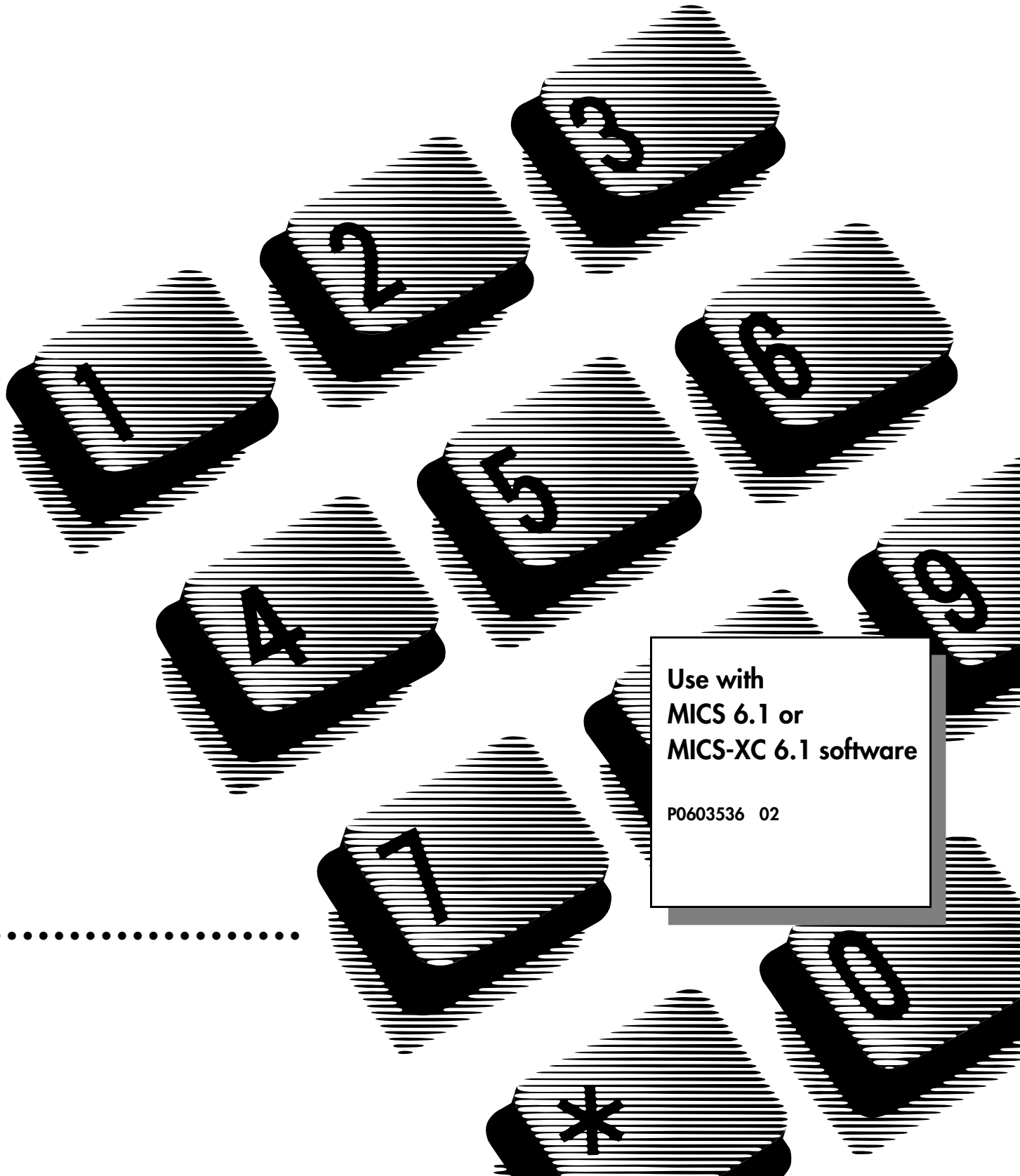


# NORTEL NORSTAR

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## Modular ICS 6.1 Programming Record

(includes MICS-XC programming)




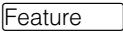




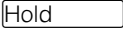

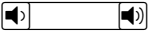


Use with  
MICS 6.1 or  
MICS-XC 6.1 software

P0603536 02

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## Telephone buttons

You can use the following types of telephones to program your MICs system:  
 M7310 or M7324 Norstar telephones or T7316 or T7316E Business Series Terminal.  
 This guide uses the Business Series Telephone button icons for programming procedures.  
 Refer to the table below for the keycap icons that correspond to the programming commands.

<b>Business Series Terminals</b> T7316, T7316E	<b>Button description</b>	<b>Norstar telephones</b> M7310, M7324
	<b>Feature</b>  <b>Handsfree/Mute</b>  <b>Hold</b>  <b>Volume Control</b>  <b>Release</b>	
Handsfree:  (T7316E) Mute: 		
		
		
		

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**Telephone buttons ii**

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# General information

Customer/Company	Supplier
Address	Customer service representative
	Telephone
Telephone	
Billing number	Installer
System coordinator	Installation date

**All defaults for the default templates are shown in bold and underlined text.**

## Copying set programming

You can use the **COPY** command to copy programming from one telephone to other set, a range of sets or all the sets. Depending on where the display button is pressed, you will copy either all the programming for a telephone or only the programming found under one of the individual sub-headings.

For general set copying, you can choose what part of the programming will be used. The choices are:

- **System** — the system administration programming (system data) of a set
- **System + User** — the system administration programming PLUS the programming for a particular set (user data), with the following exceptions:

System Data that copies		System data that does not copy
<b>Line access</b> Line assignment Answer DN's (unless Answer button DN is same as set being copied to) Line pool access Prime line designation Number of intercom keys  <b>Restrictions</b> Line/set restrictions Set restrictions Set Lock Allow Last Number Redial Allow Saved Number Redial Allow Link  <b>Capabilities</b> Allow Redirect Call Forward No Answer (DN or Route + number + delay) Call Forward Busy (DN or Route + number)	Redirect Ring Auxiliary Ringer DND on Busy Hotline Handsfree Answerback Handsfree Setting Direct-dial (which set is reached by the D-Dial digit) Pickup Group Paging Paging Zone Priority call SLR redirection Receive tones ATA ans timer MsgIndicate (for ATA)  <b>Telco Features</b> Call log set ( <i>Logging set</i> ) 1stDisplay	<b>Line access</b> Private line appearances  <b>Capabilities</b> Set Name  <b>Telco features</b> Log space  <b>Passwords</b> Call log password  <b>CAP/KIM assgn</b> Direct-dial set designation ExtraDial set designation Service mode ringing set designation Prime set designation for a line Hunt group appearances SM Supervisor

User data that copies	User data that copies if destination set type is the same as the source set type	User data that does not copy
Language choice Ring type Calls log options ( <i>Auto logging</i> ) Display contrast Dialing options (automatic, predial, standard)	External autodial button assignments Internal autodial button assignments Programmable button assignments	CAP/KIM memory button assignments Ring volume User speed dial entries



# Programming overview (Profiles 1 and 4)

Defaults are shown in bold and underlined

<b>Profile</b>	<u>PROF 1</u>
<b>Dialpad</b>	<u>Q, Z:0</u>
<b>Startup</b>	
<b>Template</b>	<u>Square/(XC)PBX</u>
<b>Start DN</b>	<u>221</u>
<b>Terminals&amp;Sets</b>	
<i>Show set: _</i>	
<b>Line access</b>	
Line assignment	
<i>Show line: _</i>	
(If it is a Non-DID line)	
L001	<u>Unassigned</u>
(If it is a DID line)	
L001	<u>1</u>
(If PRI)	
L001:	<u>PRI-A</u>
LinePool access	
LinePool A	<u>Y</u>
(if there are PRI pools)	
LinePool PRI-A	<u>N</u>
Prime line	<u>I/C</u>
Intercom keys	<u>2</u>
Answer DN's	
<i>Show set: _</i>	
222	<u>Unassigned</u>
OLI#	<u>None</u>
OLI as calld #	<u>N</u>
<b>Capabilities</b>	
Fwd no answer	
Fwd to	<u>None</u>
Forward delay	<u>4</u>
Fwd on busy	
Fwd to	<u>None</u>
DND on Busy	<u>N</u>
Handsfree	<u>None</u>
HF answerback	<u>Y</u>
Pickup grp	<u>None</u>
Page zone	<u>1</u>
Paging	<u>Y</u>
D-Dial	<u>Set1</u>
Priority Call	<u>N</u>
Hotline	<u>None</u>
(if Hotline=Extrml and number specified)	
	<u>Use prime line</u>
Aux. ringer	<u>N</u>

Allow redirect	<u>N</u>
Redirect ring	<u>Y</u>
Intrusion	
Protect Lvl	<u>None</u>
ATA settings	
ATA ans timer	<u>Z</u>
ATA use	<u>Off site</u>
MsgIndicate	<u>None</u>
ATA dvc	<u>Modem</u>
SM Supervisor	<u>N</u>
<b>Name</b>	<u>221</u>
<b>User preferences</b>	
Mdl	<u>M7208</u>
Button prgrming	
User speed dial	<u>(256-279)</u>
Call log opt'ns	
	<u>No one answered</u>
Dialing opt'ns	
	<u>Standard dial</u>
Language	<u>English</u>
Display cntrst	<u>4</u>
Ring type	<u>1</u>
<b>Restrictions</b>	
Restrn filters	
<i>Show filter: _</i>	
Restrn flt 00	<u>No restrictions</u>
Restrn flt 01	
Restrn 01	
Deny	<u>0</u>
No overrides	
Set restrns	
Filters	
Normal	<u>02</u>
Night	<u>11</u>
Evening	<u>12</u>
Lunch	<u>13</u>
Sched 4	<u>00</u>
Sched 5	<u>00</u>
Sched 6	<u>00</u>
Set lock	<u>None</u>
Allow last no	<u>Y</u>
Allow saved no	<u>Y</u>
Allow link	<u>Y</u>
Line/set rstrns	
<i>Show line: _</i>	
Normal	<u>None</u>
Night	<u>None</u>
Evening	<u>None</u>
Lunch	<u>None</u>
Sched 4	<u>None</u>
Sched 5	<u>None</u>
Sched 6	<u>None</u>
<b>Telco features</b>	
Feature Assignment	
<i>Show line: _</i>	
Caller ID set	<u>N</u>
Extl VMsg set	<u>N</u>
1st Display	<u>Name</u>
Called ID	<u>N</u>
Log space	

Log	<u>0</u>
Pool	<u>600</u>
<b>Lines</b>	
<i>Show line: _</i>	
<b>Trunk/Line data</b>	
(If Target Line)	
Line type	<u>Public</u>
Rec'd #	<u>None</u>
PrimeSet	<u>221</u>
Distinct Ring	<u>None</u>
Aux. ringer	<u>N</u>
If busy	<u>PrimeSet</u>
(If T1 and Loopstart)	
Trunk Type	<u>Loop</u>
Line type	<u>Pool A</u>
Dial mode	<u>Tone</u>
PrimeSet	<u>221</u>
Distinct Ring	<u>None</u>
Auto privacy	<u>Y</u>
Trunk mode	<u>Unspr</u>
Ans mode	<u>Manual</u>
Ans with DISA	<u>Y</u>
Link at CO (analog only)	<u>N</u>
Aux. ringer	<u>N</u>
Full AutoHold	<u>N</u>
LossPkg	<u>MediumCO</u>
(If T1 and Groundstart)	
Trunk Type	<u>Ground</u>
Line type	<u>Pool A</u>
Dial mode	<u>Tone</u>
PrimeSet	<u>221</u>
Auto privacy	<u>Y</u>
Ans mode	<u>Manual</u>
Ans with DISA	<u>Y</u>
Aux. ringer	<u>N</u>
(If T1 and E&M)	
Trunk Type	<u>E&amp;M</u>
Line type	<u>Pool A</u>
Dial mode	<u>Tone</u>
PrimeSet	<u>221</u>
Distinct Ring	<u>None</u>
Auto privacy	<u>Y</u>
Ans mode	<u>Manual</u>
Ans with DISA	<u>Y</u>
Aux. ringer	<u>N</u>
Signal	<u>Winkstart</u>
ANI number	<u>N</u>
DNIS number	<u>N</u>
Gain	<u>Normal</u>
(If T1 and DID)	
Trunk Type	<u>DID</u>
Line type	<u>Pool A</u>
Dial mode	<u>Tone</u>
PrimeSet	<u>221</u>
Distinct Ring	<u>None</u>

Ans mode	<u>Manual</u>
Ans with DISA	<u>Y</u>
Link at CO	<u>N</u>
Aux. ringer	<u>N</u>
Signal	<u>Winkstart</u>
ANI number	<u>N</u>
DNIS number	<u>N</u>
Gain	<u>Normal</u>
(If T1 and Fixed) (Profile 1 only)	
Trunk Type	<u>Fixed</u>
(If BRI-ST, BRI-U2 or BRI-U4)	
Trunk Type	<u>BRI-ST</u>
Line type	<u>Pool A</u>
PrimeSet	<u>221</u>
Distinct Ring	<u>None</u>
Auto privacy	<u>Y</u>
Ans mode	<u>Manual</u>
Ans with DISA	<u>Y</u>
Aux. ringer	<u>N</u>
Full AutoHold	<u>N</u>
(If PRI Lines)	
Trunk Type	<u>PRI</u>
Line type	<u>PRI-A for 001-023</u> <u>PRI-B for 025-047</u>
Off-core DTI	<u>PRI-C snd PRI-D</u> midi: 061 to 073 or 085 to 097; mega: 085-097 or 061-073)
PrimeSet	<u>221</u>
Distinct Ring	<u>None</u>
<b>Name</b>	<u>Line001</u>
<b>Restrictions</b>	
Restrn filters	
<i>Show filter: _</i>	
Restrn flt 00	<u>No restrictions</u>
Restrn flt 01	
Restrn 01	
Deny	<u>0</u>
No overrides	
Line restrns	
Normal	<u>03</u>
Night	<u>21</u>
Evening	<u>22</u>
Lunch	<u>23</u>
Sched 4	<u>00</u>
Sched 5	<u>00</u>
Sched 6	<u>00</u>
Remote restrns	
Normal	<u>04</u>
Night	<u>31</u>
Evening	<u>32</u>
Lunch	<u>33</u>
Sched 4	<u>00</u>
Sched 5	<u>00</u>
Sched 6	<u>00</u>
<b>Telco features</b>	
VMsg center	<u>1</u>

# Programming overview (Profiles 1 and 4) continued ...

Defaults are shown in bold and underlined

## Services

### Ringing service

Ringing groups	
<i>Show group: _</i>	
Ring grp 01	
<i>Show set: _</i>	
221	<b>Assigned</b>
222	<b>Unassign</b>
Sched: Night	
Service	<b>Off</b>
Trunk answer	<b>Y</b>
ExtraDial	<b>221</b>
Line settings	
<i>Show line: _</i>	
Ring grp	<b>001</b>
Aux. ringer	<b>N</b>
Sched:Evening	
Sched:Lunch	
Sched:Sched 4	
Sched:Sched 5	
Sched:Sched 6	

### Restrtn service

Sched:Night	
Service	<b>Off</b>
Sched:Evening	
Sched:Lunch	
Sched:Sched 4	
Sched:Sched 5	
Sched:Sched 6	

### Routing service

Routes	
<i>Show route: _</i>	
DialOut	<b>no numbr</b>
Use: PoolA..., Pool O, PRI-A - PRI-D (If PRI-A, B, C, or D)	
Srvctype:	<b>Public</b>
(If service type is Tie, FX, OUTWATS, requires service id)	
Service id:	<b>&lt;valid service id #&gt;</b>
(If Protocol is SL-1 or Tie service type)	
DN type:	<b>Public</b>
Dest codes	
<i>Show DstCode: _</i>	
DstCode:	
Sched:Normal	<b>000</b>
Absorb length	<b>All</b>
Sched:Night	<b>None</b>
First route	
Absorb length	
Second route	
Absorb length	
Third route	
Absorb length	
Sched:Evening	<b>None</b>
Sched:Lunch	<b>None</b>
Sched:Sched 4	<b>None</b>

Sched:Sched 5	<b>None</b>
Sched:Sched 6	<b>None</b>
Sched:Night	
Service	<b>Off</b>
Overflow	<b>N</b>
Sched:Evening	
Sched:Lunch	
Sched:Sched 4	
Sched:Sched 5	
Sched:Sched 6	

### Common settings

Control sets	
For lines	
<i>Show line: _</i>	
L001	<b>221</b>
For sets	
<i>Show set: _</i>	
221	<b>221</b>
Schedule names	
Sched 1	<b>Night</b>
Sched 2	<b>Evening</b>
Sched 3	<b>Lunch</b>
Sched 4	<b>Sched 4</b>
Sched 5	<b>Sched 5</b>
Sched 6	<b>Sched 6</b>
Schedule times	
Monday	
Sched:Night	
Start time	<b>23:00</b>
Stop time	<b>07:00</b>
Sched:Evening	
Start time	<b>17:00</b>
Stop time	<b>23:00</b>
Sched:Lunch	
Start time	<b>12:00</b>
Stop time	<b>13:00</b>
Sched:Sched 4	
Start time	<b>00:00</b>
Stop time	<b>00:00</b>
Sched:Sched 5	
Start time	<b>00:00</b>
Stop time	<b>00:00</b>
Sched:Sched 6	
Start time	<b>00:00</b>
Stop time	<b>00:00</b>
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	

### Sys speed dial

<i>Speed dial #: _</i>	<i>(001 to 255)</i>
001:	<b>No number</b>
(if number is programmed)	
<b>Use prime line</b>	
Display digits <b>Y</b>	
(if Display digits=N)	
Name	<b>Sys Spd Dial 001</b>
Bypass restr'n	<b>N</b>

Note: To make use of the Alpha

tagging feature, you must specify a name for the speed dial.

## Passwords

### COS pswds

<i>Show pswd #: _</i>	
COS pswd #00	<b>None</b>
Pswd 00	<b>None</b>
User flt	<b>None</b>
Line flt	<b>None</b>
Remote pkg	<b>None</b>

### Call log pswds

<i>Show set: _</i>	
Log pswd	<b>None</b>

### Progmrng pswds

Installer	<b>266344</b>
(CONFIG)	
SysAdmin+	<b>727587</b>
(SCPLUS)	
Sys admin	<b>23646</b>
(ADMIN)	
Basic	<b>22742</b>
(BASIC)	

### Hospitality

Desk pswd	<b>4677</b>
(HOSP)	
Cond pswd	<b>None</b>
SM passwd	<b>745368</b>

## Time&Date

Hour	<b>01</b>
Minutes	<b>00</b>
Year	<b>02</b>
Month	<b>01</b>
Day	<b>01</b>

## System prgrming

### Hunt groups

<i>Show group: _</i>	
HGnn:<DN>	
Member DNs	
M001:	<b>Appr&amp;Ring</b>
Line assignment	
Show line: _	
Lnnn:	<b>Unassigned</b>

Mode:	<b>Broadcast</b>
Hunt delay: (sequential mode only)	<b>4</b>
If busy:	<b>BusyTone</b>
Timeout:	<b>60</b>
Overflow:	<b>&lt;DN&gt; or &lt;hunt group DN&gt;</b>
Name:	<b>&lt;7 characters&gt;</b>
Aux. ringer	<b>N</b>
Distinct Ring	<b>None</b>

### Change DNs

<i>Old DN: _</i>	Max. 7 digits
<i>New DN: _</i>	Max. 7 digits

### Featr settings

Backgrnd music	<b>N</b>
On hold	<b>Tones</b>
Receiver volume	
<b>Use sys volume</b>	
Camp timeout	<b>45</b>
Park timeout	<b>45</b>
Park mode	<b>Lowest</b>
Trnsfr callbk	<b>4</b>
DRT to prime	<b>Y</b>
DRT delay	<b>4</b>
Held reminder	<b>N</b>
Remind delay	<b>60</b>
Directd pickup	<b>Y</b>
Page tone	<b>Y</b>
Page Timeout	<b>180</b>
Daylight time	<b>Y</b>
AutoTime&Date	<b>Y</b>
SWCA cntl	
Auto Associate	<b>N</b>
Invoke by Hold	<b>N</b>
Call log space	
Reset all logs?	
Space/log	
Host delay	<b>1000</b>
Link time	<b>600</b>
AlarmSet	<b>221</b>
Set relocation	<b>N</b>
Msg Reply enh	<b>N</b>
Anskey:	<b>Basic</b>
Silent Monitor	<b>N</b>
Clid match	<b>8</b>

### Direct-dial

D-Dial 1	<b>Intrnl</b>
Use prime line	

### CAP/KIM assignment

CAP/KIM1	<b>None</b>
----------	-------------

### Dialing Plan

Private network	
Type	<b>None</b>
Priv DN len	<b>3</b>
Type	<b>CDP</b>
PrivNetId	<b>1</b>

## Programming overview (Profiles 1 and 4) continued ...

Defaults are shown in **bold and underlined**

Priv DN len	<b>3</b>	<b>Release reasons</b>	<b>SysID (8 digits)</b>	1800	<b>None</b>
Type	UDP	<hr/>	<hr/>	900	<b>None</b>
PrivNetId	<b>1</b>	Text:	<b>None</b>	SDS	<b>None</b>
Loc code	<b>None</b>	<b>Hospitality</b>	<hr/>	CO fail	<b>TIA-547A</b>
Priv DN len	<b>3</b>	<hr/>	<hr/>	I/F levels:	<b>ISDN</b>
Public network		Room/desk info	Key 1 (8 digits)	Framing	<b>ESF</b>
Pub DN lengths		Show set:___	Key 2 (8 digits)	Internal CSU	<b>On</b>
Show prefix:		Room #: _	Key 3 (8 digits)	CSU line bld	<b>0</b>
Prfx:Deflt		Adm pwd req'd:		Line coding	<b>B8ZS</b>
DN length	<b>7</b>	Call restrns	<hr/>	Clock Src	<b>Primary</b>
Dial timeout		Vacant:	<b>00</b>	(If DID card)	
Dial timeout	<b>4</b>	Use ftt:___		Card type	<b>DID</b>
<b>Access codes</b>		Basic:	<b>00</b>	Lines	
<hr/>		Mid:	<b>00</b>	(If E&M card)	
Line pool codes		Full:	<b>00</b>	Card type	<b>E&amp;M</b>
Line pool A	<b>9</b>	Service time		Lines	
Park prefix	<b>1</b>	Hour:	<b>00</b>	Answer timer	<b>2</b>
Extrnl code	<b>None</b>	Minutes:	<b>00</b>	(If BRI card)	
Direct-dial	<b>0</b>	Alarm		Card type	
Auto DN	<b>None</b>	Attn attempts:	<b>3</b>	Loops	
DISA DN	<b>None</b>	Retry intrvl:	<b>4</b>	Loop aaa	
PrivAccCode	<b>None</b>	Attn duration:	<b>15</b>	Type	<b>I</b>
Carrier Codes		Time format	<b>12hr</b>	Protocol	
Prfx:	<b>10</b>	Expired Alarms		Sampling	<b>Fixed</b>
ID length:	<b>3</b>	Notify set:	<b>None</b>	(For Sand LT)	
Prfx:	<b>101</b>	Use Tone:	<b>N</b>	Assign DN:	
<b>Remote access</b>		<b>SM sets</b>	<b>5</b>	Show DN:___	<b>Availabl</b>
<hr/>		<b>Network Services</b>		Loop DN:___	<b>None</b>
Rem access pkgs		(SL-1 MCDN only)		(For T & NT)	
Show pkg:___		MCDN		SPIDn	
00		NetwklCCL	<b>N</b>	# of B-channels	<b>1</b>
LinePool access		TRO	<b>Y</b>	Network DN:	
PRI-A (A-D)	<b>N</b>	TAT	<b>N</b>	DN1	
Pool A (9)	<b>N</b>	<b>Telco features</b>		Call type	<b>Both</b>
Pool B (B-O) ( )	<b>N</b>	<hr/>		D-packet service	
Remote page	<b>N</b>	<b>VMsg ctr tel#s</b>		D-packet servc	
01	<b>N</b>	VMsg center 1		LPnnn	<b>None</b>
LinePool access		Use: Linelrouting tbl	<b>no number</b>	TEIs	
PRI-A (A-D)	<b>N</b>	Tel#:		TEI	
Pool A (9)	<b>Y</b>	VMsg center 2		Clock Src	<b>Primary</b>
Pool B (B-O) ( )	<b>N</b>	VMsg center 3		ONN blk	<b>SuprsBit</b>
Remote page	<b>N</b>	VMsg center 4		DataMod settings for Profile 1 only	
Rem line access		VMsg center 5		(If DataMod=IDM 200)	
Show line:___		<b>ONN blocking</b>		Type	<b>IDM 200</b>
L001 Rem pkg	<b>00</b>	Analog VSC		Fixed access	
<b>Rec'd # length</b>	<b>3</b>	Tone	<b>None</b>	Show line:___	
<hr/>		Pulse	<b>None</b>	L001:	<b>Unassigned</b>
<b>DN length</b>	<b>3</b>	BRI VSC		L001:	<b>Channel:xx</b>
<hr/>		Code	<b>None</b>	DataMod NVRAM	
<b>BusName</b>	<b>None</b>	<b>Software keys</b>		(If DataMod=BayStack)	
<hr/>		(Used to activate ISDN PRI and fixed access		Type	<b>BayStack</b>
<b>CbC limits</b>	<b>(NI-2 protocol only)</b>	trunks/WAN access for Data Modules)		IP address	
Pool PRI-A		(MICS-XC: also activates Companion		Fixed access	
Service: Public		features.)		Show line:___	
Min in				L001:	<b>Unassigned</b>
Max in				L001:	<b>Channel:xx</b>
Min out				Switched access	
Max out				Line assignment	
Service: Tie				Show line:___	
Service: FX				L001:	<b>Unassigned</b>
Service: OUTWATS				LinePool access	
Service: 800				LinePool PRI-A:	<b>N</b>
Pool PRI-B				L001:	<b>Unassigned</b>
				Dial-in:	<b>None</b>
				(MICS-XC only)	
				(If DataMod=SDI)	
				Type	<b>SDI</b>

# Programming overview (Profiles 2 and 3)

Defaults are shown in **bold and underlined**

Config	
Ptl	<u>V.35</u>
DS0 rate	<u>64k</u>
TxCik src	<u>Auto</u>
TxCik invrsn	<u>Off</u>
Data invrsn	<u>Off</u>
Fixed access	
Show line: _	
L001:	<u>Unassigned</u>
L001:	<u>Channel:xx</u>
Lp state	<u>None</u>
Lpbk	<u>Off</u>
Cd2-KSU	<u>Loop</u>
Mod 03 to 08	<u>StnMod</u>

## Maintenance

- [System version](#)
- [Port/DN status](#)
- [Module status](#)
- [Sys test log](#)
- [Sys admin log](#)
- [Network evt log](#)
- [Provisioning](#)
- [Tests](#)
- [CSU stats](#)
- [Diagnostic tools](#)
- [Link status](#)

## Usage Metrics

- [Hunt groups](#)
- [Call-by-Call](#)

## Profile

**PROF.1**

## Dialpad

**Q, Z:0**

## Startup

**Template (MICS)Square/(XC)PBX**

**Start DN 221**

## Terminals&Sets

Show set: \_

### Line access

Line assignment	
Show line: _	
(If it is a Non-DID line)	
L001	<u>Unassigned</u>
(If it is a DID line)	
L001	<u>1</u>
LinePool access	
LinePool A	<u>Y</u>
(if there are PRI pools)	
LinePool PRI-A	<u>N</u>
Prime line	<u>1/C</u>
Intercom keys	<u>2</u>
Answer DNs	
Show set: _	
222	<u>Unassigned</u>
OLI#	<u>None</u>

### Capabilities

Fwd no answer	
Fwd to	<u>None</u>
Forward delay	<u>4</u>
Fwd on busy	
Fwd to	<u>None</u>
DND on Busy	<u>N</u>
Handsfree	<u>None</u>
HF answerback	<u>Y</u>
Pickup grp	<u>None</u>
Page zone	<u>1</u>
Paging	<u>Y</u>
D-Dial	<u>Set1</u>
Priority Call	<u>N</u>
Hotline	<u>None</u>
(if Hotline=Extrnl and number specified)	<u>Use prime line</u>
Aux. ringer	<u>N</u>
Allow redirect	<u>N</u>
Redirect ring	<u>Y</u>
Intrusion	

Protect Lvl	<u>None</u>
ATA settings	
ATA ans timer	<u>Z</u>
ATA use	<u>Off site</u>
MsgIndicate	<u>None</u>
ATA dvc	<u>Modem</u>
SM Supervisor	<u>N</u>

**Name 221**

### User preferences

Mdl	<u>M7208</u>
Button prgrming	
User speed dial (256-279)	
Call log opt'n's	
<b>No one answered</b>	
Dialing opt'n's	
<b>Standard dial</b>	
Language	<u>English</u>
Display cntrst	<u>4</u>
Ring type	<u>1</u>

### Restrictions

Restrtn filters	
Show filter: _	
Restrtn fit 00	<u>No restrictions</u>
Restrtn fit 01	
Restrtn 01	
Deny	<u>0</u>
No overrides	
Set restrtns	
Filters	
Normal	<u>02</u>
Night	<u>11</u>
Evening	<u>12</u>
Lunch	<u>13</u>
Sched 4	<u>00</u>
Sched 5	<u>00</u>
Sched 6	<u>00</u>
Set lock	<u>None</u>
Allow last no	<u>Y</u>
Allow saved no	<u>Y</u>
Allow link	<u>Y</u>

### Line/set restrtns

Show line: _	
Normal	<u>None</u>
Night	<u>None</u>
Evening	<u>None</u>
Lunch	<u>None</u>
Sched 4	<u>None</u>
Sched 5	<u>None</u>
Sched 6	<u>None</u>

### Telco features

Feature Assignment	
Show line: _	
Caller ID set	<u>N</u>
Extrl VMsg set	<u>N</u>
1st Display	<u>Name</u>
Called ID	<u>N</u>
Log space	
Log 0	<u>Pool 600</u>

## Lines

Show line: \_

### Trunk/Line data

(If Target Line)	
Line type	<u>Public</u>
Rec'd #	<u>None</u>
PrimeSet	<u>221</u>
Distinct Ring	<u>None</u>
Aux. ringer	<u>N</u>
If busy	<u>PrimeSet</u>
(If PRI Lines (001 to 030, 031 to 060) Profile 2 only)	
Trunk Type	<u>PRI</u>
Line type	<u>PRI-A</u>
PrimeSet	<u>221</u>
Distinct Ring	<u>None</u>
(If T1 and Loopstart) Profile 3 only	
Trunk Type	<u>Loop</u>
Line type	<u>Pool A</u>
Dial mode	<u>Tone</u>
PrimeSet	<u>221</u>
Distinct Ring	<u>None</u>
Auto privacy	<u>Y</u>
Trunk mode	<u>Unspr</u>
Ans mode	<u>Manual</u>
Ans with DISA	<u>Y</u>
Link at CO (analog only)	<u>N</u>
Aux. ringer	<u>N</u>
Full AutoHold	<u>N</u>
LossPkg	<u>MediumCO</u>
(If T1 and Groundstart) Profile 3 only	
Trunk Type	<u>Ground</u>
Line type	<u>Pool A</u>
Dial mode	<u>Tone</u>
PrimeSet	<u>221</u>
Distinct Ring	<u>None</u>
Auto privacy	<u>Y</u>
Ans mode	<u>Manual</u>
Ans with DISA	<u>Y</u>
Aux. ringer	<u>N</u>
(If T1 and E&M) Profile 3 only	
Trunk Type	<u>E&amp;M</u>
Line type	<u>Pool A</u>
Dial mode	<u>Tone</u>
PrimeSet	<u>221</u>
Distinct Ring	<u>None</u>
Auto privacy	<u>Y</u>
Ans mode	<u>Manual</u>
Ans with DISA	<u>Y</u>
Aux. ringer	<u>N</u>
Signal	<u>Winkstart</u>
ANI number	<u>N</u>
DNIS number	<u>N</u>
Gain	<u>Normal</u>

# Programming overview (Profiles 2 and 3) continued ...

Defaults are shown in **bold and underlined**

(If T1 and DID) Profile 3 only

Trunk Type	<b>DID</b>
Line type	<b>Pool A</b>
Dial mode	<b>Tone</b>
PrimeSet	<b>221</b>
Distinct Ring	<b>None</b>
Ans mode	<b>Manual</b>
Ans with DISA	<b>Y</b>
Link at CO	<b>N</b>
Aux. ringer	<b>N</b>
Signal	<b>Winkstart</b>
ANI number	<b>N</b>
DNIS number	<b>N</b>
Gain	<b>Normal</b>

(If BRI-2 or BRI-ST)

Trunk Type	<b>BRI-ST</b>
Line type	<b>Pool A</b>
PrimeSet	<b>221</b>
Distinct Ring	<b>None</b>
Auto privacy	<b>Y</b>
Ans mode	<b>Manual</b>
Ans with DISA	<b>Y</b>
Aux. ringer	<b>N</b>
Full AutoHold	<b>N</b>

**Name** **Line001**

## Restrictions

Restrtn filters	
<i>Show filter: _</i>	
Restn flt 00	<b>No restrictions</b>
Restn flt 01	
Restrn 01	
Deny	<b>0</b>
No overrides	
Line restrns	
Normal	<b>03</b>
Night	<b>21</b>
Evening	<b>22</b>
Lunch	<b>23</b>
Sched 4	<b>00</b>
Sched 5	<b>00</b>
Sched 6	<b>00</b>
Remote restrns	
Normal	<b>04</b>
Night	<b>31</b>
Evening	<b>32</b>
Lunch	<b>33</b>
Sched 4	<b>00</b>
Sched 5	<b>00</b>
Sched 6	<b>00</b>

## Telco features

VMsg center	<b>1</b>
-------------	----------

## Services

## Ringing service

Ringing groups	
<i>Show group: _</i>	
Ring grp 01	
<i>Show set: _</i>	
221	<b>Assigned</b>
222	<b>Unassign</b>
Sched: Night	
Service	<b>Off</b>
Trunk answer	<b>Y</b>
ExtraDial	<b>221</b>
Line settings	
<i>Show line: _</i>	
Ring grp	<b>001</b>
Aux. ringer	<b>N</b>
Sched:Evening	
Sched:Lunch	
Sched:Sched 4	
Sched:Sched 5	
Sched:Sched 6	

## Restrn service

Sched:Night	
Service	<b>Off</b>
Sched:Evening	
Sched:Lunch	
Sched:Sched 4	
Sched:Sched 5	
Sched:Sched 6	

## Routing service

Routes	
<i>Show route: _</i>	
DialOut	<b>no number</b>
Use: PoolA..., Pool O,	
Dest codes	
<i>Show DstCode: _</i>	
DstCode:	
Normal	<b>000</b>
Absorb length	<b>All</b>
Sched:Night	<b>None</b>
First route	
Absorb length	
Second route	
Absorb length	
Third route	
Absorb length	
Sched:Evening	<b>None</b>
Sched:Lunch	<b>None</b>
Sched:Sched 4	<b>None</b>
Sched:Sched 5	<b>None</b>
Sched:Sched 6	<b>None</b>
Sched:Night	
Service	<b>Off</b>
Overflow	<b>N</b>
Sched:Evening	
Sched:Lunch	
Sched:Sched 4	
Sched:Sched 5	
Sched:Sched 6	

## Common settings

Control sets	
For lines	
<i>Show line: _</i>	
L001	<b>221</b>
For sets	
<i>Show set: _</i>	
221	<b>221</b>
Schedule names	
Sched 1	<b>Night</b>
Sched 2	<b>Evening</b>
Sched 3	<b>Lunch</b>
Sched 4	<b>Sched 4</b>
Sched 5	<b>Sched 5</b>
Sched 6	<b>Sched 6</b>
Schedule times	
Monday	
Sched:Night	
Start time	<b>23:00</b>
Stop time	<b>07:00</b>
Sched:Evening	
Start time	<b>17:00</b>
Stop time	<b>23:00</b>
Sched:Lunch	
Start time	<b>12:00</b>
Stop time	<b>13:00</b>
Sched:Sched 4	
Start time	<b>00:00</b>
Stop time	<b>00:00</b>
Sched:Sched 5	
Start time	<b>00:00</b>
Stop time	<b>00:00</b>
Sched:Sched 6	
Start time	<b>00:00</b>
Stop time	<b>00:00</b>
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	

## Sys speed dial

<i>Speed dial #: _ (001 to 255)</i>	
001:	<b>No number</b>
(if number is programmed)	
<b>Use prime line</b>	
Display digits	<b>Y</b>
(if Display digits=N)	
Name	<b>Sys Spd Dial 001</b>
Bypass restr'n	<b>N</b>

Note: To make use of the Alpha tagging feature, you must specify a name for the speed dial.

## Passwords

### COS pswds

<i>Show pswd #: _</i>	
COS pswd #00	

Pswd 00	<b>None</b>
User flt	<b>None</b>
Line flt	<b>None</b>
Remote pkg	<b>None</b>

## Call log pswds

<i>Show set: _</i>	
Log pswd	<b>None</b>

## Progmrng pswds

Installer	<b>266344</b>
(CONFIG)	
SysAdmin+	<b>727587</b>
(SCPLUS)	
Sys admin	<b>23646</b>
(ADMIN)	
Basic	<b>22742</b>
(BASIC)	

## Hospitality

Desk pswd	<b>4677</b>
(HOSP)	
Cond pswd	<b>None</b>

## SM password

**745368**

## Time&Date

Hour	<b>01</b>
Minutes	<b>00</b>
Year	<b>02</b>
Month	<b>01</b>
Day	<b>01</b>

## System prgmrng

### Hunt groups

<i>Show group: _</i>	
HGnn:<DN>	
Member DNs	
M001:	<b>Appr&amp;Ring</b>
Line assignment	
<i>Show line: _</i>	
Lnnn:	<b>Unassigned</b>
Mode:	<b>Broadcast</b>
Hunt delay: (sequential mode only)	
	<b>4</b>
If busy:	<b>BusyTone</b>
Timeout:	<b>60</b>
Overflow:	<DN> or <hunt group DN>
Name:	<7 characters>
Aux. ringer	<b>N</b>
Distinct Ring	<b>None</b>





# Programming overview MICS-XC (Companion)

Defaults are shown in bold and underlined

- [Network evt log](#)

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- [Provisioning](#)

---

- [Tests](#)

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- [CSU stats](#)

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- [Diagnostic tools](#)

---

- [Link status](#)

---

- [Usage Metrics](#)

---

- [Hunt groups](#)

---

- [Call-by-Call](#)

---

## Profile

**PROF\_1**

## Dialpad

**Q,Z:0**

## Startup

**Template** **PBX**

**Start DN** **221**

## Terminals&Sets

Show set: \_

### Line access

Line assignment	
Show line: _	
(If it is a Non-DID line)	
L001	<b>Unassigned</b>
(If it is a DID line)	
L001	<b>1</b>
(If PRI)	
L001:	<b>PRI-A</b>
LinePool access	
LinePool PRI-A	<b>N</b>
(if there are PRI pools)	
LinePool PRI-A	<b>N</b>
Prime line	<b>I/C</b>
Intercom keys	<b>2</b>
Answer DNs	
Show set: _	
222	<b>Unassigned</b>
OLI#	<b>None</b>
OLI as calld #	<b>N</b>

### Capabilities

Fwd no answer	
Fwd to	<b>None</b>
Forward delay	<b>4</b>
Fwd on busy	
Fwd to	<b>None</b>
DND on Busy	<b>N</b>
Handsfree	<b>None</b>
HF answerback	<b>Y</b>
Pickup grp	<b>None</b>
Page zone	<b>1</b>
Paging	<b>Y</b>
D-Dial	<b>Set1</b>
Priority Call	<b>N</b>
Hotline	<b>None</b>
(if Hotline=Extrnl and number specified)	<b>Use prime line</b>
Aux. ringer	<b>N</b>

Allow redirect	<b>N</b>
Redirect ring	<b>Y</b>
Intrusion	
Protect Lvl	<b>None</b>
ATA settings	
ATA ans timer	<b>7</b>
ATA use	<b>Off site</b>
MsgIndicate	<b>None</b>
ATA dvc	<b>Modem</b>
SM Supervisor	<b>N</b>
<b>Name</b>	<b>221</b>

### User preferences

Mdl	<b>M7208</b>
Button prgrming	
User speed dial	<b>(256-279)</b>
Call log opt'ns	<b>No one answered</b>
Dialing opt'ns	<b>Standard dial</b>
Language	<b>English</b>
Display cntrst	<b>4</b>
Ring type	<b>1</b>

### Restrictions

Restrn filters	
Show filter: _	
Restrn flt 00	<b>No restrictions</b>
Restrn flt 01	
Restrn 01	
Deny	<b>0</b>
No overrides	
Set restrns	
Filters	
Normal	<b>02</b>
Night	<b>11</b>
Evening	<b>12</b>
Lunch	<b>13</b>
Sched 4	<b>00</b>
Sched 5	<b>00</b>
Sched 6	<b>00</b>
Set lock	<b>None</b>
Allow last no	<b>Y</b>
Allow saved no	<b>Y</b>
Allow link	<b>Y</b>
Line/set rstrns	
Show line: _	
Normal	<b>None</b>
Night	<b>None</b>
Evening	<b>None</b>
Lunch	<b>None</b>
Sched 4	<b>None</b>
Sched 5	<b>None</b>
Sched 6	<b>None</b>

### Telco features

Feature Assignment	
Show line: _	
Caller ID set	<b>N</b>
Extrl VMsg set	<b>N</b>
1st Display	<b>Name</b>
Called ID	<b>N</b>
Log space	

Log **0** Pool **600**

## Lines

Show line: \_

### Trunk/Line data

(If Target Line)	
Line type	<b>Public</b>
Rec'd #	<b>None</b>
PrimeSet	<b>221</b>
Distinct Ring	<b>None</b>
Aux. ringer	<b>N</b>
If busy	<b>PrimeSet</b>
(If T1 and Loopstart)	
Trunk Type	<b>Loop</b>
Line type	<b>Pool A</b>
Dial mode	<b>Tone</b>
PrimeSet	<b>221</b>
Distinct Ring	<b>None</b>
Auto privacy	<b>Y</b>
Trunk mode	<b>Unspr</b>
Ans mode	<b>Manual</b>
Ans with DISA	<b>Y</b>
Link at CO (analog only)	<b>N</b>
Aux. ringer	<b>N</b>
Full AutoHold	<b>N</b>
LossPkg	<b>MediumCO</b>
(If T1 and Groundstart)	
Trunk Type	<b>Ground</b>
Line type	<b>Pool A</b>
Dial mode	<b>Tone</b>
PrimeSet	<b>221</b>
Distinct Ring	<b>None</b>
Auto privacy	<b>Y</b>
Ans mode	<b>Manual</b>
Ans with DISA	<b>Y</b>
Aux. ringer	<b>N</b>
(If T1 and E&M)	
Trunk Type	<b>E&amp;M</b>
Line type	<b>Pool A</b>
Dial mode	<b>Tone</b>
PrimeSet	<b>221</b>
Distinct Ring	<b>None</b>
Auto privacy	<b>Y</b>
Ans mode	<b>Manual</b>
Ans with DISA	<b>Y</b>
Aux. ringer	<b>N</b>
Signal	<b>Winkstart</b>
ANI number	<b>N</b>
DNIS number	<b>N</b>
Gain	<b>Normal</b>
(If T1 and DID)	
Trunk Type	<b>DID</b>
Line type	<b>Pool A</b>
Dial mode	<b>Tone</b>
PrimeSet	<b>221</b>

# Programming overview MICS-XC (Companion) continued ...

Defaults are shown in **bold and underlined>**

Distinct Ring	<u>None</u>
Ans mode	<u>Manual</u>
Ans with DISA	<u>Y</u>
Link at CO	<u>N</u>
Aux. ringer	<u>N</u>
Signal	<u>Winkstart</u>
ANI number	<u>N</u>
DNIS number	<u>N</u>
Gain	<u>Normal</u>
(If T1 and Fixed) (Profile 1 only)	
Trunk Type	<u>Fixed</u>
(If BRI-ST, BRI-U2 or BRI-U4)	
Trunk Type	<u>BRI-ST</u>
Line type	<u>Pool A</u>
PrimeSet	<u>221</u>
Distinct Ring	<u>None</u>
Auto privacy	<u>Y</u>
Ans mode	<u>Manual</u>
Ans with DISA	<u>Y</u>
Aux. ringer	<u>N</u>
Full AutoHold	<u>N</u>
(If PRI Lines (001 to 023, 031 to 053.	
Trunk Type	<u>PRI</u>
Line type	<u>PRI-A for 001-023</u> <u>PRI-B for 025-047</u>
Off-core DTI	<u>PRI-C and PRI-D</u> midi: 061 to 073 or 085 to 097; mega: 085-097 or 061-073)
PrimeSet	<u>221</u>
Distinct Ring	<u>None</u>

**Name** Line001

## Restrictions

Restrtn filters	
<i>Show filter: _</i>	
Restrtn flt 00	<u>No restrictions</u>
Restrtn flt 01	
Restrtn 01	
Deny	<u>0</u>
No overrides	
Line restrtns	
Normal	<u>03</u>
Night	<u>21</u>
Evening	<u>22</u>
Lunch	<u>23</u>
Sched 4	<u>00</u>
Sched 5	<u>00</u>
Sched 6	<u>00</u>
Remote restrtns	
Normal	<u>04</u>
Night	<u>31</u>
Evening	<u>32</u>
Lunch	<u>33</u>
Sched 4	<u>00</u>
Sched 5	<u>00</u>
Sched 6	<u>00</u>

## Telco features

VMsg center	<u>1</u>
-------------	----------

## Services

### Ringng service

Ringng groups	
<i>Show group: _</i>	
Ring grp 01	
<i>Show set: _</i>	
221	<u>Assigned</u>
222	<u>Unassign</u>
Sched: Night	
Service	<u>Off</u>
Trunk answer	<u>Y</u>
ExtraDial	<u>221</u>
Line settings	
<i>Show line: _</i>	
Ring grp	<u>001</u>
Aux. ringer	<u>N</u>
Sched:Evening	
Sched:Lunch	
Sched:Sched 4	
Sched:Sched 5	
Sched:Sched 6	

### Restrn service

Sched: Night	
Service	<u>Off</u>
Sched:Evening	
Sched:Lunch	
Sched:Sched 4	
Sched:Sched 5	
Sched:Sched 6	

### Routing service

Routes	
<i>Show route: _</i>	
DialOut	<u>no number</u>
Use: PoolA..., Pool O,	
PRI-A - PRI-D	
(If PRI-A, B, C, or D)	
SvcType:	<u>Public</u>
(If service type is Tie, FX,	
OUTWATS, requires service id)	
Service id:	
<valid service id #>	<u>None</u>
(If Protocol is SL-1 or	
Tie service type)	
DN type:	<u>Public</u>
Dest codes	
<i>Show DstCode: _</i>	
DstCode:	
Normal	<u>000</u>
Absorb length	<u>All</u>
Sched: Night	<u>None</u>
First route	
Absorb length	
Second route	
Absorb length	
Third route	
Absorb length	
Sched:Evening	<u>None</u>
Sched:Lunch	<u>None</u>
Sched:Sched 4	<u>None</u>

Sched:Sched 5	<u>None</u>
Sched:Sched 6	<u>None</u>
Sched: Night	
Service	<u>Off</u>
Overflow	<u>N</u>
Sched: Evening	
Sched: Lunch	
Sched: Sched 4	
Sched: Sched 5	
Sched: Sched 6	

## Common settings

Control sets	
For lines	
<i>Show line: _</i>	
L001	<u>221</u>
For sets	
<i>Show set: _</i>	
221	<u>221</u>
Schedule names	
Sched 1	<u>Night</u>
Sched 2	<u>Evening</u>
Sched 3	<u>Lunch</u>
Sched 4	<u>Sched 4</u>
Sched 5	<u>Sched 5</u>
Sched 6	<u>Sched 6</u>
Schedule times	
Monday	
Sched: Night	
Start time	<u>23:00</u>
Stop time	<u>07:00</u>
Sched: Evening	
Start time	<u>17:00</u>
Stop time	<u>23:00</u>
Sched: Lunch	
Start time	<u>12:00</u>
Stop time	<u>13:00</u>
Sched: Sched 4	
Start time	<u>00:00</u>
Stop time	<u>00:00</u>
Sched: Sched 5	
Start time	<u>00:00</u>
Stop time	<u>00:00</u>
Sched: Sched 6	
Start time	<u>00:00</u>
Stop time	<u>00:00</u>
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	

## Sys speed dial

<i>Speed dial #: _</i> (001 to 255)	
001:	<u>No number</u>
(if number is programmed)	
<u>Use prime line</u>	
Display digits	<u>Y</u>
(if Display digits=N)	
Name	<u>Sys Spd Dial 001</u>
Bypass restr'n	<u>N</u>

Note: To make use of the Alpha

tagging feature, you must specify a name for the speed dial.

## Passwords

### COS pswd

<i>Show pswd #: _</i>	
COS pswd #00	
Pswd 00	<u>None</u>
User flt	<u>None</u>
Line flt	<u>None</u>
Remote pkg	<u>None</u>

### Call log pswd

<i>Show set: _</i>	
Log pswd	<u>None</u>

### Progmrng pswd

Installer	<u>266344</u>
(CONFIG)	
SysAdmin+	<u>727587</u>
(SCPLUS)	
Sys admin	<u>23646</u>
(ADMIN)	
Basic	<u>22742</u>
(BASIC)	

**Reg. pswd** 72346  
(MICS-XC only)

## Hospitality

Desk pswd	<u>4677</u>
(HOSP)	
Cond pswd	<u>None</u>
<b>SM password</b>	<u>745368</u>

## Time&Date

<b>Hour</b>	<u>01</u>
<b>Minutes</b>	<u>00</u>
<b>Year</b>	<u>02</u>
<b>Month</b>	<u>01</u>
<b>Day</b>	<u>01</u>

# Programming overview MICS-XC (Companion) continued ...

Defaults are shown in bold and underlined

## System prgrming

### Hunt groups

Show group:             
 HGnn:<DN>  
 Member DNs  
 M001:       **Appr&Ring**  
 Line assignment  
 Show line:             
 Lnnn:       **Unassigned**  
 Mode:       **Broadcast**  
 Hunt delay: (sequential  
 mode only)       **4**  
 If busy:       **BusyTone**  
 Timeout:       **60**  
 Overflow:       <DN> or  
               <hunt group DN>  
 Name:        <7 characters>  
 Aux. ringer       **N**  
 Distinct Ring    **None**

### Change DNs

Old DN:              Max. 7 digits  
 New DN:              Max. 7 digits

### Featr settings

Backgrnd music    **N**  
 On hold           **Tones**  
 Receiver volume  
                   **Use sys volume**  
 Camp timeout     **45**  
 Park timeout     **45**  
 Park mode        **Lowest**  
 Trnsfr callbk    **4**  
 DRT to prime     **Y**  
 DRT delay        **4**  
 Held reminder    **N**  
 Remind delay     **60**  
 Directd pickup   **Y**  
 Page tone        **Y**  
 Page Timeout     **180**  
 Daylight time    **Y**  
 AutoTime&Date   **Y**  
 Call log space  
 Reset all logs?  
 Space/log  
 Host delay        **1000**  
 Link time         **600**  
 AlarmSet         **221**  
 Set relocation    **N**  
 Msg Reply enh    **N**  
 Anskey:           **Basic**  
 SWCA cntl  
 Auto Associate    **N**  
 Invoke by Hold   **N**  
 CLID Match       **8**  
 Silent Monitor    **N**

### Direct-dial

D-Dial 1           **Intrnl**  
 Use prime line

### CAP/KIM assignment

CAP1/KIM1        **None**

### Dialing Plan

Private network  
 Type               **None**  
 Priv DN len        **3**  
 Type                CDP  
 PrivNetId          **1**  
 Priv DN len        **3**  
 Type                UDP  
 PrivNetId          **1**  
 Loc code           **None**  
 Priv DN len        **3**  
 Public network  
 Pub DN lengths  
 Show prefix:  
 Prfx:Deflt  
 DN length           **7**  
 Dial timeout  
 Dial timeout        **4**

### Access codes

Line pool codes  
 Line pool A        **9**  
 Park prefix        **1**  
 Extrnl code        **None**  
 Direct-dial        **0**  
 Auto DN            **None**  
 DISA DN            **None**  
 PrivAccCode        **None**  
 Carrier Codes  
 Prfx:                **10**  
 ID length:          **3**  
 Prfx:                **101**

### Remote access

Rem access pkgs  
 Show pkg:             
 00  
 LinePool access  
 PRI-A (A-D)        **N**  
 Pool A (9)         **N**  
 Pool B (B-O) ( )   **N**  
 Remote page        **N**  
 01  
 LinePool access  
 PRI-A (A-D)        **N**  
 Pool A (9)         **Y**  
 Pool B (B-O) ( )   **N**  
 Remote page        **N**  
 Rem line access  
 Show line:             
 L001 Rem pkg        **00**

### Change DN type (MICS-XC only)

Show DN

637:                **Portable**  
 State               **Available**

### Companion (MICS-XC only)

Registration  
 Registration        **N**  
 Portable DNs  
 Show DN:  
 637                 **Available**

### Radio data

#### Re-evaluation

Status:  
 Schedule:

#### Radios

Cell assignment  
 Show radio:        **Unassigned**  
 Antenna type  
 Show radio:        **Internal**

#### Cells

Show cell:             
 Cell radios  
 Show radio:        **Unassigned**  
 Cell nghbrs  
 Show nghbr:        **Unassigned**  
 Cell rad nghbrs  
 ShowRadNghbr: **Unassigned**

#### System LID:

**Rec'd # length**        **3**

**DN length**            **3**

**BusName**               **None**

### CbC limits

Pool PRI-A  
 Service: Public  
 Min in  
 Max in  
 Min out  
 Max out  
 Service: Tie  
 Service: FX  
 Service: OUTWATS  
 Service: 800  
 Pool PRI-B

### Release reasons

Text:                **None**

### Hospitality

#### Room/desk info

Show set:             
 Room #:             
 Adm pwd req'd:       **Y**

#### Call restrns

Vacant:             **00**  
 Use fit:             
 Basic:              **00**  
 Mid:                **00**  
 Full:                **00**

#### Service time

Hour:                **00**  
 Minutes:            **00**

#### Alarm

Attn attempts:      **3**  
 Retry intrvl:       **4**  
 Attn duration:      **15**  
 Time format         **12hr**  
 Expired Alarms  
 Notify set:          None  
 Use Tone:           **N**

### Network Services

(SL-1 MCDN only)

#### MCDN

NetwklCCL           **N**  
 TRO                 **Y**  
 TAT                 **N**

### SM sets

## Telco features

### VMsg ctr tel#s

VMsg center 1  
 Use: Line/routing tbl  
 Tel#:                **no number**  
 VMsg center 2  
 VMsg center 3  
 VMsg center 4  
 VMsg center 5

### ONN blocking

Analog VSC  
 Tone                **None**  
 Pulse               **None**  
 BRI VSC  
 Code                **None**

## Software keys

(Used to activate ISDN PRI and fixed access trunks/WAN access for Data Modules) (MICS-XC: also activates Companion features.)

### SYSID (8 digits)

### Password keys

Key 1 (8 digits)  
 Key 2 (8 digits)  
 Key 3 (8 digits)

## Hardware

Show Module:           

Cards on KSU  
 Cd1-KSU             **Loop**  
 Card type           **Loop**  
 Lines

# Programming overview MICS-XC (Companion) continued ...

Defaults are shown in **bold and underlined**

(If T1 card)	Discon timer	<b><u>460</u></b>	Answer timer	<b><u>2</u></b>
	Card type	<b><u>T1</u></b>	(If BRI card)	
	Lines		Card type	
	Discon timer	<b><u>460</u></b>	Loops	
	Answer timer	<b><u>2</u></b>	Loop aaa	
	CO fail	<b><u>T1A-547A</u></b>	Type	<b><u>I</u></b>
	I/F levels	<b><u>ISDN</u></b>	Protocol	
	Framing	<b><u>ESF</u></b>	Sampling	<b><u>Fixed</u></b>
	Internal CSU	<b><u>On</u></b>	(For S and LT)	
	CSU line bld	<b><u>0</u></b>	Assign DN's	
	DSX1 bld	<b><u>000-100</u></b>	Show DN: _	<b><u>Availabl</u></b>
	Line coding	<b><u>B8ZS</u></b>	Loop DN: _	<b><u>None</u></b>
	Clock Src	<b><u>Primary</u></b>	(For T & NT)	
(If PRI card)	Card type:	<b><u>PRI</u></b>	SPIDn	
	Lines		# of B-channels	<b><u>1</u></b>
(If protocol is for MCDN)	Protocol	<b><u>SL1</u></b>	Network DN's	
	CRC: (profile 2 only)	<b><u>ON</u></b>	DN1	
	PrivNetID	<b><u>1</u></b>	Call type	<b><u>Both</u></b>
	Type	<b><u>Slave</u></b>	D-packet service	
	BchanSeq	<b><u>Descend</u></b>	D-packet servc	
	ClockSrc	<b><u>Primary</u></b>	LPnnn	<b><u>None</u></b>
	Max transits	<b><u>31</u></b>	TEIs	
(If more than one Protocol)	Protocol	<b><u>NI-2</u></b>	TEI	
	PrivNetID	<b><u>30</u></b>	Clock Src	<b><u>Primary</u></b>
	BchanSeq	<b><u>Descend</u></b>	ONN blk	<b><u>SuprsBit</u></b>
	CbC Routing		DataMod settings for Profile 1 only	
(If Protocol is DMS-100)	CbC values		(If DataMod=IDM 200)	
	FX	<b><u>None</u></b>	Type	<b><u>IDM 200</u></b>
	800	<b><u>None</u></b>	Fixed access	
(If Protocol is NI-2)	CbC values		Show line: _	
	FX	<b><u>None</u></b>	L001: _	<b><u>Unassigned</u></b>
	800	<b><u>None</u></b>	L001: _	<b><u>Channel:xx</u></b>
(If Protocol is DMS-250)	CbC values		DataMod NVRAM	
	FX	<b><u>None</u></b>	(If DataMod=BayStack)	
	800	<b><u>None</u></b>	Type	<b><u>BayStack</u></b>
	900	<b><u>None</u></b>	IP address	
(If Protocol is AT&T-4ESS)	CbC values		Fixed access	
	FX	<b><u>None</u></b>	Show line: _	
	800	<b><u>None</u></b>	L001: _	<b><u>Unassigned</u></b>
	900	<b><u>None</u></b>	L001: _	<b><u>Channel:xx</u></b>
	SDS	<b><u>None</u></b>	Switched access	
	CO fail	<b><u>T1A-547A</u></b>	Line assignment	
	I/F levels:	<b><u>ISDN</u></b>	Show line: _	
	Framing	<b><u>ESF</u></b>	L001: _	<b><u>Unassigned</u></b>
	Internal CSU	<b><u>On</u></b>	L001: _	<b><u>Channel:xx</u></b>
	CSU line bld	<b><u>0</u></b>	LinePool access	
	Line coding	<b><u>B8ZS</u></b>	LinePool PRI-A:	<b><u>N</u></b>
	Clock Src	<b><u>Primary</u></b>	L001: _	<b><u>Unassigned</u></b>
(If DID card)	Card type	<b><u>DID</u></b>	Dial-in:	<b><u>None</u></b>
	Lines		(MICS-XC only)	
(If E&M card)	Card type	<b><u>E&amp;M</u></b>	(If DataMod=SDI)	
	Lines		Type	<b><u>SDI</u></b>
			Config	
			Pti	<b><u>V.35</u></b>
			DS0 rate	<b><u>64k</u></b>
			TxCik src	<b><u>Auto</u></b>
			TxCik invrsn	<b><u>Off</u></b>
			Data invrsn	<b><u>Off</u></b>
			Fixed access	
			Show line: _	
			L001: _	<b><u>Unassigned</u></b>
			L001: _	<b><u>Channel:xx</u></b>
			Lp state	<b><u>None</u></b>
			Lpbk	<b><u>Off</u></b>
			Cd2-KSU	<b><u>Loop</u></b>
			Mod 03 to 08	<b><u>StnMod</u></b>

- [System version](#)

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- [Port/DN status](#)

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- [Module status](#)

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- [Sys test log](#)

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- [Sys admin log](#)

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- [Network evt log](#)

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- [Provisioning](#)

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- [Tests](#)

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- [CSU stats](#)

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- [Diagnostic tools](#)

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- [Link status](#)

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- [Usage Metrics](#)

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- [Hunt groups](#)

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- [Call-by-Call](#)

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## Maintenance

# Companion programming charts

The next four pages contain charts specific to programming the Companion information. All other programming for MICS-XC systems are the same as for the other MICS systems, and follows this section.

## System LID (Companion sets for MICS-XC systems)

(System prgrming; Companion; System LID)

	_____
--	-------

## Software keys

(Used in MICS-XC to also activate Companion attributes.)

## SysID

SysID: <8 digits>:	_____
--------------------	-------

## Companion ID

Companion ID	_____
--------------	-------

## Password keys for Companion (MICS-XC systems)

Date	Key 1	Key 2	Key 3	Notes

## Reg. pswd (XC Companion)

(Passwords; Reg. pswd)

Reg. password	<u>72346</u> RADIO
---------------	--------------------





**Radios and Cells (Companion CT2+ sets for MICS-XC systems)**

(System prgrming; Companion; Radios and System prgrming; Companion; Cells)

TCM port:	KSU block number	device type*	n†	Base Station / equipment location	RPI units (identify with number or description‡)	RPI wiring KSU block number		Antenna
						TCM (if used)	Power source	
0__01								
0__02								
0__03								
0__04								
0__05								
0__06		Base Station						<u>Internal</u> External
0__07		Base Station						<u>Internal</u> External
0__08		Base Station						<u>Internal</u> External
0__09		Base Station						<u>Internal</u> External
0__10		Base Station						<u>Internal</u> External
0__11		Base Station						<u>Internal</u> External
0__12		Base Station						<u>Internal</u> External
0__13		Base Station						<u>Internal</u> External
0__14		Base Station						<u>Internal</u> External
0__15		Base Station						<u>Internal</u> External
0__16		Base Station						<u>Internal</u> External
0__17		Base Station						<u>Internal</u> External
0__18		Base Station						<u>Internal</u> External
0__19		Base Station						<u>Internal</u> External
0__20		Base Station						<u>Internal</u> External
0__21		Base Station						<u>Internal</u> External
0__22		Base Station						<u>Internal</u> External
0__23		Base Station						<u>Internal</u> External
0__24		Base Station						<u>Internal</u> External
0__25		Base Station						<u>Internal</u> External
0__26		Base Station						<u>Internal</u> External
0__27		Base Station						<u>Internal</u> External
0__28		Base Station						<u>Internal</u> External
0__29		Base Station						<u>Internal</u> External
0__30		Base Station						<u>Internal</u> External
0__31		Base Station						<u>Internal</u> External
0__32		Base Station						<u>Internal</u> External

\*. Write E if using an external antenna.

†. n is the radio number. Each radio uses a five-digit number, the TCM port number followed by the radio number (n).

‡. If using a plug-top power supply, write PT.



# Hardware

## Modules

<b>Mod 03</b>	<b><u>StnMod</u></b> ASM	DataMod	TrunkMod
<b>Mod 04</b>	<b><u>StnMod</u></b> ASM	DataMod	TrunkMod
<b>Mod 05</b>	<b><u>StnMod</u></b> ASM	DataMod	TrunkMod
<b>Mod 06</b>	<b><u>StnMod</u></b> ASM	DataMod	TrunkMod
<b>Mod 07</b>	<b><u>StnMod</u></b> ASM	DataMod	TrunkMod
<b>Mod 08</b>	<b><u>StnMod</u></b> ASM	DataMod	TrunkMod
<b>Mod 09</b>	<b><u>StnMod</u></b> ASM	DataMod	
<b>Mod 10</b>	<b><u>StnMod</u></b> ASM	DataMod	
<b>Mod 11</b>	<b><u>StnMod</u></b> ASM	DataMod	
<b>Mod 12</b>	<b><u>StnMod</u></b> ASM	DataMod	
<b>Mod 13</b> (For use by Companion or the DM only)	<b><u>StnMod</u></b>	DataMod	
<b>Mod 14</b> (For use by Companion or the DM only)	<b><u>StnMod</u></b>	DataMod	



Photocopy pages before using.

# Initial settings

## Profile

<b>Profile</b>	<u>PROF 1</u> PROF 2    PROF 3    PROF 4
----------------	--

## Dialpad

<b>Dialpad</b>	<u>Q, Z:0</u> Q, Z:7, 9
----------------	-------------------------

## Startup

<b>Template</b>	PBX    DID
<b>Start DN</b>	221    _____



Photocopy pages before using.

## Capabilities

(Terminals&amp;Sets: Capabilities)

Sets: (max. 7 digits)							
Fwd no answer	<u>None</u> to:	<u>None</u> to:	<u>None</u> to:	<u>None</u> to:	<u>None</u> to:	<u>None</u> to:	<u>None</u> to:
Fwd delay	2 3 <u>4</u> 6 10	2 3 <u>4</u> 6 10	2 3 <u>4</u> 6 10	2 3 <u>4</u> 6 10	2 3 <u>4</u> 6 10	2 3 <u>4</u> 6 10	2 3 <u>4</u> 6 10
Fwd on busy	<u>None</u> to:	<u>None</u> to:	<u>None</u> to:	<u>None</u> to:	<u>None</u> to:	<u>None</u> to:	<u>None</u> to:
DND on Busy	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>
Handsfree Note: T7316E tele- phones display only Auto and None.	Auto Std <u>None</u>	Auto Std <u>None</u>	Auto Std <u>None</u>	Auto Std <u>None</u>	Auto Std <u>None</u>	Auto Std <u>None</u>	Auto Std <u>None</u>
HF answerback	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N
Pickup grp	0 1 <u>2</u> 3 4 5 6 7 8 9 <u>None</u>	0 1 <u>2</u> 3 4 5 6 7 8 9 <u>None</u>	0 1 <u>2</u> 3 4 5 6 7 8 9 <u>None</u>	0 1 <u>2</u> 3 4 5 6 7 8 9 <u>None</u>	0 1 <u>2</u> 3 4 5 6 7 8 9 <u>None</u>	0 1 <u>2</u> 3 4 5 6 7 8 9 <u>None</u>	0 1 <u>2</u> 3 4 5 6 7 8 9 <u>None</u>
Page zone	<u>1</u> 2 3 4 5 6 None	<u>1</u> 2 3 4 5 6 None	<u>1</u> 2 3 4 5 6 None	<u>1</u> 2 3 4 5 6 None	<u>1</u> 2 3 4 5 6 None	<u>1</u> 2 3 4 5 6 None	<u>1</u> 2 3 4 5 6 None
Paging	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N
D-Dial	<u>Set1</u> Set __ None	<u>Set1</u> Set __ None	<u>Set1</u> Set __ None	<u>Set1</u> Set __ None	<u>Set1</u> Set __ None	<u>Set1</u> Set __ None	<u>Set1</u> Set __ None
Priority call	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>
Hotline	<u>None</u> Intrnl# __ Extrnl# __	<u>None</u> Intrnl# __ Extrnl# __	<u>None</u> Intrnl# __ Extrnl# __	<u>None</u> Intrnl# __ Extrnl# __	<u>None</u> Intrnl# __ Extrnl# __	<u>None</u> Intrnl# __ Extrnl# __	<u>None</u> Intrnl# __ Extrnl# __
Use Hotline on: (If Hotline = Extrnl)	<u>Use prime line</u> Use line #: __ Pool code: Use routing tabl:	<u>Use prime line</u> Use line #: __ Pool code: Use routing tabl:	<u>Use prime line</u> Use line #: __ Pool code: Use routing tabl:	<u>Use prime line</u> Use line #: __ Pool code: Use routing tabl:	<u>Use prime line</u> Use line #: __ Pool code: Use routing tabl:	<u>Use prime line</u> Use line #: __ Pool code: Use routing tabl:	<u>Use prime line</u> Use line #: __ Pool code: Use routing tabl:
Aux. ringer	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>
Allow redirect	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>
Redirect ring	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N
Intrusion Protect Lvl	<u>None</u> , Low, Med, High	<u>None</u> , Low, Med, High	<u>None</u> , Low, Med, High	<u>None</u> , Low, Med, High	<u>None</u> , Low, Med, High	<u>None</u> , Low, Med, High	<u>None</u> , Low, Med, High
ATA settings ATA ans timer	3 5 <u>7</u> 10	3 5 <u>7</u> 10	3 5 <u>7</u> 10	3 5 <u>7</u> 10	3 5 <u>7</u> 10	3 5 <u>7</u> 10	3 5 <u>7</u> 10
ATA use	On site <u>Off site</u>	On site <u>Off site</u>	On site <u>Off site</u>	On site <u>Off site</u>	On site <u>Off site</u>	On site <u>Off site</u>	On site <u>Off site</u>
ATA dvc	<u>Modem</u> Telephon	<u>Modem</u> Telephon	<u>Modem</u> Telephon	<u>Modem</u> Telephon	<u>Modem</u> Telephon	<u>Modem</u> Telephon	<u>Modem</u> Telephon
MsgIndicate	<u>None</u> Tone Lamp	<u>None</u> Tone Lamp	<u>None</u> Tone Lamp	<u>None</u> Tone Lamp	<u>None</u> Tone Lamp	<u>None</u> Tone Lamp	<u>None</u> Tone Lamp
SM Supervisor	<u>N</u> Y	<u>N</u> Y	<u>N</u> Y	<u>N</u> Y	<u>N</u> Y	<u>N</u> Y	<u>N</u> Y

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**Name**

(Terminals&amp;Sets: Name)

Name (max. 7 char.)	<b>221</b>	<b>221</b>	<b>221</b>	<b>221</b>	<b>221</b>	<b>221</b>	<b>221</b>
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**User preferences**

(Terminals&amp;Sets: User preferences)

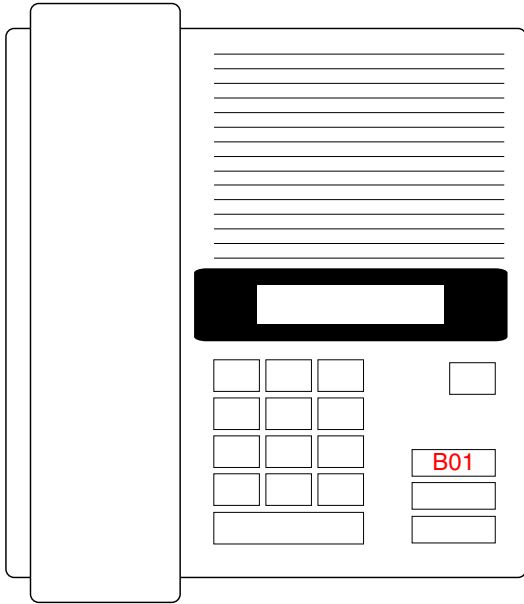
Mdl	M7324 (T7316) M7310 (T7316) M7208 (T7208) M7100 (T7100) Other: CAP T7316E T7316E+1KIM T7316E+2KIM T7316E+3KIM T7316E+4 KIM ATA Intl set Companion	M7324 (T7316) M7310 (T7316) M7208 (T7208) M7100 (T7100) Other: CAP T7316E T7316E+1KIM T7316E+2KIM T7316E+3KIM T7316E+4 KIM ATA Intl set Companion	M7324 (T7316) M7310 (T7316) M7208 (T7208) M7100 (T7100) Other: CAP T7316E T7316E+1KIM T7316E+2KIM T7316E+3KIM T7316E+4 KIM ATA Intl set Companion	M7324 (T7316) M7310 (T7316) M7208 (T7208) M7100 (T7100) Other: CAP T7316E T7316E+1KIM T7316E+2KIM T7316E+3KIM T7316E+4 KIM ATA Intl set Companion	M7324 (T7316) M7310 (T7316) M7208 (T7208) M7100 (T7100) Other: CAP T7316E T7316E+1KIM T7316E+2KIM T7316E+3KIM T7316E+4 KIM ATA Intl set Companion	M7324 (T7316) M7310 (T7316) M7208 (T7208) M7100 (T7100) Other: CAP T7316E T7316E+1KIM T7316E+2KIM T7316E+3KIM T7316E+4 KIM ATA Intl set Companion
Button prgrming	Record button programming starting on page 23.					
User speed dial (256-279)	Record user speed dial numbers starting on page 32.					
Call log opt'ns	Log all calls... No autolog- ging... <b>No one answerd...</b> Unanswerd by me...	Log all calls... No autolog- ging... <b>No one answerd...</b> Unanswerd by me...	Log all calls... No autolog- ging... <b>No one answerd...</b> Unanswerd by me...	Log all calls... No autolog- ging... <b>No one answerd...</b> Unanswerd by me...	Log all calls... No autolog- ging... <b>No one answerd...</b> Unanswerd by me...	Log all calls... No autolog- ging... <b>No one answerd...</b> Unanswerd by me...
Dialing opt'ns	<b>Standard dial</b> Pre-dial Automatic dial	<b>Standard dial</b> Pre-dial Automatic dial	<b>Standard dial</b> Pre-dial Automatic dial	<b>Standard dial</b> Pre-dial Automatic dial	<b>Standard dial</b> Pre-dial Automatic dial	<b>Standard dial</b> Pre-dial Automatic dial
(Profiles 1, 3 and 4) Language Langue Idioma	<b>English</b> Français Español	<b>English</b> Français Español	<b>English</b> Français Español	<b>English</b> Français Español	<b>English</b> Français Español	<b>English</b> Français Español
(Profile 2 only) Language Langue Idioma	<b>English</b> Français Español Turkish	<b>English</b> Français Español Turkish	<b>English</b> Français Español Turkish	<b>English</b> Français Español Turkish	<b>English</b> Français Español Turkish	<b>English</b> Français Español Turkish
Display cntrst	1 2 3 <b>4</b> 567 8 9	1 2 3 <b>4</b> 567 8 9	1 2 3 <b>4</b> 567 8 9	1 2 3 <b>4</b> 567 8 9	1 2 3 <b>4</b> 567 8 9	1 2 3 <b>4</b> 567 8 9
Ring type	<b>1</b> 2 3 4	<b>1</b> 2 3 4	<b>1</b> 2 3 4	<b>1</b> 2 3 4	<b>1</b> 2 3 4	<b>1</b> 2 3 4

Photocopy pages before using.

### Button prgrming

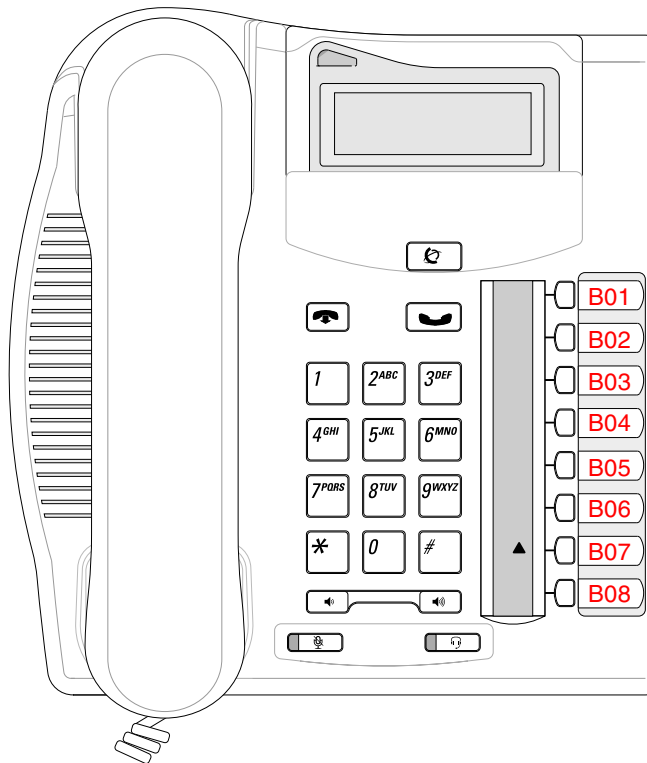
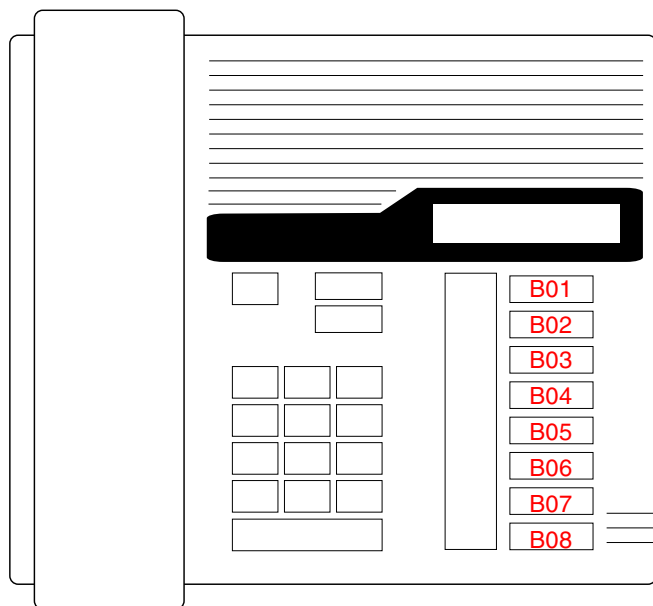
Enter the button programming information for each telephone in the appropriate table.

### Model M7100/T7100 Button Programming



M7100/T7100	Prgmring	All defaults
B01		Last No.

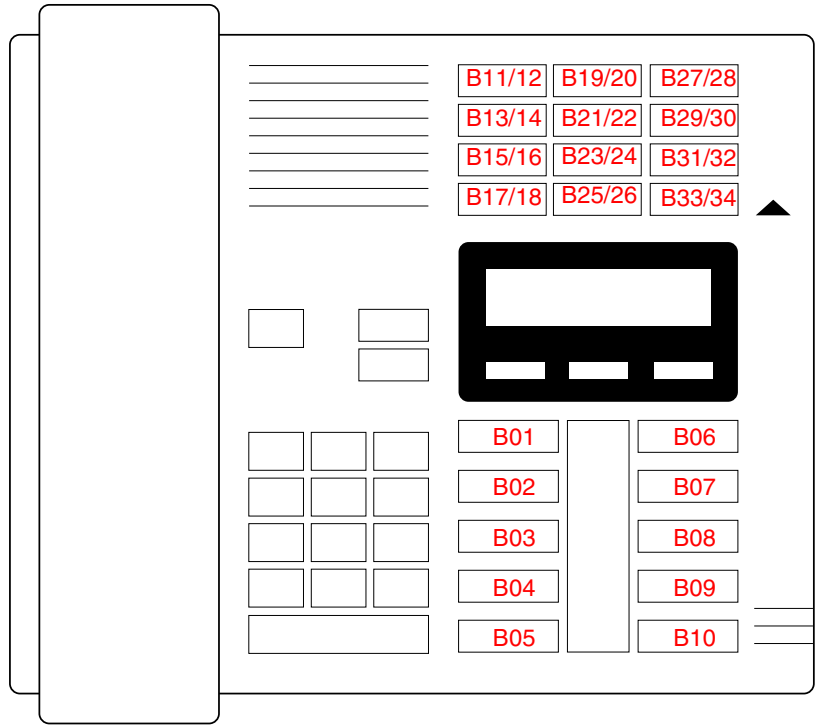
## Model M7208/T7208 Button Programming



M7208/T7208	Prgming	Square	Centrex	Hybrid	PBX	DID
B01		Line 1	Line <XX>	Line 1	Pick-Up	Line <XX>
B02		Line 2	Transfer	Line pool	Transfer	Transfer
B03		Last No.			Last No.	
B04		Page	Link	Page	Page	Page
B05		Conf/ Trans			Conf/ Trans	
B06		Speed Dial			Speed Dial	
B07		Intercom			Intercom	
B08		Intercom			Intercom	



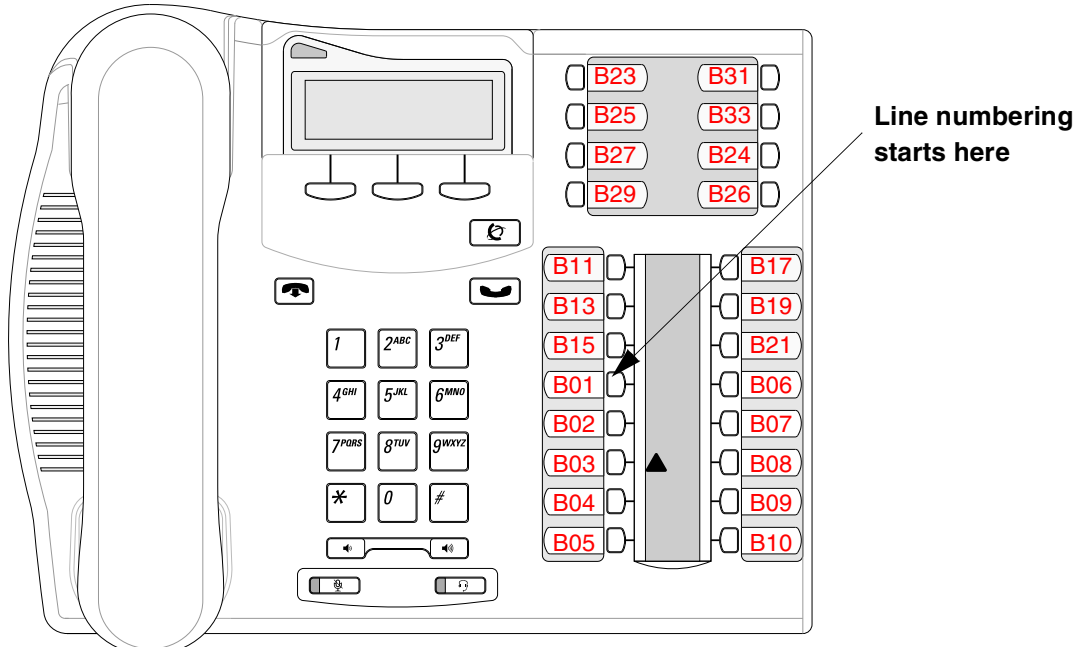
# Model M7310 Button Programming



M7310	Prgming	Square	Centrex	Hybrid	PBX	DID
B01		Line 1	Line <xx>	Line 1	DND	Line <xx>
B02		Line 2	Transfer	Line Pool	Transfer	Transfer
B03		Call Fwd				
B04		Pickup				
B05		Page	Link	Page	Page	Page
B06		Conf/Trans				
B07		Last No.				
B08		Voice Call				
B09		Intercom				
B10		Intercom				
B11		Set 221				
B12 (shift)		Set 233				
B13		Set 222				
B14 (shift)		Set 234				
B15		Set 223				
B16 (shift)		Set 235				
B17		Set 224				
B18 (shift)		Set 236				
B19		Set 225				
B20 (shift)		Set 237				
B21		Set 226				

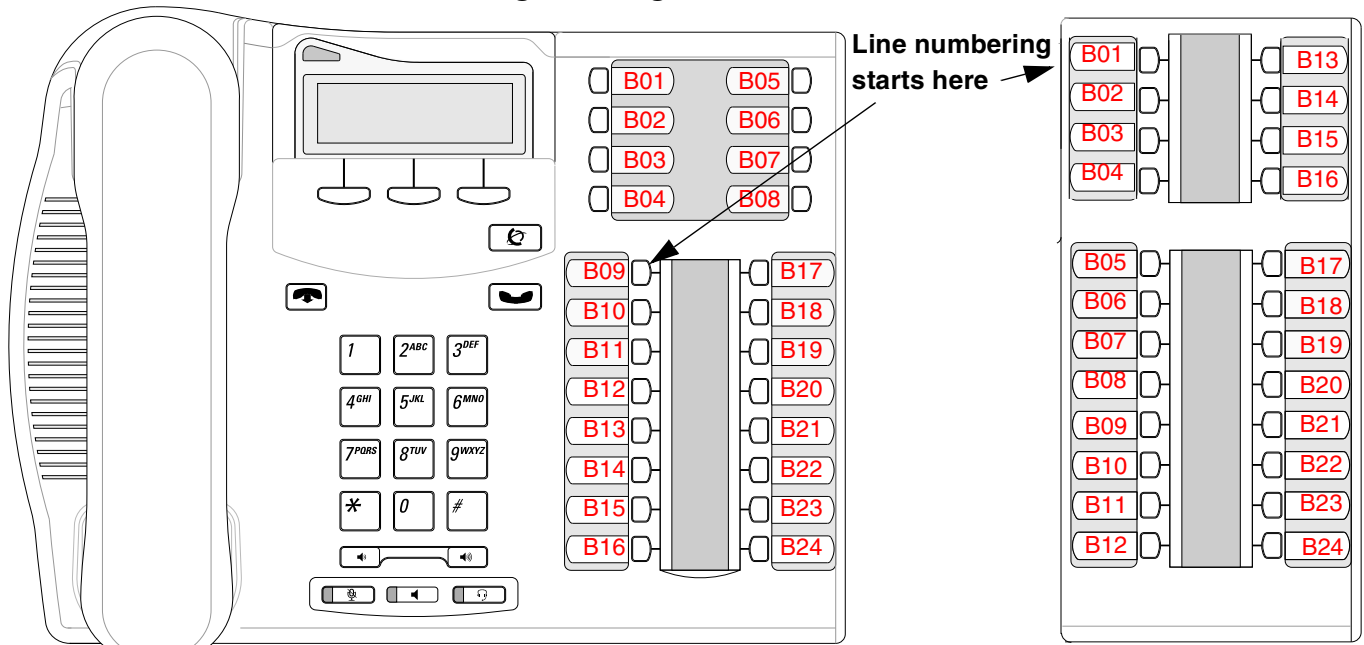
<b>M7310</b>	<b>Pgrming</b>	<b>Square</b>	<b>Centrex</b>	<b>Hybrid</b>	<b>PBX</b>	<b>DID</b>
B22 (shift)		Set 238				
B23		Set 227				
B24 (shift)		Set 239				
B25		Set 228				
B26 (shift)		Set 240				
B27		Set 229				
B28 (shift)		Set 241				
B29		Set 230				
B30 (shift)		Set 242				
B31		Set 231				
B32 (shift)		Set 243				
B33		Set 232				
B34 (shift)		Set 244				

# Model T7316 Button Programming



T7316	Prgming	Square	Centrex	Hybrid	PBX	DID
B01		Line 1	Line <xx>	Line 1	DND	Line <xx>
B02		Line 2	Transfer	Line Pool	Transfer	Transfer
B03		Call Fwd				
B04		Pickup				
B05		Page	Link	Page	Page	Page
B06		Conf/Trans				
B07		Last No.				
B08		Voice Call				
B09		Intercom				
B10		Intercom				
B11		Internal autodial				
B13		Internal autodial				
B15		Internal autodial				
B17		Internal autodial				
B19		Internal autodial				
B21		Internal autodial				
B23		Internal autodial				
B24		Internal autodial				
B25		Internal autodial				
B26		Internal autodial				
B27		Internal autodial				
B29		Internal autodial				
B31		Internal autodial				
B33		Internal autodial				

### Model T7316E and KIM Button Programming



T7316E	Pgrming	Square	Centrex	Hybrid	PBX	DID
B01		Contrast				
B02		Show Time				
B03		Privacy	Blank	Privacy	Blank	
B04		Blank				
B05		SavNum redial	Blank	Sav Num redial	Blank	Sav Num redial
B06		System Park	Blank	System Park	Blank	System Park
B07		Send Message				
B08		Speed dial				
B09		Line <XX>	Blank	Line <XX>	System Park	Line <XX>
B10		Line <XX>	Call Forward	Line <XX>	Sav Num redial	
B11		Call Forward	Pick Up	Call Forward		
B12		Pick up	Page	Pick up		
B13		Page	Transfer	Page		
B14		Transfer	Time/Date	Transfer		
B15		Time/Date	Leave Message	Time/Date		
B16		Recv. message	Flash	Recv. message		
B17		Call Timer				
B18		Ring Again				
B19		DND				
B20		Conference				
B21		Last Number redial				
B22		Voice call				
B23		Intercom				
B24		Intercom				

**KIM module**

Note: MICS systems will support up to five central answering positions. This includes T7324 telephones with CAP modules and T7316E telephones with EKIMs.

OKIM or EKIM		
KIM1	Prgming	
B01		
B02		
B03		
B04		
B05		
B06		
B07		
B08		

KIM1	Prgming	
B09		
B10		
B11		
B12		
B13		
B14		
B15		
B16		

KIM1	Prgming	
B17		
B18		
B19		
B20		
B21		
B22		
B23		
B24		

OKIM or EKIM		
KIM2	Prgming	
B01		
B02		
B03		
B04		
B05		
B06		
B07		
B08		

KIM2	Prgming	
B09		
B10		
B11		
B12		
B13		
B14		
B15		
B16		

KIM2	Prgming	
B17		
B18		
B19		
B20		
B21		
B22		
B23		
B24		

OKIM or EKIM		
KIM3	Prgming	
B01		
B02		
B03		
B04		
B05		
B06		
B07		
B08		

KIM3	Prgming	
B09		
B10		
B11		
B12		
B13		
B14		
B15		
B16		

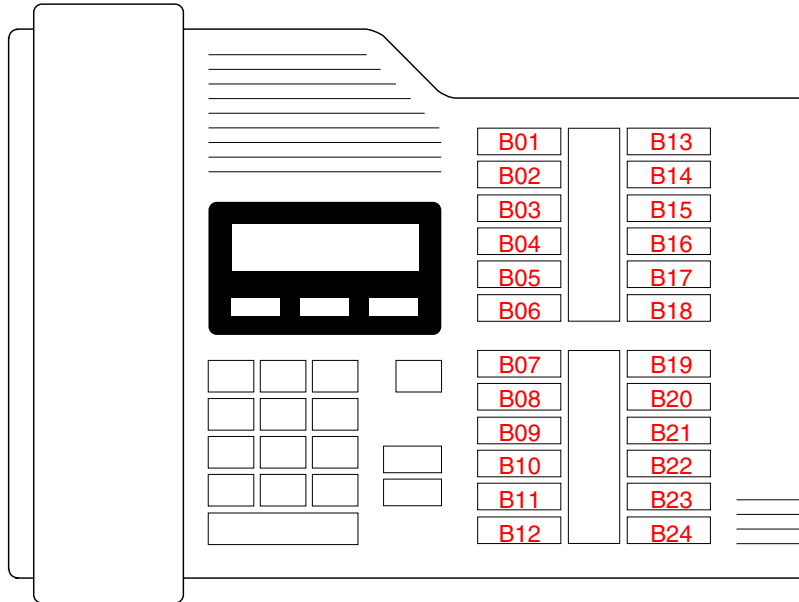
KIM3	Prgming	
B17		
B18		
B19		
B20		
B21		
B22		
B23		
B24		

OKIM or EKIM		
KIM4	Prgming	
B01		
B02		
B03		
B04		
B05		
B06		
B07		
B08		

KIM4	Prgming	
B09		
B10		
B11		
B12		
B13		
B14		
B15		
B16		

KIM4	Prgming	
B17		
B18		
B19		
B20		
B21		
B22		
B23		
B24		

### Model M7324 Button Programming and CAP Assignments



M7324	Prgming	Square	Centrex	Hybrid	PBX	DID
B01		Line 1	Line <XX>	Line 1		Line <XX>
B02		Line2		Line Pool		Transfer
B03						
B04						
B05						
B06						
B07						
B08						
B09						
B10						
B11						
B12						
B13		Call Fwd				
B14		Speed Dial				
B15		Last No.				
B16		Saved No.	Link	Saved No.	Saved No.	Saved No.
B17		Conf/Trans				
B18		Transfer				
B19		DND				
B20		Grp Pickup				
B21		Voice Call				
B22		Page Gnrl				
B23		Intercom				
B24		Intercom				

CAP	Prgming	Default
B01		No default
B02		No default
B03		No default
B04		No default
B05		No default
B06		No default
B07		No default
B08		No default
B09		No default
B10		No default
B11		No default
B12		No default
B13		No default
B14		No default
B15		No default
B16		No default
B17		No default
B18		No default
B19		No default
B20		No default
B21		No default
B22		No default
B23		No default
B24		No default

CAP	Prgming	Default
B25		No default
B26		No default
B27		No default
B28		No default
B29		No default
B30		No default
B31		No default
B32		No default
B33		No default
B34		No default
B35		No default
B36		No default
B37		No default
B38		No default
B39		No default
B040		No default
B041		No default
B042		No default
B043		No default
B044		No default
B045		No default
B046		No default
B047		No default
B048		No default











### Set restrns

(Terminals&Sets; Restrictions; Set restrns)

Sets: (max. 7 digits)								
names (max. 7 char.)								
Filters								
Normal	02	02, _____	02, _____	02, _____	02, _____	02, _____	02, _____	02, _____
Night	11	11, _____	11, _____	11, _____	11, _____	11, _____	11, _____	11, _____
Evening	12	12, _____	12, _____	12, _____	12, _____	12, _____	12, _____	12, _____
Lunch	13	13, _____	13, _____	13, _____	13, _____	13, _____	13, _____	13, _____
Sched 4	00	00, _____	00, _____	00, _____	00, _____	00, _____	00, _____	00, _____
Sched 5	00	00, _____	00, _____	00, _____	00, _____	00, _____	00, _____	00, _____
Sched 6	00	00, _____	00, _____	00, _____	00, _____	00, _____	00, _____	00, _____
Set lock	None Partial Full	None Partial Full	None Partial Full	None Partial Full	None Partial Full	None Partial Full	None Partial Full	None Partial Full
Allow last no	Y N	Y N	Y N	Y N	Y N	Y N	Y N	Y N
Allow saved no	Y N	Y N	Y N	Y N	Y N	Y N	Y N	Y N
Allow link	Y N	Y N	Y N	Y N	Y N	Y N	Y N	Y N

### Line/set restrns

(Terminals&Sets; Restrictions; Line/set restrns)

Normal	<u>None</u>	_____	_____	_____	_____	_____	_____	_____
Night	<u>None</u>	_____	_____	_____	_____	_____	_____	_____
Evening	<u>None</u>	_____	_____	_____	_____	_____	_____	_____
Lunch	<u>None</u>	_____	_____	_____	_____	_____	_____	_____
Sched 4	<u>None</u>	_____	_____	_____	_____	_____	_____	_____
Sched 5	<u>None</u>	_____	_____	_____	_____	_____	_____	_____
Sched 6	<u>None</u>	_____	_____	_____	_____	_____	_____	_____

**Telco features** (Terminals&Sets;Telco features)

**Feature assignmnt**

(Terminals&Sets;Telco features; Feature assignmnt)

Sets: (max. 7 digits)							
names: (max. 7 char.)							
Caller ID set	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>
Extl VMsg set	Line#: Y <u>N</u>	Line#: Y <u>N</u>	Line#: Y <u>N</u>	Line#: Y <u>N</u>	Line#: Y <u>N</u>	Line#: Y <u>N</u>	Line#: Y <u>N</u>

**1stDisplay**

(Terminals&Sets;Telco features;1st Display)

	<b>Name</b> Numbr Line	<b>Name</b> Numbr Line	<b>Name</b> Numbr Line	<b>Name</b> Numbr Line	<b>Name</b> Numbr Line	<b>Name</b> Numbr Line	<b>Name</b> Numbr Line
--	------------------------------	------------------------------	------------------------------	------------------------------	------------------------------	------------------------------	------------------------------

**Called ID**

(Terminals&Sets;Telco features;Called ID)

	<b>YN</b>	<b>YN</b>	<b>YN</b>	<b>YN</b>	<b>YN</b>	<b>YN</b>	<b>YN</b>
--	-----------	-----------	-----------	-----------	-----------	-----------	-----------

**Log space**

(Terminals&Sets;Telco features; Log space)

Log space (Log:0 Pool: 600)	Log: Pool:	Log: Pool:	Log: Pool:	Log: Pool:	Log: Pool:	Log: Pool:	Log: Pool:
--------------------------------	---------------	---------------	---------------	---------------	---------------	---------------	---------------

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# Lines

## Trunk/Line Data

(Lines; Trunk/Line Data)

Trunk type (Profile 1 only)	<b>Loop</b> E&M Ground DID BRI-ST BRI-U2 BRI-U4 PRI Fixed	<b>Loop</b> E&M Ground DID BRI-ST BRI-U2 BRI-U4 PRI Fixed	<b>Loop</b> E&M Ground DID BRI-ST BRI-U2 BRI-U4 PRI Fixed	<b>Loop</b> E&M Ground DID BRI-ST BRI-U2 BRI-U4 PRI Fixed
Trunk type (Profile 2)	<b>Loop</b> E&M Ground EURO SL1 BRI-2 BRI-ST	<b>Loop</b> E&M Ground EURO SL1 BRI-2 BRI-ST	<b>Loop</b> E&M Ground EURO SL1 BRI-2 BRI-ST	<b>Loop</b> E&M Ground EURO SL1 BRI-2 BRI-ST
Trunk type (Profile 3)	<b>Loop</b> E&M Ground DID BRI-2 BRI-ST	<b>Loop</b> E&M Ground DID BRI-2 BRI-ST	<b>Loop</b> E&M Ground DID BRI-2 BRI-ST	<b>Loop</b> E&M Ground DID BRI-2 BRI-ST
Trunk type (Profile 4 only)	<b>Loop</b> E&M Ground DID BRI-ST PRI BRI-U2 BRI-U4	<b>Loop</b> E&M Ground DID BRI-ST PRI BRI-U2 BRI-U4	<b>Loop</b> E&M Ground DID BRI-ST PRI BRI-U2 BRI-U4	<b>Loop</b> E&M Ground DID BRI-ST PRI BRI-U2 BRI-U4

## If Target Line

Line no. (3 digits)				
Telephone number				
Line type	<b>Public</b> Private to: _____	<b>Public</b> Private to: _____	<b>Public</b> Private to: _____	<b>Public</b> Private to: _____
Rec'd #	<b>None</b>	<b>None</b>	<b>None</b>	<b>None</b>
Prime Set	<b>221</b> None	<b>221</b> None	<b>221</b> None	<b>221</b> None
Aux. ringer	Y <b>N</b>	Y <b>N</b>	Y <b>N</b>	Y <b>N</b>
If busy	<b>PrimeSet</b> BusyTone	<b>PrimeSet</b> BusyTone	<b>PrimeSet</b> BusyTone	<b>PrimeSet</b> BusyTone
Distinctive ring	<b>None</b> , 2, 3, 4	<b>None</b> , 2, 3, 4	<b>None</b> , 2, 3, 4	<b>None</b> , 2, 3, 4

## If T1 and Groundstart

Line no. (3 digits)				
Telephone number				
Trunk type	<b>Ground</b>	<b>Ground</b>	<b>Ground</b>	<b>Ground</b>
Line type	<b>Public</b> Private to: _____ Pool _____	<b>Public</b> Private to: _____ Pool _____	<b>Public</b> Private to: _____ Pool _____	<b>Public</b> Private to: _____ Pool _____
Dial mode	Pulse <b>Tone</b>	Pulse <b>Tone</b>	Pulse <b>Tone</b>	Pulse <b>Tone</b>
PrimeSet	<b>221</b> None	<b>221</b> None	<b>221</b> None	<b>221</b> None
Auto privacy	<b>Y</b> N	<b>Y</b> N	<b>Y</b> N	<b>Y</b> N
Ans mode	<b>Manual</b> Auto	<b>Manual</b> Auto	<b>Manual</b> Auto	<b>Manual</b> Auto
Ans with DISA (Only if Ans mode is Auto)	<b>Y</b> N	<b>Y</b> N	<b>Y</b> N	<b>Y</b> N
Aux. ringer	<b>Y</b> <b>N</b>	<b>Y</b> <b>N</b>	<b>Y</b> <b>N</b>	<b>Y</b> <b>N</b>
Distinctive ring	<b>None</b> 2 34	<b>None</b> 2 34	<b>None</b> 2 34	<b>None</b> 2 34

## If T1 and Loopstart

(Digital and Analog)

Line no. (3 digits)				
Telephone number				
Trunk type	<b>Loop</b>	<b>Loop</b>	<b>Loop</b>	<b>Loop</b>
Line type	<b>Public</b> Private to: _____ Pool _____	<b>Public</b> Private to: _____ Pool _____	<b>Public</b> Private to: _____ Pool _____	<b>Public</b> Private to: _____ Pool _____
Dial mode	Pulse <b>Tone</b>	Pulse <b>Tone</b>	Pulse <b>Tone</b>	Pulse <b>Tone</b>
PrimeSet	<b>221</b> None	<b>221</b> None	<b>221</b> None	<b>221</b> None
Auto privacy	<b>Y</b> N	<b>Y</b> N	<b>Y</b> N	<b>Y</b> N
Trunk mode (Trunk mode is Super if digital loopstart)	<b>Unspr</b> Super	<b>Unspr</b> Super	<b>Unspr</b> Super	<b>Unspr</b> Super
Ans mode (Only shown if Trunk mode is Super)	<b>Manual</b> Auto	<b>Manual</b> Auto	<b>Manual</b> Auto	<b>Manual</b> Auto
Ans with DISA (Only if Ans mode is Auto)	<b>Y</b> N	<b>Y</b> N	<b>Y</b> N	<b>Y</b> N
Link at CO (Only shown for analog loopstart)	<b>Y</b> <b>N</b>	<b>Y</b> <b>N</b>	<b>Y</b> <b>N</b>	<b>Y</b> <b>N</b>
Aux. ringer	<b>Y</b> <b>N</b>	<b>Y</b> <b>N</b>	<b>Y</b> <b>N</b>	<b>Y</b> <b>N</b>
Full AutoHold	<b>Y</b> <b>N</b>	<b>Y</b> <b>N</b>	<b>Y</b> <b>N</b>	<b>Y</b> <b>N</b>
LossPkg (Only shown for analog loopstart)	ShortCO <b>MediumCO</b> LongCO ShortPBX LongPBX	ShortCO <b>MediumCO</b> LongCO ShortPBX LongPBX	ShortCO <b>MediumCO</b> LongCO ShortPBX LongPBX	ShortCO <b>MediumCO</b> LongCO ShortPBX LongPBX
Distinctive ring	<b>None</b> 2 34	<b>None</b> 2 34	<b>None</b> 2 34	<b>None</b> 2 34

**If T1 and E&M**

Line no. (3 digits)				
Telephone number				
Trunk type	<b>E&amp;M</b>	<b>E&amp;M</b>	<b>E&amp;M</b>	<b>E&amp;M</b>
Line type	<b>Public</b> Private to: _____ Pool _____	<b>Public</b> Private to: _____ Pool _____	<b>Public</b> Private to: _____ Pool _____	<b>Public</b> Private to: _____ Pool _____
Dial mode	Pulse <b>Tone</b>	Pulse <b>Tone</b>	Pulse <b>Tone</b>	Pulse <b>Tone</b>
PrimeSet	<b>221</b> None	<b>221</b> None	<b>221</b> None	<b>221</b> None
Auto privacy	<b>Y</b> N	<b>Y</b> N	<b>Y</b> N	<b>Y</b> N
Ans mode	<b>Manual</b> Auto	<b>Manual</b> Auto	<b>Manual</b> Auto	<b>Manual</b> Auto
Ans with DISA (Only if Ans mode is Auto)	<b>Y</b> N	<b>Y</b> N	<b>Y</b> N	<b>Y</b> N
Aux. ringer	<b>Y</b> <b>N</b>	<b>Y</b> <b>N</b>	<b>Y</b> <b>N</b>	<b>Y</b> <b>N</b>
Signal	<b>Winkstart</b> Immediate DelayDial	<b>Winkstart</b> Immediate DelayDial	<b>Winkstart</b> Immediate DelayDial	<b>Winkstart</b> Immediate DelayDial
ANI number (Only if Signal is Wink- Start or Immediate)	<b>Y</b> <b>N</b>	<b>Y</b> <b>N</b>	<b>Y</b> <b>N</b>	<b>Y</b> <b>N</b>
DNIS number (Only if signal is Wink- Start or Immediate and Ans mode is Manual)	<b>Y</b> <b>N</b>	<b>Y</b> <b>N</b>	<b>Y</b> <b>N</b>	<b>Y</b> <b>N</b>
Gain (Only if analog E&M)	<b>Normal</b> High	<b>Normal</b> High	<b>Normal</b> High	<b>Normal</b> High
Distinctive ring	<b>None</b> 2 34	<b>None</b> 2 34	<b>None</b> 2 34	<b>None</b> 2 34



**If T1 and DID**

(Profiles 1, 3 and 4 only)

Line no. (3 digits)				
Telephone number				
Trunk type	<b>DID</b>	<b>DID</b>	<b>DID</b>	<b>DID</b>
Line type	<b>Public</b> Private to: _____ Pool _____	<b>Public</b> Private to: _____ Pool _____	<b>Public</b> Private to: _____ Pool _____	<b>Public</b> Private to: _____ Pool _____
Dial mode	Pulse <b><u>Tone</u></b>	Pulse <b><u>Tone</u></b>	Pulse <b><u>Tone</u></b>	Pulse <b><u>Tone</u></b>
PrimeSet	<b>221</b> None	<b>221</b> None	<b>221</b> None	<b>221</b> None
Ans mode (Only if analog DID)	<b>Manual</b> Auto	<b>Manual</b> Auto	<b>Manual</b> Auto	<b>Manual</b> Auto
Ans with DISA (Only if Ans mode is Auto)	<b><u>Y</u></b> <b><u>N</u></b>	<b><u>Y</u></b> <b><u>N</u></b>	<b><u>Y</u></b> <b><u>N</u></b>	<b><u>Y</u></b> <b><u>N</u></b>
Link at CO (Only if analog DID)	<b><u>Y</u></b> <b><u>N</u></b>	<b><u>Y</u></b> <b><u>N</u></b>	<b><u>Y</u></b> <b><u>N</u></b>	<b><u>Y</u></b> <b><u>N</u></b>
Aux. ringer	<b><u>Y</u></b> <b><u>N</u></b>	<b><u>Y</u></b> <b><u>N</u></b>	<b><u>Y</u></b> <b><u>N</u></b>	<b><u>Y</u></b> <b><u>N</u></b>
Signal	<b><u>Winkstart</u></b> Immediate DelayDial	<b><u>Winkstart</u></b> Immediate DelayDial	<b><u>Winkstart</u></b> Immediate DelayDial	<b><u>Winkstart</u></b> Immediate DelayDial
ANI number (Only if Signal is Wink- Start or Immediate)	<b><u>Y</u></b> <b><u>N</u></b>	<b><u>Y</u></b> <b><u>N</u></b>	<b><u>Y</u></b> <b><u>N</u></b>	<b><u>Y</u></b> <b><u>N</u></b>
DNIS number (Only if signal is Wink- Start or Immediate and Ans mode is Manual)	<b><u>Y</u></b> <b><u>N</u></b>	<b><u>Y</u></b> <b><u>N</u></b>	<b><u>Y</u></b> <b><u>N</u></b>	<b><u>Y</u></b> <b><u>N</u></b>
Gain (Only if analog DID)	<b><u>Normal</u></b> High	<b><u>Normal</u></b> High	<b><u>Normal</u></b> High	<b><u>Normal</u></b> High
Distinctive ring	<b><u>None</u></b> 2 34	<b><u>None</u></b> 2 34	<b><u>None</u></b> 2 34	<b><u>None</u></b> 2 34

**If BRI-2 or BRI-ST (ISDN)**

(BRI-2 for Profiles 2 and 3 only)

Line no. (3 digits)								
Telephone number (supplied by the CO)								
Trunk type	BRI-2	BRI-ST	BRI-2	BRI-ST	BRI-2	BRI-ST	BRI-2	BRI-ST
Line type	<b>Public</b> Private to: _____ Pool _____		<b>Public</b> Private to: _____ Pool _____		<b>Public</b> Private to: _____ Pool _____		<b>Public</b> Private to: _____ Pool _____	
PrimeSet	<b>221</b>	None	<b>221</b>	None	<b>221</b>	None	<b>221</b>	None
Auto privacy	<b>Y</b>	N	<b>Y</b>	N	<b>Y</b>	N	<b>Y</b>	N
Ans mode (Trunk mode is always super)	<b>Manual</b>	Auto	<b>Manual</b>	Auto	<b>Manual</b>	Auto	<b>Manual</b>	Auto
Ans with DISA (If Ans mode is Auto)	<b>Y</b>	N	<b>Y</b>	N	<b>Y</b>	N	<b>Y</b>	N
Aux. ringer	<b>Y</b>	<b>N</b>	<b>Y</b>	<b>N</b>	<b>Y</b>	<b>N</b>	<b>Y</b>	<b>N</b>
Full AutoHold	Y	<b>N</b>	Y	<b>N</b>	Y	<b>N</b>	Y	<b>N</b>
Distinctive ring	<b>None</b>	2 34	<b>None</b>	2 34	<b>None</b>	2 34	<b>None</b>	2 34

**If BRI-U2 or BRI-U4 (ISDN)**

(Profiles 1 and 4 only)

Line no. (3 digits)								
Telephone number (supplied by the CO)								
Trunk type	BRI-U2	BRI-U4	BRI-U2	BRI-U4	BRI-U2	BRI-U4	BRI-U2	BRI-U4
Line type	<b>Public</b> Private to: _____ Pool _____		<b>Public</b> Private to: _____ Pool _____		<b>Public</b> Private to: _____ Pool _____		<b>Public</b> Private to: _____ Pool _____	
PrimeSet	<b>221</b>	None	<b>221</b>	None	<b>221</b>	None	<b>221</b>	None
Auto privacy	<b>Y</b>	N	<b>Y</b>	N	<b>Y</b>	N	<b>Y</b>	N
Ans mode (Trunk mode is always super)	<b>Manual</b>	Auto	<b>Manual</b>	Auto	<b>Manual</b>	Auto	<b>Manual</b>	Auto
Ans with DISA (If Ans mode is Auto)	<b>Y</b>	N	<b>Y</b>	N	<b>Y</b>	N	<b>Y</b>	N
Aux. ringer	<b>Y</b>	<b>N</b>	<b>Y</b>	<b>N</b>	<b>Y</b>	<b>N</b>	<b>Y</b>	<b>N</b>
Full AutoHold	Y	<b>N</b>	Y	<b>N</b>	Y	<b>N</b>	Y	<b>N</b>
Distinctive ring	<b>None</b>	2 34	<b>None</b>	2 34	<b>None</b>	2 34	<b>None</b>	2 34

**If PRI (ISDN)**

(Profiles 1 and 4 only)

Line no. (3 digits)				
Telephone number (supplied by the CO)				
Trunk type	PRI	PRI	PRI	PRI
Line type	<u>PRI-A</u> PRI-B PRI-C PRI-D	<u>PRI-A</u> PRI-B PRI-C PRI-D	<u>PRI-A</u> PRI-B PRI-C PRI-D	<u>PRI-A</u> PRI-B PRI-C PRI-D
PrimeSet	<b>221</b> None	<b>221</b> None	<b>221</b> None	<b>221</b> None
Distinctive ring	<b>None</b> 2 3 4	<b>None</b> 2 3 4	<b>None</b> 2 3 4	<b>None</b> 2 3 4

**)If ETSI**

(Profiles 2 only)

Line no. (3 digits)				
Telephone number (supplied by the CO)				
Trunk type	PRI	PRI	PRI	PRI
Line type	<u>PRI-A</u> PRI-B	<u>PRI-A</u> PRI-B	<u>PRI-A</u> PRI-B	<u>PRI-A</u> PRI-B
Distinctive ring	<b>None</b> 2 3 4	<b>None</b> 2 3 4	<b>None</b> 2 3 4	<b>None</b> 2 3 4

**If T1 and Fixed**

(Profile 1 only)

Line no. (3 digits)	Line ____	Line ____	Line ____	Line ____
	Line ____	Line ____	Line ____	Line ____
	Line ____	Line ____	Line ____	Line ____
	Line ____	Line ____	Line ____	Line ____
	Line ____	Line ____	Line ____	Line ____
	Line ____	Line ____	Line ____	Line ____

**Name**

(Lines;Name)

Name (max. 7 char)				
Line no (3 digits)				

## Restrictions

Not available for Target lines. Restriction filter tables are provided under Terminals&Sets.

### Line restrns

(Lines; Restrictions; Line restrns)

Name (max. 7 char.)				
Line no.(3 digits)				
Normal	03	03	03	03
Night	21	21	21	21
Evening	22	22	22	22
Lunch	23	23	23	23
Sched 4	00	00	00	00
Sched 5	00	00	00	00
Sched 6	00	00	00	00

### Remote restrns

(Lines; Restrictions; Remote restrns)

Name (max. 7 char.)				
Line no.(3 digits)				
Normal	04	04	04	04
Night	31	31	31	31
Evening	32	32	32	32
Lunch	33	33	33	33
Sched 4	00	00	00	00
Sched 5	00	00	00	00
Sched 6	00	00	00	00

### Telco features

(Lines; Telco features) Not available for Target lines.

VMsg center	1 2 3 4 5 N	1 2 3 4 5 N	1 2 3 4 5 N	1 2 3 4 5 N
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Photocopy pages before using.

# Services

## Ringling service

(Services; Ringling Service/Ringing groups) (Maximum of 30 sets for each Ringling group)

A=Assigned; U=Unassigned

Ring grp:			Ring grp:			Ring grp:		
221	A/U	A/U	221	A/U	A/U	221	A/U	A/U
	A/U	A/U		A/U	A/U		A/U	A/U
	A/U	A/U		A/U	A/U		A/U	A/U
	A/U	A/U		A/U	A/U		A/U	A/U
	A/U	A/U		A/U	A/U		A/U	A/U
	A/U	A/U		A/U	A/U		A/U	A/U
	A/U	A/U		A/U	A/U		A/U	A/U
	A/U	A/U		A/U	A/U		A/U	A/U
	A/U	A/U		A/U	A/U		A/U	A/U
	A/U	A/U		A/U	A/U		A/U	A/U

Ring grp:			Ring grp:			Ring grp:		
221	A/U	A/U	221	A/U	A/U	221	A/U	A/U
	A/U	A/U		A/U	A/U		A/U	A/U
	A/U	A/U		A/U	A/U		A/U	A/U
	A/U	A/U		A/U	A/U		A/U	A/U
	A/U	A/U		A/U	A/U		A/U	A/U
	A/U	A/U		A/U	A/U		A/U	A/U
	A/U	A/U		A/U	A/U		A/U	A/U
	A/U	A/U		A/U	A/U		A/U	A/U
	A/U	A/U		A/U	A/U		A/U	A/U
	A/U	A/U		A/U	A/U		A/U	A/U

Ring grp:			Ring grp:			Ring grp:		
221	A/U	A/U	221	A/U	A/U	221	A/U	A/U
	A/U	A/U		A/U	A/U		A/U	A/U
	A/U	A/U		A/U	A/U		A/U	A/U
	A/U	A/U		A/U	A/U		A/U	A/U
	A/U	A/U		A/U	A/U		A/U	A/U
	A/U	A/U		A/U	A/U		A/U	A/U
	A/U	A/U		A/U	A/U		A/U	A/U
	A/U	A/U		A/U	A/U		A/U	A/U
	A/U	A/U		A/U	A/U		A/U	A/U
	A/U	A/U		A/U	A/U		A/U	A/U

## Ringin Service

(Services; Ringin Service) (continued)

Schedule	1	2	3	4	5	6	Schedule	1	2	3	4	5	6	Schedule	1	2	3	4	5	6		
Ctrl set:	<b>221</b>							Ctrl set:	<b>221</b>							Ctrl set:	<b>221</b>					
Service	<b>Off</b>		Auto					Service	<b>Off</b>		Auto					Service	<b>Off</b>		Auto			
	Manual								Manual								Manual					
Trunk answer	<b>Y</b>		N					Trunk answer	<b>Y</b>		N					Trunk answer	<b>Y</b>		N			
ExtraDial	<b>221</b>							ExtraDial	<b>221</b>							ExtraDial	<b>221</b>					
Line settings (Line number)	Ring grp		Aux. ringer					Line settings (Line number)	Ring grp		Aux. ringer					Line settings (Line number)	Ring grp		Aux. ringer			
			<b>Y</b> N								<b>Y</b> N								<b>Y</b> N			
			<b>Y</b> N								<b>Y</b> N								<b>Y</b> N			
			<b>Y</b> N								<b>Y</b> N								<b>Y</b> N			
			<b>Y</b> N								<b>Y</b> N								<b>Y</b> N			
			<b>Y</b> N								<b>Y</b> N								<b>Y</b> N			
			<b>Y</b> N								<b>Y</b> N								<b>Y</b> N			
			<b>Y</b> N								<b>Y</b> N								<b>Y</b> N			
			<b>Y</b> N								<b>Y</b> N								<b>Y</b> N			

Schedule	1	2	3	4	5	6	Schedule	1	2	3	4	5	6	Schedule	1	2	3	4	5	6		
Ctrl set:	<b>221</b>							Ctrl set:	<b>221</b>							Ctrl set:	<b>221</b>					
Service	<b>Off</b>		Auto					Service	<b>Off</b>		Auto					Service	<b>Off</b>		Auto			
	Manual								Manual								Manual					
Trunk answer	<b>Y</b>		N					Trunk answer	<b>Y</b>		N					Trunk answer	<b>Y</b>		N			
ExtraDial	<b>221</b>							ExtraDial	<b>221</b>							ExtraDial	<b>221</b>					
Line settings (Line number)	Ring grp		Aux. ringer					Line settings (Line number)	Ring grp		Aux. ringer					Line settings (Line number)	Ring grp		Aux. ringer			
			<b>Y</b> N								<b>Y</b> N								<b>Y</b> N			
			<b>Y</b> N								<b>Y</b> N								<b>Y</b> N			
			<b>Y</b> N								<b>Y</b> N								<b>Y</b> N			
			<b>Y</b> N								<b>Y</b> N								<b>Y</b> N			
			<b>Y</b> N								<b>Y</b> N								<b>Y</b> N			
			<b>Y</b> N								<b>Y</b> N								<b>Y</b> N			
			<b>Y</b> N								<b>Y</b> N								<b>Y</b> N			
			<b>Y</b> N								<b>Y</b> N								<b>Y</b> N			

## Restrn service

(Services: Restrn service)

Schedule	Schedule 1	Schedule 2	Schedule 3	Schedule 4	Schedule 5	Schedule 6
Restr'n service	<b>Off</b> Auto	<b>Off</b> Auto	<b>Off</b> Auto	<b>Off</b> Auto	<b>Off</b> Auto	<b>Off</b> Auto
	Manual	Manual	Manual	Manual	Manual	Manual











## Activating routing schedules

(Services: Routing Service)

Schedule	Schedule 1		Schedule 2		Schedule 3		Schedule 4		Schedule 5		Schedule 6	
Mode	<b>Off</b> Manual	Auto	<b>Off</b> Manual	Auto	<b>Off</b> Manual	Auto	<b>Off</b> Manual	Auto	<b>Off</b> Manual	Auto	<b>Off</b> Manual	Auto
Overflow	N	Y	N	Y	N	Y	N	Y	N	Y	N	Y

## Common settings

(Services; Common settings)

### Control sets

(Services; Common settings; Control sets)

For line	Line: Control set:	Line: Control set:	Line: Control set:	Line: Control set:	Line: Control set:	Line: Control set:
	Line: Control set:	Line: Control set:	Line: Control set:	Line: Control set:	Line: Control set:	Line: Control set:
For sets  (for more than 24 sets, enter a range of sets or photocopy this table)	Line: Control set:	Line: Control set:	Line: Control set:	Line: Control set:	Line: Control set:	Line: Control set:
	Line: Control set:	Line: Control set:	Line: Control set:	Line: Control set:	Line: Control set:	Line: Control set:
	Line: Control set:	Line: Control set:	Line: Control set:	Line: Control set:	Line: Control set:	Line: Control set:
	Line: Control set:	Line: Control set:	Line: Control set:	Line: Control set:	Line: Control set:	Line: Control set:

## Schedule names

(Services; Common settings; Schedule names)

Schedule	Night		Evening		Lunch		Sched 4		Sched 5		Sched 6	
	Start	Stop	Start	Stop	Start	Stop	Start	Stop	Start	Stop	Start	Stop
Schedule times:												
Monday	23:00	07:00	17:00	23:00	12:00	13:00	00:00	00:00	00:00	00:00	00:00	00:00
Tuesday	23:00	07:00	17:00	23:00	12:00	13:00	00:00	00:00	00:00	00:00	00:00	00:00
Wednesday	23:00	07:00	17:00	23:00	12:00	13:00	00:00	00:00	00:00	00:00	00:00	00:00
Thursday	23:00	07:00	17:00	23:00	12:00	13:00	00:00	00:00	00:00	00:00	00:00	00:00
Friday	23:00	07:00	17:00	23:00	12:00	13:00	00:00	00:00	00:00	00:00	00:00	00:00
Saturday	23:00	07:00	17:00	23:00	12:00	13:00	00:00	00:00	00:00	00:00	00:00	00:00
Sunday	23:00	07:00	17:00	23:00	12:00	13:00	00:00	00:00	00:00	00:00	00:00	00:00







## Time&Date

Hour: 01	Minutes: 00	Year: 02	Month: 01	Day: 01
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## System prgrming

### Hunt groups

(System prgrming: Hunt groups)

Group	Name: (7 characters)		Number:						
Members	DN _____ Appr only <b>Appr&amp;Ring</b> Ring only	DN _____ Appr only <b>Appr&amp;Ring</b> Ring only	DN _____ Appr only <b>Appr&amp;Ring</b> Ring only	DN _____ Appr only <b>Appr&amp;Ring</b> Ring only	DN _____ Appr only <b>Appr&amp;Ring</b> Ring only				
	DN _____ Appr only <b>Appr&amp;Ring</b> Ring only	DN _____ Appr only <b>Appr&amp;Ring</b> Ring only	DN _____ Appr only <b>Appr&amp;Ring</b> Ring only	DN _____ Appr only <b>Appr&amp;Ring</b> Ring only	DN _____ Appr only <b>Appr&amp;Ring</b> Ring only				
	DN _____ Appr only <b>Appr&amp;Ring</b> Ring only	DN _____ Appr only <b>Appr&amp;Ring</b> Ring only	DN _____ Appr only <b>Appr&amp;Ring</b> Ring only	DN _____ Appr only <b>Appr&amp;Ring</b> Ring only	DN _____ Appr only <b>Appr&amp;Ring</b> Ring only				
	DN _____ Appr only <b>Appr&amp;Ring</b> Ring only	DN _____ Appr only <b>Appr&amp;Ring</b> Ring only	DN _____ Appr only <b>Appr&amp;Ring</b> Ring only	DN _____ Appr only <b>Appr&amp;Ring</b> Ring only	DN _____ Appr only <b>Appr&amp;Ring</b> Ring only				
	DN _____ Appr only <b>Appr&amp;Ring</b> Ring only	DN _____ Appr only <b>Appr&amp;Ring</b> Ring only	DN _____ Appr only <b>Appr&amp;Ring</b> Ring only	DN _____ Appr only <b>Appr&amp;Ring</b> Ring only	DN _____ Appr only <b>Appr&amp;Ring</b> Ring only				
Assigned lines									
Mode	<b>Broadcast</b>	Sequential	Rotary						
Hunt delay	1	2	3	<b>4</b>	5	6	7	8	9v10
If busy	<b>BusyTone</b>	Overflow	Queue						
Q timeout	15	30	45	<b>60</b>	120	180			
Overflow DN									
Distinctive ring	<b>None</b>	2	3	4					

### Change DNs

(System prgrming: Change DNs)  
(Record Change DNs on page 18.)

## Featr settings

(System prgrming; Featr settings)

Background music	Y	<b>N</b>								
On hold	<b>Tones</b> Music Silence									
Receiver volume	<b>Use sys volume</b> Use set volume									
Camp timeout	30	<b>45</b>	60	90	120	150	180	300	600	
Park timeout	30	<b>45</b>	60	90	120	150	180	300	600	
Park mode	<b>Lowest</b>		Cycle							
Trnsfr callbk	<b>3</b>	<b>4</b>	5	6	12					
DRT to prime	<b>Y</b>	N								
DRT delay	1			23	<b>4</b>	6	10			
Held reminder	Y	<b>N</b>								
Remind delay	30	<b>60</b>	90	120	150	180				
Directed pickup	<b>Y</b>	N								
Page tone	<b>Y</b>	N								
Page Timeout	15	30	60	120	180	300	2700			
Daylight time	<b>Y</b>	N								
AutoTime&Date	<b>Y</b>	N								
SWCA Cntrl										
Auto Associate	Y	<b>N</b>								
Invoke by Hold	Y	<b>N</b>								
Call log space										
Space/log										
Host delay	200	400	600	800	<b>1000</b>	1200	1400	1600	1800	2000
Link time	100	200	300	400	500	<b>600</b>	700	800	900	1000
Alarm set	<b>221</b>									
Set relocation	Y	<b>N</b>								
Msg Reply enh	Y	<b>N</b>								
Ans. key	<b>Basic</b>		Enhanced		Extended					
Silent Monitor	<b>N</b>	Y								
Clid match	3	4	5	6	7	<b>8</b>	None			

## Direct-dial

(System prgrming; Direct-dial)

	D-Dial1	D-Dial2	D-Dial3	D-Dial4	D-Dial5
Direct-dial	<b>Intrnl</b> Extrnl <b>None</b>	<b>Intrnl</b> Extrnl <b>None</b>	<b>Intrnl</b> Extrnl <b>None</b>	<b>Intrnl</b> Extrnl <b>None</b>	<b>Intrnl</b> Extrnl <b>None</b>
Intrnl # (if D-Dial=Intrnl)	221 #:	221 #:	221 #:	221 #:	221 #:
Extrnl # (if D-Dial=Extrnl)	<b>None</b> #:	<b>None</b> #:	<b>None</b> #:	<b>None</b> #:	<b>None</b> #:



(if D-Dial=Extrnl)	<b>Use Prime line</b> Use line Pool code Use routing table	<b>Use Prime line</b> Use line Pool code Use routing table	<b>Use Prime line</b> Use line Pool code Use routing table	<b>Use Prime line</b> Use line Pool code Use routing table	<b>Use Prime line</b> Use line Pool code Use routing table
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### CAP/KIM assgn

(System prgrming; CAP/KIM assgn) Allows lines to be assigned to a CAP or KIM module.

CAP1/KIM1	<b>None</b> _____
CAP2/KIM2	<b>None</b> _____
CAP3/KIM3	<b>None</b> _____
CAP4/KIM4	<b>None</b> _____
CAP5/KIM5	<b>None</b> _____

### Dialing plan

(System prgrming; Dialing plan)

Private network	Type	Private Network ID	Location code	Private DN length	
	None	N/A	N/A	3	
	UDP	1	None	3	
	CDP	1		3	
Public network	Pub DN length	Show Prefix: Prefix	DN length		
		Default	7		
Dial time out	4				

### Access codes

(System prgrming; Access codes)

Line pool codes	<b>A: 9</b> B: _____ C: _____ D: _____ E: _____ F: _____ G: _____ H: _____ I: _____ J: _____ K: _____ L: _____ M: _____ N: _____ O: _____
Park prefix	0 <b>1</b> 2 3 4 5 6 7 8 9 None
Extrnl code	0 1 2 3 4 5 6 7 8 9 <b>None</b>
Direct-dial	<b>0</b> 1 2 3 4 5 6 7 8 9 None
Auto DN	<b>None</b> Received #
DISA DN	<b>None</b> Received #
PrivAccCodes	0 1 2 3 4 5 6 7 8 9 <b>None</b>

Carrier Codes		
	Prefix:10 ID length: 3	
	Prefix: ID length	
	Prefix: ID length	
	Prefix: ID length	
	Prefix: ID length	
	Prefix: ID length	

# Remote access

(System prgrming; Remote access)

Remote access Pkg #	Line pool access (Note that Line Pool access PRI-C and PRI-D are applicable to Profiles 1 and 4 only.)	Remote page
00	Package 00 permits no access to line pools	<b>No</b>
01 (If PRI then PRI-A is default)	PRI-A PRI-B PRI-C PRI-D A B C D E F G H I J K L M N O	<b>N</b> Y
02 (If PRI then PRI-A is default)	PRI-A PRI-B PRI-C PRI-D A B C D E F G H I J K L M N O	<b>N</b> Y
03 (If PRI then PRI-A is default)	PRI-A PRI-B PRI-C PRI-D A B C D E F G H I J K L M N O	<b>N</b> Y
04 (If PRI then PRI-A is default)	PRI-A PRI-B PRI-C PRI-D A B C D E F G H I J K L M N O	<b>N</b> Y
05 (If PRI then PRI-A is default)	PRI-A PRI-B PRI-C PRI-D A B C D E F G H I J K L M N O	<b>N</b> Y
06 (If PRI then PRI-A is default)	PRI-A PRI-B PRI-C PRI-D A B C D E F G H I J K L M N O	<b>N</b> Y
07 (If PRI then PRI-A is default)	PRI-A PRI-B PRI-C PRI-D A B C D E F G H I J K L M N O	<b>N</b> Y
08 (If PRI then PRI-A is default)	PRI-A PRI-B PRI-C PRI-D A B C D E F G H I J K L M N O	<b>N</b> Y
09 (If PRI then PRI-A is default)	PRI-A PRI-B PRI-C PRI-D A B C D E F G H I J K L M N O	<b>N</b> Y
10 (If PRI then PRI-A is default)	PRI-A PRI-B PRI-C PRI-D A B C D E F G H I J K L M N O	<b>N</b> Y
11 (If PRI then PRI-A is default)	PRI-A PRI-B PRI-C PRI-D A B C D E F G H I J K L M N O	<b>N</b> Y
12 (If PRI then PRI-A is default)	PRI-A PRI-B PRI-C PRI-D A B C D E F G H I J K L M N O	<b>N</b> Y
13 (If PRI then PRI-A is default)	PRI-A PRI-B PRI-C PRI-D A B C D E F G H I J K L M N O	<b>N</b> Y
14 (If PRI then PRI-A is default)	PRI-A PRI-B PRI-C PRI-D A B C D E F G H I J K L M N O	<b>N</b> Y
15 (If PRI then PRI-A is default)	PRI-A PRI-B PRI-C PRI-D A B C D E F G H I J K L M N O	<b>N</b> Y

Rem line access (Default=00)	Line: ____ Rem pkg: __	Line: ____ Rem pkg: __	Line: ____ Rem pkg: __	Line: ____ Rem pkg: __
	Line: ____ Rem pkg: __	Line: ____ Rem pkg: __	Line: ____ Rem pkg: __	Line: ____ Rem pkg: __
	Line: ____ Rem pkg: __	Line: ____ Rem pkg: __	Line: ____ Rem pkg: __	Line: ____ Rem pkg: __
	Line: ____ Rem pkg: __	Line: ____ Rem pkg: __	Line: ____ Rem pkg: __	Line: ____ Rem pkg: __

**Rec'd # length**

(System prgrming; Rec'd # length)

Rec'd # length	<u>2</u>	3	4	5	6	7
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**DN length**

(System prgrming; DN length)

DN length	<u>2</u>	3	4	5	6	7
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**National length**

(Profile 2 and 3 only; System prgrming; Nat'nl length)

Nat'nl length	0	1	2	3	4	5	6	7	8	9	<u>10</u>
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**Make / Break**

(Profile 2 and 3 only; System prgrming; Mk / Br)

Mk / Br	<u>40 / 60</u>	30 / 70
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**Business name**

(System prgrming; BusName)

BusName:	_____
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**CbC limits**

(System prgrming; CbC limits) (Profiles 1 and 4 only)

PRI-A	Minimum incoming: _____	Maximum incoming: _____	Minimum outgoing: _____	Maximum outgoing: _____
PRI-B	Minimum incoming: _____	Maximum incoming: _____	Minimum outgoing: _____	Maximum outgoing: _____
PRI-C	Minimum incoming: _____	Maximum incoming: _____	Minimum outgoing: _____	Maximum outgoing: _____
PRI-D	Minimum incoming: _____	Maximum incoming: _____	Minimum outgoing: _____	Maximum outgoing: _____

**Release reasons**

(System prgrming; Release reasons)

Release reasons	_____
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Photocopy pages before using

## Hospitality

(System prgrming; Hospitality)

Room/desk info								
<b>Sets:</b> (max. 7 digits)								
<b>Room #:</b>								
<b>Adm pwd req'd</b>	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N
Call Restrns								
<b>Vacant:</b>	<b>Use flt:</b> ___							
<b>Basic:</b>	<b>Use flt:</b> ___							
<b>Mid:</b>	<b>Use flt:</b> ___							
<b>Full:</b>	<b>Use flt:</b> ___							
Service time	Hour:							
	Minutes:							
Alarm								
<b>Attn attempts:</b>	1	2	<u>3</u>	4	5			
<b>Retry interv:</b> (in minutes)	2	<u>4</u>	6	8				
<b>Attn duration:</b> (in seconds)	10	<u>15</u>	20	30	40	50		
<b>Time format</b>	<u>12hr</u>		24hr					
Expired Alarms								
<b>Notify set</b>	<u>Y</u>	N						
<b>Use Tone</b>	<u>Y</u>	N						

## SM sets

(Telco features; SM sets)

SM sets	1	2	3	4	<u>5</u>	6	7	8	9	10	11	12	13	14	15
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

## Network Services

### ETSI (Profile 2, only) (software key required)

(Network Services/ETSI)

Netwrk Redirect	Y	<u>N</u>
MCID	Y	<u>N</u>

### MCDN (Profile 1, 2, and 3, only) (software key required)

(Network Services/MCDN)

NetwkICCL	Y	<u>N</u>
TRO	Y	<u>N</u>
TAT	Y	<u>N</u>

## Telco features

### VMSg ctr tel#s

(Telco features; VMSg ctr tel#s)

VMSg center 1	VMSg center 2	VMSg center 3	VMSg center 4	VMSg center 5
<u>line</u> routing tbl	<u>line</u> routing tbl	<u>line</u> routing tbl	<u>line</u> routing tbl	<u>line</u> routing tbl
tele# _____	tele# _____	tele# _____	tele# _____	tele# _____

### ONN blocking

(Telco features; ONN blocking)

Analog VSC	
<b>Tone:</b>	<b>None</b> _____ F78, (0-9), *, #
<b>Pulse:</b>	<b>None</b> _____ (0-9)
BRI VSC	
<b>Code</b>	<b>None</b> _____ F78, (0-9), *, #

# Software keys

(Used to activate ISDN, PRI and MCDN SL-1 lines)

## SysID

SysID: <8 digits>	_____
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## Companion ID

Companion ID	_____
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## Password keys

(Software keys; Password keys)

Password Keys (8 digits)	Key 1 _____	Key 2 _____	Key 3 _____
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## Password keys for ISDN PRI

(Profiles 1 and 4 only)

Date	Key 1	Key 2	Key 3	Notes

## Password keys for fixed T1 lines

(Profile 1 only)

Date	Key 1	Key 2	Key 3	Notes

## Password keys for Advanced Private Network and Private Network Tandeming (MCDN)

(Profiles 1, 2 and 4 only)

Date	Key 1	Key 2	Key 3	Notes

# Hardware

## Cards on KSU

(Profiles 1 and 4 only)

Cd1-KSU	<b>Loop</b>	T1	PRI	BRI-ST	BRI-U2	BRI-U4
Cd2-KSU	<b>Loop</b>	T1	PRI	BRI-ST	BRI-U2	BRI-U4

(Profiles 2 and 3 only)

Cd1-KSU	<b>Loop</b>	T1	BRI-2	BRI-ST
Cd2-KSU	<b>Loop</b>	T1	BRI-2	BRI-ST

### If card is a Loop card

Card type	<b>Loop</b>				
Lines					
Discon timer	<b>60</b>	100	260	460	600

### If card is a T1 card

Card type	<b>T1</b>				
Lines					
Discon timer	<b>60</b>	100	260	460	600
Answer timer	<b>1</b>	2	3	4	5
CO fail	<b>TR62411</b>		T1A-547A		
I/F levels	<b>ISDN</b>		PSTN		
Framing	<b>SF</b>		ESF		
Internal CSU	<b>On</b>		Off		
CSU line bld (If CSU is on)	<b>0</b>		7.5		15
DSX1 bld (If CSU is off)	<b>000-100</b> 400-500		100-200 500-600		200-300 600-700 300-400
Line coding	<b>B8ZS</b>		AMI		
Clock Src (default for Cd1-KSU is Primary, Cd2-KSU is Secndry)	<b>Primary</b>		Secndry		TimeMst



**If card is a PRI card**

(Profiles 1 and 4 only)

Card type	PRI			
Lines				
Protocol <i>protcl</i> (Not shown if only one protocol available)	<b><u>NI-2</u></b>	DMS100	DMS250	4ESS SL-1 (does not show unless MCDN is active)
PrivNetID range: 1-127	<b><u>30</u></b>			
BchanSeq (Default is Descend unless SL-1 Master)	<b><u>Ascend</u></b> Descend			
CbC Routing				
FX (Only shown for: NI-2, DMS-100, and DMS-250)	<b><u>None</u></b>	All	Map table	
800 (Only shown for: NI-2, DMS-100, DMS-250, and 4ESS)	<b><u>None</u></b>	All	Map table	
1800 (Only shown for: 4ESS)	<b><u>None</u></b>	All	Map table	
900 (Only shown for: DMS-250, and 4ESS)	<b><u>None</u></b>	All	Map table	
SDS (Only shown for: 4ESS)	<b><u>None</u></b>	All	Map table	
Type (User prompt only shown when Procol is SL-1)	<b><u>Secondary</u></b>		Primary	User
CO fail	<b><u>TIA547A</u></b>		TR62411	
I/F levels	<b><u>ISDN</u></b>		PSTN	ISD/TT
Framing	<b><u>ESF</u></b>		SF	
Internal CSU	<b><u>On</u></b>		Off	
CSU line bld	<b><u>0</u></b>	7.5	15	
Line coding	<b><u>B8ZS</u></b>		AMI	
ClockSrc	<b><u>Primary</u></b>	Secndry	TimMstr	

**If card is an ETSI PRI card**

(Profile 2 only)

Card type	PRI
Lines	
Protocol	<b>EURO</b> SL1 (does not show unless MCDN is active)
PrivNetID range: 1-127	<b>1</b> (does not show unless MCDN is active)
BchanSeq (Default is Descend unless SL-1 Master)	<b>Ascend</b> Descend (does not show unless MCDN is active)
Type (Procol is SL-1)	<b>Slave</b> Primary User (does not show unless MCDN is active)
ClockSrc	<b>Primary</b> Secndry TimMstr
Max Transits	<b>31</b> (does not show unless MCDN is active)
Ovlp recving	<b>N</b> 2

**If card is a DID card**

(Profiles 1, 3, and 4 only)

Card type	DID
Lines	

**If card is an E&M card**

Card type	<b>E&amp;M</b>
Lines	
Answer timer	<b>1</b> 2 3 4 5

**If card is a BRI-U2, BRI-U4 or BRI-ST card**

(for Profiles 1 and 4 only)

Card type	BRI-_____
Loops	
Loop Type Type (If BRI-U2 or BRI-U4 default is NT)	<b>I</b> S LT NT
Protocol (Not shown if only one protocol available)	
Sampling (Shown for S loop type only)	<b>Adaptive</b> Fixed

**For S & LT only**

(for Profiles 1 and 4 only)

Assign DNs Show DN:___	<b>Assigned</b> _____Availabl *LP___*	LP___
Loop DN:___	<b>None</b> ISDN DN	

**For T & NT only**  
(for Profiles 1 and 4 only)

SPID__			
# of B-channels	<u>1</u>	<u>2</u>	
Network DNs DN1:			
Call type	<u>Voice</u>	Data	Both
DN2:			
Call type	<u>Voice</u>	Data	Both
DN3:			
Call type	<u>Voice</u>	Data	Both
DN4:			
Call type	<u>Voice</u>	Data	Both
DN5:			
Call type	<u>Voice</u>	Data	Both
DN6:			
Call type	<u>Voice</u>	Data	Both
DN7:			
Call type	<u>Voice</u>	Data	Both
DN8:			
Call type	<u>Voice</u>	Data	Both
D-packet service (BRI-U2 & BRI-U4)	<u>Y</u>	N	
LPnnn	<u>None</u>	S-Lp__	Lt-Lp__
TEIs (0-63)			
ClockSrc (On core only)	<u>Primary</u>	Secndry	TimMstr
ONN blk	<u>SuprsBit</u>	SrvCode	

**If card is a BRI-2 or BRI-ST card**  
(for Profiles 2 and 3 only)

Card type	BRI-_____
Loops	
Loop Type Type	<u>S</u> T

For S

(for Profiles 2 and 3 only)

Sampling	<u>Adaptive</u> Fixed
Assign DNs Show DN:___	<u>Assigned</u> _Availabl *LP___* LP___
Loop DN:___	<u>None</u> ISDN DN

**For T**

(for Profiles 2 and 3 only)

ClockSrc (On core only)	<u>Primary</u> Secndry TimMstr
Ovlap recving	<u>Y</u> N
Public digit length	<u>1</u> 2 3 4 5 6 789101112131415

**Modules**

(for Profile 1 only)

Mod 03	<u>StnMod</u> ASM DataMod TrunkMod
Mod 04	<u>StnMod</u> ASM DataMod TrunkMod
Mod 05	<u>StnMod</u> ASM DataMod TrunkMod
Mod 06	<u>StnMod</u> ASM DataMod TrunkMod
Mod 07	<u>StnMod</u> ASM DataMod TrunkMod
Mod 08	<u>StnMod</u> ASM DataMod TrunkMod

**MICS-XC (additional modules)**

Mod 09	<u>StnMod</u> <u>ASM</u> <u>DataMod</u>
Mod 10	<u>StnMod</u> <u>ASM</u> <u>DataMod</u>
Mod 11	<u>StnMod</u> <u>ASM</u> <u>DataMod</u>
Mod 12	<u>StnMod</u> <u>ASM</u> <u>DataMod</u>
Mod 13 (For use by Companion or the DM only)	<u>StnMod</u> <u>DataMod</u>
Mod 14 (For use by Companion or the DM only)	<u>StnMod</u> <u>DataMod</u>

**Modules**

(for Profiles 2, 3 and 4 only)

Mod 03	<u>StnMod</u> ASM TrunkMod
Mod 04	<u>StnMod</u> ASM TrunkMod
Mod 05	<u>StnMod</u> ASM TrunkMod
Mod 06	<u>StnMod</u> ASM TrunkMod
Mod 07	<u>StnMod</u> ASM TrunkMod
Mod 08	<u>StnMod</u> ASM TrunkMod

**MICS-XC (additional modules)**

Mod 09	<b><u>StnMod</u></b> <b><u>ASM</u></b>
Mod 10	<b><u>StnMod</u></b> <b><u>ASM</u></b>
Mod 11	<b><u>StnMod</u></b> <b><u>ASM</u></b>
Mod 12	<b><u>StnMod</u></b> <b><u>ASM</u></b>
Mod 13 (For use by Companion)	<b><u>StnMod</u></b>
Mod 14 (For use by Companion)	<b><u>StnMod</u></b>

## TrunkMod

(Profiles 1 and 4 only) (BRI cards and off-core DTI cartridges are available on Modules 03 and 04 on midi systems, and on Modules 07 and 08 for maxi systems.)

(MICS-XC systems: TrunkMod cannot be configured for Modules 09-14.)

Cd1-Mod3	<b>Loop</b>	E&M	DID	BRI-ST	BRI-U2	BRI-U4	PRI
Cd2-Mod3	<b>Loop</b>	E&M	DID	BRI-ST	BRI-U2	BRI-U4	PRI
Cd3-Mod3	<b>Loop</b>	E&M	DID	BRI-ST	BRI-U2	BRI-U4	PRI
Cd1-Mod4	<b>Loop</b>	E&M	DID	BRI-ST	BRI-U2	BRI-U4	PRI
Cd2-Mod4	<b>Loop</b>	E&M	DID	BRI-ST	BRI-U2	BRI-U4	PRI
Cd3-Mod4	<b>Loop</b>	E&M	DID	BRI-ST	BRI-U2	BRI-U4	PRI
Cd1-Mod5	<b>Loop</b>	E&M	DID				
Cd2-Mod5	<b>Loop</b>	E&M	DID				
Cd3-Mod5	<b>Loop</b>	E&M	DID				
Cd1-Mod6	<b>Loop</b>	E&M	DID				
Cd2-Mod6	<b>Loop</b>	E&M	DID				
Cd3-Mod6	<b>Loop</b>	E&M	DID				
Cd1-Mod7	<b>Loop</b>	E&M	DID	BRI-ST	BRI-U2	BRI-U4	PRI
Cd2-Mod7	<b>Loop</b>	E&M	DID	BRI-ST	BRI-U2	BRI-U4	PRI
Cd3-Mod7	<b>Loop</b>	E&M	DID	BRI-ST	BRI-U2	BRI-U4	PRI
Cd1-Mod8	<b>Loop</b>	E&M	DID	BRI-ST	BRI-U2	BRI-U4	PRI
Cd2-Mod8	<b>Loop</b>	E&M	DID	BRI-ST	BRI-U2	BRI-U4	PRI
Cd3-Mod8	<b>Loop</b>	E&M	DID	BRI-ST	BRI-U2	BRI-U4	PRI

## TrunkMod

(Profile 2 ) (BRI cards are available on Modules 03 and 04 on midi systems, and on Modules 07 and 08 for maxi systems.)  
 (MICS-XC systems: TrunkMod cannot be configured for Modules 09-14.)

Cd1-Mod3	<b>Loop</b>	E&M	BRI-2	BRI-ST
Cd2-Mod3	<b>Loop</b>	E&M	BRI-2	BRI-ST
Cd3-Mod3	<b>Loop</b>	E&M	BRI-2	BRI-ST
Cd1-Mod4	<b>Loop</b>	E&M	BRI-2	BRI-ST
Cd2-Mod4	<b>Loop</b>	E&M	BRI-2	BRI-ST
Cd3-Mod4	<b>Loop</b>	E&M	BRI-2	BRI-ST
Cd1-Mod5	<b>Loop</b>	E&M		
Cd2-Mod5	<b>Loop</b>	E&M		
Cd3-Mod5	<b>Loop</b>	E&M		
Cd1-Mod6	<b>Loop</b>	E&M		
Cd2-Mod6	<b>Loop</b>	E&M		
Cd3-Mod6	<b>Loop</b>	E&M		
Cd1-Mod7	<b>Loop</b>	E&M	BRI-2	BRI-ST
Cd2-Mod7	<b>Loop</b>	E&M	BRI-2	BRI-ST
Cd3-Mod7	<b>Loop</b>	E&M	BRI-2	BRI-ST
Cd1-Mod8	<b>Loop</b>	E&M	BRI-2	BRI-ST
Cd2-Mod8	<b>Loop</b>	E&M	BRI-2	BRI-ST
Cd3-Mod8	<b>Loop</b>	E&M	BRI-2	BRI-ST

## TrunkMod

(Profiles 3 ) (BRI cards are available on Modules 03 and 04 on midi systems, and on Modules 07 and 08 for maxi systems.)  
 (MICS-XC systems: TrunkMod cannot be configured for Modules 09-14.)

Cd1-Mod3	<b>Loop</b>	E&M	DID	BRI-2	BRI-ST
Cd2-Mod3	<b>Loop</b>	E&M	DID	BRI-2	BRI-ST
Cd3-Mod3	<b>Loop</b>	E&M	DID	BRI-2	BRI-ST
Cd1-Mod4	<b>Loop</b>	E&M	DID	BRI-2	BRI-ST
Cd2-Mod4	<b>Loop</b>	E&M	DID	BRI-2	BRI-ST
Cd3-Mod4	<b>Loop</b>	E&M	DID	BRI-2	BRI-ST
Cd1-Mod5	<b>Loop</b>	E&M			
Cd2-Mod5	<b>Loop</b>	E&M			
Cd3-Mod5	<b>Loop</b>	E&M			
Cd1-Mod6	<b>Loop</b>	E&M			
Cd2-Mod6	<b>Loop</b>	E&M			
Cd3-Mod6	<b>Loop</b>	E&M			
Cd1-Mod7	<b>Loop</b>	E&M	DID	BRI-2	BRI-ST
Cd2-Mod7	<b>Loop</b>	E&M	DID	BRI-2	BRI-ST
Cd3-Mod7	<b>Loop</b>	E&M	DID	BRI-2	BRI-ST
Cd1-Mod8	<b>Loop</b>	E&M	DID	BRI-2	BRI-ST
Cd2-Mod8	<b>Loop</b>	E&M	DID	BRI-2	BRI-ST
Cd3-Mod8	<b>Loop</b>	E&M	DID	BRI-2	BRI-ST

## StnMod

For Station Module programming, see the *Modular ICS 6.1 Installer Guide*.











## Template specific defaults

For the Norstar MICS 6.1 system, the Square template is the default template. The Centrex, Hybrid, PBX and DID template are also available as an option at startup.

For the Norstar MICS-XC 6.1 system, the PBX template is the default template. The DID template is also available as an option at startup. For information on defaults for Registration, Radio data, Radios, Cells, and the Registration password, refer to your *MICS-XC Norstar-Companion Installer Guide*. These settings are used with XC 6.1 systems that use Companion components.

The following charts show the sections of the Programming Record where the Centrex, Hybrid, PBX and DID default values differ from the Square template default values.

## Terminals&Sets defaults

### Line Access

Setting	Square	Centrex	Hybrid	PBX	DID
Line assignment	Set 221 Lines 001 to 002: Appear & Ring other sets Lines 001 to 002: Appear & Ring	Set 221 Line <nnn> † Appear & Ring	Set 221 Line 001: Appear & Ring other sets Line 001: Appear only	Set 221 All lines: Unassigned other sets All lines: Unassigned	Set 221 All external lines: Unassigned other sets All lines: Unassigned
	Target lines 157-284: Unassigned				Target lines 157-284: Ring only
Line pool access	Pool A to O: N		Pool A: Y Pool B to O: N		
Prime line	None	Line <nnn> †	I/C		

† <nnn> is a three-digit line number. The Centrex template sequentially assigns lines to DNs. It assigns Line 001 to DN221, Line 002 to DN 222, and so on, until all lines are assigned to DNs. The lines automatically become prime lines for the DNs.

### Restrictions

Setting	Square	Centrex	Hybrid	PBX	DID
Restr'n 01					
Restr'n 01	0	90	0		
Restr'n 02	1	91	1		
Override 001	1800	91800	1800		
Override 002	1877	91877	1877		
Override 003	1888	91888	1888		
Restr'n 03	911	9911	911		
Override 001	911	9911	911		
Restr'n 04	411	9411	411		
Restr'n 05	976	9976	976		
Restr'n 06	1976	91976	1976		
Restr'n 07	1•••976	91•••976	1•••976		
Restr'n 08	1900	91900	1900		
Restr'n 09	1•••900	91•••900	1•••900		
Restr'n 10	5551212	95551212	5551212		

**Telco features (Feature assignmnt)**

Setting	Square	Centrex	Hybrid	PBX	DID
Call log set	N	Y	Set 221: Y other sets: N	N	default target line: Y other lines: N
Extl VMsg set	N				default target line: Y other lines: N

**Lines defaults****Trunk/Line data (Target lines)**

Setting	Square	Centrex	Hybrid	PBX	DID
Rec'd #:	None				DN of the set it appears on

**Trunk/Line data (Digital and Analog loopstart)**

Setting	Square	Centrex	Hybrid	PBX	DID
Line type	Public		Lines      Pool 001 to 030: Pool A 031 to 060: Pool B 061 to 068: Pool C 069 to 076: Pool D 077 to 084: Pool E 085 to 092: Pool F 093 to 0100: Pool G 101 to 108: Pool H 109 to 112: Pool I 113 to 116: Pool J 117 to 120: Pool K 121 to 124: Pool L 125 to 128: Pool M 129 to 132: Pool N 133 to 136: Pool O 137 to 140: Public 141 to 144: Public 145 to 336 : Public		Lines      Pool 001 to 030: Pool A 031 to 060: Public 061 to 336: Public

### Trunk/Line data (Digital and Analog Groundstart)

Setting	Square	Centrex	Hybrid	PBX	DID
Line type	Public		Lines Pool 001 to 030: Pool A 031 to 060: Pool B 061 to 068: Pool C 069 to 076: Pool D 077 to 084: Pool E 085 to 092: Pool F 093 to 0100: Pool G 101 to 108: Pool H 109 to 112: Pool I 113 to 116: Pool J 117 to 120: Pool K 121 to 124: Pool L 125 to 128: Pool M 129 to 132: Pool N 133 to 136: Pool O 137 to 140: Public 141 to 144: Public 145 to 336 : Public		Lines Pool 001 to 030: Pool A 031 to 060: Public 061 to 336: Public

### Trunk/Line data (Digital and E&M lines)

Setting	Square	Centrex	Hybrid	PBX	DID
Line type	Public		Lines Pool 001 to 030: Pool A 031 to 060: Pool B 061 to 068: Pool C 069 to 076: Pool D 077 to 084: Pool E 085 to 092: Pool F 093 to 0100: Pool G 101 to 108: Pool H 109 to 112: Pool I 113 to 116: Pool J 117 to 120: Pool K 121 to 124: Pool L 125 to 128: Pool M 129 to 132: Pool N 133 to 136: Pool O 137 to 140: Public 141 to 144: Public 145 to 336 : Public		Lines Pool 001 to 030: Pool A 031 to 060: Public 061 to 336: Public

**Trunk/Line data (Digital and Analog DID)**

Setting	Square	Centrex	Hybrid	PBX	DID
Line type	Public		Lines Pool 001 to 030: Pool A 031 to 060: Pool B 061 to 068: Pool C 069 to 076: Pool D 077 to 084: Pool E 085 to 092: Pool F 093 to 0100: Pool G 101 to 108: Pool H 109 to 112: Pool I 113 to 116: Pool J 117 to 120: Pool K 121 to 124: Pool L 125 to 128: Pool M 129 to 132: Pool N 133 to 136: Pool O 137 to 140: Public 141 to 144: Public 145 to 336 : Public		Lines Pool 001 to 030: Pool A 031 to 060: Public 061 to 336: Public

**Trunk/Line data (BRI-2, BRI-ST, BRI-U2 and BRI-U4 lines)**

Setting	Square	Centrex	Hybrid	PBX	DID
Line type	Public		Lines Pool 001 to 030: Pool A 031 to 060: Pool B 061 to 068: Pool C 069 to 076: Pool D 077 to 084: Pool E 085 to 092: Pool F 093 to 0100: Pool G 101 to 108: Pool H 109 to 112: Pool I 113 to 116: Pool J 117 to 120: Pool K 121 to 124: Pool L 125 to 128: Pool M 129 to 132: Pool N 133 to 136: Pool O 137 to 140: Public 141 to 144: Public 145 to 336 : Public		Lines Pool 001 to 030: Pool A 031 to 060: Public 061 to 336: Public



**Restrictions**

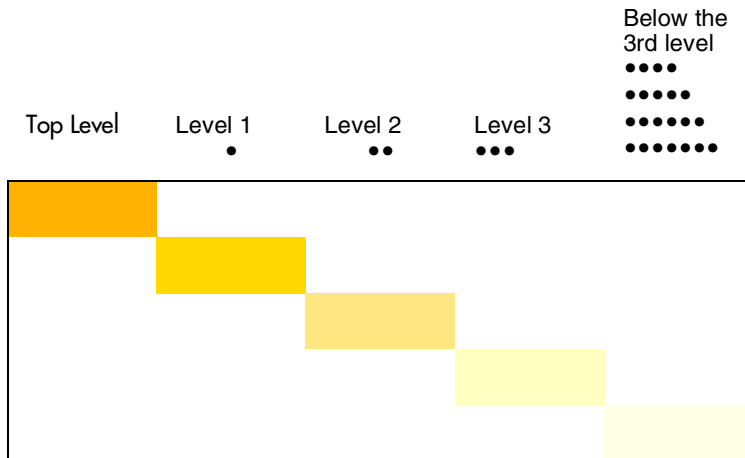
Setting	Square	Centrex	Hybrid	PBX	DID
Restr'n flt 00	No restrictions (cannot be changed)				
Restr'n flt 01					
Restr'n 01	0	90	0		
Restr'n 02	1	91	1		
Override 001	1800	91800	1800		
Override 002	1877	91877	1877		
Override 003	1888	91888	1888		
Restr'n 03	911	9911	911		
Override 001	911	9911	911		
Restr'n 04	411	9411	411		
Restr'n 05	976	9976	976		
Restr'n 06	1976	91976	1976		
Restr'n 07	1***976	91***976	1***976		
Restr'n 08	1900	91900	1900		
Restr'n 09	1***900	91***900	1***900		
Restr'n 10	5551212	95551212	5551212		

**Services defaults****Access codes**

Setting	Square	Centrex	Hybrid	PBX	DID
Line pool codes	None		Pool A: 9 Pool B to O: None		
Park prefix	1				
Extrnl code	9		None		














# Glossary of programming headings and settings

This section presents the programming hierarchy in the Norstar Modular ICS/Modular ICS-XC interface. The dots each represent a level below **the top level**



Menu item	Description
<b>Profile</b> (use only at system startup)	Change on non-North American systems, only! Use this command to choose a profile that reflects the trunk card profile for the specific country. Use Profile password. WARNING: Never use this command after Startup has been run.
<b>Dialpad</b> (use only at system startup)	Use this command to select the dialpad layout you require. This is a system-wide setting. Use Dialpad access.
<b>Startup</b> (use only for initial configuration at system startup)	Use this command to select the default information specific to your system. Use Startup access. This command is only available immediately after startup of the KSU.
<ul style="list-style-type: none"> <li>• Template</li> </ul>	Select the template to assign the default values for the system.
<ul style="list-style-type: none"> <li>• Start DN</li> </ul>	Enter between three and seven digits to indicate the first DN of the range you plan to use. The length of this entry also defines the default DN length and the default Received number length. Note: If the first digit of a DN is the same as any of the follow codes, the system sets these codes to None: <ul style="list-style-type: none"> <li>• Direct-dial digit</li> <li>• Call Park prefix</li> <li>• first digit of a line pool access code</li> </ul>

Use the following commands to change defaults and configure the lines and sets to suit your system requirements. Use Installer or Administrator access codes.	
<b>Terminals &amp; Sets</b>	These commands allow you to assign settings to each telephone (DN).
• <b>Show set: _</b>	Enter the DN of the telephone you want to program.
• <b>XXXX:XXXX</b>	DN number and current name displays to confirm your request.
•• <b>Line access</b>	These commands allow you to assign lines to each DN. You can copy the settings from one DN to another.
••• <b>Line assignment</b>	Use these settings to determine which lines are assigned to the telephone. You can also define how incoming calls on those lines will be handled.
•••• <b>Show line: _____</b>	Enter the numbers of the lines to be assigned to the telephone.
••••• <b>LXXX:Unassigned</b>	Assign the line by pressing the CHANGE soft key to choose how you want the line to show on the telephone (Appr & ring, Ring only, or Appr only). You can use the SCAN softkey to determine which lines have been assigned.
••• <b>LinePool access</b>	Use this menu to define which line pools a telephone, DISA DN or AutoDN will access. All lines except ISDN PRI lines use lines A to 0. PRI lines use PRI-A, Pri-B, etc.
•••• <b>Line Pool A:N</b>	Scroll through the line pool listing and select the pools to assign to the telephone.
••• <b>Prime line: I/C</b>	This setting determines the first line selected when the user makes an outgoing call. If you select a line or line pool as prime line, the line or line pool must be assigned to the telephone.
••• <b>Intercom keys</b>	Select the number of intercom buttons on a telephone for accessing internal lines and line pools.
••• <b>Answer DNs</b>	Enter the DN of another telephone. This set performs the indicated function when the other set receives a call. You can assign up to five answer DNs.
•••• <b>Show set</b>	Enter the DN of the telephone for which this telephone will have an answer button.
•••• <b>XXXX:Unassigned</b>	Assign the answer DN by pressing the CHANGE soft key to choose how you want the line to show on the telephone (Appr & ring, Ring only, or Appr only). You can use the SCAN soft key to determine which DNs have been assigned.
••• <b>OLI#</b>	Enter the 10-digit outgoing line identification number.
•••• <b>OLI # as calld</b>	For some ISDN devices (for example, video conference sets) this allows the OLI digits to replace the internal DN digits on the ISDN device call setup. (Profile 1 and 4 only.)
•• <b>Capabilities</b>	These commands allow you to select the call features for a telephone.
••• <b>Fwd no answer</b>	Redirect all incoming calls when this telephone does not answer.
•••• <b>Fwd to</b>	Enter the external number or the DN of the telephone to which you want to redirect all incoming calls.
•••• <b>Forward delay</b>	Select the number of rings before an unanswered call is forwarded. The heading appears only if a Forward no answer external number or DN is assigned.
••• <b>Fwd on busy</b>	Redirect all incoming calls when this telephone is busy with another call.
•••• <b>Fwd to</b>	Enter the external number or the DN of the telephone to which you want calls to be redirected when this telephone is busy.

••• DND on Busy	Select whether or not an incoming call rings if the user already is on another call.
••• Handsfree	Select whether handsfree will be available to a telephone.
••• HF answerback	Select whether a user can automatically answer a voice call without lifting the receiver or pressing the  button. It is always turned off for a T7100 telephone.
••• Pickup grp	Any user in a pickup group can answer calls to any other telephone in their group using the Call Pickup-group feature (    ). Choose one of nine pickup groups, or choose None to disable the feature for this telephone.
••• Page zone	Assign a page zone to allow this set to receive pages, or choose None to prevent pages at this telephone.
••• Paging	Select whether paging can be performed from this Norstar telephone.
••• D-Dial	Select whether you can call the Direct-dial telephone from this telephone using the Direct-dial digit.
••• Priority call	If a call is critical for the called party to receive, you can program this telephone to interrupt calls or to override Do Not Disturb at another Norstar telephone when you enter    . A priority call can be refused at the set you call if the called party enters Do Not Disturb (    ). However, a priority call cannot be blocked by at a telephone that is already in Do Not Disturb mode.
••• Hotline	Select whether a telephone number will be dialed automatically when a user lifts the receiver or presses the button on the memory keys that is designated as the handsfree/mute button.
•••• Intrnl#:None	Choose Intrnl to enter an internal Norstar telephone as the hotline.
•••• Intrnl#:_____	Enter the internal DN you want to use as the hotline.
•••• Extrnl#:None	Choose Extrnl to enter an external telephone as the hotline.
•••• Extrnl#:_____	Enter the external DN you want to use as the hotline.
••• Aux. ringer	Select whether an external auxiliary ringer will ring for incoming calls at this telephone. <b>Note:</b> The customer-supplied ringer hardware must be installed before the feature will work.
••• Allow redirect	Select whether to allow this telephone to redirect lines.
••• Redirect ring	Select whether a telephone rings briefly when a call is redirected by the Line Redirection feature (    ).
••• ATA settings	Analog telephones or other devices which are connected to the ICS using an Analog Terminal Adapter (ATA) may need the additional programming found under this subheading.
•••• ATA ans timer	This setting determines the timing between when an ATA-connected device dials out and when the device becomes ready to receive DTMF tone from the far end analog device.
•••• ATA use	Choose the setting that indicates where the ATA is situated (On Site/Off Site)
•••• MsgIndicate	Select the type of message indicator the ATA-connected device provides. (None, Tone, Lamp).

•••• ATA dvc	Set to enhance connectivity for telephones connecting to PRI and BRI lines through an ATA module. Choose <b>Telephon</b> for telephones, and <b>Modem</b> for other devices, such as fax machines.
••• SM Supervisor	Select whether the telephone can be used to perform silent monitoring on Hunt groups.
••• Intrusion	Determine what priority an attendant telephone will have to allow a break-in by an M1 attendant telephone. To stop break-in, this setting must be higher than the attendant level.
•••• Protect Lvl	None, Low, Med, High
•• Name	Enter a one-to-seven-digit name for the telephone.
•• User prefernces	These commands allow you to program the user admin features, such as external autodialers, language choice, and display contrast, to personalize the operation of the set.
••• Model	Allows you to pre-program a DN to a specific model of Norstar set. <b>Note:</b> Use the <a href="#">M7000 model setting to correspond with T7000 Business Series Terminals</a> . i.e. M7100/T7100; M7208/T7208; M7310/T7316/T7316E. M7324 has no T-series equivalent.
••• Button prgrming	Allows you to program the buttons with internal and external autodialers and/or programmed feature keys.
•••• 10+24 buttons	Allows you to choose specific buttons to program, and the number of programmable buttons for the set type.
•••• BXX:Blank button	This is the display you see if the button is not assigned. Use the Next button to move through the list of buttons available to the set model.
•••• BXX:<feature/line/DN>	This is the display you see that indicates what is assigned to the button. Soft keys: Clr/Tel#/Featr
••••• Tel # dest'n?	This is the display you receive if you press the TEL# soft key at the button prompt.
••••• Intrnl#:_____	Enter an internal number to attach to this line.
••••• Extrnl#:_____	Enter an external number to attach to this line.
••••• Feature code:	This is the display you receive if you press the FEATR soft key at the button prompt. Use the Next button to scroll through the available codes. Press OK to assign the feature to the button.
••••• Speed Dial:F0	Use TEL# soft key to enter number to be dialed when you press this button.
••••• Send Msg:F1	Send message to another mailbox.
••••• #Send Msg:F#1	Send message to another telephone display.
••••• Ring Again:F2	Monitor busy or unanswered telephone or busy line within the system. This feature signals you to call back when the telephone or line pool becomes available.
••••• Conf/Trans:F3	Use to establish a three-way call.
••••• Call Fwd:F4	Send all calls to another telephone within the system.
••••• Last no.:F5	Last number redial automatically dials the last external telephone number that was dialed from this set.
••••• Page Genrl:F60	See Voice Call




<ul style="list-style-type: none"> <li>••••• Pg Zone All:F610</li> <li>••••• Page Zone 1:F611</li> <li>••••• Page Zone 2:F612</li> <li>••••• Page Zone 3:F613</li> <li>••••• Page Zone 4:F614</li> <li>••••• Page Zone 5:F615</li> <li>••••• Page Zone 6:F616</li> </ul>	<p>Page internally by zone. Zone 0 pages all zones.</p>
<ul style="list-style-type: none"> <li>••••• Page Spkr:F62</li> </ul>	<p>Page through an external loudspeaker system.</p>
<ul style="list-style-type: none"> <li>••••• Pg All, Spkr:F630</li> <li>••••• Page Spkr+1:F631</li> <li>••••• Page Spkr+2:F632</li> <li>••••• Page Spkr+3:F633</li> <li>••••• Page Spkr+4:F634</li> <li>••••• Page Spkr+5:F635</li> <li>••••• Page Spkr+6:F636</li> </ul>	<p>Page through both sets and external loudspeaker system by zone. Zone 0 pages all zones.</p>
<ul style="list-style-type: none"> <li>••••• Line Pool:F64</li> </ul>	<p>Gives you access to line pools. Press this feature, then enter a line pool access code.</p>
<ul style="list-style-type: none"> <li>••••• Reply Msg:F65</li> </ul>	<p>Use to view and reply to messages.</p>
<ul style="list-style-type: none"> <li>••••• #Msg. Wait:F#65</li> </ul>	<p>Use to view number of message waiting.</p>
<ul style="list-style-type: none"> <li>••••• Voice Call:F66</li> </ul>	<p>Initiate a call/announcement through the speakers of another set without first ringing the set.</p>
<ul style="list-style-type: none"> <li>••••• Saved No.:F67</li> </ul>	<p>Use during a call to save a number for later redialing.</p>
<ul style="list-style-type: none"> <li>••••• Rst O'ride:F68</li> </ul>	<p>Use to override restrictions to allow entry of a COS password. Effective for current call, only.</p>
<ul style="list-style-type: none"> <li>••••• Priority:F69</li> </ul>	<p>Use to interrupt a call on another set.</p>
<ul style="list-style-type: none"> <li>••••• Transfer:F70</li> </ul>	<p>Use to transfer a call to another internal or external set.</p>
<ul style="list-style-type: none"> <li>••••• Link:F71</li> </ul>	<p>Use to generate a link signal to access a PBX or other host exchange.</p>
<ul style="list-style-type: none"> <li>••••• Call Park:F74</li> </ul>	<p>Use to put a call on hold that can be picked up at any other set. The display shows a three-digit retrieval code.</p>
<ul style="list-style-type: none"> <li>••••• Grp Pickup:F75</li> </ul>	<p>Use to answer a call that is ringing at another set. External calls are answered in sequence.</p>
<ul style="list-style-type: none"> <li>••••• Dir Pickup:F76</li> </ul>	<p>Use to answer a call to your set from another set.</p>
<ul style="list-style-type: none"> <li>••••• Call Timer:F77</li> </ul>	<p>Use to display the duration of current or most recent call.</p>
<ul style="list-style-type: none"> <li>••••• Pause:F78</li> </ul>	<p>Use to program a pause (1.5 second) delay into an external autodial sequence.</p>
<ul style="list-style-type: none"> <li>••••• Excl. Hold:F79</li> </ul>	<p>Use to put a group call on hold. The call shows busy on all other sets in the group.</p>
<ul style="list-style-type: none"> <li>••••• Trunk Answr:F800</li> </ul>	<p>Use to answer an external call that is ringing on a line that has been placed into a Ringing Service schedule. This feature does not work for a private line.</p>
<ul style="list-style-type: none"> <li>••••• Call Queue:F801</li> </ul>	<p>Use to answer the next call.</p>
<ul style="list-style-type: none"> <li>••••• Grp. Listen:F802</li> </ul>	<p>Use to receive to both the speakers and the handset on a set.</p>

••••• Show time:F803	Use to display the time and date while on a call.
••••• Wait:Dial:F804	Use to program an external autodial number to cause the system to wait to receive dial tone from another system before proceeding with the dialing sequence.
••••• Ringing Call:F807	
••••• Long Tones: F808	Use to generate a tone for the period you hold down a button to communicate with devices such as faxes and answering machines.
••••• Call Info:F811	Use to display the name, number, or line name of a ringing or held call.
••••• Call Log:F812	Display the call information for a set.
••••• Logit:F813	Store caller information for your current call in the Call Log of the set.
••••• Offer rej:F814	
••••• Log O'flow:F815	Also referred to as Autobumping. Use to delete the oldest log item from the Call Log of the set.
••••• ONN block:F819	Use to block your name/number from being transmitted as part of the call information package.
••••• Camp-on:F82	Use to reroute a call to another set that already has busy lines.
••••• Privacy:F83	Use to enable or disable privacy setting, which allows or blocks another telephone from choosing the line you are using.
••••• Line Redire:F84	Use to redirect external calls to a telephone external to your system. Note: Not all lines or telephones support this feature.
••••• DND:F85	Use either to: <ul style="list-style-type: none"> <li>• block ringing of all incoming calls, except priority calls</li> <li>• block an incoming priority call if you are currently on a call</li> </ul>
••••• Music:F86	Use to listen to music from the external music source through your telephone speaker if you are not on a call. <b>Note:</b> Customer-supplied hardware must be installed for this feature to work.
••••• Srvc Stat:F870	Display the services that have been turned on at a designated control set.
••••• Ring Srvc:F871	Turn on one of six schedules for alternative ringing/call answer arrangements from a designated control telephone.
••••• Rstrn Srvc:F872	Turn on one of six services for restrictions on particular lines or telephones from a designated control telephone. You need the System Coordinator password.
••••• Route Srvc:F873	Turn on one of six services for routing on particular lines on telephones from a designated control telephone. You require the System Coordinator password.
••••• Alarm:F875	Use this from a room set to program a wake-up alarm.
••••• Rm condition:F876	Use this command from a room set to update the room condition setting.
••••• Alarm admin:F877	Use from a Hospitality administrative set to set a wake-up alarm for a specific room.
••••• Rm cond adm:F878	Use from a Hospitality administrative set to see the room condition of a specific room.
••••• Rm occ adm:F879	Use from a Hospitality administrative set to see the room occupancy of a specific room.

••••• Voice Deny:F88	Use to prevent the set from receiving voice calls.
••••• MCID:F897	ESTI lines only: If service is active from the service provider, this feature saves current caller information at the service provider system.
••••• Language:F*501	Select the display language. (501 = first language; 502 = second language; 503 = third language)
••••• Sil Mon:F*550	Allows users at a supervisor terminal to monitor external Hunt group calls.
••••• Contrast:F*7	Use to adjust contrast of display
••••• Static time:F806	Change the first line of the display to the current time and date.
••••• Call:F*520 .... F*535	These 16 System-wide Call Appearance (SWCA) feature codes can be programmed onto memory buttons with indicators to provide call parking within a group of telephones that share the same SWCA button assignment.
••• User speed dial	Use these commands to program user speed dialers. (codes: 256 to 279)
••• Call log opt'ns	Select whether the set will log all calls, no calls, or only unanswered calls.
••• Dialing opt'ns	Select standard dial, pre-dial, or automatic dial.
••• Language	Choose the display language: English, French or Spanish. Note: Language choices depend on system setup.
••• Display cntrst	Select a display contrast level.
••• Ring type	Select a ring type.
•• Restrictions	Use these commands to create and assign restriction filters. These filters are used to prevent a user from making certain kinds of calls from a telephone during normal or scheduled operation periods.
••• Restrtn filters	
••• Set restrns	Select restrictions for specific set or all sets.
•••• Filters	Choose the filter you want to program.
•••• Normal •••• Night •••• Evening •••• Lunch •••• Sched 4 •••• Sched 5 •••• Sched 6	For each line, enter the number (two-digits) of the restriction filter to apply during normal service and each of the schedules.
•••• Set lock	Select the level of personal programming and customizing that can be performed at a telephone.
•••• Allow last no	Select whether a telephone can use Last Number Redial ( <input type="checkbox"/> <input type="checkbox"/> 5).
•••• Allow saved no	Select whether a telephone can use Saved Number Redial ( <input type="checkbox"/> <input type="checkbox"/> 6 <input type="checkbox"/> 7).
•••• Allow link	Select whether a telephone can use Link ( <input type="checkbox"/> <input type="checkbox"/> 7 <input type="checkbox"/> 1) to access the features of a private branch exchange.



<b>••• Line/set rstrns</b>	Assign restriction filters to certain lines on each set in your system.
<b>•••• Show line: _</b>	Select the line on this telephone for which the restriction will apply.
<b>•••• Normal</b> <b>•••• Night</b> <b>•••• Evening</b> <b>•••• Lunch</b> <b>•••• Sched 4</b> <b>•••• Sched 5</b> <b>•••• Sched 6</b>	For each line, enter the number (two-digit) of the restriction filter to apply during normal service and each of the schedules.
<b>•• Telco features</b>	These commands allow you to program how the Norstar system works with features and services that are based in the public network or other outside source, namely Call Display or an external voice message service.
<b>••• Feature assign</b>	Use these commands to assign features, such Call Display, to identify external in-coming calls.
<b>•••• Show line: _____</b>	Enter the number of the line for which the telephone will show Call Display information.
<b>•••• Caller ID set</b>	Select whether the telephone will display incoming CLID.
<b>•••• Extl VMsg set</b>	Select whether this telephone will display a message indicator provided to the specified line by an external voice message service.
<b>••• 1stDisplay</b>	Select call information to be displayed first: name of caller, number of caller, or name of line in your Norstar system that the call is on.
<b>••• Called ID</b>	Select if Called ID is to be displayed.
<b>••• Log space</b>	Allocate a number of Call log spaces from a system-wide pool of spaces to the telephone.
<b>•••• Log: Pool:</b>	Assign this telephone its log spaces.
<b>Lines</b>	These commands allow you to assign settings to each trunk and external line.
<b>• Show line: _</b>	Enter the line number of the line you want to program.
<b>• Line001:Line001</b>	Display of the line number and current line name.
<b>•• Trunk/Line data</b>	Use to program settings for physical lines that affect how the line is used by the Norstar system.
<b>••• Trunk type</b>	This entry is determined by the cartridge or card installed in the KSU slot. This setting also allows you to determine if the lines is supervised or not supervised.
<b>••• Line type</b>	Select how a line will be used by telephones in the system. Choose Public to be able to assign the line to any telephone. Choose Private to make the line private to a telephone. Enter the DN of the telephone you want to assign to the line. Choose Pool to place the line in a line pool (A to O).
<b>••• Dial mode</b>	Select the appropriate dial mode for the line. The dial mode must match the dial mode setting of the line at the central office on the public network. The default is tone. This setting does not appear for target lines.
<b>••• PrimeSet</b>	Enter the DN of a prime telephone as a backup to answer calls on this line.

<b>••• Auto privacy</b>	Select whether a line will be private to the individual on a call, or whether it can be shared by other users while a call is in progress. The Privacy setting can be suspended for individual calls using the privacy feature (    ).
<b>••• Trunk mode</b>	Select whether the line operates with disconnect supervision. Auto answer and DISA lines must be supervised. This setting does not appear for target lines.
<b>••• Ans mode</b>	Select whether the line will be answered manually, the normal call answering method, or automatically by the system. Auto answer allows remote access to your Norstar system. This setting only appears if Trunk mode is supervised.
<b>••• Ans with DISA</b>	Select whether a line programmed for auto answer will be answered with Direct Inward System Access (DISA) or with system dial tone. This setting only appears if Ans mode is Auto. This setting does not appear for target lines.
<b>••• Link time</b>	Select the duration of a signal, such as recall or flash, when a signal is required to access a feature through a remote system.
<b>••• Link at CO</b>	Select whether the system applies the restrictions on outgoing calls to the digits dialed after the Link signal (a host signalling option).
<b>••• Aux. ringer</b>	Select whether an auxiliary ringer, if installed, will ring for incoming calls on this specific line.
<b>••• Full AutoHold</b>	Select whether an idle line will be put on hold when another line is selected. This setting does not appear for target lines.
<b>••• Distinct Ring</b>	Choose whether the line will have a distinctive ring pattern.
<b>••• LossPkg</b>	Select the appropriate loss/gain and impedance package for analog loop lines only. Select the package based on the terminating switch type (PBX or CO), and the distance from the switch (Short, Medium or Long). This setting only appears if Cd1-KSU is Loop. It does not appear for target lines.
<b>••• Rec'd #</b>	Enter the Received number for this target line. When the system automatically answers an incoming call on auto-answer Loopstart or digital lines: <ul style="list-style-type: none"> <li>• it collects the number of digits specified by the Rec'd # length setting</li> <li>• it matches these digits to a Received number</li> <li>• it routes the call to the appropriate target line.</li> </ul> A Received number cannot be the same as, or be the start digits, of a line pool access code, a destination code, the DISA DN, or the Auto DN.
<b>••• Signal</b>	Select the signal type for an E&M or DID line to match the signal type programmed for the trunk at the other switch.
<b>••• ANI number</b>	Select whether the telephone number of the caller will be collected for this E&M or DID line. The digits can then be displayed on Norstar telephones as part of Call Information services.
<b>••• DNIS number</b>	Select whether the digits dialed by an external caller on this E&M or DID line will be collected.
<b>••• Gain</b>	Select the appropriate gain level for this E&M or DID line.
<b>•• Name</b>	Enter a name for a line that is up to seven characters long. This name defaults to the line number.
<b>•• Restrictions</b>	Allows you to create and assign restriction filters. These filters control what kind of calls a user can make on this line.

<b>••• Restrtn filters</b>	These are sets or groups of restrictions and associated overrides that specify the external numbers or feature codes that cannot be dialed from a telephone or line.
<b>•••• Show filter: _</b>	Enter the two-digit filter number.
<b>••••• Restrtn flt 00</b>	Filter 00 is pre-set with no restrictions.
<b>••••• Restrtn flt 01</b>	First programmable restriction. For each filter, enter up to 99 restrictions.
<b>••••• Deny</b>	Enter the digits you wish to be restricted when this filter is used.
<b>••••• Override 001</b>	Enter the dialing sequences which are allowed to override this filter, if any.
<b>••• Line restrns</b>	Designate restriction filters to the lines assigned to this telephone.
<b>•••• Normal</b> <b>•••• Night</b> <b>•••• Evening</b> <b>•••• Lunch</b> <b>•••• Sched 4</b> <b>•••• Sched 5</b> <b>•••• Sched 6</b>	Enter the number (two-digit) of the restriction filter to apply during normal service and for each of the schedules.
<b>••• Remote restrns</b>	Assign restriction filters that apply only to remote users of the line.
<b>••••• Normal</b> <b>••••• Night</b> <b>••••• Evening</b> <b>••••• Lunch</b> <b>••••• Sched 4</b> <b>••~•• Sched 5</b> <b>••••• Sched 6</b>	Enter the number (two-digit) of the restriction filter to apply to remote use during normal service and for each of the schedules.
<b>•• Telco features</b>	These commands allow you to assign settings for an external voice message service.
<b>••• VMsg center 1 (1-4)</b>	Assign a VMsg center to be used for voice message service for the line.
<b>•••• Use:</b>	Choose the route the system will use to access the external voice mail center.
<b>•••• Tel #</b>	Enter the telephone number that access the voice mail center.
<b>Services</b>	These commands allow you to create services such as night ringing, routing, and restrictions for making external calls.
<b>• Ringing service</b>	Assign additional telephones to ring for a line during specified periods of the day or night.
<b>•• Ringing groups</b>	Allow groups of extended ringing sets to be defined.
<b>••• Show group: _</b>	Enter the number of the Ringing group you want to program (001-100).
<b>•••• Ring grp 001</b>	Enter the valid ring group number from 001 to 100. All ring groups have set 211 assigned to them.
<b>••••• Show set: _</b>	Enter the number of the set you wish to assign to this Ringing group or use <u>LIST</u> to display the valid sets added to this Ringing group.

<b>•• Sched:Night</b>	Select options for your ringing service.
<b>••• Service</b>	Select how you want your service activated.
<b>••• Trunk Answer</b>	Allow the telephone to answer incoming calls arriving at any telephone on the system.
<b>••• ExtraDial</b>	Enter the internal telephone number of the Extra-Dial telephone. This allows you to assign an additional Direct-dial telephone in the Norstar system for each schedule you use.
<b>••• Line settings</b>	Select ringing service options for each line.
<b>•••• Show line: _</b>	Enter the valid line number.
<b>•••• Ring grp</b>	Press change to enter the line number of each pre-defined ring group between 001 and 100.
<b>•••• Aux. ringer</b>	Indicate whether the auxiliary ringer (if installed) also rings for this line when Ringing service is on.
<b>•• Sched:Evening •• Sched:Lunch •• Sched:Sched 4 •• Sched:Sched 5 •• Sched:Sched 6</b>	Enter the information for each of these settings as you have done for Night sched.
<b>• Restrtn service</b>	Use these commands to select the method for activating alternate restrictions.
<b>•• Sched:Night</b>	Indicate how alternate call routing should be activated for each of the schedules.
<b>••• Service</b>	Select how you want your service activated.
<b>•• Sched:Evening •• Sched:Lunch •• Sched:Sched 4 •• Sched:Sched 5 •• Sched:Sched 6</b>	Set up activation method for each of these settings, as you have with Night sched.
<b>• Routing service</b>	A programming section that allows you to create up to 500 destination codes and 999 routes to provide a dialing plan or for least cost routing.
<b>•• Routes</b>	Create the routes to be used when a destination code is dialed.
<b>••• Show route: _</b>	Enter the number of the route you want to create.
<b>•••• DialOut</b>	Enter the number, of up to 24 digits or characters, that you want this route to dial out, if required.
<b>•••• Use</b>	Select the line pool you want this route to use.

<b>•• Dest codes</b>	Define which routes are used when a destination code is dialed.
<b>••• Show DstCode: _</b>	Up to 500 destination codes are programmable. Enter up to seven digits of the destination code that you want to use to define a route. Destination codes must be unique. A destination code cannot begin with a digit assigned as: <ul style="list-style-type: none"> <li>• Call Park prefix</li> <li>• Direct-dial digit</li> <li>• same as, or be the start digits of a DN, the DISA DN or the Auto DN</li> <li>• line pool code</li> <li>• received number.</li> </ul>
<b>••• DestCode: _</b>	Enter the new destination code.
<b>••• DestCode:</b>	Shows the destination code you wish to view.
<b>•••• Normal</b>	For the last destination code, define the normal service. Use the route that has the lowest cost for the times when normal service is in use.
<b>•••• AbsorbLength</b>	Enter the number of digits from the destination code that will be dropped before the number is dialed out.
<b>•••• Night</b>	Each of the next six schedules allow you to define three possible routes that an outgoing call may take.
<b>•••• First route</b> <b>•••• Absorb Length</b> <b>•••• Second route</b> <b>•••• Absorb Length</b> <b>•••• Third route</b> <b>•••• Absorb Length</b>	Enter route numbers and determine the amount of the destination code that needs to be suppressed to use these routes. The routes are listed in hierarchal order. The system attempts the first route, first, and only moves to the second route if the first route is not available. If the second route is also not available, the call will attempt to use the third route. If none of the routes are available, the call will go to the overflow route, if one has been specified.
<b>•••• Evening</b> <b>•••• Lunch</b> <b>•••• Sched 4</b> <b>•••• Sched 5</b> <b>•••• Sched 6</b>	For the last destination code, define a route for each of the schedules that you want to activate for this code.
<b>•• Sched:Night</b>	This schedule can be activated automatically or manually, or it can be left in the default Off.
<b>••• Service</b>	Select how you want this service activated, if applicable.
<b>••• Overflow</b>	For each schedule, choose whether you want a destination code to use the route assigned to normal service when the route assigned to the schedule is busy.
<b>•• Sched:Evening</b> <b>•• Sched:Lunch</b> <b>•• Sched:Sched 4</b> <b>•• Sched:Sched 5</b> <b>•• Sched:Sched 6</b>	Select how you want each of the scheduled services to be activated, and whether a destination code uses the route used with normal service when the route used with the schedule is busy.

<b>• Common settings</b>	Use these commands to assign settings that are shared by different services.
<b>•• Control sets</b>	Assign control telephones to turn services on or off.
<b>••• For lines</b>	Select lines for settings and services.
<b>•••• Show line: _</b>	Enter the number of the line you want to program.
<b>•••• L001</b>	Assign a control telephone to each external line that will controls services for the line.
<b>••• For sets</b>	Select the sets affected by this service.
<b>•••• Show set: _</b>	Enter the number of the telephone you want to program.
<b>•••• &lt;internal #&gt;</b>	Assign a control telephone to each telephone. This telephone controls Restriction service and Routing service for the set.
<b>•• Schedule names</b>	The schedule name is shown on the display of the control telephone when the schedule is turned on. It identifies the active schedule.
<b>••• Sched 1</b> <b>••• Sched 2</b> <b>••• Sched 3</b> <b>••• Sched 4</b> <b>••• Sched 5</b> <b>••• Sched 6</b>	Enter the name of the schedule, or use the default numbering.
<b>•• Schedule times</b>	Enter automatic start and stop times for scheduled services.
<b>••• Monday</b>	Assign the schedule times for Monday, as it applies to your office.
<b>•••• Sched:Night (Evening, Lunch, Sched 4, Sched 5, or Sched 6)</b>	Select the schedule as it applies to your office.
<b>••••• Start time</b>	Enter the start time.
<b>••••• Stop time</b>	Enter the stop time.
<b>••• Tuesday</b> <b>••• Wednesday</b> <b>••• Thursday</b> <b>••• Friday</b> <b>••• Saturday</b> <b>••• Sunday</b>	Assign scheduled start and stop times for each scheduled service and day of week, as you have done for Monday.
<b>Sys speed dial</b>	These commands allow you to create speed dial codes that can be used by any telephone in the system.
<b>• Speed dial #</b>	Enter the three-digit speed dial code (001-255) that you want to program.
<b>•• XXX:</b>	Enter the telephone number (up to 24 digits) that you want to assign to it.
<b>•• Use prime line</b>	Select the line to use for dialing this speed dial number. If you select Use routing table, the number dialed is treated as a routing destination code.
<b>•• Display digits</b>	Select whether a telephone displays the number dialed when a speed dial number is used.

<b>••• Name</b>	If you choose No for display digits, enter 16 characters to identify the person or location for a speed dial number. When the number is dialed, the telephone displays the name, not the number. If you want to use the alpha tagging feature, you must specify a name for the speed dial.
<b>•• Bypass restr'n</b>	Select whether a programmed system speed dial number can bypass restrictions programmed for a line and/or a telephone.
<b>Passwords</b>	Use these commands to assign passwords to restrict access to programming and system features.
<b>• COS pswds</b>	Create up to 100 six-digit passwords that control access and use of the Norstar system by internal and remote users.
<b>•• Show pswd#:_</b>	Enter the two-digit Class of Service password number (00-99).
<b>•• COS pswd #00</b>	Indicates the number of the password to which you are assigning information.
<b>••• Pswd 00</b>	Enter a six-digit password.
<b>••• User flt</b>	Assign a restriction filter to the Class of Service password.
<b>••• Line flt</b>	Select whether a Class of Service password will use the default line filter or a different line filter (enter the two-digit filter number).
<b>••• Remote pkg</b>	Select whether a Class of Service password will use the default remote package or a different remote package (enter the two-digit remote package number).
<b>• Call log pswds</b>	A programming section that allows you to clear any Call Log password programmed with the Call Log feature.
<b>•• Show set:_</b>	Enter the DN of the telephone you want to program.
<b>••• Log pswd</b>	Erase the call log password for this telephone.
<b>• Programing pswds</b>	In this section you can create your own password rather than use the default.
<b>•• Installer</b>	Enter the new installer password which gives you access all the programming settings.
<b>•• SysCoord+</b>	Enter the new system coordinator password which gives you access to selected programming settings.
<b>•• Sys coord</b>	Enter the new system coordinator password which gives you access to everyday programming settings.
<b>•• Basic</b>	Enter the new basic password which gives you access to the most commonly used programming settings.
<b>• Reg pswd.</b> (MICS-XC only)	Enter the new registration password that allows you to register Companion portable sets to the system.
<b>• Hospitality</b>	Use these commands to create Hospitality services passwords if required, rather than use the defaults.
<b>•• Desk pswd</b>	Enter the new Desk password which gives access to all Hospitality services programming settings.
<b>•• Cond pswd</b>	Enter a Condition password which gives certain employees access to the Room condition programming settings in Hospitality services.
<b>• SM password</b>	Enter the password that the supervisor using Silent Monitoring will enter.

<b>Time&amp;Date</b>	Use these commands to set the system clock to the correct time and date.
<b>System prgrming</b>	Use these commands to change system-wide settings.
<b>• Hunt groups</b>	These commands allow you to set up incoming calls on a specific DN to be routed to a group of sets.
<b>•• Show group:_</b>	Enter the DN of the telephone you want to program.
<b>••• Member DNs</b>	Enter the DN of the telephone you want to add to the group.
<b>•• Line assignment</b>	Assign or unassign a line to a particular hunt group.
<b>•• Mode:</b>	Determine how an incoming call will be handled by the hunt group.
<b>•• Hunt delay:</b>	Select a delay value to determine how long a set rings before the call moves on the next member set.
<b>•• If busy:</b>	Determine how an incoming call is to be treated when all hunt group member sets are busy.
<b>•• Q Timeout:</b>	Set the number of seconds the incoming call remains in the hunt group call queue before it is offered to the overflow position.
<b>•• Overflow:</b>	Enter the DN of the set you want the hunt group overflow calls to be presented.
<b>•• Name:</b>	Enter the name of the hunt group.
<b>•• Aux ringer</b>	Indicate if an external ringer will be used.
<b>•• Distinct Ring</b>	Use this setting to determine the Distinctive Ring Pattern you want to use to identify the Hunt group. This setting works in conjunction with Line and Telephone distinctive ring settings.
<b>• Change DNs</b>	Change the DN of a telephone. All DNs must be the same length. The first digit of a new DN cannot be the same as the: <ul style="list-style-type: none"> <li>• external line access code</li> <li>• Call Park prefix</li> <li>• Direct-dial digit</li> <li>• first digit of a line pool access code</li> </ul> If you change an individual DN, you must quit programming for the change to take effect.
<b>• Featr settings</b>	Use these commands to set or change features for specific sets.
<b>•• Backgrnd music</b>	Select whether users can listen to music through their telephone speaker using the Background Music feature ( <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> ). A customer-supplied music source must be connected to the ICS.
<b>•• On hold</b>	Select whether a caller on hold hears: <ul style="list-style-type: none"> <li>• music from an outside source, such as a radio connected to the ICS</li> <li>• periodic tones</li> <li>• silence</li> </ul>
<b>•• Receiver volume</b>	Select whether the volume of a telephone receiver/headset automatically resets to the system default level, or retains the level set at the telephone.
<b>•• Camp timeout</b>	Select the number of seconds a call can remain camped before it returns to the telephone that camped it.
<b>•• Park timeout</b>	Select the number of seconds a call on an external line can remain parked before it returns to the telephone that parked it.





•• Silent Monitor	Use this command to determine if the Silent Monitoring feature will emit a conference tone when supervision occurs. (Y = tone; N = no tone)
•• CLID Match	Use this command to determine how many digits an incoming calls must match to a System Speed Dial listing to allow the speed dial name to display for the call.
• Direct-dial	Select whether an internal or external number is used for the Direct-dial telephone.
•• D-Dial 1	Enter the internal or external numbers that the system will automatically dial when someone enters the Direct-dial digit.
••• Intrnl#	Enter the DN number of the direct-dial telephone. If it is an external number, you will also have to choose how the outgoing call is made.
•• D-Dial 2 •• D-Dial 3 •• D-Dial 4 •• D-Dial 5	Program the settings for each direct-dial telephone, as you did for Set 1.
• CAP/KIM assignment	Use these commands to assign the DNs of telephones to a the central answering position (CAP) which can be composed of one or more CAP modules attached to a M7234 telephone or one or more KIMs attached to a T7316E BST telephone.
•• CAP 1 or KIM1 •• CAP 2 or KIM2 •• CAP 3 or KIM3 •• CAP 4 or KIM4 •• CAP 5 or KIM5	Enter the DN of the CAP telephones.
• Dialing plan	
•• Private network	If you are networking your system using dedicated PRI lines, you need to set up the same dialing plan on all nodes of the system.
••• Type	(None, CDP, UDP) This fields defines the type of dialing plan.
••• PrivNetID	(CDP and UDP only) This is the unique network identifier for each node.
••• Loc code	(UDP only) This is the code that provides access to a UDP-based node.
••• Priv DN len	This is the number of digits the nodes require to recognize where the information needs to be routed.
•• Public network	If you are networking through PSTN public lines, you can specify which numbers will be recognized as belonging to the system.
••• Pub DN lengths	This is the DN length the system will recognize
•••• Show prefix	These are the prefixes the system will recognize.
•••• Prfx: Deflt	
••••• DN length	
•• Dial timeout	This is the timer for releasing a call that cannot be routed over the network.
••• Dial timeout	

<ul style="list-style-type: none"> <li>• <b>Access Codes</b></li> </ul>	<p>Use these commands to enter the access codes for:</p> <ul style="list-style-type: none"> <li>• Line pool</li> <li>• Park prefix</li> <li>• Extrnl code</li> <li>• Direct-Dial</li> <li>• Auto DN</li> <li>• DISA DN</li> </ul>
<ul style="list-style-type: none"> <li>•• <b>Line pool codes</b></li> </ul>	<p>Enter a line pool access code for each line pool (1-4 digits). A line pool access code cannot start with the same digits as the:</p> <ul style="list-style-type: none"> <li>• Call Park prefix</li> <li>• Direct-dial digit</li> <li>• any DN (including Rec'd #s, the DISA DN, or the Auto DN)</li> <li>• destination code</li> </ul>
<ul style="list-style-type: none"> <li>•• <b>Park prefix</b></li> </ul>	<p>Select the first digit of the Call Park retrieval code.</p>
<ul style="list-style-type: none"> <li>•• <b>Extrnl code</b></li> </ul>	<p>Enter the one-digit external line access code. This code allows an M7100 telephone or a device connected to an ATA to access external lines. The external line access code cannot be the same as the:</p> <ul style="list-style-type: none"> <li>• Call Park prefix</li> <li>• Direct-dial digit</li> <li>• first digit used by an internal DN</li> </ul>
<ul style="list-style-type: none"> <li>•• <b>Direct-dial</b></li> </ul>	<p>Select the digit used to dial a Direct-dial telephone. The digit cannot be the same as the:</p> <ul style="list-style-type: none"> <li>• first digit of a DN</li> <li>• line pool access code</li> <li>• external line access code</li> <li>• Call Park prefix</li> <li>• first digit of a destination code</li> </ul>
<ul style="list-style-type: none"> <li>•• <b>Auto DN</b></li> </ul>	<p>Enter the DN that a remote user can dial on an auto answer Loop line so that the line is answered with system dial tone. A remote user can then use the system resources allowed by the remote access package assigned to the line. The length of the Auto DN is the same as the Rec'd # length. The Auto DN cannot be the same as a:</p> <ul style="list-style-type: none"> <li>• line pool access code</li> <li>• destination code</li> </ul>
<ul style="list-style-type: none"> <li>•• <b>DISA DN</b></li> </ul>	<p>Enter the DN a remote user can dial on an auto answer Loop line so that the line is answered with stuttered dial tone. A remote user must then enter a Class of Service password to gain access to system resources. The remote access package assigned to the Class of Service password determines which resources they can use. The length of the DISA DN is the same as the Rec'd # length. The DISA DN cannot be the same as a:</p> <ul style="list-style-type: none"> <li>• line pool access code</li> <li>• destination code</li> </ul>
<ul style="list-style-type: none"> <li>•• <b>PrivAccCode</b></li> </ul>	<p>Enter the special code for your private network access.</p>
<ul style="list-style-type: none"> <li>•• <b>Carrier Codes</b></li> </ul>	<p>Enter the signal for a carrier code entry.</p>

• <b>Remote access</b>	Use these commands to create a system of controlled access to your Norstar system.
•• <b>Remote access pkgs</b>	Create packages to apply to lines that allow or restrict the remote access to Norstar line pools and/or to paging.
••• <b>Show pkg: _</b>	Enter the two-digit remote package number (00-15). Package 00 is pre-set to allow no access.
•••• <b>LinePool access</b>	For each package, select whether the user will have access to the system line pools.
••••• <b>Pool &lt;pool letter (pool code)&gt;</b>	For each line pool, select whether a remote user can have access.
•••• <b>Remote page</b>	For each package, select whether a remote user can access the Page feature.
•• <b>Rem line access</b>	Select the remote access packages to be applied.
••• <b>Show line: _</b>	Enter the line number.
• <b>Change DN type</b> (MICS-XC systems, only)	These commands allow you to change DN types for the range of DNs that are available to either portable telephones or ISDN terminal equipment.
•• <b>Show DN: _</b>	Enter the DN for which you want to change the DN type.
••• <b>637</b>	Select whether this DN is reserved for use with a portable telephone or with ISDN terminal equipment.
•••• <b>State</b>	Use this softkey item to see whether a portable has been assigned to the DN.
<b>Companion</b> (MICS-XC systems, only)	These commands allow you to set up base stations and program the portables in your Companion system.
• <b>Registration</b>	Use these commands to register the portables to the system.
•• <b>Registration</b>	Turn portable registration on or off.
•• <b>Portable DNs</b>	Identify the access line to which a portable is registered.
••• <b>Show DN: _</b>	Display the DN of the portable.
• <b>Radio data</b>	These commands allow you to initiate a re-evaluation of the radio status.
•• <b>Re-evaluation</b>	This command automatically assigns base stations to cells and defines the cell configuration.
••• <b>Status</b>	Identify the status of the Re-evaluation.
••• <b>Schedule</b>	
• <b>Radios</b>	These commands provide information about cell assignment and antenna type.
•• <b>Cell assignment</b>	View whether a radio is assigned to a cell or unassigned.
••• <b>Show radio</b>	Enter the number of the radio.
•• <b>Antenna type</b>	Indicate the type of antenna selected for each base station.
••• <b>Show radio</b>	Enter the number of the radio.

• <b>Cells</b>	These commands provide information about the cells within the system.
•• <b>Show cell: _</b>	Enter the number of the cell you wish to program.
•• <b>Cell radios</b>	Assign a radio to this cell.
••• <b>Show radio: _</b>	Enter the number of the radio.
•• <b>Cell nghbrs</b>	Assign a cell to be a neighbor. This is a cell that physically adjoins another cell.
••• <b>Show nghbr</b>	View neighbor information.
•• <b>Cell rad nghbrs</b>	Assign a cell to be a bordering cell to each cell neighbour.
•• <b>Show RadNghbr</b>	View cell radio neighbor information.
• <b>System LID</b> (MICS-XC systems, only)	Use these commands to determine the System Access Logical Identifier (LID) by which the system identifies itself to portable telephones, and by which the portable telephones request service from the system.
• <b>Rec'd # length</b>	Select the number of digits received on auto-answer lines. These digits are used to identify the Auto DN and DISA DNs, and to route calls to target lines.
• <b>DN length: _</b>	Select the length of DNs. DN length can be three to seven digits. Each increase in DN length adds the digit 2 to an existing DN (for example: DN 344, when increased to five digits, becomes 22344).
• <b>Nat'nl length</b>	The length of the telephone number dialed to reach a person within the same country.
• <b>Make/Break:</b>	Select the Make/Break ratio. The default Make/Break ratio is 40 / 60.
• <b>BusName</b>	Enter the name of the business. This name displays on the receiving set, where the line allows.
• <b>CbC limits</b>	These commands allow you to program the minimum and maximum incoming and outgoing calls for a PRI line pool.
•• <b>Pool PRI-A</b>	Select the PRI line pool (PRI-A, PRI-B....) for which you want to set the limits.
••• <b>Show: Public</b>	Select Public or Private, or Tie, FX, OUTWATS, 800
•••• <b>Min incoming</b>	Enter the minimum number of incoming PRI lines you need.
•••• <b>Max incoming</b>	Enter the maximum number of incoming PRI lines you need.
•••• <b>Min outgoing</b>	Enter the minimum number of outgoing PRI lines you need.
•••• <b>Max outgoing</b>	Enter the maximum number of outgoing PRI lines you need.
• <b>Release reasons</b>	Release reasons.
• <b>Hospitality</b>	These commands allow you to create the hospitality settings.
•• <b>Room/desk information</b>	These commands allow you to assign sets to a room.
••• <b>Show set: _</b>	Indicate the set you wish to configure.
••• <b>Room #: _</b>	Indicate the room associated with the set.
••• <b>Adm pwd req'd:</b>	Indicate whether the set requires the use of the Hospitality Desk Admin password to access Hospitality Desk features.

<b>•• Call Restrns</b>	These commands allow you to assign dialing filters to room occupancy states.
<b>••• Vacant</b>	This command notes if the Room is empty or occupied.
<b>•••• Use flt:</b>	Enter the dialing filter for the room state. The filters range from 00 to 99.
<b>••• Basic</b>	Indicate the filter to be assigned for that level of room occupancy.
<b>••• Mid</b>	Indicate the filter to be assigned for that level of room occupancy.
<b>••• Full</b>	Indicate the filter to be assigned for that level of room occupancy.
<b>•• Service time</b>	These commands allow you to program a system-wide time when occupied rooms change state from Service done to Needs service.
<b>••• Hour</b>	Enter the hour.
<b>••• Minutes</b>	Enter the minutes.
<b>•• Alarm</b>	These commands allow you to configure the Alarm operation.
<b>••• Attn attempts</b>	Enter the number of times the Alarm time feature attempts to get the attention of the occupant before cancelling.
<b>••• Retry intrvl</b>	Enter the interval period between each Alarm attempt. This setting is in minute intervals.
<b>••• Attn duration</b>	Set the period for which a set alerts on each alarm attempt. This setting is in seconds.
<b>••• Time format</b>	Choose if alarm times are entered using a 12 hour or 24 hour clock.
<b>•• Expired Alarms</b>	These commands allow you to determine how the system will notify you about expired alarms.
<b>••• Notify set</b>	Use this command to choose whether the set where the alarm was programmed will be notified if the alarm expires.
<b>••• Use Tone</b>	Use this command to choose what tone will be used if the set is notified that an alarm has expired.
<b>• Network services</b>	These commands are used for MCDN connections only.
<b>•• ETSI (profile 2 only)</b>	These features can be supplied by your service provider over ETSI lines.
<b>••• Netwrk Redirection (NCD)</b>	Use this command to indicate whether you want to be able to call forward calls over the network.
<b>••• MCID</b>	Use this command to indicate whether the MCID feature code can be used to record call information at the CO.
<b>•• MCDN (profiles 1, 2, and 4)</b>	Press Next to move to next entry.
<b>••• NetwkICCL</b>	Select whether you want ISDN Call Control Limitation to be set for your MCDN network.
<b>••• TRO</b>	Select whether you want Trunk Route Optimization to be active on the MCDN networks.
<b>••• TAT</b>	Select whether you want Trunk Anti-Tromboning to be set for your MCDN network.
<b>• SM Sets</b>	Indicate the number of silent monitoring telephones that you want to allow in your system (1 - 30). Note that telephones that have been allowed as SM supervisors cannot be monitored.

<b>Telco features</b>	These commands allow you to assign settings for external voice messaging services.
• <b>VMsg ctr tel#s</b>	These commands allow you to determine which voice message center the set will use, and how it will access the network.
•• <b>VMsg center 1</b> •• <b>VMsg center 2</b> •• <b>VMsg center 3</b> •• <b>VMsg center 4</b> •• <b>VMsg center 5</b>	Choose the voice message center you want the set to use.
••• <b>Use: linel routing tbl</b>	Select whether the set will access the voice message center over a direct line, or through a routing table.
•••• <b>Tel#</b>	Enter up to a 24-number telephone number that accesses the voice messaging center.
• <b>ONN blocking</b>	Allows outgoing name and number to be blocked at the called party end on both analog and digital lines.
•• <b>Analog VSC</b>	Analog Vertical service code.
••• <b>Tone</b>	Vertical service code for analog tone dialing trunks.
••• <b>Pulse</b>	Vertical service code for analog pulse dialing trunks.
•• <b>BRI VSC</b>	Basic Rate Interface Vertical service code.
••• <b>Code:</b>	Enter the BRI code.
<b>Software keys</b>	These commands allow you to set up access to optional features and services through Nortel Networks programming.
• <b>SysID</b>	This number can be viewed on any M7324, M7310, T7316 or T7316E display. Record the number. You will be asked to provide this number when you call the Nortel Customer Response Center.
• <b>Password keys</b>	Keys are required for some system expansion activities and to activate the remote monitoring capability. To obtain the required keys for ISDN PRI, and fixed access trunks/WAN access for Data Modules, call the Nortel Customer Response Center at: 1-800-684-5825. Note: An ISDN PRI key is required for MCDN networking.
•• <b>Key 1</b>	Enter the eight-digit password.
•• <b>Key 2</b>	Enter the eight-digit password.
•• <b>Key 3</b>	Enter the eight-digit password.
<b>Hardware</b>	Use these commands to view and configure the Trunk Cartridges and BRI Cards installed in the ICS.
• <b>Show module: _</b>	Indicate the module you wish to view.
• <b>Cards on KSU</b>	View and program the cartridges and cards installed in the ICS.
•• <b>Cd1-KSU</b>	View the type of card that occupies the right-most slot in the ICS.
••• <b>Card type</b>	The display shows the current card type.
••• <b>Lines</b>	View the line-number range for the lines on a Trunk Cartridge.
••• <b>Show lines ____</b>	

••• Protocol	
••• PrivNetId	
•• Discon timer	Specify the duration of an Open Switch Interval for a Trunk Cartridge.
•• Answer timer	Select the minimum duration, in seconds, of an answer signal before a call is considered to be answered, for an E&M trunk cartridge.
•• CO fail	Select the carrier failure standard used by your T1 service provider. This setting only appears for DTIs.
•• I/F levels	Interface levels defaults to the ISDN loss plan setting. Check with your telecommunications service provider to find out the I/F level of your connection: <ul style="list-style-type: none"> <li>• digital network loss treatment (ISDN I/F levels)</li> <li>• analog network loss treatment (PSTN I/F levels)</li> </ul>
•• Framing	Use to select the framing format used by your T1 service provider. This setting only appears for DTIs.
•• Internal CSU	Use to turn the internal T1 channel service on or off. The channel service unit gathers performance statistics for your T1 lines.
•• CSU line bld	Use to set the gain level of the transmitted signal. This setting only appears for DTIs that have their internal CSU turned on.
•• DSX1 bld	Use to set the distance between the ICS and an external channel service unit. This setting only appears for DTIs that have their internal CSU set to Off.
•• Line coding	Select the standard used by your T1 service provider for encoding signals on the T1 lines.
•• ClockSrc	Determine the type of clock source.
••• Loops	View the loops on a BRI Card.
••• Loop nnn	View the settings for a particular loop on a BRI Card.
•••• Type	View or change the loop type.
•••• Sampling	Select the sampling used by an S-loop.
•••• DN <sub>s</sub> on Loop	Assign the ISDN DN <sub>s</sub> that use this loop.
••••• Assign DN <sub>s</sub>	Enter ISDN DN <sub>s</sub> for each S-loop or LT loop.
••••• Show DN: _	Indicate whether or not the DN is assigned to a loop.
••••• Loop DN: _	Select the main ISDN DN, if any, for the loop.
••• SPID1	Enter the SPID supplied by your service provider.
••• # of B-channels	Select the number of B-channels that are associated with the SPID.
••• Network DN <sub>s</sub>	Enter the Network DN <sub>s</sub> that are associated with the SPID. A Network ISDN DN can be assigned to more than one SPID.
•••• Call type	Select the Call type used with the Network DN. For each ISDN DN, use only one of each of the Voice and Data call type settings, or a single Both call type setting.



••• D-packet service	Configure the D-packet service for this loop. Only one loop on each card can support D-channel packet service.
•••• D-packet service	Turn the D-packet service for this loop on or off.
•••• Lp001	Select the loop that supports the D-packet service: <ul style="list-style-type: none"> <li>• S-loop (for BRI-ST Card)</li> <li>• LT-loop (for BRI-U2 or BRI-U4 Card)</li> </ul>
••• TEIs	Add up to eight Terminal Endpoint Identifiers (TEIs). Each TEI is supplied by your service provider. A TEI is associated with an ISDN device.
•••• TEI	Enter the two-digit TEIs supplied by your service provider.
••• ClockSrc	Determine the type of clock source.
••• ONN blk	Determine if ONN blocking will be allowed for BRI loops.
••• SPID2	Enter the second SPID supplied by your service provider, if applicable.
• Cd2 on KSU	Select the type of card that occupies the second slot in the ICS. <b>Note:</b> The slots are numbered from left to right. <b>Version note:</b> If your system is using 4x8 software which has not been upgraded, this setting does not appear.
•• Mod 03 •• Mod 04 •• Mod 05 •• Mod 06 •• Mod 07 •• Mod 08	View and program the cards installed in the modules. Note: MICS-XC also has modules 9-14.
••• StnMod	Indicate that the module is a Station Module
••• ASM	Indicate that the module is an Analog Station Module
••• TrunkMod	Indicate that the module is a Trunk Module
••• DataMod	Indicate that the module is a datamodule: <ul style="list-style-type: none"> <li>• Norstar Integrated Data Module 200 (IDM 200)</li> <li>• BayStack</li> <li>• Synchronous Data Interface (SDI)</li> </ul>
•••• Type	Indicate the type of data module. You can change the type if no data module is currently attached to the expansion port.
•••• IP address	Indicate the IP address for a data module (BayStack only).
•••• Fixed access	Assign Fixed lines to supported data modules <ul style="list-style-type: none"> <li>• IDM 200</li> <li>• BayStack</li> <li>• SDI).</li> </ul>
•••• Switched access	Assign lines used for dial-up network access to the data module (BayStack only).
••••• Line assignment	Select fixed lines the data module (BayStack only) uses for switched access.
••••• Line pool access	Indicate line pool switched access for the data module (BayStack only).
•••• DataMod NVRAM	Use to reset the NVRAM of the IDM 200 data module to the factory defaults.

<b>••• Config</b>	Use to configure the settings for the SDI.
<b>•••• Ptl</b>	Select the physical interface used to connect the SDI to the networking equipment.
<b>•••• DS0 rate</b>	Select the transmission rate of the channels (Fixed lines) assigned to the SDI.
<b>•••• TxClk src</b>	Select whether data travelling through the SDI is synchronized using timing (clocking) from the SDI or the DTE.
<b>•••• TxClk invrsn</b>	Invert the signal used by the SDI to synchronize data from the DTE to adjust for round trip delays between the SDI and DTE.
<b>•••• Data invrsn</b>	Invert data travelling through the SDI before routing it to the T1 connection or DTE to allow the SDI to support HDLC/SDLC (a transmission standard for data) protocol.
<b>••• Lp state</b>	Show the direction of the loopback, if any, generated by the SDI.
<b>••• Fixed access</b>	Assign fixed lines to supported data modules: <ul style="list-style-type: none"> <li>• IDM 200</li> <li>• BayStack</li> <li>• SDI).</li> </ul>
<b>• Maintenance</b>	These commands allow you to make diagnostic checks on the system.
<b>• System version</b>	Record the system version shown on the display.
<b>• Port/DN status</b>	View the Port/DN status.
<b>• Module status</b>	View the Module status.
<b>• Sys test log</b>	View items in Sys test log.
<b>• Sys admin log</b>	View items in log.
<b>• Network evt log</b>	View the items in the Network Log. This log keeps a record of events and alarms involving the digital network interface.
<b>• Provisioning</b>	Place BRI loops in or out of service.
<b>• Tests</b>	Run and list any BERT-set tests.
<b>• CSU stats</b>	View the performance statistics for your T1 lines.
<b>• Diagnostic tools</b>	Diagnostic tools programming performed by experienced personnel.
<b>• Link Status</b>	
<b>• Usage metrics</b>	
<b>•• Hunt Groups</b>	Use to gather statistical information about Hunt group usage.
<b>•• Call-by-Call</b>	Use to gather statistical information about PRI CbC calls.



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