP Firmware Update setup** to setup the Login info to connect to the FTP Server.

Input Data

ltem No.	Item	Input Data	Description	Default
01	User Name	Up to 32 characters		SLSYSTEM
02	Password	Up to 32 characters		Dra#0ftp
03	FTP Server Host Name	Up to 255 characters	Input URL or IP Address of FTP Server. Use xxx.xxx.xxx format in case of IP Address.	ftp.necii.com
04	FTP Server TCP Port	0 ~ 65535		21
05	DNS Primary Address	0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255255.254 192.0.0.1 ~ 223.255.255.254		0.0.0.0
06	DNS Secondly Ad- dress	0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255255.254 192.0.0.1 ~ 223.255.255.254		0.0.0.0

Conditions

None

Feature Cross Reference

None

Program

Program 90 : Maintenance Program 90-67 : Backup Data Auto-save Interval Time Set

Level: <u>IN</u>

Description

Program

90

Use **Program 90-67 : Backup Data Auto-save Interval Time Set** to set time interval D-RAM data that is saved in F-ROM memory.

D-RAM memory : Configuration information such as call transfer and Do Not Disturb.

Input Data

ltem No.	Item	Input Data	Default
01	Interval time	0 ~ 255 0 = Do not Auto-save 1 = 30 min 2 = 60 min 3 = 90 min : 255 = 30 min (127 hr)	48 (24 hr)

Conditions

None

Feature Cross Reference

Program 90 : Maintenance Program 90-68 : Side Tone Auto Setup

Level: IN

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use Program **90-68** : **Side Tone Auto Setup** to setup the volume level of Side Tone for each Analog Trunk Port.

This program will change the setting of "PRG 81-07 CODEC Filter Setup for analog Trunk Port" If the Analog Port is in used or if it is other than a Analog Trunk Port then it will give out the error message.

Input Data

Item No.	ltem	Input Data	Description	Default	Related Program
01	Adjustment Start	Trunk Port Number 001 ~ 084	This will start the Adjustment of Side Tone for each Analog Trunk Port. If it is successful it will change the PRG 81-07. If it is successful it will ask to change it for all Analog Trunk Port If you select to change the Setting All Analog Trunk Port it will change all the Port in 81-07.	No Setting	81-07-01 21-01-05 21-01-06 14-01-07 21-06-06 21-05-07
02	1 digit data	Dial (1 dight)	This setting will ask to use the digit after Line is retrieved.	0	-

Conditions

None

Feature Cross Reference

None

Program

90

Program 92 : Copy Program 92-01 : Copy Program

Level: IN

Description

Program

92

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 92-01 : Copy Program** to copy the data for one program to another multiline terminal, port, group, or other number. Refer to the following charts to see which programs can be copied.

Input Data

	Program Number		XX ~ XX	
Item No.	Item		Input Data	Description
	Source Number	 For Trunk 001 ~ 084 For Trunk Number 0 For Extens ber Maxim For Depar partment (For DSS : ~ 12 For Door F ber : 1 ~ 6 	Base : Trunk Port Number Group Base : Trunk Group 1 ~ 25 sion Base : Extension Num- num eight digits tment Group Base : De- Group Number 01 ~ 32 DSS Console Number 01 Phone: Door phone num-	Enter the extension, trunk, group or other number from which the data is to be copied.
01	Destination Number (From)			Enter the first extension, trunk, group or other number to which the information is to be copied.
	Destination Number (To)			Enter the last extension, trunk, group or other number to which the information is to be copied. If the information is being copied only to one extension, trunk, group or other number, enter the information entered in the Desti- nation Number (From) entry.

The Copy Program is applicable only for the following programs :

Trunk Port Base

Program No.	Program Name
14-01	Trunk Basic Data Setup
	Copy all data except Trunk Name (Item 01).
14-02	Analog Trunk Data Setup
14-04	Behind PBX Setup
14-08	Music on Hold Source for Trunks
14-09	Conversation Recording Destination for Trunk
20-30	Timer Class for Trunk
21-03	Trunk Group Routing for Trunks
21-12	ISDN Calling Party Number Setup for Trunk
21-21	Toll Restriction for Trunks
21-22	CO Message Waiting Indication

Program No.	Program Name
22-02	Incoming Service Type Setup
22-03	Trunk Ring Tone Setup
22-05	IRG Assignment for Normal Ring Trunk
22-08	Second IRG Setup for Unanswered DIL / IRG
31-05	Incoming Ring Tone Audible on External Speaker
81–07	Codec Filter Setup for Analog Trunk Port

Trunk Group Base

Program No.	Program Name	
35-03	SMDR Port Assignment for Trunk Group	

Extension Base

Program No.	Program Name
15-01	Extension Basic Data Setup (include Virtual Extension)
	Copy all data except extension name (item 01).
15-02	Multiline Telephone Basic Data Setup
15-03	Single Line Telephone Basic Data Setup
15-06	Trunk Access Map for Extension
15-07	Programmable Function Key
15-08	Incoming Virtual Extension Ring Tone Setup
15-09	Virtual Extension Ring Assignment
15-10	Incoming Virtual Extension Ring Tone Order Setup
15-11	Virtual Extension Delayed Ring Assignment
15-12	Conversation Recording Destination for Extension
15-17	CO Message Waiting Indication
15-18	Virtual Extension Key Enhancement Options
20-06	Class of Service for Extension
20-29	Timer Class for Extension
21-02	Trunk Group Routing for Extensions
21-04	Toll Restriction Class for Extensions
21-11	Hotline Assignment
23-02	Call Pickup Groups
23-03	Ringing Line Preference
23-04	Ringing Line Preference for Virtual Extensions
24-03	Park Group Assignment
31-02	Internal Paging Group Assignment
82-14	Handset/Headset Gain Setup for Multi-Line Telephone

92

2-613

Department Base

Program No.	Program Name
16-01	Department (Extension) Group Basic Data Setup
	Copy all data except Group Name (Item 01).
35-04	SMDR Port Assignment for Department Group

DSS Console Base

Program No.	Program Name	
30-01	DSS Console Operation Mode	
30-03	DSS Key Assignment	

92

Door Box Base

Program No.	Program Name
32-02	Door Box Ring Assignment

Conditions

• Using this program to copy a multiline terminal Programmable Function Keys, copies all keys whether or not they exist on the terminal to which the programming is being copied. This may cause confusion when trying to define a key which is already defined but which does not exist on the terminal (displays as DUPLICATE DATA). It is recommend to either clear these non-existent keys or copy only from an extension which has the same or fewer numbers of keys than the extension to which the programming is being copied.

Feature Cross Reference

Program 92 : Copy Program 92-02 : Delete All Extension Numbers

Level: IN

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 92-02 : Delete All Extension Numbers** to delete all extension numbers <Program 11-02>, <Program 11-04>. However, the extension number of the first port is not deleted.

Input Data

ltem No.	ltem	Input Data	Description	Default
01	Extension Number	Delete Yes : 1	[Dial 1] + Hold key (Only press Hold key is canceled.)	-

Conditions

None

Feature Cross Reference

Program 92 : Copy Program 92-03 : Copy Program by Port Number

Level: IN

Description

Program

92

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 92-03 : Copy Program by Port Number** to copy extension and the data of each outside line.

Input Data

Program Number			XX-XX	
	-			
Item No.	Item		Input Data	Description
01	Source Number	For Trunk Base : Trunk Port Number 001 ~ 084		Enter the port number from where the data is to be copied.
02	Destination Number (From)	 For Trunk (Number 01 For Extens (V3.5 Char 	aroup Base : Trunk Group ~ 25 ion Number : 001 ~ 128 nged) firtual Extension : 01 ~ 178 nged) ment Group Base : De- iroup Number 01 ~ 32 (DSS Console Number 01	Enter the first port number to where the information is to be copied
03	Destination Number (To)	 Kiele of Mail Including N (V3.5 Chail For Depart partment C For DSS : ~ 12 		Enter the last port number to where the information is to be copied. If the information is to be copied only to one port, enter the information entered in the Desti- nation Number (From) entry.

Refer to Program 92-01 Copy Program on page 2-612 for program that can be copied.

Conditions

None

Feature Cross Reference

Program 92 : Copy Program 92-04 : Extension Data Swap

Level: IN

Description

Note: This program is available only via telephone programming and not through PC Programming. Use **Program 92-04 : Extension Data Swap** to swap data between two extensions.

Input Data

Item No.	Item	Input Data
01	1st Extension Number	Up to eight digits.
	2nd Extension Number	

The following table lists Programs that use the Extension Data Swap function.

Program Number	Program Name
11-02	Extension Numbering
12-05	Night Mode Group Assignment for Extensions
13-03	Abbreviated Dial Group Assignment for Extensions
13-06	Station Abbreviated Dial Number and Name
15-01	Extension Basic Data Setup
15-02	Multi-Line Telephone Basic Data Setup
15-03	Single Line Telephone Basic Data Setup
15-06	Trunk Access Map for Extension
15-07	Programmable Function Key
15-08	Incoming Virtual Extension Ring Tone Setup
15-09	Virtual Extension Ring Assignment
15-10	Incoming Virtual Extension Ring Tone Order Setup
15-11	Virtual Extension Delayed Ring Assignment
15-12	Conversation Recording Destination for Extension
15-14	Programming One-Touch Keys
15-17	CO-Message Waiting Indication
15-18	Virtual Extension Key Enhance Options
16-02	Department Group Assignment for Extensions
20-06	Class of Service for Extension
20-29	Timer Class for Extensions
21-02	Trunk Group Routing for Extension
21-04	Toll Restriction Class for Extension
21-07	Toll Restriction Override Password Setup
21-10	Dial Block Restriction Class per Extensions

Program

Program

92

Program Number	Program Name
21-11	Hotline Assignment
21-13	ISDN Calling Party Number Setup for Extension
21-15	Individual Trunk Group Routing for Extensions
21-18	IP Trunk (H.323) Calling Party Number Setup for Extension
21-19	IP Trunk (SIP) Calling Party Number Setup for Extension
21-20	SIP Trunk Call Discernment Setup for Extension
22-04	Incoming Ring Group Setup
22-06	Normal Incoming Ring Mode
23-02	Call Pickup Group
23-03	Ringing Line Preference
23-04	Ringing Line Preference of Virtual Extension
24-03	Park Hold Group Assignment
24-09	Call Forward Split Settings
26-04	ARS Class of Service
31-02	Internal Paging Group Assignment
41-02	ACD Agent Extension Assignment for ACD Group (V1.5 Added)
42-02	Hotel Extension Basic Data Setup
82-14	Handset/Headset Gain Setup for Multi-Line Telephone
90-28	User Programming Password Setup
92-05	Data Swap Password of each Extension Setup

Conditions

None

Feature Cross Reference

Program 92 : Copy Program 92-05 : Extension Data Swap Password

Level: IN

Description

Use **Program 92-05 : Extension Data Swap Password** to define the 4-digit password for each extension to allow Extension Data Swap.

Input Data

Extension Number			Up to eight digits.			
ltem No.	Item	Input Data		Description	Default	Related Program
01	Password	Fixed four digits (No setting at default)	Pass basis featu	word required on a per station when utilizing the station swap re.	No Setting	11-15-12

Conditions

None

Feature Cross Reference

Program 92 : Copy Program 92-06 : Fill Command

Level: IN

Description

Program

92

Use Program 92-06 : Fill Command to allocate the data of each extension number of each extension group or each table.

Input Data

	Program Number	XX - XX
Item No.	Item	Input Data
01	Source Number	Each extension port = 001 ~ 128 (V3.5 Changed) (Program 11-02)
	Destination Number (From)	Each virtual extension port = 01 ~ 50 (Program 11-04) Each extension group = 1~32 (Program 11-07)
Destination Number (To)		Each ACD Group = 1 ~ 2 (V1.5 Added)

The following table lists Programs that use the Fill Command function.

Program Number	Program Name
11-02	Extension Numbering
11-04	Virtual Extension Numbering
11-07	Extension (Department) Group Pilot Number
11-17	ACD Group Pilot Number (V1.5 Added)

Conditions

None

Feature Cross Reference

Program 92 : Copy Program 92-07 : Delete Command

Level: IN

Description

Use **Program 92-07 : Delete Command** to delete the data of each extension number of each extension group or each table.

Input Data

	Program Number	XX-XX	
Item No.	Item	Input Data	
01	Destination Number (From) Destination Number (To)	Each extension port = 001 ~ 128 (V3.5 Changed) (Program 11-02) Each virtual extension port = 01 ~ 50 (Program 11-04) Each extension group = 1~32 (Program 11-07) Each ACD Group = 1 ~ 2 (V1.5 Added)	

The following table lists Programs that use the Delete Command function.

Program Number	Program Name
11-02	Extension Numbering
11-04	Virtual Extension Numbering
11-07	Extension (Department) Group Pilot Number
11-17	ACD Group Pilot Number (V1.5 Added)

Conditions

None

Feature Cross Reference

Program 93 : System Information 93-01 : Day/Night Mode Information

Level:

SA

(This Program is available for V3.0 or higher)

Program

93

Description

Use Program 93-01 : Day/Night Mode Information to display day/night mode for night mode service group.

Input Data

	Night Mode Service Group No.		1~	1 ~ 4		
ltem	Item	Input Data	Description	Default	Related	
No.		-	•		Program	
01	Day/Night mode	1 = Mode 1 2 = Mode 2	Read Only: Indicates current day/night mode	No Setting	12-XX	

No.	nem	input Data	Description	Delault	Program
01	Day/Night mode	1 = Mode 1 2 = Mode 2 3 = Mode 3 4 = Mode 4 5 = Mode 5 6 = Mode 6 7 = Mode 7 8 = Mode 8	Read Only: Indicates current day/night mode per night mode service group.	No Setting	12-XX

Conditions

None

Feature Cross Reference

Maintenance

Program 93 : System Information 93-02 : Trunk Information

Level: SA

(This Program is available for V3.0 or higher)

Description

Use Program 93-02 : Trunk Information to display the setting of each trunk.

Input Data

Trunk Port Number	1 ~ 84

ltem No.	ltem	Input Data	Description	Default	Related Program
01	Set Automatic Transfer to Transfer	0 = Disable 1 = Enable	Read Only: Indicates Automatic Trunk Trasfer setting status.	No Setting	11-10-06
02	Trunk Port Disa- ble by Service code	0 = Disable 1 = Enable	Read Only: Indicates Trunk Port Disable (Busy out) status.	No Setting	11-10-27

Conditions

None

Feature Cross Reference

• Maintenance

Program 93 : System Information 93-03 : Extension Information

Level:

<u>SA</u>

(This Program is available for V3.0 or higher)

Program

93

Description

Use Program 93-03 : Extension Information to display the settings of each extension.

Input Data

Extension U	lp to 8 digits
-------------	----------------

ltem No.	ltem	Input Data	Description	Default	Related Program
01	Call Forward- All/No Answer/ BothRing	0 = Call Forwarding off 1 = Call Forwarding with Both Ringing 2 = Call Forwarding when No Answer 3 = Call Forwarding All Call	Read Only: Indicates Call Forward-All/No An- swer/BothRing setting statsus per extension.	No Setting	11-11-01 11-11-03 11-11-04 11-11-05 24-09-01
02	Call Forwarding Destination for Both Ring, All Call, No Answer	0 ~ 9, *, #, P, R, @ (Up to 36 digits)	Read Only: Indicates Call Forward-All/No An- swer/BothRing destination number set per extension.	No Setting	11-11-01 11-11-03 11-11-04 11-11-05 24-09-02
03	Call Forward- Busy	0 = Call Forward-Off 1 = Call Forward-Busy or No answer 2 = Call Forward-Busy	Read Only: Indicates Call Forward-Busy setting status per extension.	No Setting	11-11-02 11-11-04 24-09-01
04	Call Forwarding Busy destination	0 ~ 9, *, #, P, R, @ (Up to 36 digits)	Read Only: Indicates Call Forward-Busy desti- nation number set per extension.	No Setting	11-11-02 11-11-04 24-09-04
05	Call Forwarding – Follow-Me	0 = Disable 1 = Enable	Read Only: Indicates Call Forward-Follow-Me setting status per extension.	No Setting	11-11-07
06	Call Forwarding Follow-Me desti- nation	Extension Number (Up to 8 digits)	Read Only: Indicates Call forwarding follow-me extension number set per extension.	No Setting	11-11-07
07	Do Not Disturb	0 = No Setting 1 = DND External 2 = DND intercom 3 = DND Transfer 4 = DND All	Read Only: Indicates DND setting status per ex- tension.	No Setting	11-11-08
08	Message Waiting (Set)	Extension Number (Up to 8 digits)	Read Only: Indicates extension number which you set Message Waiting.	No Setting	11-11-09
09	Message Waiting (Rec)	Extension Number (Up to 8 digits)	Read Only: Indicates extension number when left Message Waiting.	No Setting	11-11-09

Program

93

ltem No.	ltem	Input Data	Description	Default	Related Program
10	Alarm Clock 1	0 = Disable 1 = Enable	Read Only: Indicates Alarm Clock 1 setting sta- tus.	No Setting	11-11-12
11	Preset time at Alarm 1	Time set in Alarm Clock 1. When PRG93-03-11 is "0", \[fillow] 00 \] is indicated.	Read Only: Indicates the time set in Alarm Clock 1.	No Setting	11-11-12
12	Alarm Clock 2	0 = Disable 1 = Enable	Read Only: No Setting Indicates Alarm Clock 2 setting status.		11-11-12
13	Preset Time at Alarm 2	Time set in Alarm Clock 2. When PRG93-03-11 is "0", \[find for comparison of comparis	Read Only: Indicates the time set in Alarm Clock 2.	No Setting	11-11-12
14	Forced Intercom Ring (ICM Call Type)	0 = Disable(Voice1) 1 = Enable(Signal)	Read Only: Indicates ICM Call Type per exten- sion.	No Setting	11-11-15 11-11-16
15	BGM	0 = Disable 1 = Enable	Read Only: Indicates BGM setting status per ex- tension.	No Setting	11-11-18
16	Key Touch Tone	0 = Disable 1 = Enable	Read Only:No SettingIndicates Key Touch Tone settingstatus per extension.		11-11-19
17	Dial Block	0 = Disable 1 = Enable	Read Only: No Setting Indicates Dial Block setting status per extension.		11-11-33
18	Repeat Dial	0 = Disable 1 = Enable	Read Only: No Setting Indicates Repeat Dial setting status per extension.		
19	Headset Mode Switching	0 = Disable 1 = Enable	Read Only:No SettingIndicates Headset Mode Switching setting status per extension.No Setting		11-11-65
20	Headset Ringing Mode Switching	0 = Disable 1 = Enable	Read Only: Indicates Headset Ringing Mode Switching setting status per exten- sion.	No Setting	11-11-43

Conditions

None

Feature Cross Reference

Maintenance

Program 93 : System Information 93-04 : Redial List

10

Level:

<u>SA</u>

(This Program is available for V3.0 or higher)

Program

93

Use Program 93-04 : Redial List to display the redial list of each extension.

Input Data

Description

Extension Number	Up to 8 digits
------------------	----------------

Redial Last Number

ltem No.	ltem	Input Data	Description	Default	Related Program
01	Redial Data	Dial Data 1 ~ 9, 0, *, #, P, R, @ (Up to 36 digits)	Read Only: Indicates the number stored in Out- going call history.	No Setting	15-02-13 15-02-39
02	Name	Up to 12 characters	Read Only: Indicates the name stored in Outgo- ing call hitory.	No Setting	15-01-01 13-04-02

Conditions

None

Feature Cross Reference

• Maintenance

Program 93 : System Information 93-05 : Department Group Information

Level: SA

(This Program is available for V3.0 or higher)

Description

Use **Program 93-05 : Department Group Information** to display the settings of each department group.

93

Input Data

Department Group Number			1 ~ 32			
ltem No.	ltem	Input Data		Description	Default	Related Program
01	Set Automatic transfer at De- partment Group call	0 = Disable 1 = Enable	Read Indica status	Only: ates Automatic transfer setting s per Department Group.	No Setting	11-11-25
02	Set Delayed transfer at De- partment Group call	0 = Disable 1 = Enable	Read Indica status	Only: ates Delayed transfer setting s per Department Group.	No Setting	11-11-28
03	Set DND at De- partment Group call	0 = Disable 1 = Enable	Read Indica Depa	Only: ates DND setting status per rtment Group.	No Setting	11-11-30

Conditions

None

Feature Cross Reference

Maintenance



Program


SL1100

Programming Manual

NEC Corporation

ISSUE 6.0