N E X P A T H

NexPath Telephony Server System Administration Guide Appendices

NTS SERVER HARDWARE LIMITED WARRANTY

THIS IS TO CERTIFY that the NexPath NTS Server hardware ("NTS Server") is hereby warranted to be free of all defects in material and workmanship for one (1) year from the date of initial purchase from NexPath. This Warranty does not apply to a defect caused by negligence, misuse, accidents, acts of God, or to any use not in accordance with the instructions and specifications published by NexPath Corporation ("NexPath"). Use of the NTS Server in emergency or time-critical or medical applications is not appropriate.

During the period of this Warranty, NexPath will repair or replace at our service center located in Santa Clara, California, any part proving defective in material or workmanship. All expenses related to replacing or repairing a defective part under this Warranty will be assumed by NexPath except for the cost of transporting the product to NexPath's service center, which shall be the responsibility of the buyer.

The buyer must notify NexPath of any defect, malfunction or nonconformity promptly upon discovery. Within 30 days after receiving the NTS Server from the buyer, NexPath will repair or replace the defective part, at its own option, provided that NexPath has found the NTS Server to be defective. CUSTOMER'S SOLE AND EXCLUSIVE REMEDY HEREUNDER SHALL BE LIMITED TO THE REPAIR OR REPLACEMENT SPECIFIED HEREIN.

The foregoing warranties are contingent upon (1) the proper use of the hardware in accordance with the instructions and specifications published by NexPath, (2) the purchase of the NTS Server from a dealer or distributor authorized by NexPath to sell the NTS Server, and (3) return of a properly completed Warranty Registration Card within 30 days of purchase; and may not apply to any NTS Server that has been repaired or modified by persons other than NexPath. The NTS Server Limited Warranty is non-transferable.

BUYER AGREES THAT ITS EXCLUSIVE REMEDIES, AND NEXPATH'S ENTIRE LIABILITY WITH RESPECT TO THE NTS SERVER, SHALL BE AS SET FORTH HEREIN. BUYER FURTHER AGREES THAT NEXPATH SHALL NOT BE LIABLE TO BUYER OR ANY THIRD PARTY FOR ANY DAMAGES, INCLUDING ANY LOST PROFITS, LOST SAVINGS, OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF BUYER'S USE OR INABILITY TO USE THE NTS SERVER OR THE BREACH OF ANY EXPRESS OR IMPLIED WARRANTY, EVEN IF THE BUYER HAS BEEN ADVISED OF THE POSSIBILITY OF THOSE DAMAGES.

THE EXPRESS WARRANTIES SET FORTH IN THIS AGREEMENT ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

NexPath Corporation
2988 Scott Boulevard
Santa Clara, CA 95054

This Warranty is effective only if the enclosed registration card is returned to NexPath within thirty (30) days of the date of initial purchase. NexPath neither assumes nor authorizes any representative or other person to assume for NexPath any other liability in connection with the sale or shipment of NexPath products.

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NTS/8-specific information

Lines connected when AC power is removed from the NTS/8 system

Outside line	During AC power off, connects to
outside line 1 (used as paging output in the default configuration)	inside line 1
outside line 2	inside line 3
outside line 3	inside line 4

TABLE A-1: **Connections made when AC power is removed**

Wiring worksheet for an NTS/8 system running the default configuration

Inside line	Name of user(s) (fill in)	Default user number	Default extension number	Default exit extension (VM)	Default password	During AC power-down, connects to:
1		1	301	501	1001	paging output
2		2	302	502	1002	none
3		99	300 (operator)	599	1099	outside line 2

TABLE A-2: **Wiring worksheet for NTS/8 systems, default configuration**

Inside line	Name of user(s) (fill in)	Default user number	Default extension number	Default exit extension (VM)	Default password	During AC power-down, connects to:
4		4	304	504	1004	outside line 3
5		5	305	505	1005	none

TABLE A-2: **Wiring worksheet for NTS/8 systems, default configuration**

Pin-out of the RJ11 jacks on the back panel of an NTS/8 system
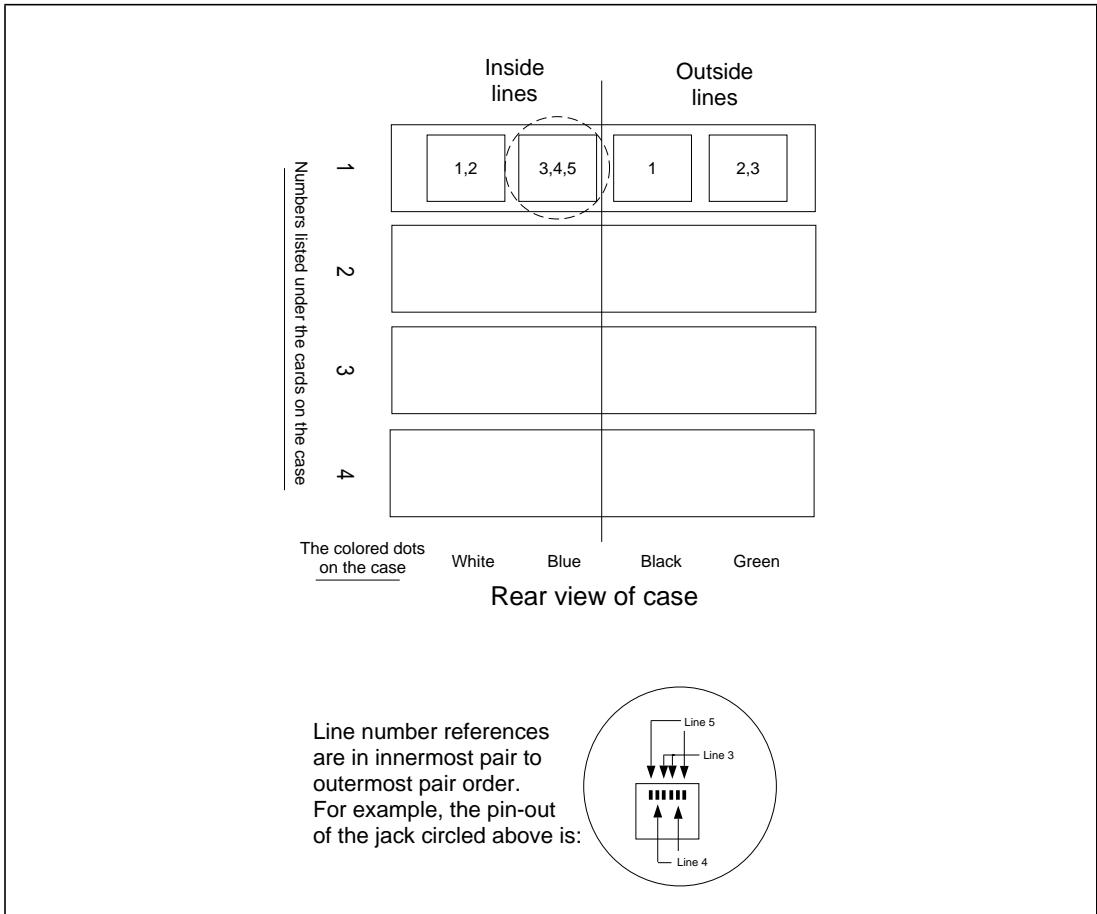
FIGURE A-1: **Pin-out of the RJ11 jacks on the back panel on an NTS/8 system**

Pin-out of the punch down block (66-block) and RJ11-to-50-pin cable PN3102 when used with card 1 of an NTS/8 system

Pin # (= ring)	Pin # (= tip)	Line #
Cable Pin # (ring/tip)	**Pair #**	**Line #**
26 / 1	1	Paging output (OL-1)
27 / 2	2	Outside line 2
28 / 3	3	Outside line 3
29 / 4	4	not used
30 / 5	5	not used
31 / 6	6	not used
32 / 7	7	not used
33 / 8	8	not used
34 / 9	9	not used
35 / 10	10	not used
36 / 11	11	Inside line 1
37 / 12	12	Inside line 2
38 / 13	13	Inside line 3
39 / 14	14	Inside line 4
40 / 15	15	Inside line 5
41 / 16	16	not used
42 / 17	17	not used

TABLE A-3: **Pin-out of the punch down block (66-block) and RJ11-to-50-pin cable PN3102 when used with card 1 of an NTS/8 system**

Pin # (= ring)	Pin # (= tip)	Line #
43	18	not used
18		
44	19	not used
19		
45	20	not used
20		
46	21	not used
21		
47	22	not used
22		
48	23	not used
23		
49	24	not used
24		
50	25	not used
25		

TABLE A-3: **Pin-out of the punch down block (66-block) and RJ11-to-50-pin cable PN3102 when used with card 1 of an NTS/8 system**

Break-out of the mini patch panel when used with an NTS/8 system and cable PN3102
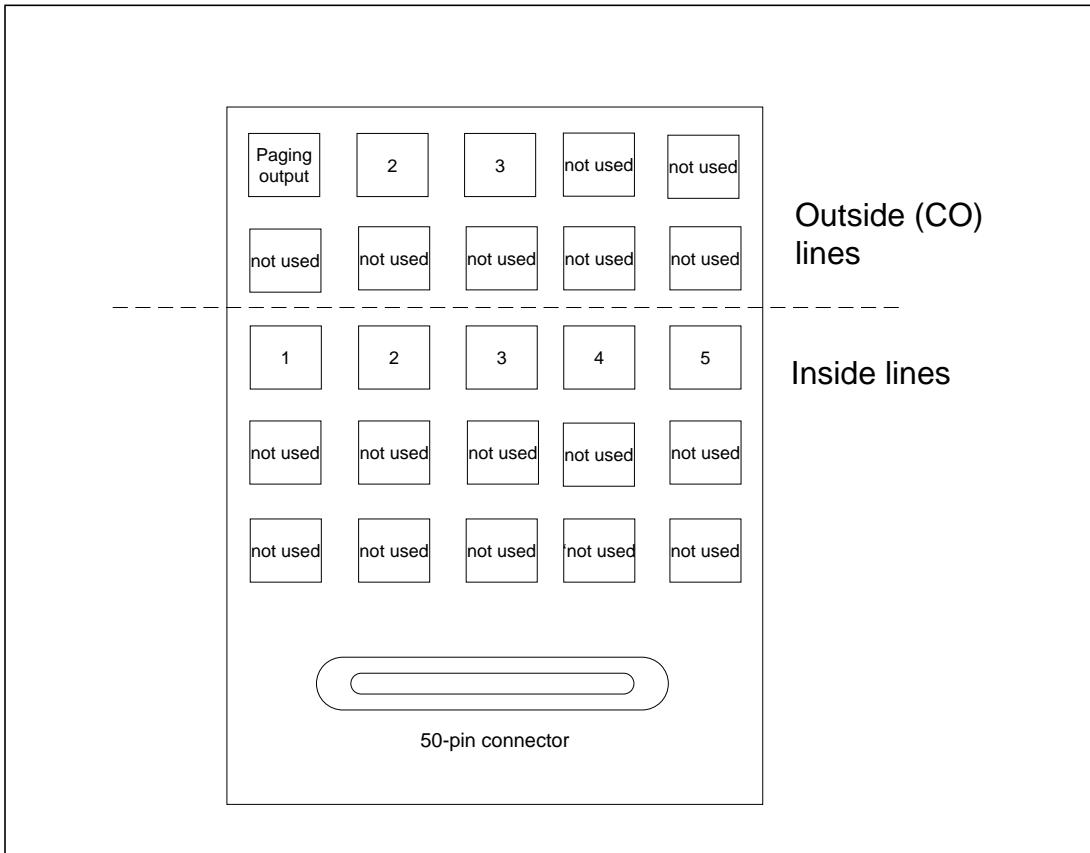
FIGURE A-2: **Break-out of the mini patch panel when used with an NTS/8 system and cable PN3102**

Default system configuration for an NTS/8 system

User #	User name	Change Day/ Night Ring?	Access Authorization	Barge- in	External feature access	Admin privileges	Initial password
0	Administrator	Yes	Allow All	No	Yes	Yes	1000
1	User1	No	Access Group 1	No	No	No	1001
2	User2	No	Access Group 1	No	No	No	1002
3	User3	No	Access Group 1	No	No	No	1003
4	User4	No	Access Group 1	No	No	No	1004
5	User5	No	Access Group 1	No	No	No	1005
99	Operator	Yes	Access Group 1	No	No	No	1099

TABLE A-4: **Telephone users**

Ext #	Line #	Owner user name	Day ring group	Night ring group	Secs to fwd	Max secs to ring	Ring cadence	Exit Ext (VM)	Extension name	In PB
111	OL-1	Administrator	No	No	20	20	none	No	Paging	Yes
202	OL-2	Administrator	No	No	20	20	none	No	OutsideLine_2	Yes
203	OL-3	Administrator	No	No	20	20	none	No	OutsideLine_3	Yes
300	IL-3	Operator	No	No	20	20	long ring	599	Operator	Yes
301	IL-1	User1	No	No	20	20	long ring	501	Person_at_Ext_ 301	Yes
302	IL-2	User2	No	No	20	20	long ring	502	Person_at_Ext_ 302	Yes
303	IL-3	User3	No	No	20	20	long ring	503	Person_at_Ext_ 303	Yes
304	IL-4	User4	No	No	20	20	long ring	504	Person_at_Ext_ 304	Yes

TABLE A-5: **System extensions**

Ext #	Line #	Owner user name	Day ring group	Night ring group	Secs to fwd	Max secs to ring	Ring cadence	Exit Ext (VM)	Extension name	In PB
305	IL-5	User5	No	No	20	20	long ring	505	Person_at_Ext_ 305	Yes
306	IL-3	Operator	No	No	20	20	long ring	599	Operator	Yes
307	IL-3	Operator	No	No	20	20	long ring	599	Operator	Yes
308	IL-3	Operator	No	No	20	20	long ring	599	Operator	Yes
411	IL-3	Operator	No	No	20	20	long ring	599	Operator	Yes
611	IL-3	Operator	No	No	20	20	long ring	599	Operator	Yes

TABLE A-5: **System extensions**

Voice Mail Extension	Owner User Number	Owner User Name	Max Message Size in Secs	Voice Mail Directory name	Max Voice Mail Box Size in MB	Voice Mail Box Phonebook Name	In PB?	Allow Email
130	0	Administrator	0	/130	10	Day_Attendant_ Msg	No	No
131	0	Administrator	0	/131	10	Night_Attendant_ Msg	No	No
500	0	Administrator	120	/500	10	Administrator_V MB	Yes	No
501	1	User1	120	/501	10	User1_VMB	Yes	No
502	2	User2	120	/502	10	User2_VMB	Yes	No
503	3	User3	120	/503	10	User3_VMB	Yes	No
504	4	User4	120	/504	10	User4_VMB	Yes	No
505	5	User5	120	/505	10	User5_VMB	Yes	No
599	99	Operator	120	/599	30	Operator_VMB	Yes	No

TABLE A-6: **System voice mail boxes**

Line Number	Line Type	Day Action	Night Action	Hold Music?	Access Auth Group	Secure Line (no barge-in or beeps)?	Always Decode Caller-ID?	Centrex/CLASS/Normal Line
Outside Line 1	Paging Line	No Action	No Action	No	Lockout Group 1	No	No	Normal
Outside Line 2	Outside Line	120	121	Yes	Lockout Group 1	No	No	Normal
Outside Line 3	Outside Line	120	121	Yes	Lockout Group 1	No	No	Normal

TABLE A-7: **System outside line configuration**

Line Number	Line Type	Day Action	Night Action	Hold Music?	Access Auth Group	Secure Line (no barge-in or beeps)?	Seize Group
Inside Line 1- Inside Line 5	Inside Line	Dial Tone	Dial Tone	No	Lockout Group 1	No	All Lines

TABLE A-8: **System inside line configuration**

# Digits in extension	3
# Digits in password	4
# Digit in Ring Group	1
Max Hold Stack Depth	3
Energy Detect Threshold	150
Max # of Conferences	2

TABLE A-9: **System constants**

Access authorization group number	Type	Area codes (or 011)
1	Deny	900
2	Allow	800 411 911 011

TABLE A-10: **Access authorization groups**

Auto attendant extension	Program name
120	Day_Program.aa
121	Night_Program.aa

TABLE A-11: **Auto attendant programs**

Name	Seize Order
All Lines	Outside Lines OL-3, OL-2

TABLE A-12: **Outside line seize order**

Group number	Inside lines in group
0	Lines IL-1, IL-2, IL-3, IL-4, IL-5
1	Lines OL-1

TABLE A-13: **Ring groups**

Operator extension	300
Lowest park orbit	100
Highest park orbit	110
Dialing Timeout (secs)	15

TABLE A-14: **System globals**

Dial Tone Timeout (secs)	90
Busy Signal Timeout (secs)	60
Reminder Tone Timeout (secs)	45
Voice Mail Exclusive Access	No
CPC Delay (secs)	1
Audio Compression Constant	650
Central Office Hook Flash Time (ms)	750
Conference Time Limit (Min)	30
Exit Voice Mail Extension	120
Voice Mail Waiting Indicator Refresh Time (minutes)	20
Play Second Standard VM Greeting	Yes

TABLE A-14: **System globals**

An incoming caller enters	The call is connected to
0	Operator (extension 300)
1	Extension 301
2	Extension 302
3	No action (waits for rest of extension number). Incorrect or incomplete entries take the caller back to the beginning of the auto-attendant greeting.
4	Extension 304
5	No action (waits for rest of a voice mail extension number). Incorrect or incomplete entries take the caller back to the beginning of the auto-attendant greeting.
6	Extension 306 (maps to the operator)
7	Extension 307 (maps to the operator)
8	Extension 308 (maps to the operator)
9	Operator (extension 300)
*	Operator (extension 300)
#	Operator (extension 300)

TABLE A-15: **Default configuration for both the day and night auto-attendants**

NTS/16-specific information

Lines connected when AC power is removed from the NTS/16 system

Outside line	During AC power lost, connects to
outside line 1 (used as paging output in the default configuration)	inside line 1
outside line 2	inside line 3
outside line 3	inside line 4
outside line 4 (used as the hold music input in the default configuration)	inside line 6
outside line 5	inside line 8
outside line 6	inside line 9

TABLE B-1: **Connections made when AC power is removed**

Wiring worksheet for an NTS/16 system running the default configuration

Inside line	Name of user(s) (fill in)	Default user number	Default extension number	Default voice mail extension	Default password	During AC power-down, connects to:
1		1	301	501	1001	paging output
2		2	302	502	1002	none
3		99	300 (operator)	599	1099	outside line 2
4		4	304	504	1004	outside line 3
5		5	305	505	1005	none
6		6	306	506	1006	hold music input
7		7	307	507	1007	none
8		8	308	508	1008	outside line 5
9		9	309	509	1009	outside line 6
10		10	310	510	1010	none

TABLE B-2: **Wiring worksheet for NTS/16 systems, default configuration**

Pin-out of the RJ11 jacks on the back panel of an NTS/16 system

Inside lines   Outside lines

Numbers listed under the cards on the case

	Inside lines		Outside lines	
1	1,2	3,4,5	1	2,3
2	6,7	8,9,10	4	5,6
3				
4				

The colored dots on the case   White   Blue   Black   Green

Rear view of case

Line number references are in innermost pair to outermost pair order. For example, the pin-out of the jack circled above is:

Line 5
Line 3
Line 4
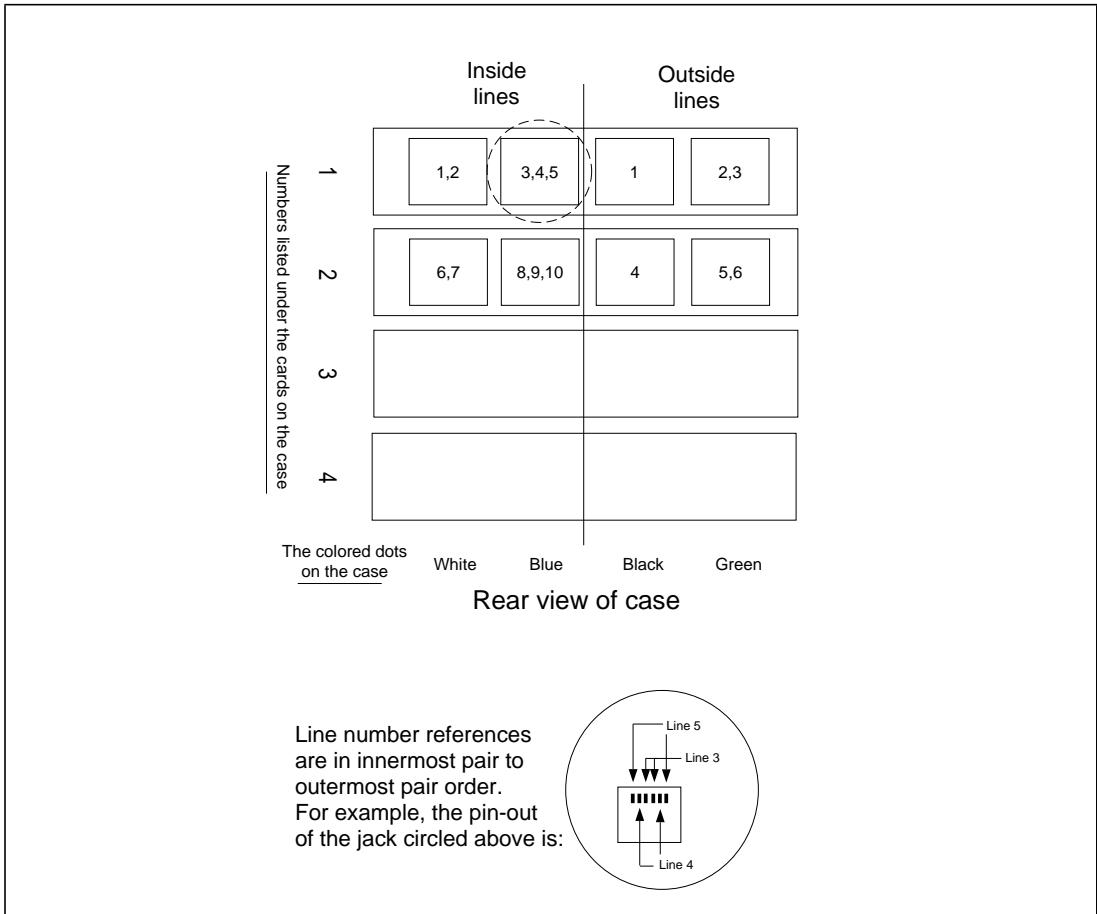
FIGURE B-1: **Pin-out of the RJ11 jacks on the back panel of an NTS/16 system**

Pin-out of punch down block (66-block) with RJ11-to-50-pin cable PN3102 connected to cards 1 and 2 of an NTS/16 system

Cable Pin # (ring/tip)	Pair #	Line #
26 / 1	1	Paging output (OL-1)
27 / 2	2	Outside line 2
28 / 3	3	Outside line 3
29 / 4	4	Hold music input (OL-4)
30 / 5	5	Outside line 5
31 / 6	6	Outside line 6
32 / 7	7	not used
33 / 8	8	not used
34 / 9	9	not used
35 / 10	10	not used
36 / 11	11	Inside line 1
37 / 12	12	Inside line 2
38 / 13	13	Inside line 3
39 / 14	14	Inside line 4
40 / 15	15	Inside line 5
41 / 16	16	Inside line 6
42 / 17	17	Inside line 7
43 / 18	18	Inside line 8

TABLE B-3: **Pin-out of the punch down block (66-block) with RJ11-to-50-pin cable PN3102 when used with cards 1 and 2 of an NTS/16 system**

44 19	19	Inside line 9
45 20	20	Inside line 10
46 21	21	not used
47 22	22	not used
48 23	23	not used
49 24	24	not used
50 25	25	not used

TABLE B-3: **Pin-out of the punch down block (66-block) with RJ11-to-50-pin cable PN3102 when used with cards 1 and 2 of an NTS/16 system**

Break-out of the mini patch panel when used with an NTS/16 system and cable PN3102
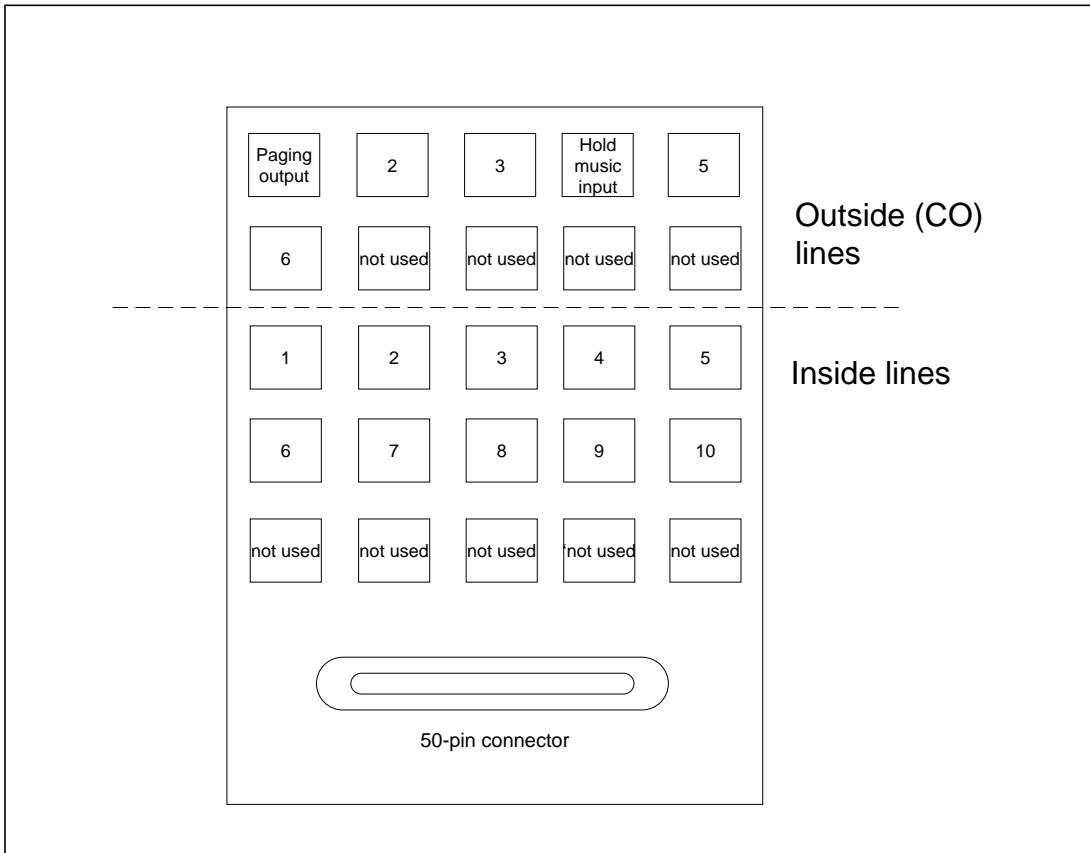
FIGURE B-2: **Break-out of the mini patch panel when used with an NTS/16 system and cable PN3102 (cards 1-2)**

Default system configuration for an NTS/16 system

User #	User name	Change Day/ Night Ring?	Access Authorization	Barge- in	External feature access	Admin privileges	Initial password
0	Administrator	Yes	Allow All	No	Yes	Yes	1000
1	User1	No	Access Group 1	No	No	No	1001
2	User2	No	Access Group 1	No	No	No	1002
3	User3	No	Access Group 1	No	No	No	1003
4	User4	No	Access Group 1	No	No	No	1004
5	User5	No	Access Group 1	No	No	No	1005
6	User6	No	Access Group 1	No	No	No	1006
7	User7	No	Access Group 1	No	No	No	1007
8	User8	No	Access Group 1	No	No	No	1008
9	User9	No	Access Group 1	No	No	No	1009
10	User10	No	Access Group 1	No	No	No	1010
99	Operator	Yes	Access Group 1	No	No	No	1099

TABLE B-4: **Telephone users**

Ext #	Line #	Owner user name	Day ring group	Night ring group	Secs to fwd	Max secs to ring	Ring cadence	Voice mail ext to fwd	Extension name	In PB
111	OL-1	Administra-tor	No	No	20	20	none	No	Paging	Yes
202	OL-2	Administra-tor	No	No	20	20	none	No	OutsideLine_2	Yes
203	OL-3	Administra-tor	No	No	20	20	none	No	OutsideLine_3	Yes
205	OL-5	Administra-tor	No	No	20	20	none	No	OutsideLine_5	Yes

TABLE B-5: **System extensions**

Ext #	Line #	Owner user name	Day ring group	Night ring group	Secs to fwd	Max secs to ring	Ring cadence	Voice mail ext to fwd	Extension name	In PB
206	OL-6	Administrator	No	No	20	20	none	No	OutsideLine_6	Yes
300	IL-3	Operator	No	No	20	20	long ring	599	Operator	Yes
301 - 310	Il-1 - IL-10	User1 - User10	No	No	20	20	long ring	501-510	Person_at_Ext_301-Person_at_Ext_310	Yes
411	IL-3	Operator	No	No	20	20	long ring	599	Operator	Yes
611	IL-3	Operator	No	No	20	20	long ring	599	Operator	Yes

TABLE B-5: **System extensions**

Voice Mail Extension	Owner User Number	Owner User Name	Max Message Size in Secs	Voice Mail Directory name	Max Voice Mail Box Size in MB	Voice Mail Box Phonebook Name	In PB?	Allow email
130	0	Administrator	0	/130	10	Day_Attendant_Msg	No	No
131	0	Administrator	0	/131	10	Night_Attendant_Msg	No	No
500	0	Administrator	120	/500	10	Administrator_VMB	Yes	No
501-510	1	User1-User 10	120	/501 - /510	10	User1_VMB-User10_VMB	Yes	No
599	99	Operator	120	/599	30	Operator_VMB	Yes	No

TABLE B-6: **System voice mail boxes**

Line Number	Line Type	Day Action	Night Action	Hold Music?	Access Auth Group	Secure Line (no barge-in or beeps)?	Always Decode Caller-ID?	Centrex/CLASS/Normal Line
Outside Line 1	Paging Line	No Action	No Action	No	Lockout Group 1	No	No	Normal
Outside Line 2	Outside Line	120	121	Yes	Lockout Group 1	No	No	Normal
Outside Line 3	Outside Line	120	121	Yes	Lockout Group 1	No	No	Normal
Outside Line 4	Hold Music Input	No Action	No Action	--	Lockout Group 1	No	No	Normal
Outside Line 5-Outside Line 6	Outside Line	120	121	Yes	Lockout Group 1	No	No	Normal

TABLE B-7: **System outside line configuration**

Line Number	Line Type	Day Action	Night Action	Hold Music?	Access Auth Group	Secure Line (no barge-in or beeps)?	Seize Group
Inside Line 1-Inside Line 10	Inside Line	Dial Tone	Dial Tone	No	Lockout Group 1	No	All Lines

TABLE B-8: **System inside line configuration**

# Digits in extension	3
# Digits in password	4
# Digit in Ring Group	1
Max Hold Stack Depth	3
Energy Detect Threshold	150
Max # of Conferences	2

TABLE B-9: **System constants**

Access authorization group number	Type	Area codes (or 011)
1	Deny	900
2	Allow	800 411 911 011

TABLE B-10: **Access authorization groups**

Auto attendant extension	Program name
120	Day_Program.aa
121	Night_Program.aa

TABLE B-11: **Auto attendant programs**

Name	Outside line size order
All Lines	Outside Lines OL-6, OL-5, OL-3, OL-2

TABLE B-12: **Outside line seize order**

Group number	Inside lines in group
0	Lines IL-1, IL-2, IL-3, IL-4, IL-5, IL-6, IL-7, IL-8, IL-9, IL-10
1	Lines OL-1

TABLE B-13: **Ring groups**

Operator extension	300
Lowest park orbit	100
Highest park orbit	110
Dialing Timeout (secs)	15

TABLE B-14: **System globals**

Dial Tone Timeout (secs)	90
Busy Signal Timeout (secs)	60
Reminder Tone Timeout (secs)	45
Voice Mail Exclusive Access	No
CPC Delay (secs)	1
Audio Compression Constant	650
Central Office Hook Flash Time (ms)	750
Conference Time Limit (Min)	30
Exit Voice Mail Extension	120
Voice Mail Waiting Indicator Refresh Time (minutes)	20
Play Second Standard VM Greeting	Yes

TABLE B-14: **System globals**

:

An incoming caller enters	The call is connected to
0	Operator (extension 300)
1	Extension 301
2	Extension 302
3	No action (waits for rest of extension number). Incorrect or incomplete entries take the caller back to the beginning of the auto-attendant greeting.
4	Extension 304
5	No action (waits for rest of a voice mail extension number). Incorrect or incomplete entries take the caller back to the beginning of the auto-attendant greeting.
6	Extension 306
7	Extension 307
8	Extension 308
9	Operator (extension 300)
*	Operator (extension 300)
#	Operator (extension 300)

TABLE B-15: **Default configuration for both the day and night auto-attendants**

NTS/24-specific information

Lines connected when AC power is removed from the NTS/24 system

Outside line	During AC power lost, connects to
outside line 1 (used as paging output in the default configuration)	inside line 1
outside line 2	inside line 3
outside line 3	inside line 4
outside line 4 (used as the hold music input in the default configuration)	inside line 6
outside line 5	inside line 8
outside line 6	inside line 9
outside line 7	inside line 11
outside line 8	inside line 13
outside line 9	inside line 14

TABLE C-1: **Connections made when AC power is removed**

Wiring worksheet for an NTS/24 system running the default configuration

Inside line	Name of user(s) (fill in)	Default user number	Default extension number	Default voice mail extension	Default password	During AC power-down, connects to:
1		1	301	501	1001	paging output
2		2	302	502	1002	none
3		99	300 (operator)	599	1099	outside line 2
4		4	304	504	1004	outside line 3
5		5	305	505	1005	none
6		6	306	506	1006	hold music input
7		7	307	507	1007	none
8		8	308	508	1008	outside line 5
9		9	309	509	1009	outside line 6
10		10	310	510	1010	none
11		11	311	511	1011	outside line 7
12		12	312	512	1012	none
13		13	313	513	1013	outside line 8
14		14	314	514	1014	outside line 9
15		15	315	515	1015	none

TABLE C-2: **Wiring worksheet for NTS/24 systems, default configuration**

Pin-out of the RJ11 jacks on the back panel of an NTS/24 system

Inside lines | Outside lines

Numbers listed under the cards on the case

	Inside lines		Outside lines	
1	1,2	3,4,5	1	2,3
2	6,7	8,9,10	4	5,6
3	11,12	13,14,15	7	8,9
4				

The colored dots on the case: White   Blue   Black   Green

Rear view of case

Line number references are in innermost pair to outermost pair order. For example, the pin-out of the jack circled above is:

Line 5
Line 3
Line 4
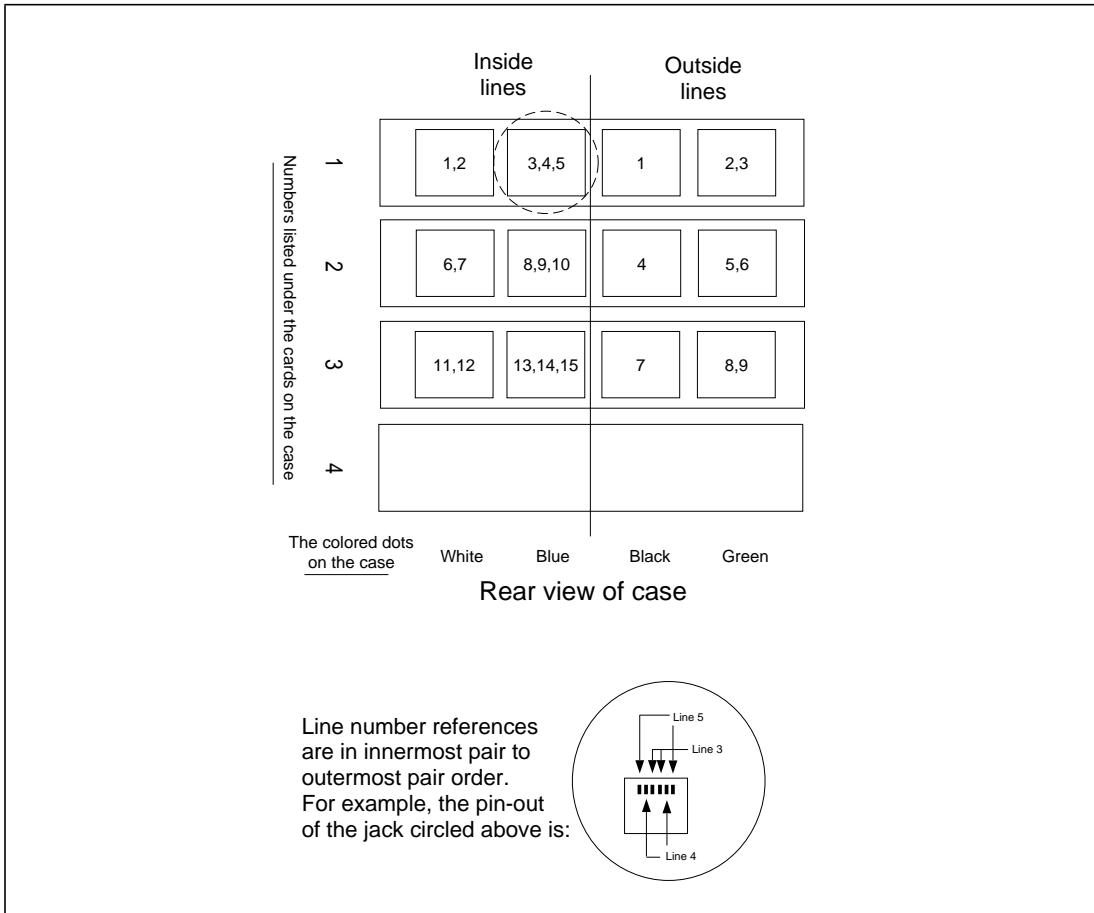
FIGURE C-1: **Pin-out of the RJ11 jacks on the back panel of an NTS/24 system**

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Pin-out of the punch down block (66-block) with RJ11-to-50-pin cable PN3102 when used with cards 1, 2, and 3 of an NTS/24 system

Cable Pin # (ring/tip)	Pair #	Line #
26 / 1	1	Paging output (OL-1)
27 / 2	2	Outside line 2
28 / 3	3	Outside line 3
29 / 4	4	Hold music input (OL-4)
30 / 5	5	Outside line 5
31 / 6	6	Outside line 6
32 / 7	7	Outside line 7
33 / 8	8	Outside line 8
34 / 9	9	Outside line 9
35 / 10	10	not used
36 / 11	11	Inside line 1
37 / 12	12	Inside line 2
38 / 13	13	Inside line 3
39 / 14	14	Inside line 4
40 / 15	15	Inside line 5
41 / 16	16	Inside line 6
42 / 17	17	Inside line 7
43 / 18	18	Inside line 8

TABLE C-3: **Pin-out of the punch down block (66-block) with RJ11-to-50-pin cable PN3102 when used with cards 1, 2, and 3 of an NTS/24 system**

Cable Pin # (ring/tip)	Pair #	Line #
44 19	19	Inside line 9
45 20	20	Inside line 10
46 21	21	Inside line 11
47 22	22	Inside line 12
48 23	23	Inside line 13
49 24	24	Inside line 14
50 25	25	Inside line 15

TABLE C-3: **Pin-out of the punch down block (66-block) with RJ11-to-50-pin cable PN3102 when used with cards 1, 2, and 3 of an NTS/24 system**

Break-out of the mini patch panel when used with an NTS/24 system and cable PN3102
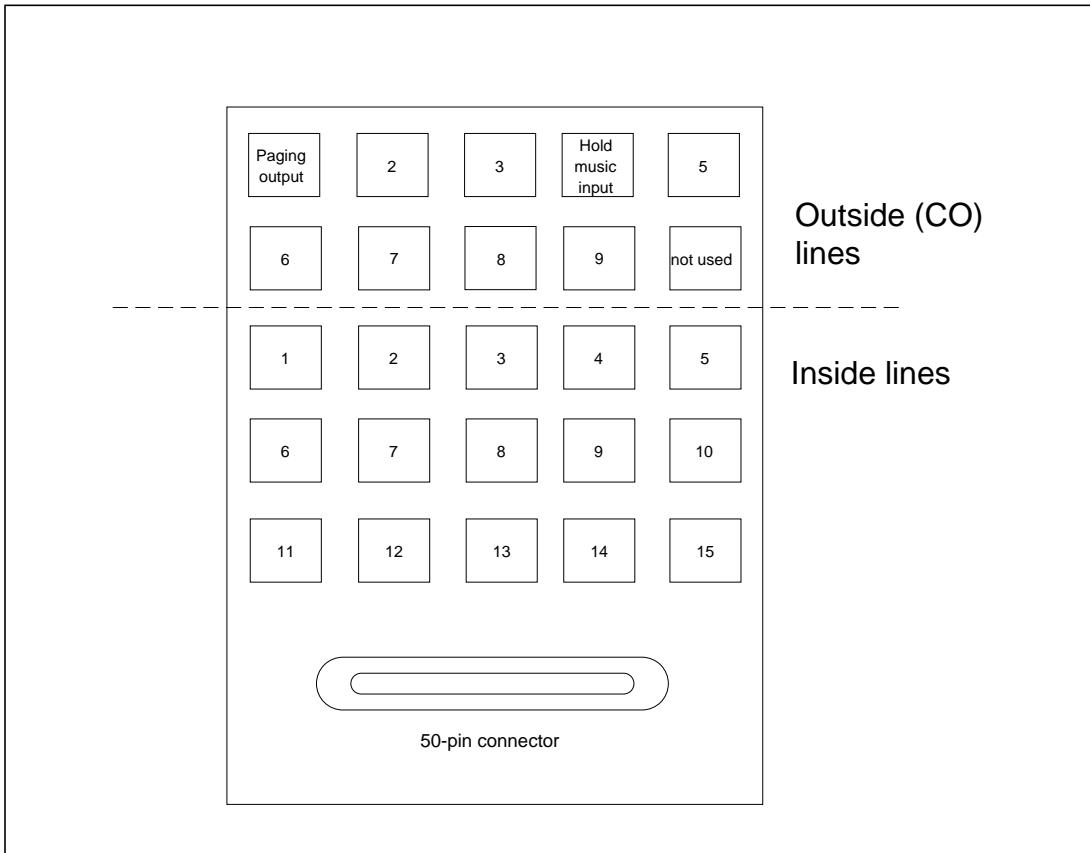
FIGURE C-2: **Break-out of the mini patch panel when used with an NTS/24 system and cable PN3102 (cards 1-3)**

Default system configuration for an NTS/24 system

User #	User name	Change Day/ Night Ring?	Access Authorization	Barge-in	External feature access	Admin privileges	Initial password
0	Administrator	Yes	Allow All	No	Yes	Yes	1000
1	User1	No	Access Group 1	No	No	No	1001
2	User2	No	Access Group 1	No	No	No	1002
3	User3	No	Access Group 1	No	No	No	1003
4	User4	No	Access Group 1	No	No	No	1004
5	User5	No	Access Group 1	No	No	No	1005
6	User6	No	Access Group 1	No	No	No	1006
7	User7	No	Access Group 1	No	No	No	1007
8	User8	No	Access Group 1	No	No	No	1008
9	User9	No	Access Group 1	No	No	No	1009
10	User10	No	Access Group 1	No	No	No	1010
11	User11	No	Access Group 1	No	No	No	1011
12	User12	No	Access Group 1	No	No	No	1012
13	User13	No	Access Group 1	No	No	No	1013
14	User14	No	Access Group 1	No	No	No	1014
15	User15	No	Access Group 1	No	No	No	1015
99	Operator	Yes	Access Group 1	No	No	No	1099

TABLE C-4: **Telephone users**

Ext #	Line #	Owner user name	Day ring group	Night ring group	Secs to fwd	Max secs to ring	Ring caden ce	Voice mail ext to fwd	Extension name	In PB
111	OL-1	Administrator	No	No	20	20	---	No	Paging	Yes
202	OL-2	Administrator	No	No	20	20	---	No	OutsideLine_2	Yes
203	OL-3	Administrator	No	No	20	20	---	No	OutsideLine_3	Yes

TABLE C-5: **System extensions**

Ext #	Line #	Owner user name	Day ring group	Night ring group	Secs to fwd	Max secs to ring	Ring caden ce	Voice mail ext to fwd	Extension name	In PB
205-209	OL-5 - OL-9	Administrator	No	No	20	20	---	No	OutsideLine_5 - OutsideLine_9	Yes
300	IL-3	Operator	No	No	20	20	long ring	599	Operator	Yes
301-315	Il-1 - IL-15	User1 - User15	No	No	20	20	long ring	501-515	Person_at_Ext_301 -Person_at Ext_315	Yes
411	IL-3	Operator	No	No	20	20	long ring	599	Operator	Yes
611	IL-3	Operator	No	No	20	20	long ring	599	Operator	Yes

TABLE C-5: **System extensions**

Voice Mail Exten sion	Owner User Number	Owner User Name	Max Message Size in Secs	Voice Mail Directory name	Max Voice Mail Box Size in MB	Voice Mail Box Phonebook Name	In PB?	Allow email
130	0	Administra-tor	0	/130	10	Day_Attendant_ Msg	No	No
131	0	Administra-tor	0	/131	10	Night_Attendant _Msg	No	No
500	0	Administra-tor	120	/500	10	Administrator_ VMB	Yes	No
501-515	1 - 15	User1-User15	120	/501 - /515	10	User1_VMB-User15_VMB	Yes	No
599	99	Operator	120	/599	30	Operator_VMB	Yes	No

TABLE C-6: **System voice mail boxes**

Line Number	Line Type	Day Action	Night Action	Hold Music?	Access Auth Group	Secure Line (no barge-in or beeps)?	Always Decode Caller-ID?	Centrex/ CLASS/ Normal Line
Outside Line 1	Paging Line	No Action	No Action	No	Lockout Group 1	No	No	Normal
Outside Line 2	Outside Line	120	121	Yes	Lockout Group 1	No	No	Normal
Outside Line 3	Outside Line	120	121	Yes	Lockout Group 1	No	No	Normal
Outside Line 4	Hold Music Input	No Action	No Action	---	Lockout Group 1	No	No	Normal
Outside Line 5- Outside Line 9	Outside Line	120	121	Yes	Lockout Group 1	No	No	Normal

TABLE C-7: **System outside line configuration**

Line Number	Line Type	Day Action	Night Action	Hold Music?	Access Auth Group	Secure Line (no barge-in or beeps)?	Seize Group?
Inside Line 1- Inside Line 15	Inside Line	Dial Tone	Dial Tone	No	Lockout Group 1	No	all lines

TABLE C-8: **System inside line configuration**

# Digits in extension	3
# Digits in password	4
# Digit in Ring Group	1
Max Hold Stack Depth	3
Energy Detect Threshold	150
Max # of Conferences	2

TABLE C-9: **System constants**

Access authorization group number	Type	Area codes (or 011)
1	Deny	900
2	Allow	800 411 911 011

TABLE C-10: **Access authorization groups**

Auto attendant extension	Program name
120	Day_Program.aa
121	Night_Program.aa

TABLE C-11: **Auto attendant programs**

Name	Outside line size order
All Lines	Outside Lines OL-9, OL-8, OL-7, OL-6, OL-5, OL-3, OL-2

TABLE C-12: **Outside line seize order**

Group number	Inside lines in group
0	Lines IL-1, IL-2, IL-3, IL-4, IL-5, IL-6, IL-7, IL-8, IL-9, IL-10, IL-11, IL-12, IL-13, IL-14, IL-15
1	Lines OL-1

TABLE C-13: **Ring groups**

Operator extension	300
Lowest park orbit	100
Highest park orbit	110

TABLE C-14: **System globals**

Dialing Timeout (secs)	15
Dial Tone Timeout (secs)	90
Busy Signal Timeout (secs)	60
Reminder Tone Timeout (secs)	45
Voice Mail Exclusive Access	No
CPC Delay (secs)	1
Audio Compression Constant	650
Central Office Hook Flash Time (ms)	750
Conference Time Limit (Min)	30
Exit Voice Mail Extension	120
Voice Mail Waiting Indicator Refresh Time (minutes)	20
Play Second Standard VM Greeting	Yes

TABLE C-14: **System globals**

:

An incoming caller enters	The call is connected to
0	Operator (extension 300)
1	Extension 301
2	Extension 302
3	No action (waits for rest of extension number). Incorrect or incomplete entries take the caller back to the beginning of the auto-attendant greeting.
4	Extension 304
5	No action (waits for rest of a voice mail extension number). Incorrect or incomplete entries take the caller back to the beginning of the auto-attendant greeting.
6	Extension 306
7	Extension 307
8	Extension 308
9	Operator (extension 300)
*	Operator (extension 300)
#	Operator (extension 300)

TABLE C-15: **Default configuration for both the day and night auto-attendants**

NTS/32-specific information

Lines connected when AC power is removed from the NTS/32 system

Outside line	During AC power lost, connects to
outside line 1 (used as paging output in the default configuration)	inside line 1
outside line 2	inside line 3
outside line 3	inside line 4
outside line 4 (used as the hold music input in the default configuration)	inside line 6
outside line 5	inside line 8
outside line 6	inside line 9
outside line 7	inside line 11
outside line 8	inside line 13
outside line 9	inside line 14
outside line 10	inside line 16
outside line 11	inside line 18
outside line 12	inside line 19

TABLE D-1: **Connections made when AC power is removed**

Wiring worksheet for an NTS/32 system running the default configuration

Inside line	Name of user(s) (fill in)	Default user number	Default extension number	Default voice mail extension	Default password	During AC power-down, connects to:
1		1	301	501	1001	paging output
2		2	302	502	1002	none
3		99	300 (operator)	599	1099	outside line 2
4		4	304	504	1004	outside line 3
5		5	305	505	1005	none
6		6	306	506	1006	hold music input
7		7	307	507	1007	none
8		8	308	508	1008	outside line 5
9		9	309	509	1009	outside line 6
10		10	310	510	1010	none
11		11	311	511	1011	outside line 7
12		12	312	512	1012	none
13		13	313	513	1013	outside line 8
14		14	314	514	1014	outside line 9
15		15	315	515	1015	none
16		16	316	516	1016	outside line 10
17		17	317	517	1017	none
18		18	318	518	1018	outside line 11
19		19	319	519	1019	outside line 12
20		20	320	520	1020	none

TABLE D-2: **Wiring worksheet for NTS/32 systems, default configuration**

Pin-out of the RJ11 jacks on the back panel of an NTS/32 system
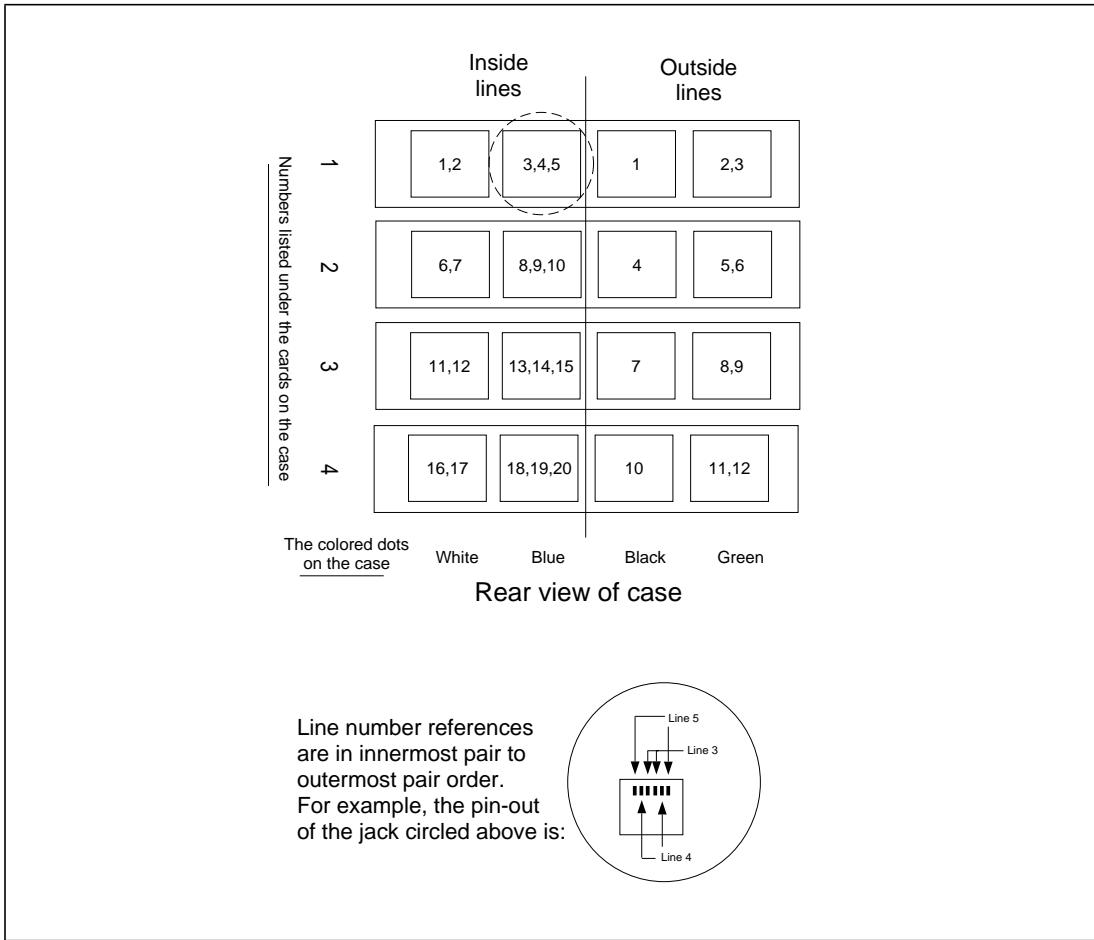
FIGURE D-1: **Pin-out of the RJ11 jacks on the back panel of an NTS/32 system**

*Pin-out of the punch down block (66-block) of RJ11-to-50-pin cable
PN3102 when used with cards 1, 2, and 3 of an NTS/32 system*

Cable Pin # (ring/tip)	Pair #	Line #
26 / 1	1	Paging output (OL-1)
27 / 2	2	Outside line 2
28 / 3	3	Outside line 3
29 / 4	4	Hold music input (OL-4)
30 / 5	5	Outside line 5
31 / 6	6	Outside line 6
32 / 7	7	Outside line 7
33 / 8	8	Outside line 8
34 / 9	9	Outside line 9
35 / 10	10	not used
36 / 11	11	Inside line 1
37 / 12	12	Inside line 2
38 / 13	13	Inside line 3
39 / 14	14	Inside line 4
40 / 15	15	Inside line 5
41 / 16	16	Inside line 6
42 / 17	17	Inside line 7
43 / 18	18	Inside line 8

TABLE D-3: **Pin-out of the punch down block (66-block) of RJ11-to-50-pin cable PN3102 when used with cards 1, 2, and 3 of an NTS/32 system**

44	19	Inside line 9
19		
45	20	Inside line 10
20		
46	21	Inside line 11
21		
47	22	Inside line 12
22		
48	23	Inside line 13
23		
49	24	Inside line 14
24		
50	25	Inside line 15
25		

TABLE D-3: **Pin-out of the punch down block (66-block) of RJ11-to-50-pin cable PN3102 when used with cards 1, 2, and 3 of an NTS/32 system**

Pin-out of the punch down block (66-block) of RJ11-to-50-pin cable PN3102 when used with card 4 of an NTS/32 system

Cable Pin # (ring/tip)	Pair #	Line #
26	1	Outside Line 10
1		
27	2	Outside line 11
2		
28	3	Outside line 12
3		
29	4	not used
4		
30	5	not used
5		
31	6	not used
6		
32	7	not used
7		
33	8	not used
8		
34	9	not used
9		
35	10	not used
10		
36	11	Inside line 16
11		
37	12	Inside line 17
12		
38	13	Inside line 18
13		
39	14	Inside line 19
14		
40	15	Inside line 20
15		
41	16	not used
16		
42	17	not used
17		
43	18	not used
18		

TABLE D-4: **Pin-out of the punch down block (66-block) of RJ11-to-50-pin cable PN3102 when used with card 4 of an NTS/32 system**

44	19	not used
19		
45	20	not used
20		
46	21	not used
21		
47	22	not used
22		
48	23	not used
23		
49	24	not used
24		
50	25	not used
25		

TABLE D-4: **Pin-out of the punch down block (66-block) of RJ11-to-50-pin cable PN3102 when used with card 4 of an NTS/32 system**

Break-out of the first mini patch panel when used with an NTS/32 system and cable PN3102 (cards 1-3)
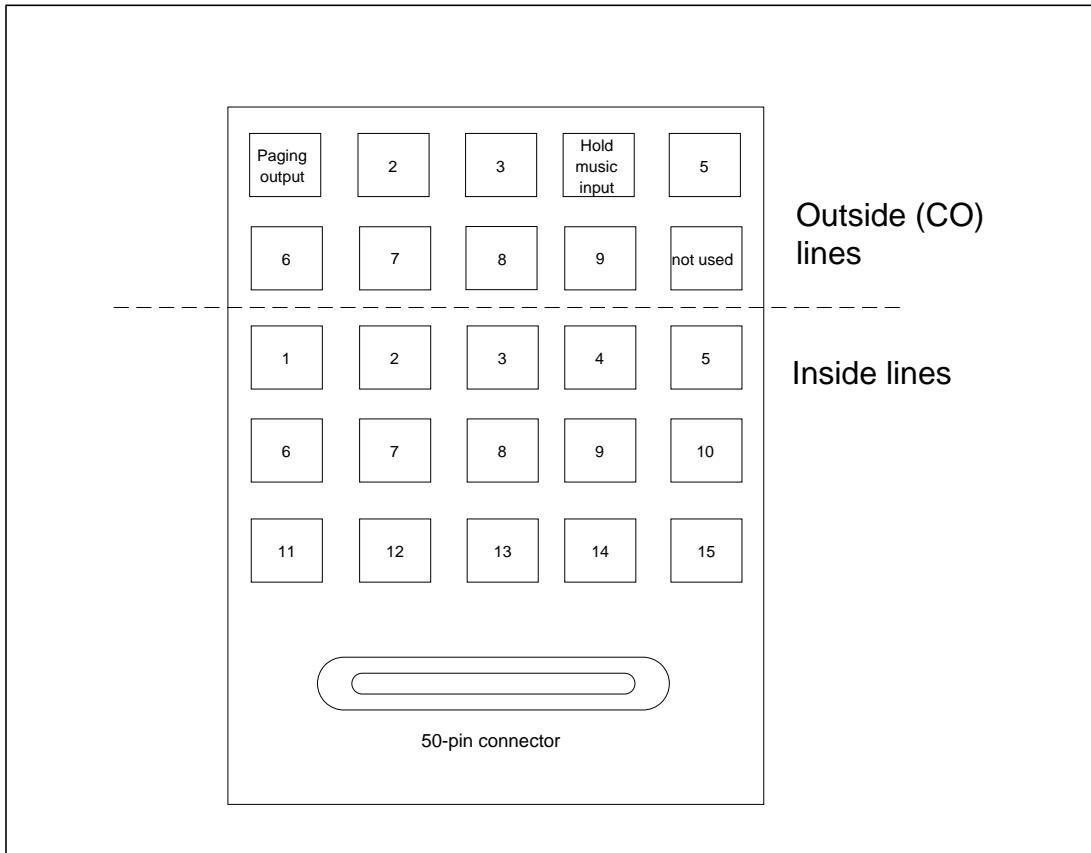
FIGURE D-2: **Break-out of the first mini patch panel when used with an NTS/32 system and cable PN3102 (card 1-3)**

Break-out of the second mini patch panel when used with an NTS/32 system and second cable PN3102 (card 4)

10	11	12	not used	not used
not used	not used	not used	not used	not used

Outside (CO) lines

16	17	18	19	20
not used	not used	not used	not used	not used
not used	not used	not used	not used	not used

Inside lines

50-pin connector
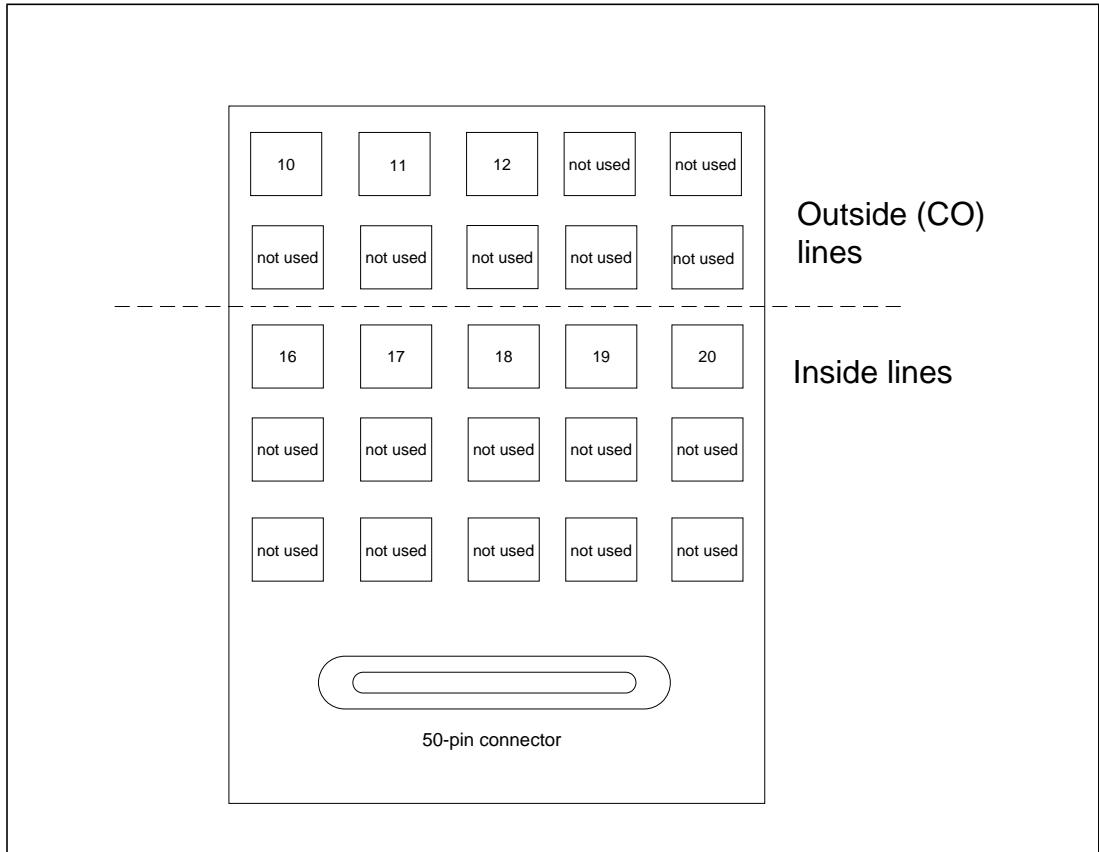
FIGURE D-3: **Break-out of the second mini patch panel when used with an NTS/32 system and second cable PN3102 (card 4)**

Default system configuration for an NTS/32 system

User #	User name	Change Day/ Night Ring?	Access Authorization	Barge- in	External feature access	Admin privileges	Initial password
0	Administrator	Yes	Allow All	No	Yes	Yes	1000
1	User1	No	Access Group 1	No	No	No	1001
2	User2	No	Access Group 1	No	No	No	1002
3	User3	No	Access Group 1	No	No	No	1003
4	User4	No	Access Group 1	No	No	No	1004
5	User5	No	Access Group 1	No	No	No	1005
6	User6	No	Access Group 1	No	No	No	1006
7	User7	No	Access Group 1	No	No	No	1007
8	User8	No	Access Group 1	No	No	No	1008
9	User9	No	Access Group 1	No	No	No	1009
10	User10	No	Access Group 1	No	No	No	1010
11	User11	No	Access Group 1	No	No	No	1011
12	User12	No	Access Group 1	No	No	No	1012
13	User13	No	Access Group 1	No	No	No	1013
14	User14	No	Access Group 1	No	No	No	1014
15	User15	No	Access Group 1	No	No	No	1015
16	User16	No	Access Group 1	No	No	No	1016
17	User17	No	Access Group 1	No	No	No	1017
18	User18	No	Access Group 1	No	No	No	1018
19	User19	No	Access Group 1	No	No	No	1019
20	User20	No	Access Group 1	No	No	No	1020
99	Operator	Yes	Access Group 1	No	No	No	1099

TABLE D-5: **Telephone users**

Ext #	Line #	Owner user name	Day ring group	Night ring group	Secs to fwd	Max secs to ring	Ring cadence	Voice mail ext to fwd	Extension name	In PB
111	OL-1	Administrator	No	No	20	20	---	No	Paging	Yes
202	OL-2	Administrator	No	No	20	20	---	No	OutsideLine_2	Yes
203	OL-3	Administrator	No	No	20	20	---	No	OutsideLine_3	No
205-212	OL-5 - OL-18	Administrator	No	No	20	20	none	No	OutsideLine_5- OutsideLine_18	No
300	IL-3	Operator	No	No	20	20	long ring	599	Operator	Yes
301-320	Il-1 - IL-20	User1-User20	No	No	20	20	long ring	501-520	Person_at_Ext_301 - Person_at_Ext_320	Yes
411	IL-3	Operator	No	No	20	20	long ring	599	Operator	Yes
611	IL-3	Operator	No	No	20	20	long ring	599	Operator	Yes
411	IL-3	Operator	No	No	20	20	long ring	599	Operator	Yes
611	IL-3	Operator	No	No	20	20	long ring	599	Operator	Yes

TABLE D-6: **System extensions**

Voice Mail Extension	Owner User Number	Owner User Name	Max Message Size in Secs	Voice Mail Directory name	Max Voice Mail Box Size in MB	Voice Mail Box Phonebook Name	In PB?	Allow email
130	0	Administrator	0	/130	10	Day_Attendant_ Msg	No	No
131	0	Administrator	0	/131	10	Night_Attendant _Msg	No	No

TABLE D-7: **System voice mail boxes**

Voice Mail Extension	Owner User Number	Owner User Name	Max Message Size in Secs	Voice Mail Directory name	Max Voice Mail Box Size in MB	Voice Mail Box Phonebook Name	In PB?	Allow email
500	0	Administra-tor	120	/500	10	Administrator_VMB	Yes	No
501 - 520	1 - 20	User1 - User20	120	/501 - /520	10	User1_VMB-User20_VMB	Yes	No
599	99	Operator	120	/599	30	Operator_VMB	Yes	No

TABLE D-7: **System voice mail boxes**

Line Number	Line Type	Day Action	Night Action	Hold Music?	Access Auth Group	Secure Line (no barge-in or beeps)?	Always Decode Caller-ID?	Centrex/CLASS/Normal Line
Outside Line 1	Paging Line	No Action	No Action	No	Lockout Group 1	No	No	Normal
Outside Line 2	Outside Line	120	121	Yes	Lockout Group 1	No	No	Normal
Outside Line 3	Outside Line	120	121	Yes	Lockout Group 1	No	No	Normal
Outside Line 4	Hold Music Input	No Action	No Action	---	Lockout Group 1	No	No	Normal
Outside Line 5-Outside Line 12	Outside Line	120	121	Yes	Lockout Group 1	No	No	Normal

TABLE D-8: **System outside line configuration**

Line Number	Line Type	Day Action	Night Action	Hold Music?	Access Auth Group	Secure Line (no barge-in or beeps)?	Seize Group?
Inside Line 1-Inside Line 20	Inside Line	Dial Tone	Dial Tone	No	Lockout Group 1	No	All Lines

TABLE D-9: **System inside line configuration**

# Digits in extension	3
# Digits in password	4
# Digit in Ring Group	1
Max Hold Stack Depth	3
Energy Detect Threshold	150
Max # of Conferences	2

TABLE D-10: **System constants**

Access authorization group number	Type	Area codes (or 011)
1	Deny	900
2	Allow	800 411 911 011

TABLE D-11: **Access authorization groups**

Auto attendant extension	Program name
120	Day_Program.aa
121	Night_Program.aa

TABLE D-12: **Auto attendant programs**

Name	Outside line size order
All Lines	Outside Lines OL-12, OL-11, OL-10, OL-9, OL-8, OL-7, OL-6, OL-5, OL-3, OL-2

TABLE D-13: **Outside line seize order**

Group number	Inside lines in group
0	Lines IL-1, IL-2, IL-3, IL-4, IL-5, IL-6, IL-7, IL-8, IL-9, IL-10, IL-11, IL-12, IL-13, IL-14, IL-15, IL-16, IL-17, IL-18, IL-19, IL-20
1	Lines OL-1

TABLE D-14: **Ring groups**

Operator extension	300
Lowest park orbit	100
Highest park orbit	110
Dialing Timeout (secs)	15
Dial Tone Timeout (secs)	90
Busy Signal Timeout (secs)	60
Reminder Tone Timeout (secs)	45
Voice Mail Exclusive Access	No
CPC Delay (secs)	1
Audio Compression Constant	650
Central Office Hook Flash Time (ms)	750
Conference Time Limit (Min)	30
Exit Voice Mail Extension	120
Voice Mail Waiting Indicator Refresh Time (minutes)	20
Play Second Standard VM Greeting	Yes

TABLE D-15: **System globals**

:

An incoming caller enters	The call is connected to
0	Operator (extension 300)
1	Extension 301

TABLE D-16: **Default configuration for both the day and night auto-attendants**

An incoming caller enters	The call is connected to
2	Extension 302
3	No action (waits for rest of extension number). Incorrect or incomplete entries take the caller back to the beginning of the auto-attendant greeting.
4	Extension 304
5	No action (waits for rest of a voice mail extension number). Incorrect or incomplete entries take the caller back to the beginning of the auto-attendant greeting.
6	Extension 306
7	Extension 307
8	Extension 308
9	Operator (extension 300)
*	Operator (extension 300)
#	Operator (extension 300)

TABLE D-16: **Default configuration for both the day and night auto-attendants**

NTS/40-specific information

Lines connected when AC power is removed from the NTS/40 system

Outside line	During AC power lost, connects to
outside line 1 (used as paging output in the default configuration)	inside line 1
outside line 2	inside line 3
outside line 3	inside line 4
outside line 4 (used as the hold music input in the default configuration)	inside line 6
outside line 5	inside line 8
outside line 6	inside line 9
outside line 7	inside line 11
outside line 8	inside line 13
outside line 9	inside line 14
outside line 10	inside line 16
outside line 11	inside line 18
outside line 12	inside line 19
outside line 13	inside line 21

TABLE E-1: **Connections made when AC power is removed**

Outside line	During AC power lost, connects to
outside line 14	inside line 23
outside line 15	inside line 24

TABLE E-1: **Connections made when AC power is removed**

Wiring worksheet for an NTS/40 system running the default configuration

Inside line	Name of user(s) (fill in)	Default user number	Default extension number	Default voice mail extension	Default password	During AC power-down, connects to:
1		1	301	501	1001	paging output
2		2	302	502	1002	none
3		99	300 (operator)	599	1099	outside line 2
4		4	304	504	1004	outside line 3
5		5	305	505	1005	none
6		6	306	506	1006	hold music input
7		7	307	507	1007	none
8		8	308	508	1008	outside line 5
9		9	309	509	1009	outside line 6
10		10	310	510	1010	none
11		11	311	511	1011	outside line 7
12		12	312	512	1012	none
13		13	313	513	1013	outside line 8
14		14	314	514	1014	outside line 9
15		15	315	515	1015	none
16		16	316	516	1016	outside line 10
17		17	317	517	1017	none
18		18	318	518	1018	outside line 11
19		19	319	519	1019	outside line 12
20		20	320	520	1020	none
21		21	321	521	1021	outside line 13

TABLE E-2: **Wiring worksheet for NTS/40 systems, default configuration**

Inside line	Name of user(s) (fill in)	Default user number	Default extension number	Default voice mail extension	Default password	During AC power-down, connects to:
22		22	322	522	1022	none
23		23	323	523	1023	outside line 14
24		24	324	524	1024	outside line 15
25		25	325	525	1025	none

TABLE E-2: **Wiring worksheet for NTS/40 systems, default configuration**

Pin-out of the RJ11 jacks on the back of an NTS/40 system
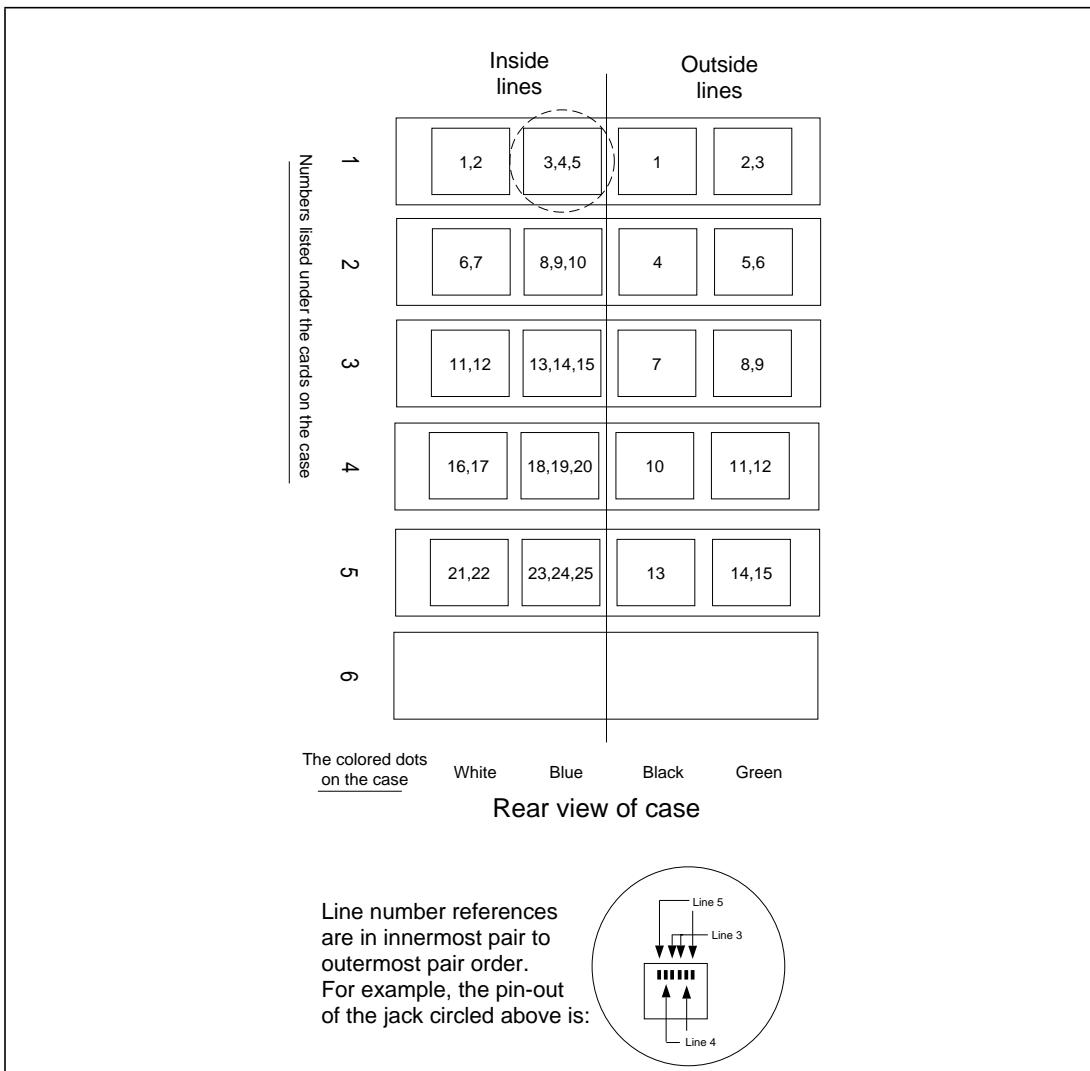
FIGURE E-1: **Pin-out of the RJ11 jacks on the back on an NTS/40 system**

Pin-out of the punch down block (66-block) of RJ11-to-50-pin cable PN3102 when used with cards 1, 2, and 3 of an NTS/40 system

Cable Pin # (ring/tip)	Pair #	Line #
26 1	1	Paging output (OL-1)
27 2	2	Outside line 2
28 3	3	Outside line 3
29 4	4	Hold music input (OL-4)
30 5	5	Outside line 5
31 6	6	Outside line 6
32 7	7	Outside line 7
33 8	8	Outside line 8
34 9	9	Outside line 9
35 10	10	not used
36 11	11	Inside line 1
37 12	12	Inside line 2
38 13	13	Inside line 3
39 14	14	Inside line 4
40 15	15	Inside line 5
41 16	16	Inside line 6
42 17	17	Inside line 7
43 18	18	Inside line 8

TABLE E-3: **Pin-out of the punch down block (66-block) of RJ11-to-50-pin cable PN3102 when used with cards 1, 2, and 3 of an NTS/40 system**

44	19	Inside line 9
19		
45	20	Inside line 10
20		
46	21	Inside line 11
21		
47	22	Inside line 12
22		
48	23	Inside line 13
23		
49	24	Inside line 14
24		
50	25	Inside line 15
25		

TABLE E-3: **Pin-out of the punch down block (66-block) of RJ11-to-50-pin cable PN3102 when used with cards 1, 2, and 3 of an NTS/40 system**

Pin-out of the punch down block (66-block) of RJ11-to-50-pin cable PN3102 when used with cards 4 and 5 of an NTS/40 system

Cable Pin # (ring/tip)	Pair #	Line #
26 / 1	1	Outside Line 10
27 / 2	2	Outside line 11
28 / 3	3	Outside line 12
29 / 4	4	Outside Line 13
30 / 5	5	Outside line 14
31 / 6	6	Outside line 15
32 / 7	7	not used
33 / 8	8	not used
34 / 9	9	not used
35 / 10	10	not used
36 / 11	11	Inside line 16
37 / 12	12	Inside line 17
38 / 13	13	Inside line 18
39 / 14	14	Inside line 19
40 / 15	15	Inside line 20
41 / 16	16	Inside line 21
42 / 17	17	Inside line 22
43 / 18	18	Inside line 23

TABLE E-4: **Pin-out of the punch down block (66-block) of RJ11-to-50-pin cable PN3102 when used with cards 4 and 5 of an NTS/40 system**

44	19	Inside line 24
19		
45	20	Inside line 25
20		
46	21	not used
21		
47	22	not used
22		
48	23	not used
23		
49	24	not used
24		
50	25	not used
25		

TABLE E-4: **Pin-out of the punch down block (66-block) of RJ11-to-50-pin cable PN3102 when used with cards 4 and 5 of an NTS/40 system**

Break-out of the first mini patch panel when used with an NTS/40 system and cable PN3102 (cards 1-3)

| Paging output | 2 | 3 | Hold music input | 5 | Outside (CO) lines |
6	7	8	9	not used	
1	2	3	4	5	Inside lines
6	7	8	9	10	
11	12	13	14	15	

50-pin connector
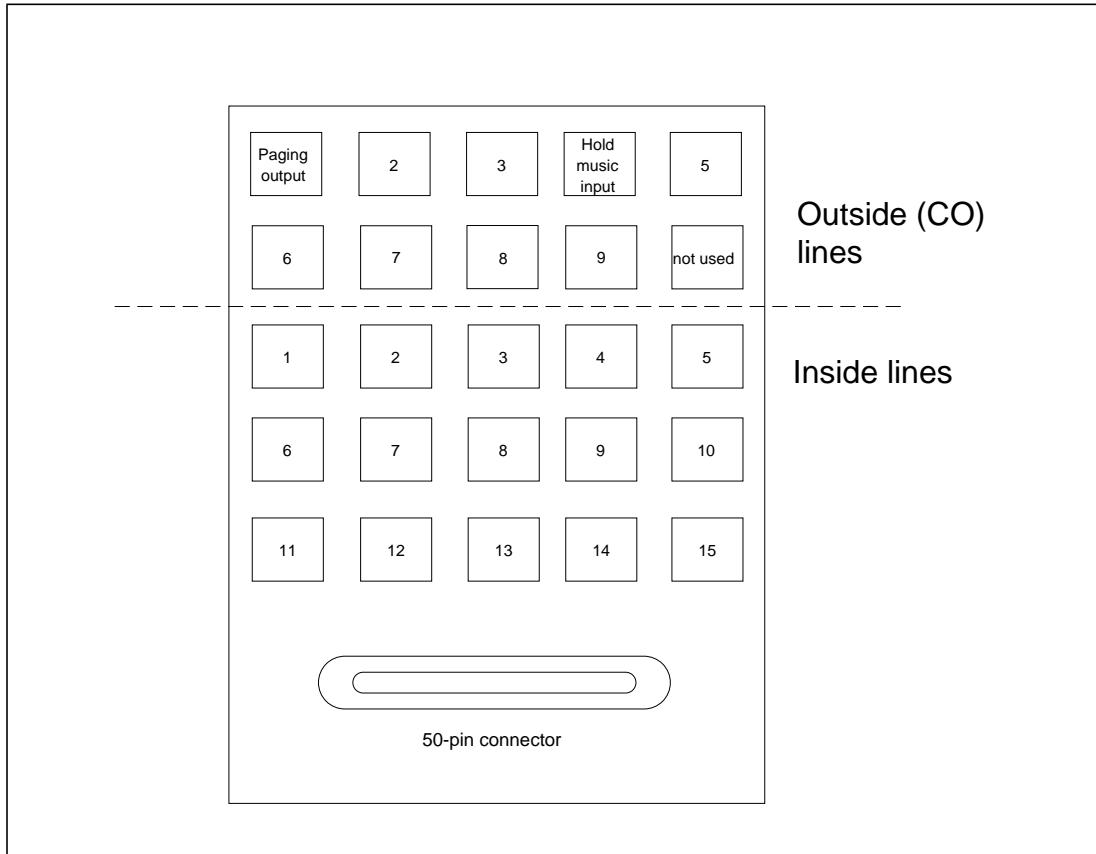
FIGURE E-2: **Break-out of the first mini patch panel when used with an NTS/40 system and cable PN3102 (cards 1-3)**

*Break-out of the second mini patch panel when used with an NTS/40
system and cable PN3102 (cards 4-5)*
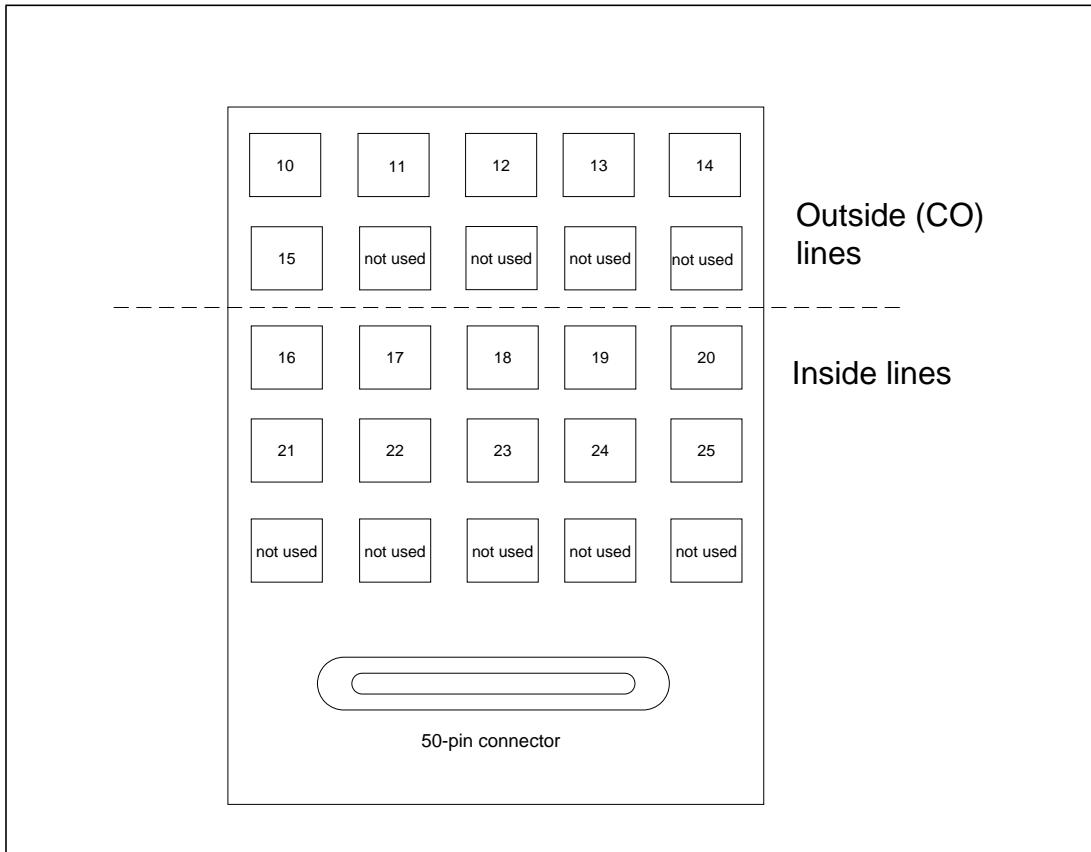
FIGURE E-3: **Break-out of the second mini patch panel when used with
an NTS/40 system and cable PN3102 (cards 4-5)**

Default system configuration for an NTS/40 system

User #	User name	Change Day/ Night Ring?	Access Authorization	Barge-in	External feature access	Admin privileges	Initial password
0	Administrator	Yes	Allow All	No	Yes	Yes	1000
1	User1	No	Access Group 1	No	No	No	1001
2	User2	No	Access Group 1	No	No	No	1002
3	User3	No	Access Group 1	No	No	No	1003
4	User4	No	Access Group 1	No	No	No	1004
5	User5	No	Access Group 1	No	No	No	1005
6	User6	No	Access Group 1	No	No	No	1006
7	User7	No	Access Group 1	No	No	No	1007
8	User8	No	Access Group 1	No	No	No	1008
9	User9	No	Access Group 1	No	No	No	1009
10	User10	No	Access Group 1	No	No	No	1010
11	User11	No	Access Group 1	No	No	No	1011
12	User12	No	Access Group 1	No	No	No	1012
13	User13	No	Access Group 1	No	No	No	1013
14	User14	No	Access Group 1	No	No	No	1014
15	User15	No	Access Group 1	No	No	No	1015
16	User16	No	Access Group 1	No	No	No	1016
17	User17	No	Access Group 1	No	No	No	1017
18	User18	No	Access Group 1	No	No	No	1018
19	User19	No	Access Group 1	No	No	No	1019
20	User20	No	Access Group 1	No	No	No	1020
21	User21	No	Access Group 1	No	No	No	1021
22	User22	No	Access Group 1	No	No	No	1022
23	User23	No	Access Group 1	No	No	No	1023
24	User24	No	Access Group 1	No	No	No	1024
25	User25	No	Access Group 1	No	No	No	1025
99	Operator	Yes	Access Group 1	Yes	No	No	1099

TABLE E-5: **Telephone users**

Ext #	Line #	Owner user name	Day ring group	Night ring group	Secs to fwd	Max secs to ring	Ring caden ce	Voice mail ext to fwd	Extension name	In PB
111	OL-1	Adminis-trator	No	No	20	20	none	No	Paging	Yes
202	OL-2	Adminis-trator	No	No	20	20	none	No	OutsideLine_2	Yes
203	OL-3	Adminis-trator	No	No	20	20	none	No	OutsideLine_3	No
205-215	OL-5 -OL-15	Adminis-trator	No	No	20	20	none	No	OutsideLine_5-OutsideLine_15	No
300	IL-3	Operator	No	No	20	20	long ring	599	Operator	Yes
301-325	Il-1 -IL-25	User1-User30	No	No	20	20	long ring	501-525	Person_at_Ext_301-Person_at_Ext_325	Yes
411	IL-3	Operator	No	No	20	20	long ring	599	Operator	Yes
611	IL-3	Operator	No	No	20	20	long ring	599	Operator	Yes

TABLE E-6: **System extensions**

Voice Mail Exten sion	Owner User Number	Owner User Name	Max Message Size in Secs	Voice Mail Directory name	Max Voice Mail Box Size in MB	Voice Mail Box Phonebook Name	In Phonebook?
130	0	Administra-tor	0	/130	10	Day_Attendant_Msg	No
131	0	Administra-tor	0	/131	10	Night_Attendant_Msg	No

TABLE E-7: **System voice mail boxes**

Voice Mail Extension	Owner User Number	Owner User Name	Max Message Size in Secs	Voice Mail Directory name	Max Voice Mail Box Size in MB	Voice Mail Box Phonebook Name	In Phonebook?
501 - 525	1 - 25	User1 - User25	120	/501 - /525	10	User1_VMB- User25_VMB	Yes
599	99	Operator	120	/599	30	Operator_VMB	Yes

TABLE E-7: **System voice mail boxes**

Line Number	Line Type	Day Action	Night Action	Hold Music?	Access Auth Group	Secure Line (no barge-in or beeps)?	Always Decode Caller-ID?	Centrex/ CLASS/ Normal Line
Outside Line 1	Paging Line	No Action	No Action	No	Lockout Group 1	No	No	Normal
Outside Line 2	Outside Line	120	121	Yes	Lockout Group 1	No	No	Normal
Outside Line 3	Outside Line	120	121	Yes	Lockout Group 1	No	No	Normal
Outside Line 4	Hold Music Input	No Action	No Action	---	Lockout Group 1	No	No	Normal
Outside Line 5- Outside Line 15	Outside Line	120	121	Yes	Lockout Group 1	No	No	Normal

TABLE E-8: **System line configuration**

Line Number	Line Type	Day Action	Night Action	Hold Music?	Access Auth Group	Secure Line (no barge-in or beeps)?	Seize Group?
Inside Line 1- Inside Line 25	Inside Line	Dial Tone	Dial Tone	No	Lockout Group 1	No	All Lines

TABLE E-9: **System inside line configuration**

# Digits in extension	3
# Digits in password	4
# Digit in Ring Group	1
Max Hold Stack Depth	3
Energy Detect Threshold	150
Max # of Conferences	2

TABLE E-10: **System constants**

Access authorization group number	Type	Area codes (or 011)
1	Deny	900
2	Allow	800 411 911 011

TABLE E-11: **Access authorization groups**

Auto attendant extension	Program name
120	Day_Program.aa
121	Night_Program.aa

TABLE E-12: **Auto attendant programs**

Name	Outside line size order
All Lines	Outside Lines OL-15, OL-14, OL-13, OL-12, OL-11, OL-10, OL-9, OL-8, OL-7, OL-6, OL-5, OL-3, OL-2

TABLE E-13: **Outside line seize order**

Group number	Inside lines in group
0	Lines IL-1, IL-2, IL-3, IL-4, IL-5, IL-6, IL-7, IL-8, IL-9, IL-10, IL-11, IL-12, IL-13, IL-14, IL-15, IL-16, IL-17, IL-18, IL-19, IL-20 IL-21, IL-22, IL-23, IL-24, IL-25
1	Lines OL-1

TABLE E-14: **Ring groups**

Operator extension	300
Lowest park orbit	100
Highest park orbit	110
Dialing Timeout (secs)	15
Dial Tone Timeout (secs)	90
Busy Signal Timeout (secs)	60
Reminder Tone Timeout (secs)	45
Voice Mail Exclusive Access	No
CPC Delay (secs)	1
Audio Compression Constant	650
Central Offic Hook Flash Time (ms)	750
Conference Time Limit (Min)	30
Exit Voice Mail Extension	120
Voice Mail Waiting Indicator Refresh Time (minutes)	20
Play Second Standard VM Greeting	Yes

TABLE E-15: **System globals**

:

An incoming caller enters	The call is connected to
0	Operator (extension 300)
1	Extension 301

TABLE E-16: **Default configuration for both the day and night auto-attendants**

An incoming caller enters	The call is connected to
2	Extension 302
3	No action (waits for rest of extension number). Incorrect or incomplete entries take the caller back to the beginning of the auto-attendant greeting.
4	Extension 304
5	No action (waits for rest of a voice mail extension number). Incorrect or incomplete entries take the caller back to the beginning of the auto-attendant greeting.
6	Extension 306
7	Extension 307
8	Extension 308
9	Operator (extension 300)
*	Operator (extension 300)
#	Operator (extension 300)

TABLE E-16: **Default configuration for both the day and night auto-attendants**

NTS/48-specific information

Lines connected when AC power is removed from the NTS/48 system

Outside line	During AC power lost, connects to
outside line 1 (used as paging output in the default configuration)	inside line 1
outside line 2	inside line 3
outside line 3	inside line 4
outside line 4 (used as the hold music input in the default configuration)	inside line 6
outside line 5	inside line 8
outside line 6	inside line 9
outside line 7	inside line 11
outside line 8	inside line 13
outside line 9	inside line 14
outside line 10	inside line 16
outside line 11	inside line 18
outside line 12	inside line 19
outside line 13	inside line 21
outside line 14	inside line 23

TABLE F-1: **Connections made when AC power is removed**

Outside line	During AC power lost, connects to
outside line 15	inside line 24
outside line 16	inside line 26
outside line 17	inside line 28
outside line 18	inside line 29

TABLE F-1: **Connections made when AC power is removed**

Wiring worksheet for an NTS/48 system running the default configuration

Inside line	Name of user(s) (fill in)	Default user number	Default extension number	Default voice mail extension	Default password	During AC power-down, connects to:
1		1	301	501	1001	paging output
2		2	302	502	1002	none
3		99	300 (operator)	599	1099	outside line 2
4		4	304	504	1004	outside line 3
5		5	305	505	1005	none
6		6	306	506	1006	hold music input
7		7	307	507	1007	none
8		8	308	508	1008	outside line 5
9		9	309	509	1009	outside line 6
10		10	310	510	1010	none
11		11	311	511	1011	outside line 7
12		12	312	512	1012	none
13		13	313	513	1013	outside line 8
14		14	314	514	1014	outside line 9
15		15	315	515	1015	none
16		16	316	516	1016	outside line 10
17		17	317	517	1017	none
18		18	318	518	1018	outside line 11
19		19	319	519	1019	outside line 12
20		20	320	520	1020	none

TABLE F-2: **Wiring worksheet for NTS/48 systems, default configuration**

Inside line	Name of user(s) (fill in)	Default user number	Default extension number	Default voice mail extension	Default password	During AC power-down, connects to:
21		21	321	521	1021	outside line 13
22		22	322	522	1022	none
23		23	323	523	1023	outside line 14
24		24	324	524	1024	outside line 15
25		25	325	525	1025	none
26		26	326	526	1026	outside line 16
27		27	327	527	1027	none
28		28	328	528	1028	outside line 17
29		29	329	529	1029	outside line 18
30		30	330	530	1030	none

TABLE F-2: **Wiring worksheet for NTS/48 systems, default configuration**

*Pin-out of the RJ11 jacks on the back panel of an NTS/48 system*
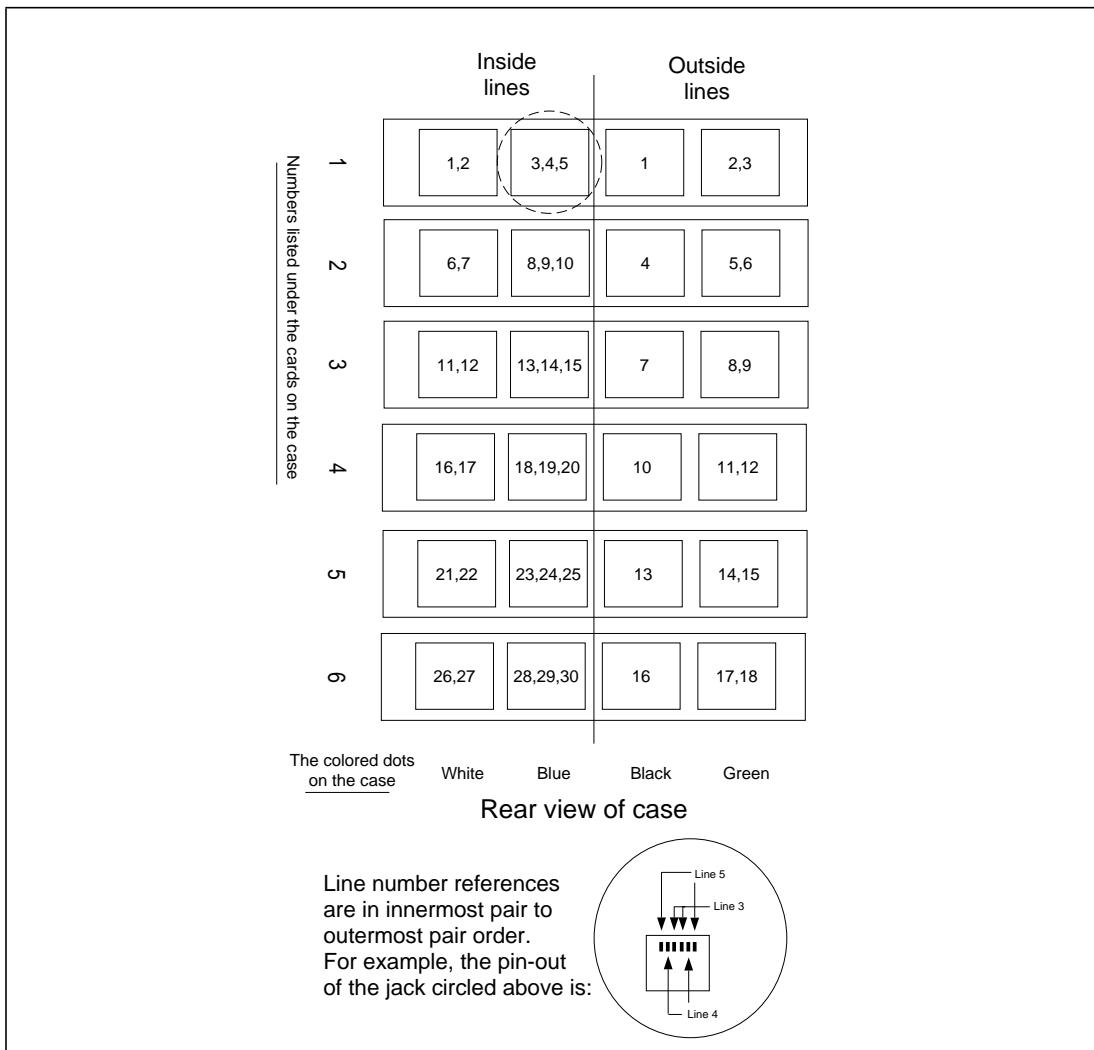
FIGURE F-1: **Pin-out of the RJ11 jacks on the back panel on an NTS/48 system**

Pin-out of the punch down block (66-block) of RJ11-to-50-pin cable
PN3102 when used with cards 1, 2, and 3 of an NTS/48 system

Cable Pin # (ring/tip)	Pair #	Line #
26 / 1	1	Paging output (OL-1)
27 / 2	2	Outside line 2
28 / 3	3	Outside line 3
29 / 4	4	Hold music input (OL-4)
30 / 5	5	Outside line 5
31 / 6	6	Outside line 6
32 / 7	7	Outside line 7
33 / 8	8	Outside line 8
34 / 9	9	Outside line 9
35 / 10	10	not used
36 / 11	11	Inside line 1
37 / 12	12	Inside line 2
38 / 13	13	Inside line 3
39 / 14	14	Inside line 4
40 / 15	15	Inside line 5
41 / 16	16	Inside line 6
42 / 17	17	Inside line 7
43 / 18	18	Inside line 8

TABLE F-3: **Pin-out of the punch down block (66-block) of the RJ11-to-50-pin cable PN3102 when used with cards 1, 2, and 3 of an NTS/48 system**

44	19	Inside line 9
19		
45	20	Inside line 10
20		
46	21	Inside line 11
21		
47	22	Inside line 12
22		
48	23	Inside line 13
23		
49	24	Inside line 14
24		
50	25	Inside line 15
25		

TABLE F-3: **Pin-out of the punch down block (66-block) of the RJ11-to-50-pin cable PN3102 when used with cards 1, 2, and 3 of an NTS/48 system**

Pin-out of the punch down block (66-block) of RJ11-to-50-pin cable PN3102 when used with cards 4, 5, and 6 of an NTS/48 system

Cable Pin # (ring/tip)	Pair #	Line #
26 / 1	1	Outside Line 10
27 / 2	2	Outside line 11
28 / 3	3	Outside line 12
29 / 4	4	Outside Line 13
30 / 5	5	Outside line 14
31 / 6	6	Outside line 15
32 / 7	7	Outside line 16
33 / 8	8	Outside line 17
34 / 9	9	Outside line 18
35 / 10	10	not used
36 / 11	11	Inside line 16
37 / 12	12	Inside line 17
38 / 13	13	Inside line 18
39 / 14	14	Inside line 19
40 / 15	15	Inside line 20
41 / 16	16	Inside line 21
42 / 17	17	Inside line 22
43 / 18	18	Inside line 23

TABLE F-4: **Pin-out of the punch down block (66-block) of the RJ11-to-50-pin cable PN3102 when used with cards 4, 5, and 6 of an NTS/48 system**

44	19	Inside line 24
19		
45	20	Inside line 25
20		
46	21	Inside line 26
21		
47	22	Inside line 27
22		
48	23	Inside line 28
23		
49	24	Inside line 29
24		
50	25	Inside line 30
25		

TABLE F-4: **Pin-out of the punch down block (66-block) of the RJ11-to-50-pin cable PN3102 when used with cards 4, 5, and 6 of an NTS/48 system**

Break-out of the first mini patch panel when used with an NTS/48 system and cable PN3102 (cards 1-3)
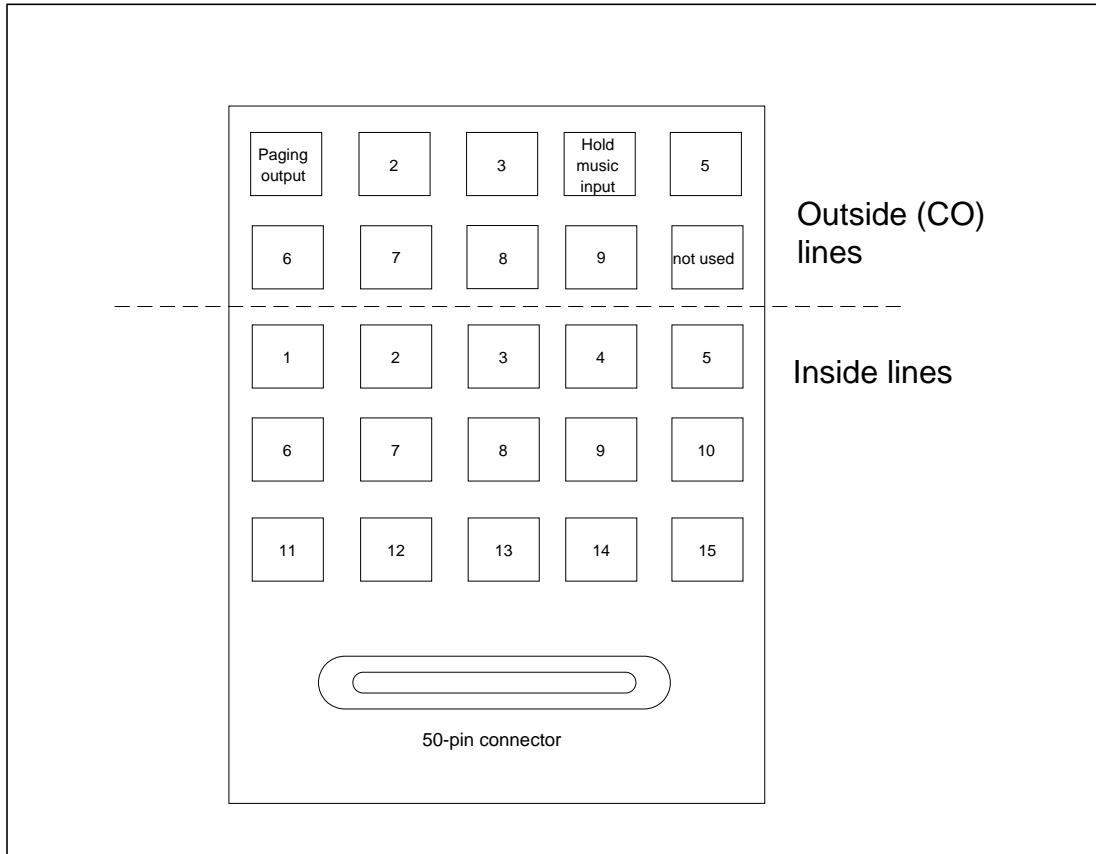

FIGURE F-2: **Break-out of the first mini patch panel when used with an NTS/48 system and cable PN3102 and cards 1-3**

*Break-out of the second mini patch panel when used with an NTS/48 system and cable PN3102 (cards 4-6)*
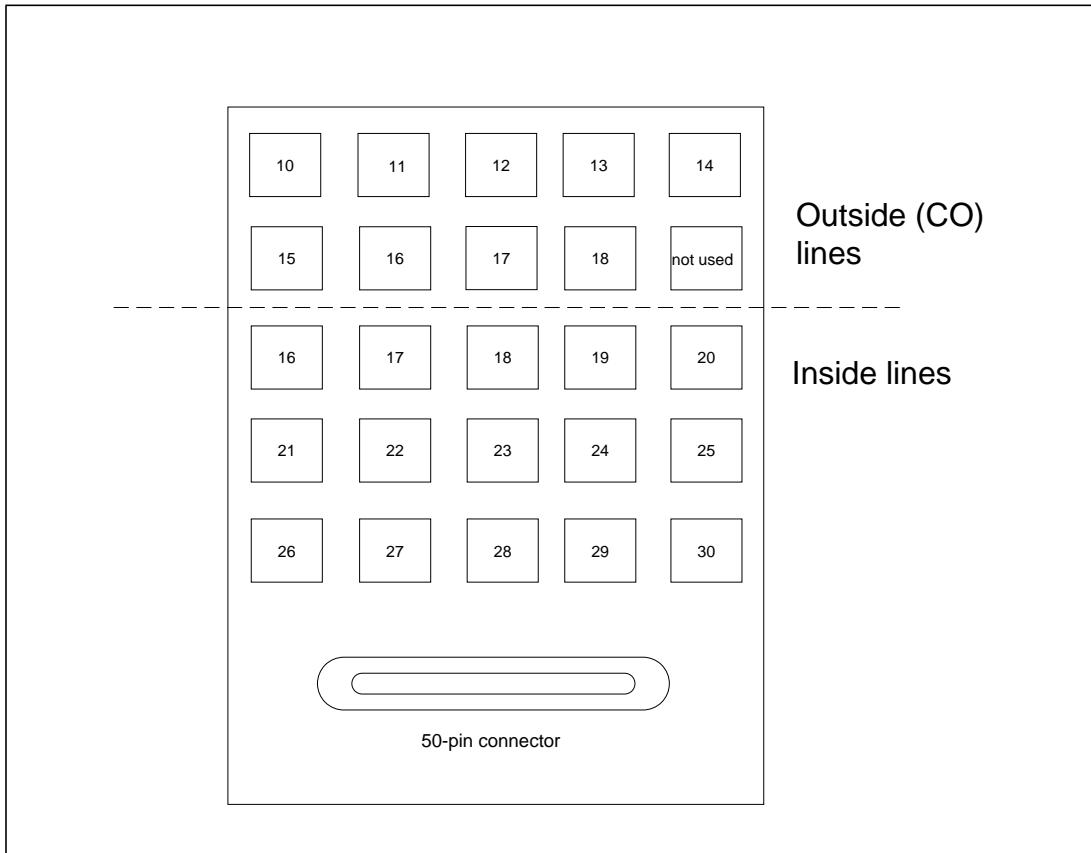
FIGURE F-3: **Break-out of the second mini patch panel when used with an NTS/48 system and cable PN3102 and cards 4-6**

Default system configuration for an NTS/48 system

User #	User name	Change Day/ Night Ring?	Access Authorization	Barge- in	External feature access	Admin privileges	Initial password
0	Administrator	Yes	Allow All	No	Yes	Yes	1000
1	User1	No	Access Group 1	No	No	No	1001
2	User2	No	Access Group 1	No	No	No	1002
3	User3	No	Access Group 1	No	No	No	1003
4	User4	No	Access Group 1	No	No	No	1004
5	User5	No	Access Group 1	No	No	No	1005
6	User6	No	Access Group 1	No	No	No	1006
7	User7	No	Access Group 1	No	No	No	1007
8	User8	No	Access Group 1	No	No	No	1008
9	User9	No	Access Group 1	No	No	No	1009
10	User10	No	Access Group 1	No	No	No	1010
11	User11	No	Access Group 1	No	No	No	1011
12	User12	No	Access Group 1	No	No	No	1012
13	User13	No	Access Group 1	No	No	No	1013
14	User14	No	Access Group 1	No	No	No	1014
15	User15	No	Access Group 1	No	No	No	1015
16	User16	No	Access Group 1	No	No	No	1016
17	User17	No	Access Group 1	No	No	No	1017
18	User18	No	Access Group 1	No	No	No	1018
19	User19	No	Access Group 1	No	No	No	1019
20	User20	No	Access Group 1	No	No	No	1020
21	User21	No	Access Group 1	No	No	No	1021
22	User22	No	Access Group 1	No	No	No	1022
23	User23	No	Access Group 1	No	No	No	1023
24	User24	No	Access Group 1	No	No	No	1024
25	User25	No	Access Group 1	No	No	No	1025
26	User26	No	Access Group 1	No	No	No	1026
27	User27	No	Access Group 1	No	No	No	1027

TABLE F-5: **Telephone users**

User #	User name	Change Day/ Night Ring?	Access Authorization	Barge-in	External feature access	Admin privileges	Initial password
28	User28	No	Access Group 1	No	No	No	1028
29	User29	No	Access Group 1	No	No	No	1029
30	User30	No	Access Group 1	No	No	No	1030
99	Operator	Yes	Access Group 1	Yes	No	No	1099

TABLE F-5: **Telephone users**

Ext #	Line #	Owner user name	Day ring group	Night ring group	Secs to fwd	Max secs to ring	Ring cadence	Voice mail ext to fwd	Extension name	In PB
111	OL-1	Administrator	No	No	20	20	none	No	Paging	Yes
202	OL-2	Administrator	No	No	20	20	none	No	OutsideLine_2	Yes
203	OL-3	Administrator	No	No	20	20	none	No	OutsideLine_3	No
205-218	OL-5 - OL-18	Administrator	No	No	20	20	none	No	OutsideLine_5-OutsideLine_18	No
300	IL-3	Operator	No	No	20	20	long ring	599	Operator	Yes
301-330	Il-1 - IL-30	User1-User30	No	No	20	20	long ring	501-530	Person_at_Ext_301 - Person_at_Ext_330	Yes
411	IL-3	Operator	No	No	20	20	long ring	599	Operator	Yes
611	IL-3	Operator	No	No	20	20	long ring	599	Operator	Yes

TABLE F-6: **System extensions**

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Voice Mail Extension	Owner User Number	Owner User Name	Max Message Size in Secs	Voice Mail Directory name	Max Voice Mail Box Size in MB	Voice Mail Box Phonebook Name	In PB?	Allow email
130	0	Administrator	0	/130	10	Day_Attendant_Msg	No	No
131	0	Administrator	0	/131	10	Night_Attendant_Msg	No	No
500	0	Administrator	120	/500	10	Administrator_VMB	Yes	No
501 - 530	1 - 30	User1 - User30	120	/501 - /530	10	User1_VMB- User30_VMB	Yes	No
599	99	Operator	120	/599	30	Operator_VMB	Yes	No

TABLE F-7: **System voice mail boxes**

Line Number	Line Type	Day Action	Night Action	Hold Music?	Access Auth Group	Secure Line (no barge-in or beeps)?	Always Decode Caller-ID?	Centrex/ CLASS/ Normal Line
Outside Line 1	Paging Line	No Action	No Action	No	Lockout Group 1	No	No	Normal
Outside Line 2	Outside Line	120	121	Yes	Lockout Group 1	No	No	Normal
Outside Line 3	Outside Line	120	121	Yes	Lockout Group 1	No	No	Normal
Outside Line 4	Hold Music Input	No Action	No Action	---	Lockout Group 1	No	No	Normal
Outside Line 5- Outside Line 18	Outside Line	120	121	Yes	Lockout Group 1	No	No	Normal

TABLE F-8: **System outside line configuration**

Line Number	Line Type	Day Action	Night Action	Hold Music?	Access Auth Group	Secure Line (no barge-in or beeps)?	Seize Group?
Inside Line 1- Inside Line 30	Inside Line	Dial Tone	Dial Tone	No	Lockout Group 1	No	All Lines

TABLE F-9: **System inside line configuration**

# Digits in extension	3
# Digits in password	4
# Digit in Ring Group	1
Max Hold Stack Depth	3
Energy Detect Threshold	150
Max # of Conferences	2

TABLE F-10: **System constants**

Access authorization group number	Type	Area codes (or 011)
1	Deny	900
2	Allow	800 411 911 011

TABLE F-11: **Access authorization groups**

Auto attendant extension	Program name
120	Day_Program.aa
121	Night_Program.aa

TABLE F-12: **Auto attendant programs**

Name	Outside line size order
All Lines	Outside Lines OL-18, OL-17, OL-16, OL-15, OL-14, OL-13, OL-12, OL-11, OL-10, OL-9, OL-8, OL-7, OL-6, OL-5, OL-3, OL-2

TABLE F-13: **Outside line seize order**

Group number	Inside lines in group
0	Lines IL-1, IL-2, IL-3, IL-4, IL-5, IL-6, IL-7, IL-8, IL-9, IL-10, IL-11, IL-12, IL-13, IL-14, IL-15, IL-16, IL-17, IL-18, IL-19, IL-20 IL-21, IL-22, IL-23, IL-24, IL-25, IL-26, IL-27, IL-28, IL-29, IL-30
1	Lines OL-1

TABLE F-14: **Ring groups**

Operator extension	300
Lowest park orbit	100
Highest park orbit	110
Dialing Timeout (secs)	15
Dial Tone Timeout (secs)	90
Busy Signal Timeout (secs)	60
Reminder Tone Timeout (secs)	45
Voice Mail Exclusive Access	No
CPC Delay (secs)	1
Audio Compression Constant	650
Central Offic Hook Flash Time (ms)	750
Conference Time Limit (Min)	30
Exit Voice Mail Extension	120
Voice Mail Waiting Indicator Refresh Time (minutes)	20
Play Second Standard VM Greeting	Yes

TABLE F-15: **System globals**

:

An incoming caller enters	The call is connected to
0	Operator (extension 300)
1	Extension 301
2	Extension 302
3	No action (waits for rest of extension number). Incorrect or incomplete entries take the caller back to the beginning of the auto-attendant greeting.
4	Extension 304
5	No action (waits for rest of a voice mail extension number). Incorrect or incomplete entries take the caller back to the beginning of the auto-attendant greeting.
6	Extension 306
7	Extension 307
8	Extension 308
9	Operator (extension 300)
*	Operator (extension 300)
#	Operator (extension 300)

TABLE F-16: **Default configuration for both the day and night auto-attendants**

NTS/RX-specific information

NTS/RX Rack Mounted Systems

The NTS/RX rack mounted systems can have up to 17 cards installed, for a maximum capacity of 51 outside lines x 85 inside lines.

The tables on following pages illustrated a fully loaded NTS/RX system. You system will differ, depending on how many cards are actually installed. The number of users, outside extensions, inside extensions, and voice mail box extensions will vary accordingly.

Lines connected when AC power is removed from the NTS/RX system

Outside line	During AC power lost, connects to
outside line 1 (used as paging output in the default configuration)	inside line 1
outside line 2	inside line 3
outside line 3	inside line 4
outside line 4 (used as the hold music input in the default configuration)	inside line 6
outside line 5	inside line 8
outside line 6	inside line 9
outside line 7	inside line 11
outside line 8	inside line 13
outside line 9	inside line 14
outside line 10	inside line 16
outside line 11	inside line 18
outside line 12	inside line 19
outside line 13	inside line 21
outside line 14	inside line 23
outside line 15	inside line 24
outside line 16	inside line 26
outside line 17	inside line 28
outside line 18	inside line 29
outside line 19	inside line 31
outside line 20	inside line 33
outside line 21	inside line 34
outside line 22	inside line 36
outside line 23	inside line 38
outside line 24	inside line 39
outside line 25	inside line 41
outside line 26	inside line 43
outside line 27	inside line 44
outside line 28	inside line 46

TABLE G-1: **Connections made when AC power is removed**

Outside line	During AC power lost, connects to
outside line 29	inside line 48
outside line 30	inside line 49
outside line 31	inside line 51
outside line 32	inside line 53
outside line 33	inside line 54
outside line 34	inside line 56
outside line 35	inside line 58
outside line 36	inside line 59
outside line 37	inside line 61
outside line 38	inside line 63
outside line 39	inside line 64
outside line 40	inside line 66
outside line 41	inside line 68
outside line 42	inside line 69
outside line 43	inside line 71
outside line 44	inside line 73
outside line 45	inside line 74
outside line 46	inside line 76
outside line 47	inside line 78
outside line 48	inside line 79
outside line 49	inside line 81
outside line 50	inside line 83
outside line 51	inside line 84

TABLE G-1: **Connections made when AC power is removed**

Wiring worksheet for an NTS/RX system with the default configuration:

Inside line	Name of user(s) (fill in)	Default user number	Default extension number	Default voice mail extension	Default password	During AC power-down, connects to:
1		1	301	501	1001	paging output
2		2	302	502	1002	none
3		99	300 (operator)	599	1099	outside line 2
4		4	304	504	1004	outside line 3
5		5	305	505	1005	none
6		6	306	506	1006	hold music input
7		7	307	507	1007	none
8		8	308	508	1008	outside line 5
9		9	309	509	1009	outside line 6
10		10	310	510	1010	none
11		11	311	511	1011	outside line 7
12		12	312	512	1012	none
13		13	313	513	1013	outside line 8
14		14	314	514	1014	outside line 9
15		15	315	515	1015	none
16		16	316	516	1016	outside line 10
17		17	317	517	1017	none
18		18	318	518	1018	outside line 11
19		19	319	519	1019	outside line 12
20		20	320	520	1020	none
21		21	321	521	1021	outside line 13
22		22	322	522	1022	none
23		23	323	523	1023	outside line 14
24		24	324	524	1024	outside line 15
25		25	325	525	1025	none
26		26	326	526	1026	outside line 16
27		27	327	527	1027	none
28		28	328	528	1028	outside line 17

TABLE G-2: **Wiring worksheet for NTS/RX systems, default configuration**

Inside line	Name of user(s) (fill in)	Default user number	Default extension number	Default voice mail extension	Default password	During AC power-down, connects to:
29		29	329	529	1029	outside line 18
30		30	330	530	1030	none
31		31	331	531	1031	outside line 19
32		32	332	532	1032	none
33		33	333	533	1335	outside line 20
34		34	334	534	1034	outside line 21
35		35	335	535	1035	none
36		36	336	536	1036	outside line 22
37		37	337	537	1037	none
38		38	338	538	1038	outside line 23
39		39	339	539	1039	outside line 24
40		40	340	540	1040	none
41		41	341	541	1041	outside line 25
42		42	342	542	1042	none
43		43	343	543	1043	outside line 26
44		44	344	544	1044	outside line 27
45		45	345	545	1045	none
46		46	346	546	1046	outside line 28
47		47	347	547	1047	none
48		48	348	548	1048	outside line 29
49		49	349	549	1049	outside line 30
50		50	350	550	1050	none
51		51	351	551	1051	outside line 31
52		52	352	552	1052	none
53		53	353	553	1053	outside line 32
54		54	354	554	1054	outside line 33
55		55	355	555	1055	none
56		56	356	556	1056	outside line 34
57		57	357	557	1057	none
58		58	358	558	1058	outside line 35

TABLE G-2: **Wiring worksheet for NTS/RX systems, default configuration**

Inside line	Name of user(s) (fill in)	Default user number	Default extension number	Default voice mail extension	Default password	During AC power-down, connects to:
59		59	359	559	1059	outside line 36
60		60	360	560	1060	none
61		61	361	561	1061	outside line 37
62		62	362	562	1062	none
63		63	363	563	1063	outside line 38
64		64	364	564	1064	outside line 39
65		65	365	565	1065	none
66		66	366	566	1066	outside line 40
67		67	367	567	1067	none
68		68	368	568	1068	outside line 41
69		69	369	569	1069	outside line 42
70		70	370	570	1070	none
71		71	371	571	1071	outside line 43
72		72	372	572	1072	none
73		73	373	573	1073	outside line 44
74		74	374	574	1074	outside line 45
75		75	375	575	1075	none
76		76	376	576	1076	outside line 46
77		77	377	577	1077	none
78		78	378	578	1078	outside line 47
79		79	379	579	1079	outside line 48
80		80	380	580	1080	none
81		81	381	581	1081	outside line 49
82		82	382	582	1082	none
83		83	383	583	1083	outside line 50
84		84	384	584	1084	outside line 51
85		85	385	585	1085	none

TABLE G-2: **Wiring worksheet for NTS/RX systems, default configuration**

Pin-out of the punch down block (66-block) of RJ11-to-50-pin cable PN3102 when used with cards 1, 2, and 3 of an NTS/RX system

Cable Pin # (ring/tip)	Pair #	Line #
26 / 1	1	Outside Line 10
27 / 2	2	Outside line 11
28 / 3	3	Outside line 12
29 / 4	4	Outside Line 13
30 / 5	5	Outside line 14
31 / 6	6	Outside line 15
32 / 7	7	Outside line 16
33 / 8	8	Outside line 17
34 / 9	9	Outside line 18
35 / 10	10	not used
36 / 11	11	Inside line 16
37 / 12	12	Inside line 17
38 / 13	13	Inside line 18
39 / 14	14	Inside line 19
40 / 15	15	Inside line 20
41 / 16	16	Inside line 21
42 / 17	17	Inside line 22
43 / 18	18	Inside line 23

TABLE G-3: **Pin-out of the punch down block (66-block) of the RJ11-to-50-pin cable PN3102 when used with cards 4, 5, and 6 of an NTS/RX system**

44	19	Inside line 24
19		
45	20	Inside line 25
20		
46	21	Inside line 26
21		
47	22	Inside line 27
22		
48	23	Inside line 28
23		
49	24	Inside line 29
24		
50	25	Inside line 30
25		

TABLE G-3: **Pin-out of the punch down block (66-block) of the RJ11-to-50-pin cable PN3102 when used with cards 4, 5, and 6 of an NTS/RX system**

Pin-out of the punch down block (66-block) of RJ11-to-50-pin cable PN3102 when used with cards 4, 5, and 6 of an NTS/RX system

Cable Pin # (ring/tip)	Pair #	Line #
26	1	Outside Line 10
1		
27	2	Outside line 11
2		
28	3	Outside line 12
3		
29	4	Outside Line 13
4		
30	5	Outside line 14
5		
31	6	Outside line 15
6		
32	7	Outside line 16
7		
33	8	Outside line 17
8		
34	9	Outside line 18
9		
35	10	not used
10		
36	11	Inside line 16
11		
37	12	Inside line 17
12		
38	13	Inside line 18
13		
39	14	Inside line 19
14		
40	15	Inside line 20
15		
41	16	Inside line 21
16		
42	17	Inside line 22
17		
43	18	Inside line 23
18		

TABLE G-4: **Pin-out of the punch down block (66-block) of the RJ11-to-50-pin cable PN3102 when used with cards 4, 5, and 6 of an NTS/RX system**

44	19	Inside line 24
19		
45	20	Inside line 25
20		
46	21	Inside line 26
21		
47	22	Inside line 27
22		
48	23	Inside line 28
23		
49	24	Inside line 29
24		
50	25	Inside line 30
25		

TABLE G-4: **Pin-out of the punch down block (66-block) of the RJ11-to-50-pin cable PN3102 when used with cards 4, 5, and 6 of an NTS/RX system**

Pin-out of the punch down block (66-block) of RJ11-to-50-pin cable PN3102 when used with cards 7, 8, and 9 of an NTS/RX system

Cable Pin # (ring/tip)	Pair #	Line #
26 1	1	Outside Line 19
27 2	2	Outside line 20
28 3	3	Outside line 21
29 4	4	Outside Line 22
30 5	5	Outside line 23
31 6	6	Outside line 24
32 7	7	Outside line 25
33 8	8	Outside line 26
34 9	9	Outside line 27
35 10	10	not used
36 11	11	Inside line 31
37 12	12	Inside line 32
38 13	13	Inside line 33
39 14	14	Inside line 34
40 15	15	Inside line 35
41 16	16	Inside line 36
42 17	17	Inside line 37
43 18	18	Inside line 38

TABLE G-5: **Pin-out of the punch down block (66-block) of RJ11-to-50-pin cable PN3102 when used with cards 7, 8, and 9 of an NTS/RX system**

44	19	Inside line 39
19		
45	20	Inside line 40
20		
46	21	Inside line 41
21		
47	22	Inside line 42
22		
48	23	Inside line 43
23		
49	24	Inside line 44
24		
50	25	Inside line 45
25		

TABLE G-5: **Pin-out of the punch down block (66-block) of RJ11-to-50-pin cable PN3102 when used with cards 7, 8, and 9 of an NTS/RX system**

Pin-out of the punch down block (66-block) of RJ11-to-50-pin cable PN3102 when used with cards 10, 11, and 12 of an NTS/RX system

Cable Pin # (ring/tip)	Pair #	Line #
26 / 1	1	Outside Line 28
27 / 2	2	Outside line 29
28 / 3	3	Outside line 30
29 / 4	4	Outside Line 31
30 / 5	5	Outside line 32
31 / 6	6	Outside line 33
32 / 7	7	Outside line 34
33 / 8	8	Outside line 35
34 / 9	9	Outside line 36
35 / 10	10	not used
36 / 11	11	Inside line 46
37 / 12	12	Inside line 47
38 / 13	13	Inside line 48
39 / 14	14	Inside line 49
40 / 15	15	Inside line 50
41 / 16	16	Inside line 51
42 / 17	17	Inside line 52
43 / 18	18	Inside line 53

TABLE G-6: **Pin-out of the punch down block (66-block) of RJ11-to-50-pin cable PN3102 when used with cards 10, 11 and 12 of an NTS/RX system**

44	19	Inside line 54
19		
45	20	Inside line 55
20		
46	21	Inside line 56
21		
47	22	Inside line 57
22		
48	23	Inside line 58
23		
49	24	Inside line 59
24		
50	25	Inside line 60
25		

TABLE G-6: **Pin-out of the punch down block (66-block) of RJ11-to-50-pin cable PN3102 when used with cards 10, 11 and 12 of an NTS/RX system**

Pin-out of the punch down block (66-block) of RJ11-to-50-pin cable PN3102 when used with cards 13, 14, and 15 of an NTS/RX system

Cable Pin # (ring/tip)	Pair #	Line #
26 / 1	1	Outside Line 37
27 / 2	2	Outside line 38
28 / 3	3	Outside line 39
29 / 4	4	Outside Line 40
30 / 5	5	Outside line 41
31 / 6	6	Outside line 42
32 / 7	7	Outside line 43
33 / 8	8	Outside line 44
34 / 9	9	Outside line 45
35 / 10	10	not used
36 / 11	11	Inside line 61
37 / 12	12	Inside line 62
38 / 13	13	Inside line 63
39 / 14	14	Inside line 64
40 / 15	15	Inside line 65
41 / 16	16	Inside line 66
42 / 17	17	Inside line 67
43 / 18	18	Inside line 68

TABLE G-7: **Pin-out of the punch down block of RJ11-to-50-pin cable PN3102 when used with cards 13-15 of an NTS/RX system**

44	19	Inside line 69
19		
45	20	Inside line 70
20		
46	21	Inside line 71
21		
47	22	Inside line 72
22		
48	23	Inside line 73
23		
49	24	Inside line 74
24		
50	25	Inside line 75
25		

TABLE G-7: **Pin-out of the punch down block of RJ11-to-50-pin cable PN3102 when used with cards 13-15 of an NTS/RX system**

Pin-out of the punch down block (66-block) of RJ11-to-50-pin cable PN3102 when used with cards 16 and 17 of an NTS/RX system

Cable Pin # (ring/tip)	Pair #	Line #
26 / 1	1	Outside Line 46
27 / 2	2	Outside line 47
28 / 3	3	Outside line 48
29 / 4	4	Outside Line 49
30 / 5	5	Outside line 50
31 / 6	6	Outside line 51
32 / 7	7	not used
33 / 8	8	not used
34 / 9	9	not used
35 / 10	10	not used
36 / 11	11	Inside line 76
37 / 12	12	Inside line 77
38 / 13	13	Inside line 78
39 / 14	14	Inside line 79
40 / 15	15	Inside line 80
41 / 16	16	Inside line 81
42 / 17	17	Inside line 82
43 / 18	18	Inside line 83

TABLE G-8: **Pin-out of the punch down block of RJ11-to-50-pin cable PN3102 when used with cards 16-17 of an NTS/RX system**

44	19	Inside line 84
19		
45	20	Inside line 85
20		
46	21	not used
21		
47	22	not used
22		
48	23	not used
23		
49	24	not used
24		
50	25	not used
25		

TABLE G-8: **Pin-out of the punch down block of RJ11-to-50-pin cable PN3102 when used with cards 16-17 of an NTS/RX system**

Default system configuration for an NTS/RX system

User #	User name	Change Day/ Night Ring?	Access Authorization	Barge- in	External feature access	Admin privileges	Initial password
0	Administrator	Yes	Allow All	No	Yes	Yes	1000
1	User1	No	Access Group 1	No	No	No	1001
2	User2	No	Access Group 1	No	No	No	1002
3	User3	No	Access Group 1	No	No	No	1003
4	User4	No	Access Group 1	No	No	No	1004
5	User5	No	Access Group 1	No	No	No	1005
6	User6	No	Access Group 1	No	No	No	1006
7	User7	No	Access Group 1	No	No	No	1007
8	User8	No	Access Group 1	No	No	No	1008
9	User9	No	Access Group 1	No	No	No	1009
10	User10	No	Access Group 1	No	No	No	1010
11	User11	No	Access Group 1	No	No	No	1011
12	User12	No	Access Group 1	No	No	No	1012
13	User13	No	Access Group 1	No	No	No	1013
14	User14	No	Access Group 1	No	No	No	1014
15	User15	No	Access Group 1	No	No	No	1015
16	User16	No	Access Group 1	No	No	No	1016
17	User17	No	Access Group 1	No	No	No	1017
18	User18	No	Access Group 1	No	No	No	1018
19	User19	No	Access Group 1	No	No	No	1019
20	User20	No	Access Group 1	No	No	No	1020
21	User21	No	Access Group 1	No	No	No	1021
22	User22	No	Access Group 1	No	No	No	1022
23	User23	No	Access Group 1	No	No	No	1023
24	User24	No	Access Group 1	No	No	No	1024
25	User25	No	Access Group 1	No	No	No	1025
26	User26	No	Access Group 1	No	No	No	1026
27	User27	No	Access Group 1	No	No	No	1027

TABLE G-9: **Telephone users**

User #	User name	Change Day/ Night Ring?	Access Authorization	Barge- in	External feature access	Admin privileges	Initial password
28	User28	No	Access Group 1	No	No	No	1028
29	User29	No	Access Group 1	No	No	No	1029
30	User30	No	Access Group 1	No	No	No	1030
31	User31	No	Access Group 1	No	No	No	1031
32	User32	No	Access Group 1	No	No	No	1032
33	User33	No	Access Group 1	No	No	No	1033
34	User34	No	Access Group 1	No	No	No	1034
35	User35	No	Access Group 1	No	No	No	1035
36	User36	No	Access Group 1	No	No	No	1036
37	User37	No	Access Group 1	No	No	No	1037
38	User38	No	Access Group 1	No	No	No	1038
39	User39	No	Access Group 1	No	No	No	1039
40	User40	No	Access Group 1	No	No	No	1040
41	User41	No	Access Group 1	No	No	No	1041
42	User42	No	Access Group 1	No	No	No	1042
43	User43	No	Access Group 1	No	No	No	1043
44	User44	No	Access Group 1	No	No	No	1044
45	User45	No	Access Group 1	No	No	No	1045
46	User46	No	Access Group 1	No	No	No	1046
47	User47	No	Access Group 1	No	No	No	1047
48	User48	No	Access Group 1	No	No	No	1048
49	User49	No	Access Group 1	No	No	No	1049
50	User50	No	Access Group 1	No	No	No	1050
51	User51	No	Access Group 1	No	No	No	1051
52	User52	No	Access Group 1	No	No	No	1052
53	User53	No	Access Group 1	No	No	No	1053
54	User54	No	Access Group 1	No	No	No	1054
55	User55	No	Access Group 1	No	No	No	1055
56	User56	No	Access Group 1	No	No	No	1056
57	User57	No	Access Group 1	No	No	No	1057

TABLE G-9: **Telephone users**

User #	User name	Change Day/ Night Ring?	Access Authorization	Barge- in	External feature access	Admin privileges	Initial password
58	User58	No	Access Group 1	No	No	No	1058
59	User59	No	Access Group 1	No	No	No	1059
60	User60	No	Access Group 1	No	No	No	1060
61	User61	No	Access Group 1	No	No	No	1061
62	User62	No	Access Group 1	No	No	No	1062
63	User63	No	Access Group 1	No	No	No	1063
64	User64	No	Access Group 1	No	No	No	1064
65	User65	No	Access Group 1	No	No	No	1065
66	User66	No	Access Group 1	No	No	No	1066
67	User67	No	Access Group 1	No	No	No	1067
68	User68	No	Access Group 1	No	No	No	1068
69	User69	No	Access Group 1	No	No	No	1069
70	User70	No	Access Group 1	No	No	No	1070
71	User71	No	Access Group 1	No	No	No	1071
72	User72	No	Access Group 1	No	No	No	1072
73	User73	No	Access Group 1	No	No	No	1073
74	User74	No	Access Group 1	No	No	No	1074
75	User75	No	Access Group 1	No	No	No	1075
76	User76	No	Access Group 1	No	No	No	1076
77	User77	No	Access Group 1	No	No	No	1077
78	User78	No	Access Group 1	No	No	No	1078
79	User79	No	Access Group 1	No	No	No	1079
80	User80	No	Access Group 1	No	No	No	1080
81	User81	No	Access Group 1	No	No	No	1081
82	User82	No	Access Group 1	No	No	No	1082
83	User83	No	Access Group 1	No	No	No	1083
84	User84	No	Access Group 1	No	No	No	1084
85	User85	No	Access Group 1	No	No	No	1085
99	Operator	Yes	Access Group 1	Yes	No	No	1099

TABLE G-9: **Telephone users**

Ext #	Line #	Owner user name	Day ring group	Night ring group	Secs to fwd	Max secs to ring	Ring cadence	Exit Ext. (VM)	Extension name	In PB
111	OL-1	Adminis-trator	No	No	20	20	none	---	Paging	No
202	OL-2	Adminis-trator	No	No	20	20	none	---	OutsideLine_2	Yes
203	OL-3	Adminis-trator	No	No	20	20	none	---	OutsideLine_3	Yes
205-251	OL-5 - OL-51	Adminis-trator	No	No	20	20	none	No	OutsideLine_5-OutsideLine_51	No
300	IL-3	Operator	No	No	20	20	long ring	599	Operator	Yes
301-385	Il-1 - IL-85	User1-User85	No	No	20	20	long ring	501-585	Person_at_Ext_301-Person_at_Ext_385	Yes
411	IL-3	Operator	No	No	20	20	long ring	599	Operator	Yes
611	IL-3	Operator	No	No	20	20	long ring	599	Operator	Yes

TABLE G-10: **System extensions**

Voice Mail Extension	Owner User Number	Owner User Name	Max Message Size in Secs	Voice Mail Directory name	Max Voice Mail Box Size in MB	Voice Mail Box Phonebook Name	In PB?	Allow email
130	0	Administra-tor	0	/130	10	Day_Attendant_Msg	No	No
131	0	Administra-tor	0	/131	10	Night_Attendant_Msg	No	No
500	0	Administra-tor	120	/500	10	Administrator_VMB	Yes	No

TABLE G-11: **System voice mail boxes**

Voice Mail Extension	Owner User Number	Owner User Name	Max Message Size in Secs	Voice Mail Directory name	Max Voice Mail Box Size in MB	Voice Mail Box Phonebook Name	In PB?	Allow email
501 - 585	1 - 30	User1 - User85	120	/501 - / 585	10	User1_VMB- User85_VMB	Yes	No
599	99	Operator	120	/599	30	Operator_VMB	Yes	No

TABLE G-11: **System voice mail boxes**

Line Number	Line Type	Day Action	Night Action	Hold Music?	Access Auth Group	Secure Line (no barge-in or beeps)?	Always Decode Caller-ID?	Centrex/ CLASS/ Normal Line
Outside Line 1	Paging Line	No Action	No Action	No	Lockout Group 1	No	No	Normal
Outside Line 2	Outside Line	120	121	Yes	Lockout Group 1	No	No	Normal
Outside Line 3	Outside Line	120	121	Yes	Lockout Group 1	No	No	Normal
Outside Line 4	Hold Music Input	No Action	No Action	---	Lockout Group 1	No	No	Normal
Outside Line 5- Outside Line 51	Outside Line	120	121	Yes	Lockout Group 1	No	No	Normal

TABLE G-12: **System outside line configuration**

Line Number	Line Type	Day Action	Night Action	Hold Music?	Access Auth Group	Secure Line (no barge-in or beeps)?	Seize Group?
Inside Line 1- Inside Line 85	Inside Line	Dial Tone	Dial Tone	No	Lockout Group 1	No	All Lines

TABLE G-13: **System inside line configuration**

# Digits in extension	3
# Digits in password	4
# Digit in Ring Group	1
Max Hold Stack Depth	3
Energy Detect Threshold	150
Max # of Conferences	2

TABLE G-14: **System constants**

Access authorization group number	Type	Area codes (or 011)
1	Deny	900
2	Allow	800 411 911 011

TABLE G-15: **Access authorization groups**

Auto attendant extension	Program name
120	Day_Program.aa
121	Night_Program.aa

TABLE G-16: **Auto attendant programs**

Name	Outside line size order
All Lines	Outside Lines OL-51, OL-50, OL-49, OL-48, OL-47, OL-46, OL-45, OL-44, OL-43, OL-42, OL-41, OL-40,OL-39, OL-38, OL-37, OL-36, OL-35, OL-34, OL-33, OL-32, OL-31, OL-30, OL-29, OL-28, OL-27, OL-26, OL-25, OL-24, OL-23, OL-22, OL-21, OL-20, OL-19, OL-18, OL-17, OL-16, OL-15, OL-14, OL-13, OL-12, OL-11, OL-10, OL-9, OL-8, OL-7, OL-6, OL-5, OL-3, OL-2

TABLE G-17: **Outside line seize order**

Group number	Inside lines in group
0	Lines IL-1, IL-2, IL-3, IL-4, IL-5, IL-6, IL-7, IL-8, IL-9, IL-10, IL-11, IL-12, IL-13, IL-14, IL-15, IL-16, IL-17, IL-18, IL-19, IL-20 IL-21, IL-22, IL-23, IL-24, IL-25, IL-26, IL-27, IL-28, IL-29, IL-30, IL-31, IL-32, IL-33, IL-34, IL-35, IL-36, IL-37, IL-38, IL-39, IL-40, IL-41, IL-42, IL-43, IL-44, IL-45, IL-46, IL-47, IL-48, IL-49, IL-50, IL-51, IL-52. IL-53, IL-54, IL-55, IL-56, IL-57, IL-58, IL-59, IL-60, IL-61, IL-62, IL-63, IL-64, IL-65, IL-66, IL-67, IL-68, IL-69, IL-70, IL-71, IL-72, IL-73, IL-74, IL-75, IL-76, IL-77, IL-78, IL-79, IL-80. IL-81, IL-82, IL-83, IL-84, IL-85
1	Lines OL-1

TABLE G-18: **Ring groups**

Operator extension	300
Lowest park orbit	100
Highest park orbit	110
Dialing Timeout (secs)	15
Dial Tone Timeout (secs)	90
Busy Signal Timeout (secs)	60
Reminder Tone Timeout (secs)	45
Voice Mail Exclusive Access	No
CPC Delay (secs)	1
Audio Compression Constant	650
Central Offic Hook Flash Time (ms)	750
Conference Time Limit (Min)	30
Exit Voice Mail Extension	120
Voice Mail Waiting Indicator Refresh Time (minutes)	20
Play Second Standard VM Greeting	Yes

TABLE G-19: **System globals**

An incoming caller enters	The call is connected to
0	Operator (extension 300)
1	Extension 301
2	Extension 302
3	No action (waits for rest of extension number). Incorrect or incomplete entries take the caller back to the beginning of the auto-attendant greeting.
4	Extension 304
5	No action (waits for rest of a voice mail extension number). Incorrect or incomplete entries take the caller back to the beginning of the auto-attendant greeting.
6	Extension 306
7	Extension 307
8	Extension 308
9	Operator (extension 300)
*	Operator (extension 300)
#	Operator (extension 300)

TABLE G-20: **Default configuration for both the day and night auto-attendants**

the RJ11 jacks on the back of NTS/RX (rack mounted) system

Line number references
are in innermost pair to
outermost pair order.
For example, the pin-out
of the jack circled below is:

Line 5
Line 3
Line 4

	17	16	15	14	13	12	11	10		9	8	7	6	5	4	3	2	1
utside lines	50,51	47,48	44,45	41,42	38,39	35,36	32,33	29,30		26,27	23,24	20,21	17,18	14,15	11,12	8,9	5,6	2,3
	49	46	43	40	37	34	31	28		25	22	19	16	13	10	7	4	1
nside lines	83,84,85	78,79,80	73,74,75	68,69,70	63,64,65	58,59,60	53,54,55	48,49,50		43,44,45	38,39,40	33,34,35	28,29,30	23,24,25	18,19,20	13,14,15	8,9,10	3,4,5
	81,82	76,77	71,72	66,67	61,62	56,57	51,52	46,47		41,42	36,37	31,32	26,27	21,22	16,17	11,12	6,7	1,2

Numbers listed under the cards on the case

Rear view of case

FIGURE G-1: **Pin-out of the RJ11 jacks on the back of the NTS/RX (rack mounted) system**

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