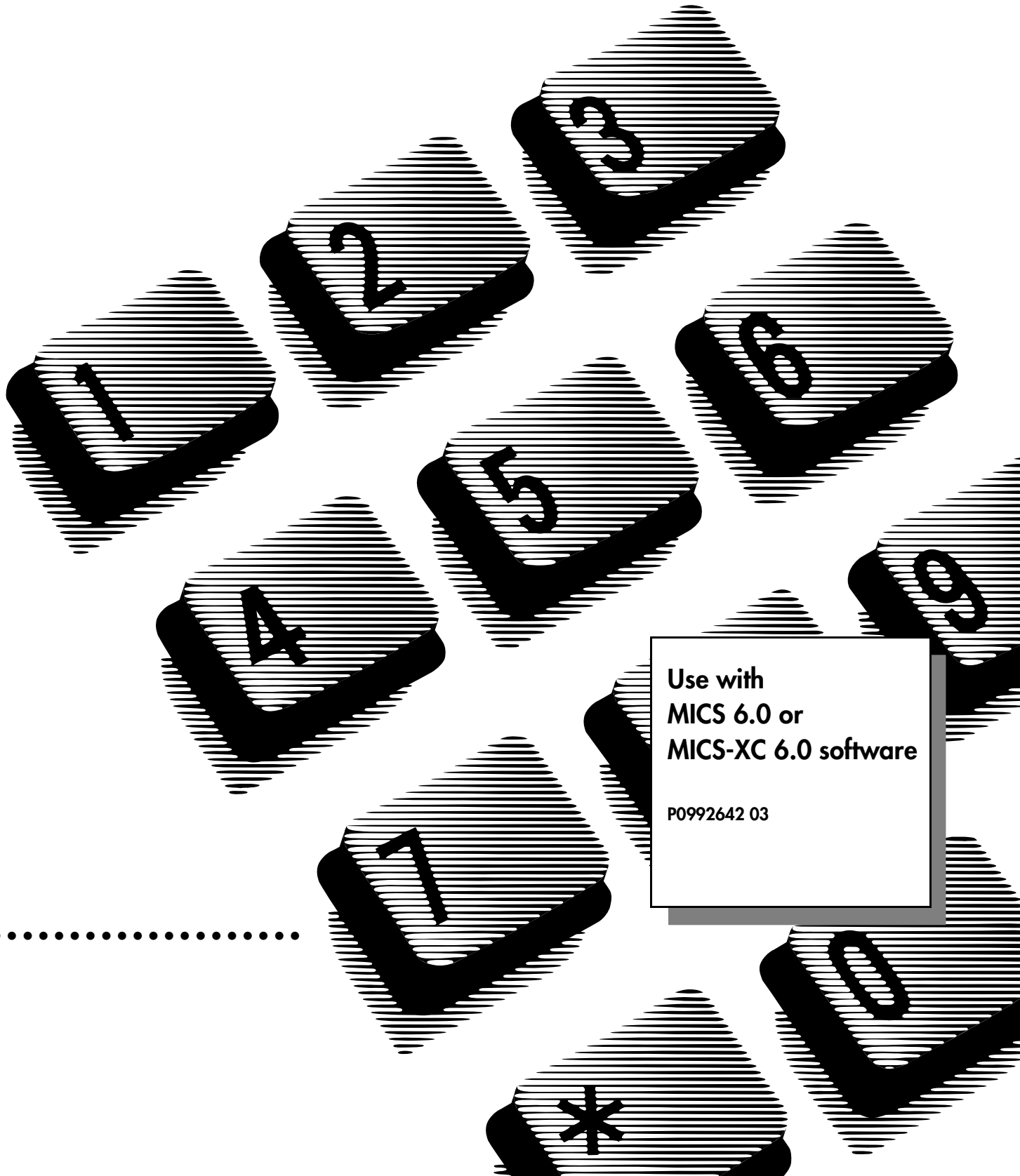


NORTEL NORSTAR

Modular ICS 6.0 Programming Record

(includes MICS-XC programming)



Use with
MICS 6.0 or
MICS-XC 6.0 software

P0992642 03

Telephone buttons


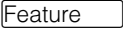



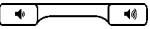


You can use the following types of telephones to program your MICs system:

M7310 or M7324 Norstar sets

T7316 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.

Business Series Terminals T7100, T7208, T7316, T7406	Button description	Norstar sets M7100, M7208, M7310, M7324
	Feature	
T7208 and T7316: Handsfree:  Mute: 		Handsfree/Mute
	Hold	
		Volume Control
	Release	

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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
Line access 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 Restrictions Line/set restrictions Set restrictions Set Lock Allow Last Number Redial Allow Saved Number Redial Allow Link Capabilities 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) Telco Features Call log set (<i>Logging set</i>) 1stDisplay	Line access Private line appearances Capabilities Set Name Telco features Log space Passwords Call log password CAP assignment Direct-dial set designation ExtraDial set designation Service mode ringing set designation Prime set designation for a line Hunt group appearances

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 module memory button assignments Ring volume User speed dial entries

Programming overview (Profiles 1 and 4)

Defaults are shown in bold and underlined

Profile	<u>PROF 1</u>
Dialpad	<u>Q, Z:0</u>
Startup	
Template	<u>Square</u>
Start DN	<u>221</u>
Terminals&Sets	
<i>Show set: _</i>	
Line access	
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>
(available pools: A, B, C or D)	
LinePool access	
LinePool PRI-A	<u>N</u>
Prime line	<u>IC</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>
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>Telephon</u>
Name	<u>221</u>
User preferences	
Model	<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>
Voice Path	<u>Handsfree</u>
Restrictions	
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>
Telco features	
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>
Lines			
<i>Show line: _</i>			
Trunk/Line data			
(If Target Line)			
Line type	<u>Public</u>		
Rec'd #	<u>None</u>		
PrimeSet	<u>221</u>		
Aux. ringer	<u>N</u>		
If busy	<u>PrimeSet</u>		
Distinct Ring	<u>None</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>		
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>		
Distinct Ring	<u>None</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>		
Distinct Ring	<u>None</u>		
(If T1 and E&M)			
Trunk Type	<u>E&M</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>		
Signal	<u>Winkstart</u>		
ANI number	<u>N</u>		
DNIS number	<u>N</u>		
Gain	<u>Normal</u>		
Distinct Ring	<u>None</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>		

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>
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>
Distinct Ring	<u>None</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 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	<u>Line001</u>
Restrictions	
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>
Telco features	
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	Assigned
222	Unassign
Sched: Night	
Service	Off
Trunk answer	Y
ExtraDial	221
Line settings	
<i>Show line: _</i>	
Ring grp	001
Aux. ringer	N
Sched: Evening	
Sched: Lunch	
Sched: Sched 4	
Sched: Sched 5	
Sched: Sched 6	

Restrtn service

Sched: Night	
Service	Off
Overflow	N
Sched: Evening	
Sched: Lunch	
Sched: Sched 4	
Sched: Sched 5	
Sched: Sched 6	

Routing service

Routes	
<i>Show route: _</i>	
DialOut	no numbr
Use: PoolA..., Pool O, PRI-A - PRI-D (If PRI-A, B, C, or D)	
Srvctype:	Public
(If service type is Tie, FX, OUTWATS, requires service id)	
Service id:	<valid service id #>
(If Protocol is SL-1 or Tie service type)	
DN type:	Public
Dest codes	
<i>Show DstCode: _</i>	
DstCode:	
Sched: Normal	000
Digit absorb	All
Sched: Night	None
Sched: Evening	None
Sched: Lunch	None
Sched: Sched 4	None
Sched: Sched 5	None
Sched: Sched 6	None
Sched: Night	

Service	Off
Overflow	Off
Sched: Evening	
Sched: Lunch	
Sched: Sched 4	
Sched: Sched 5	
Sched: Sched 6	

Common settings

Control sets	
For lines	
<i>Show line: _</i>	
L001	221
For sets	
<i>Show set: _</i>	
221	221
Schedule names	
Sched 1	Night
Sched 2	Evening
Sched 3	Lunch
Sched 4	Sched 4
Sched 5	Sched 5
Sched 6	Sched 6

Schedule times	
Monday	
Sched: Night	
Start time	23:00
Stop time	07:00
Sched: Evening	
Start time	17:00
Stop time	23:00
Sched: Lunch	
Start time	12:00
Stop time	13:00
Sched: Sched 4	
Start time	00:00
Stop time	00:00
Sched: Sched 5	
Start time	00:00
Stop time	00:00
Sched: Sched 6	
Start time	00:00
Stop time	00:00

Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	

Sys speed dial

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

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	None
User fit	None
Line fit	None
Remote pkg	None

Call log pswds

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

Progrming pswds

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

Hospitality

Desk pswd	4677
(HOSP)	
Cond pswd	None

Time&Date

Hour	01
------	-----------

Minutes	00
---------	-----------

Year	02
------	-----------

Month	01
-------	-----------

Day	01
-----	-----------

System prgrming

Hunt groups

<i>Show group: _</i>	
HGnn:<DN>	
Member DNs	
M001:	Appr&Ring
Line assignment	
<i>Show line: _</i>	
Lnnn:	Unassigned
Mode:	Broadcast
Hunt delay:	4
If busy:	BusyTone
Timeout:	60

Overflow:	<DN> or
	<hunt group DN>
Name:	<7 characters>
Distinct Ring	None

Change DNs

<i>Old DN: _</i>	Max. 7 digits
<i>New DN: _</i>	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
SWCA Cntrl	
Auto Associate	N
Invoke by Hold	N
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
Clid match	8

Direct-dial

D-Dial 1	Intrnl
Use prime line	

CAP assignment

CAP1	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

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

Defaults are shown in **bold and underlined**

Public network	
Pub DN lengths	
Show prefix:	
Prfx:Deflt	
DN length	<u>7</u>
Dial timeout	
Dial timeout	<u>4</u>
Access codes	
<hr/>	
Line pool codes	
Line pool A	<u>9</u>
Park prefix	<u>1</u>
Extrnl code	<u>None</u>
Direct-dial	<u>0</u>
Auto DN	<u>None</u>
DISA DN	<u>None</u>
PrivAccCode	<u>None</u>
Carrier Codes	
Prfx:	<u>10</u>
ID length:	<u>3</u>
Prfx:	<u>101</u>

Remote access

Rem access pkgs	
<i>Show pkg: _</i>	
00	
LinePool access	
PRI-A (A-D)	<u>N</u>
Pool A (9)	<u>N</u>
Pool B (B-O) ()	<u>N</u>
Remote page	<u>N</u>
01	<u>N</u>
LinePool access	
PRI-A (A-D)	<u>N</u>
Pool A (9)	<u>Y</u>
Pool B (B-O) ()	<u>N</u>
Remote page	<u>N</u>
Rem line access	
<i>Show line: _</i>	
L001 Rem pkg	<u>00</u>
Rec'd # length	
	<u>3</u>
DN length	
	<u>3</u>
Nat'nl length (Profile 2, only)	

BusName

None

CbC limits (NI-2 protocol only)

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

Release reasons

Text: None

Hospitality

Room/desk info	
<i>Show set: _</i>	
Room #: _	
Adm pwd req'd:	<u>Y</u>
Call restrns	
Vacant:	<u>00</u>
Use ftt: _	
Basic:	<u>00</u>
Mid:	<u>00</u>
Full:	<u>00</u>
Service time	
Hour:	<u>00</u>
Minutes:	<u>00</u>
Alarm	
Attn attempts:	<u>3</u>
Retry intrvl:	<u>4</u>
Attn duration:	<u>15</u>
Time format	<u>12hr</u>
Expired Alarms	
Notify set:	<u>Y</u>
Use Tone:	<u>Y</u>

Network Services

<i>(SL-1 MCDN only)</i>	
MCDN	
NetwklCCL	<u>N</u>
TRO	<u>Y</u>
TAT	<u>N</u>

Telco features

VMsg ctr tel#s

VMsg center 1	
<i>Use: Linelrouting tbl</i>	
Tel#:	<u>no number</u>
VMsg center 2	
VMsg center 3	
VMsg center 4	
VMsg center 5	

ONN blocking

Analog VSC	
Tone	<u>None</u>
Pulse	<u>None</u>
BRI VSC	
Code	<u>None</u>

Software keys

(Used to activate ISDN PRI and fixed access trunks/WAN access for Data Modules)

SysID (8 digits)

Password keys

Key 1 (8 digits)

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

Hardware

<i>Show Module: _</i>	
Cards on KSU	
Cd1-KSU	
Card type	<u>Loop</u>
Lines	<u>Loop</u>
Discon timer	<u>460</u>
<i>(If T1 card)</i>	
Card type	<u>T1</u>
Lines	
Discon timer	<u>460</u>
Answer timer	<u>2</u>
CO fail	<u>T1A-547A</u>
I/F levels	<u>ISDN</u>
Framing	<u>ESF</u>
Internal CSU	<u>On</u>
CSU line bld	<u>0</u>
DSX1 bld	<u>000-100</u>
Line coding	<u>B8ZS</u>
Clock Src	<u>Primary</u>
<i>(If PRI card)</i>	
Card type:	<u>PRI</u>
Lines	
<i>(If protocol is for MCDN)</i>	
Protocol	<u>SL1</u>
PrivNetID	<u>1</u>
Type	<u>Slave</u>
BchanSeq	<u>Descend</u>
ClockSrc	<u>Primary</u>
Max transits	<u>31</u>
<i>(If more than one Protocol)</i>	
Protocol	<u>NI-2</u>
PrivNetID	<u>30</u>
BchanSeq	<u>Descend</u>
CbC Routing	
<i>(If Protocol is DMS-100)</i>	
CbC values	
FX	<u>None</u>
800	<u>None</u>
<i>(If Protocol is NI-2)</i>	
CbC values	
FX	<u>None</u>
800	<u>None</u>
<i>(If Protocol is DMS-250)</i>	
CbC values	
FX	<u>None</u>
800	<u>None</u>
900	<u>None</u>
<i>(If Protocol is AT&T-4ESS)</i>	
CbC values	
FX	<u>None</u>
800	<u>None</u>
1800	<u>None</u>
900	<u>None</u>
SDS	<u>None</u>
CO fail	<u>T1A-547A</u>

I/F levels:	<u>ISDN</u>
Framing	<u>ESF</u>
Internal CSU	<u>On</u>
CSU line bld	<u>0</u>
Line coding	<u>B8ZS</u>
Clock Src	<u>Primary</u>
<i>(If DID card)</i>	
Card type	<u>DID</u>
Lines	
<i>(If E&M card)</i>	
Card type	<u>E&M</u>
Lines	
Answer timer	<u>2</u>
<i>(If BRI card)</i>	
Card type	
Loops	
Loop aaa	
Type	<u>I</u>
Protocol	
Sampling	<u>Fixed</u>
<i>(For Sand LT)</i>	
Assign DN	
<i>Show DN: _</i>	<u>Availabl</u>
Loop DN: _	<u>None</u>
<i>(For T & NT)</i>	
SPIDn	
# of B-channls	<u>1</u>
Network DNs	
DN1	
Call type	<u>Both</u>
D-packet service	
D-packet servc	
LPnnn	<u>None</u>
TEIs	
TEI	
Clock Src	<u>Primary</u>
ONN blk	<u>SuprsBit</u>
<i>DataMod settings for Profile 1 only</i>	
<i>(If DataMod=IDM 200)</i>	
Type	<u>IDM 200</u>
Fixed access	
Show line: _	
L001:	<u>Unassigned</u>
L001:	<u>Channel:xx</u>
DataMod NVRAM	
<i>(If DataMod=BayStack)</i>	
Type	<u>BayStack</u>
IP address	
Fixed access	
Show line: _	
L001:	<u>Unassigned</u>
L001:	<u>Channel:xx</u>
Switched access	
Line assignment	
Show line: _	
L001:	<u>Unassigned</u>
LinePool access	
LinePool PRI-A:	<u>N</u>
L001:	<u>Unassigned</u>
<i>(If DataMod=SDI)</i>	
Type	<u>SDI</u>
Config	
PI	<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	

Programming overview (Profiles 2 and 3)

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

Show line:_	
L001:	Unassigned
L001:	Channel:xx
Lp state	None
Lpbk	Off
Cd2-KSU	Loop
Mod 03 to 08	StnMod

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

Start DN 221

Terminals&Sets

Show set:_

Line access

Line assignment	
Show line:_	
(If it is a Non-DID line)	
L001	Unassigned
(If it is a DID line)	
L001	1
LinePool access	
LinePool A	Y
Prime line	1/C
Intercom keys	2
Answer DNS	
Show set:_	
222	Unassigned
OLI#	None

Capabilities

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

ATA ans timer	7
ATA use	Off site
MsgIndicate	None
ATA dvc	Telephon

Name 221

User preferences

Model	M7208
Button prgrming	
User speed dial	(256-279)
Call log opt'ns	No one answered
Dialing opt'ns	Standard dial
Language	English
Display cntrst	4
Ring type	1
Voice Path	Handsfree

Restrictions

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

Telco features

Feature Assignment	
Show line:_	
Caller ID set	N
Extr VMsg set	N
1st Display	Name
Called ID	N
Log space	
Log 0	Pool 600

Lines

Show line:_

Trunk/Line data

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

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

Defaults are shown in **bold and underlined**

(If T1 and DID) Profile 3 only

Trunk Type	DID
Line type	Pool A
Dial mode	Tone
PrimeSet	221
Ans mode	Manual
Ans with DISA	Y
Link at CO	N
Aux. ringer	N
Signal	Winkstart
ANI number	N
DNIS number	N
Gain	Normal
Distinct Ring	None
(If BRI-2 or BRI-ST)	
Trunk Type	BRI-ST
Line type	Pool A
PrimeSet	221
Auto privacy	Y
Ans mode	Manual
Ans with DISA	Y
Aux. ringer	N
Full AutoHold	N
Distinct Ring	None

Name **Line001**

Restrictions

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

Telco features

VMsg center	1
-------------	----------

Services

Ringing service

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

Restrtn service

Sched:Night	
Service	Off
Overflow	N
Sched:Evening	
Sched:Lunch	
Sched:Sched 4	
Sched:Sched 5	
Sched:Sched 6	

Routing service

Routes	
<i>Show route: _</i>	
DialOut	no number
Use: PoolA..., Pool O,	
Dest codes	
<i>Show DstCode: _</i>	
DstCode:	
Normal	000
Digit absorb	All
Night	None
Digit absorb	All
Sched:Night	
Service	Off
Overflow	Off
Sched:Evening	
Sched:Lunch	
Sched:Sched 4	
Sched:Sched 5	
Sched:Sched 6	

Common settings

Control sets	
For lines	
<i>Show line: _</i>	
L001	221
For sets	
<i>Show set: _</i>	
221	221

Schedule names

Sched 1	Night
Sched 2	Evening
Sched 3	Lunch
Sched 4	Sched 4
Sched 5	Sched 5
Sched 6	Sched 6

Schedule times

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

Sys speed dial

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

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

Passwords

COS pswws

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

Call log pswws

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

Progmrng pswws

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

Hospitality

Desk pswd	4677
(HOSP)	
Cond pswd	None

Time&Date

Hour **01**

Minutes **00**

Year **02**

Month **01**

Day **01**

System prgmrng

Hunt groups

Show group: _	
HGnn:<DN>	
Member DNs	
M001:	Appr&Ring
Line assignment	
<i>Show line: _</i>	
Lnnn:	Unassigned
Mode:	Broadcast
Hunt delay:	4
If busy:	BusyTone
Timeout:	60
Overflow:	<DN> or
<hunt group DN>	
Name:	<7 characters>
Distinct Ring	None

Change DNs

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

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

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

Trnsfr callbk	<u>4</u>	ID length:	<u>3</u>
DRT to prime	<u>Y</u>	Prfx:	<u>101</u>
DRT delay	<u>4</u>	Remote access	
Held reminder	<u>N</u>	Rem access pkgs	
Remind delay	<u>60</u>	Show pkg: _	
Directd pickup	<u>Y</u>	00	
Page tone	<u>Y</u>	LinePool access	
Page Timeout	<u>180</u>	PRI-A (A-D) (profile 2)	<u>N</u>
Daylight time	<u>Y</u>	Pool A (9)	<u>N</u>
AutoTime&Date	<u>Y</u>	Pool B (B-O) ()	<u>N</u>
SWCA Cntrl		Remote page	<u>N</u>
Auto Associate	<u>N</u>	01	<u>N</u>
Invoke by Hold	<u>N</u>	LinePool access	
Call log space		PRI-A (A-D) (profile 2)	<u>N</u>
Reset all logs?		Pool A (9)	<u>Y</u>
Space/log		Pool B (B-O) ()	<u>N</u>
Host delay	<u>1000</u>	Remote page	<u>N</u>
Link time	<u>600</u>	Rem line access	
AlarmSet	<u>221</u>	Show line: _	
Set relocation	<u>N</u>	L001 Rem pkg	<u>00</u>
Msg Reply enh	<u>N</u>	Rec'd # length	
Anskey:	<u>Basic</u>		<u>3</u>
Clid match	<u>8</u>	DN length	
			<u>3</u>
		Nat'nl length	
			<u>10</u>

Direct-dial

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

CAP assignment

CAP1	<u>None</u>
------	-------------

Dialing Plan

Private network	
Type	<u>None</u>
Priv DN len	<u>3</u>
Type	<u>CDP</u>
PrivNetId	<u>1</u>
Priv DN len	<u>3</u>
Type	<u>UDP</u>
PrivNetId	<u>3</u>
Loc code	<u>None</u>
Priv DN len	<u>4</u>
Public network	
Pub DN lengths	
Show prefix:	
Prfx:Deflt	
DN length	<u>7</u>
Dial time out	

Access codes

Line pool codes	
Line pool A	<u>9</u>
Park prefix	<u>1</u>
Extrnl code	<u>None</u>
Direct-dial	<u>0</u>
Auto DN	<u>None</u>
DISA DN	<u>None</u>
PrivAccCode	<u>None</u>
Carrier Codes	
Prfx:	<u>10</u>

ID length:	<u>3</u>
Prfx:	<u>101</u>

Remote access

Rem access pkgs

Show pkg: _

00	
LinePool access	
PRI-A (A-D) (profile 2)	<u>N</u>
Pool A (9)	<u>N</u>
Pool B (B-O) ()	<u>N</u>
Remote page	<u>N</u>
01	<u>N</u>
LinePool access	
PRI-A (A-D) (profile 2)	<u>N</u>
Pool A (9)	<u>Y</u>
Pool B (B-O) ()	<u>N</u>
Remote page	<u>N</u>

Rem line access

Show line: _

L001 Rem pkg	<u>00</u>
--------------	-----------

Rec'd # length

DN length	<u>3</u>
------------------	----------

Nat'nl length	<u>10</u>
----------------------	-----------

MK/BR	<u>40 / 60</u>
--------------	----------------

BusName	<u>None</u>
----------------	-------------

Release reasons

Text:	<u>None</u>
-------	-------------

Hospitality

Room/desk info

Show set: _

Room #:	<u>_</u>
Adm pwd req'd:	<u>Y</u>

Call restrns

Vacant:	<u>00</u>
Use flt: _	
Basic:	<u>00</u>
Mid:	<u>00</u>
Full:	<u>00</u>

Service time

Hour:	<u>00</u>
Minutes:	<u>00</u>

Alarm

Attn attempts:	<u>3</u>
Retry intrvl:	<u>4</u>
Attn duration:	<u>15</u>
Time format	<u>12hr</u>
Expired Alarms	
Notify set:	
Use Tone:	<u>Y</u>

Network Services

ETSI Profile 2 only	
Netwrk Redirect	<u>N</u>
MCID	<u>N</u>
MCDN (ETSI)	
(SL-1 MCDN only)	
NetwkICCL	<u>N</u>
TRO	<u>Y</u>
TAT	<u>N</u>

Telco features

VMsg ctr tel#s

VMsg center 1

Use: LineRouting 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

(Not used with Profiles 2 and 3)

Hardware

Show Module: _

Cards on KSU

Cd1-KSU Loop

Card type Loop

Lines

Discon timer 460

(If ETSI PRI card no MCDN) Profile 2 only

Card type: PRI

Lines

Protocol Euro

ClockSrc Primary

Ovlap rcvng N

(If ETSI PRI card with MCDN) Profile 2 only

Card type: PRI

Lines

Protocol SL1

PrivNetID 1

Type Slave

BchanSeq Descend

ClockSrc Primary

Max transits 31

(If PRI protocol is for MCDN) Profile 3 only

Protocol SL1

PrivNetID 1

Type Slave

BchanSeq Descend

ClockSrc Primary

Max transits 31

(If T1 card) Profile 3 only

Card type T1

Lines

Discon timer 460

Answer timer 2

CO fail T1A-547A

I/F levels ISDN

Framing ESF

Internal CSU On

CSU line bld 0

DSX1 bld 000-100

Line coding B8ZS

Clock Src Primary

(If DID card) Profile 3 only

Card type DID

Lines

(If E&M card) Profile 3 only

Card type E&M

Lines

Answer timer 2

(If BRI-2 or BRI-ST card)

Card type BRI-ST

Loops

Loop aaa

(For T type)

Clock Src Primary

ONN blk SuprsBit

Ovlap rcvng N

Public digit length 8

(For S type)

Sampling Adaptive

Assign DN's

Show DN: _ Availabl

Loop DN: _ None

Cd2-KSU Loop

Mod 03-08 (MICS) StnMod

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

Programming overview MICS-XC (Companion)

Defaults are shown in bold and underlined

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	Unassigned
(If it is a DID line)	
L001	1
(If PRI)	
L001:	PRI-A
LinePool access	
LinePool PRI-A	N
Prime line	I/C
Intercom keys	2
Answer DNs	
Show set: _	
222	Unassigned
OLI#	None
OLI as calld #	N

Capabilities

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

Intrusion	
Protect Lvl	None
ATA settings	
ATA ans timer	Z
ATA use	Off site
MsgIndicate	None
ATA dvc	Telephone

Name	221
-------------	------------

User preferences

Model	M7208
Button prgrming	
User speed dial	(256-279)
Call log opt'ns	
	No one answered
Dialing opt'ns	
	Standard dial
Language	English
Display cntrst	4
Ring type	1
Voice Path	Handsfree

Restrictions

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

Telco features

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

Lines

Show line: _

Trunk/Line data

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

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

Name	Line001
-------------	----------------

Restrictions

Restrtn filters	
Show filter: _	
Restrtn flt 00	No restrictions
Restrtn flt 01	
Restrtn 01	
Deny	0
No overrides	

Line restrns	
Normal	03
Night	21
Evening	22
Lunch	23
Sched 4	00
Sched 5	00
Sched 6	00
Remote restrns	
Normal	04
Night	31
Evening	32
Lunch	33
Sched 4	00
Sched 5	00
Sched 6	00

Telco features

VMsg center	1
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Programming overview MICS-XC (Companion) 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	Assigned
222	Unassign
Sched: Night	
Service	Off
Trunk answer	Y
ExtraDial	221
Line settings	
<i>Show line: _</i>	
Ring grp	001
Aux. ringer	N
Sched: Evening	
Sched: Lunch	
Sched: Sched 4	
Sched: Sched 5	
Sched: Sched 6	

Restrtn service

Sched: Night	
Service	Off
Overflow	N
Sched: Evening	
Sched: Lunch	
Sched: Sched 4	
Sched: Sched 5	
Sched: Sched 6	

Routing service

Routes	
<i>Show route: _</i>	
DialOut	no numbr
Use: PoolA..., Pool O, PRI-A - PRI-D (If PRI-A, B, C, or D)	
Srvctype:	Public
(If service type is Tie, FX, OUTWATS, requires service id)	
Service id:	
<valid service id #>	None
(If Protocol is SL-1 or Tie service type)	
DN type:	Public
Dest codes	
<i>Show DstCode: _</i>	
DstCode:	
Normal	000
Digit absorb	All
Night	None
Digit absorb	All
Sched: Night	
Service	Off
Overflow	Off
Sched: Evening	
Sched: Lunch	

Sched: Sched 4
Sched: Sched 5
Sched: Sched 6

Common settings

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

Sys speed dial

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

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	None
User flt	None
Line flt	None
Remote pkg	None

Call log pswds

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

Progming pswds

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

Reg. pswd

(MICS-XC-0117) **72346**

Hospitality

Desk pswd	4677
(HOSP)	
Cond pswd	None

Time&Date

Hour	01
Minutes	00
Year	02
Month	01
Day	01

System prgming

Hunt groups

<i>Show group: _</i>	
HGnn:<DN>	
Member DNs	
M001:	Appr&Ring
Line assignment	
<i>Show line: _</i>	
Lnnn:	Unassigned
Mode:	Broadcast
Hunt delay:	4
If busy:	BusyTone
Timeout:	60
Overflow:	<DN> or <hunt group DN>
Name:	<7 characters>

Distinct Ring **None**

Change DNs

<i>Old DN: _</i>	Max. 7 digits
<i>New DN: _</i>	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 Cntrl	
Auto Associate	N
Invoke by Hold	N
CLID Match	8

Direct-dial

D-Dial 1	Intrnl
Use prime line	

CAP assignment

CAP1	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:	

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

Defaults are shown in **bold and underlined**

Prfx:Deflt		Cell rad nghbrs		VMsg center 4		(If Protocol is DMS-100)
DN length	<u>7</u>	ShowRadNghbr: <u>Unassigned</u>		VMsg center 5		CbC values
Dial timeout		System LID: <u>Rec'd # length 3</u>		ONN blocking		FX
Dial timeout	<u>4</u>					800
						<u>None</u>
						<u>None</u>
Access codes		DN length	<u>3</u>	Analog VSC		(If Protocol is NI-2)
Line pool codes		BusName	<u>None</u>	Tone	<u>None</u>	CbC values
Line pool A	<u>9</u>			Pulse	<u>None</u>	FX
Park prefix	<u>1</u>			BRI VSC		800
Extrnl code	<u>None</u>	CbC limits		Code	<u>None</u>	<u>None</u>
Direct-dial	<u>0</u>	Pool PRI-A				(If Protocol is DMS-250)
Auto DN	<u>None</u>	Service: <u>Public</u>				CbC values
DISA DN	<u>None</u>	Min in				FX
PrivAccCode	<u>None</u>	Max in				800
Carrier Codes		Min out				<u>None</u>
Prfx:	<u>10</u>	Max out				(If Protocol is AT&T-4ESS)
ID length:	<u>3</u>	Service: <u>Tie</u>				CbC values
Prfx:	<u>101</u>	Service: <u>FX</u>				FX
		Service: <u>OUTWATS</u>				800
		Service: <u>800</u>				<u>None</u>
		Pool PRI-B				900
						<u>None</u>
Remote access						SDS
Rem access pkgs		Release reasons		Software keys		<u>None</u>
Show pkg:_		Text:	<u>None</u>	(Used to activate ISDN PRI and fixed access trunks/WAN access for Data Modules) (MICS-XC: also activates Companion features.)		CO fail
00		Hospitality				I/F levels:
LinePool access		Room/desk info				Framing
PRI-A (A-D)	<u>N</u>	Show set:_				Internal CSU
Pool A (9)	<u>N</u>	Room #:_				CSU line bld
Pool B (B-O) ()	<u>N</u>	Adm pwd req'd:	<u>Y</u>			Line coding
Remote page	<u>N</u>	Call restrns				Clock Src
01	<u>N</u>	Vacant:	<u>00</u>			(If DID card)
LinePool access		Use flt:_				Card type
PRI-A (A-D)	<u>N</u>	Basic:	<u>00</u>			Lines
Pool A (9)	<u>Y</u>	Mid:	<u>00</u>			(If E&M card)
Pool B (B-O) ()	<u>N</u>	Full:	<u>00</u>			Card type
Remote page	<u>N</u>	Service time				Lines
Rem line access		Hour:	<u>00</u>			Answer timer
Show line:_		Minutes:	<u>00</u>			<u>2</u>
L001 Rem pkg	<u>00</u>	Alarm				(If BRI card)
		Attn attempts:	<u>3</u>			Card type
		Retry intrvl:	<u>4</u>			Loops
		Attn duration:	<u>15</u>			Loop aaa
		Time format	<u>12hr</u>			Type
		Expired Alarms				Protocol
		Notify set:				Sampling
		Use Tone:	<u>Y</u>			(For S and LT)
						Assign DN:
						Show DN:_
						Loop DN:_
						<u>None</u>
						(For T & NT)
						SPIDn
						# of B-channls
						<u>1</u>
						Network DNs
						DN1
						Call type
						<u>Both</u>
						D-packet service
						D-packet servc
						LPnnn
						<u>None</u>
						TEIs
						TEI
						Clock Src
						<u>Primary</u>
						ONN blk
						<u>SuprsBit</u>
						DataMod settings for Profile 1 only
						(If DataMod=IDM 200)
						Type
						<u>IDM 200</u>
						Fixed access
						Show line:_
						L001:
						<u>Unassigned</u>
						L001:
						<u>Channel:xx</u>

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

Defaults are shown in **bold and underlined**

DataMod NVRAM
 (If DataMod=BayStack)
 Type **BayStack**
 IP address
 Fixed access
 Show line:_
 L001: **Unassigned**
 L001: **Channel:xx**
 Switched access
 Line assignment
 Show line:_
 L001: **Unassigned**
 LinePool access
 LinePool PRI-A: **N**
 L001: **Unassigned**
 Dial-in: **None**
 (MICS-XC only)

(If DataMod=SDI)
 Type **SDI**
 Config
 Ptl **V.35**
 DS0 rate **64k**
 TxClk src **Auto**
 TxClk invrsn **Off**
 Data invrsn **Off**
 Fixed access
 Show line:_
 L001: **Unassigned**
 L001: **Channel:xx**
 Lp state **None**
 Lpbk **Off**
 Cd2-KSU **Loop**
 Mod 03 to 08 **StnMod**

Usage Metrics

Hunt groups

Call-by-Call

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

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
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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

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

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Initial settings

Profile

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

Dialpad

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

Startup

Template	<u>Square</u> Centrex Hybrid PBX DID
Start DN	221 _____

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Capabilities

(Terminals&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	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>
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

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Name

(Terminals&Sets: Name)

Name (max. 7 char.)	221	221	221	221	221	221	221
---------------------	-----	-----	-----	-----	-----	-----	-----

User preferences

(Terminals&Sets: User preferences)

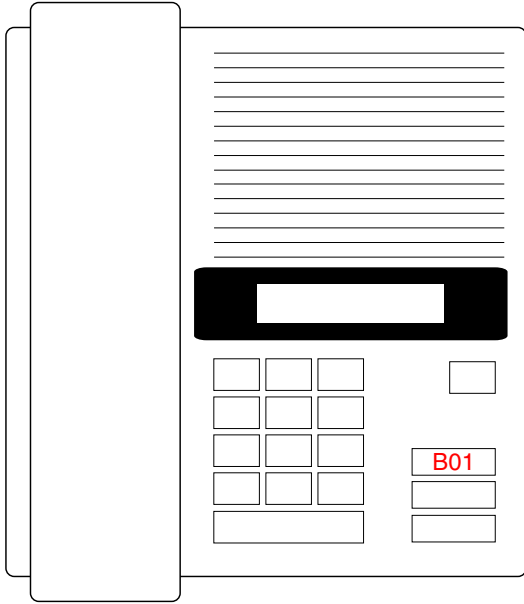
Model	M7324 M7310 (T7316) M7208 (T7208) M7100 (T7100) Other: CAP ATA Intl set Companion	M7324 M7310 (T7316) M7208 (T7208) M7100 (T7100) Other: CAP ATA Intl set Companion	M7324 M7310 (T7316) M7208 (T7208) M7100 (T7100) Other: CAP ATA Intl set Companion	M7324 M7310 (T7316) M7208 (T7208) M7100 (T7100) Other: CAP ATA Intl set Companion	M7324 M7310 (T7316) M7208 (T7208) M7100 (T7100) Other: CAP ATA Intl set Companion	M7324 M7310 (T7316) M7208 (T7208) M7100 (T7100) Other: CAP ATA Intl set Companion	M7324 M7310 (T7316) M7208 (T7208) M7100 (T7100) Other: CAP 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 31.						
Call log opt'ns	Log all calls... No autolog- ging... No one answerd... Unanswerd by me...	Log all calls... No autolog- ging... No one answerd... Unanswerd by me...	Log all calls... No autolog- ging... No one answerd... Unanswerd by me...	Log all calls... No autolog- ging... No one answerd... Unanswerd by me...	Log all calls... No autolog- ging... No one answerd... Unanswerd by me...	Log all calls... No autolog- ging... No one answerd... Unanswerd by me...	Log all calls... No autolog- ging... No one answerd... Unanswerd by me...
Dialing opt'ns	Standard dial Pre-dial Automatic dial	Standard dial Pre-dial Automatic dial	Standard dial Pre-dial Automatic dial	Standard dial Pre-dial Automatic dial	Standard dial Pre-dial Automatic dial	Standard dial Pre-dial Automatic dial	Standard dial Pre-dial Automatic dial
(Profiles 1, 3 and 4) Language Langue Idioma	English Français Español	English Français Español	English Français Español	English Français Español	English Français Español	English Français Español	English Français Español
(Profile 2 only) Language Langue Idioma	English Français Español Turkish	English Français Español Turkish	English Français Español Turkish	English Français Español Turkish	English Français Español Turkish	English Français Español Turkish	English Français Español Turkish
Display cntrst	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9
Ring type	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4
Voice Path	Handsfree Headset	Handsfree Headset	Handsfree Headset	Handsfree Headset	Handsfree Headset	Handsfree Headset	Handsfree Headset

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Button prgrming

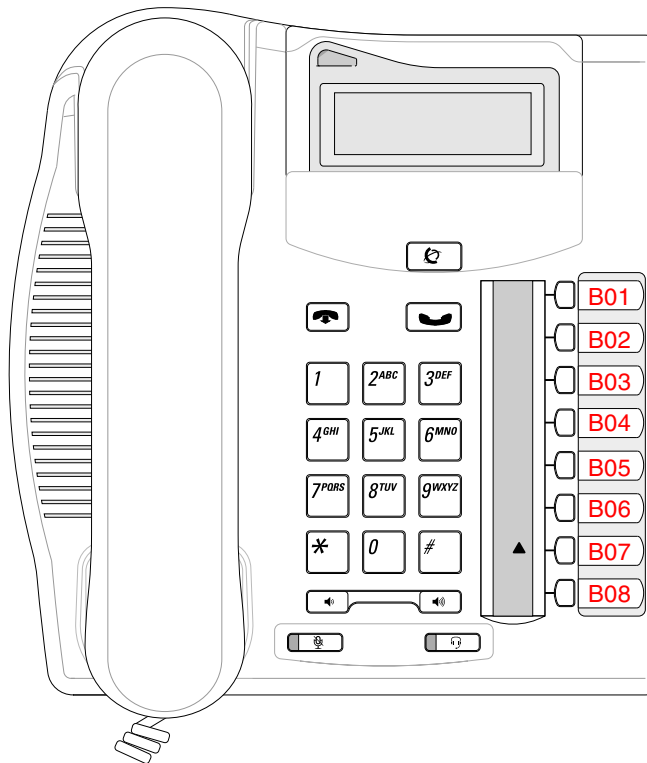
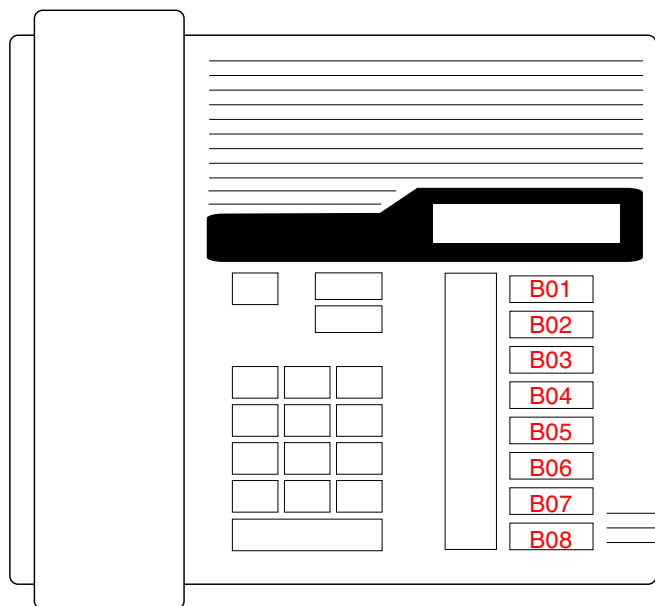
Enter the button programming information for each telephone in the appropriate table.

Model M7100/T7100 Button Programming



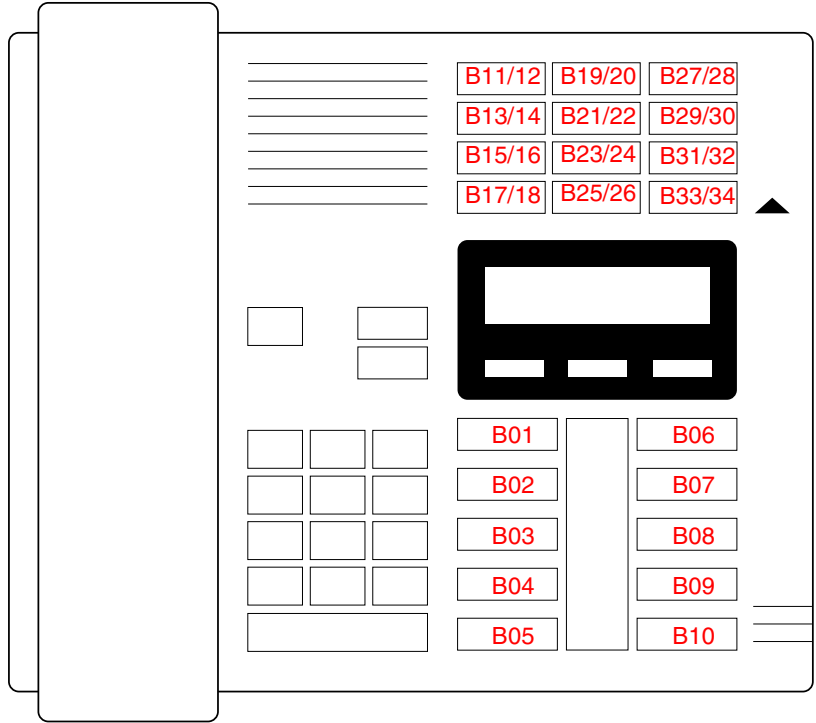
M7100/T7100	Prgmrng	All defaults
B01		Last No.

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.				
B04		Page	Link	Page	Page	Page
B05		Conf/Trans				
B06		Speed Dial				
B07		Intercom				
B08		Intercom				

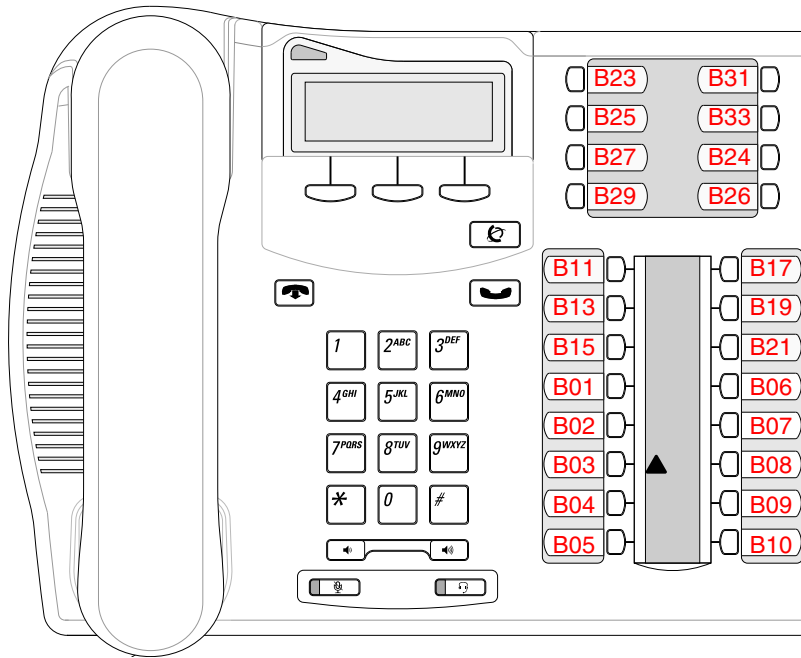
Model M7310 Button Programming



M7310	Pgrming	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				

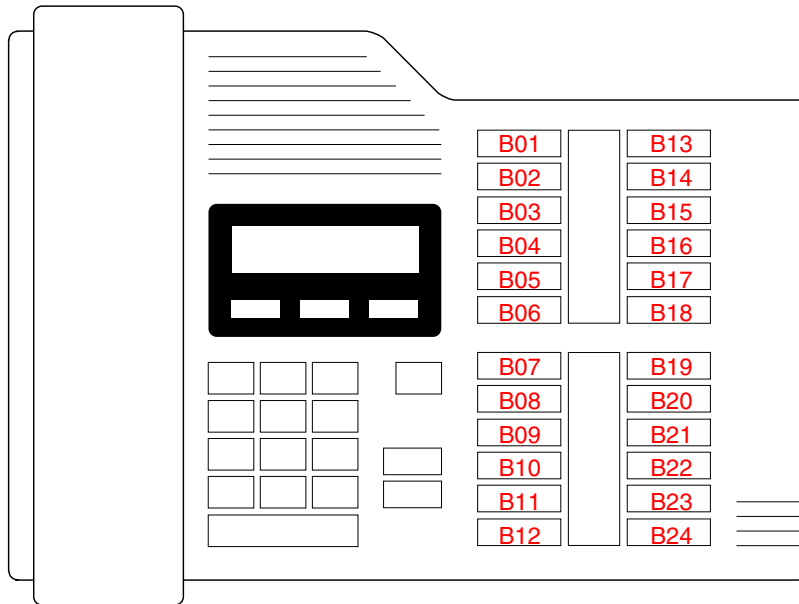
M7310	Pgrming	Square	Centrex	Hybrid	PBX	DID
B22 (shift)		Set 238				
B23		Set 227				
B24 (shift)		Set 239				
B25		Set 228				
B26 (shift)		Set 240				
B27		Set 229				
B28 (shift)		Set 241				
B29		Set 230				
B30 (shift)		Set 242				
B31		Set 231				
B32 (shift)		Set 243				
B33		Set 232				
B34 (shift)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

Model T7316 Button Programming



T7316	Pgrming	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				
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 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 Grnrl				
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
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

CAP	Prgming	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 N	Y N	Y N	Y N	Y N	Y N	Y N
Extl VMsg set	Line#: Y N	Line#: Y N	Line#: Y N	Line#: Y N	Line#: Y N	Line#: Y N	Line#: Y N

1stDisplay

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

	Name Numbr Line	Name Numbr Line	Name Numbr Line	Name Numbr Line	Name Numbr Line	Name Numbr Line	Name Numbr Line
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Called ID

(Terminals&Sets;Telco features;Called ID)

	YN	YN	YN	YN	YN	YN	YN
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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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Photocopy pages before using.

Lines

Trunk/Line Data

(Lines; Trunk/Line Data)

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

If Target Line

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

If T1 and Groundstart

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

If T1 and Loopstart

(Digital and Analog)

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

If T1 and E&M

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

If T1 and DID

(Profiles 1, 3 and 4 only)

Line no. (3 digits)				
Telephone number				
Trunk type	DID	DID	DID	DID
Line type	Public Private to: _____ Pool _____	Public Private to: _____ Pool _____	Public Private to: _____ Pool _____	Public Private to: _____ Pool _____
Dial mode	Pulse Tone	Pulse Tone	Pulse Tone	Pulse Tone
PrimeSet	221 None	221 None	221 None	221 None
Ans mode (Only if analog DID)	Manual Auto	Manual Auto	Manual Auto	Manual Auto
Ans with DISA (Only if Ans mode is Auto)	Y N	Y N	Y N	Y N
Link at CO (Only if analog DID)	Y N	Y N	Y N	Y N
Aux. ringer	Y N	Y N	Y N	Y N
Signal	Winkstart Immediate DelayDial	Winkstart Immediate DelayDial	Winkstart Immediate DelayDial	Winkstart Immediate DelayDial
ANI number (Only if Signal is Wink-Start or Immediate)	Y N	Y N	Y N	Y N
DNIS number (Only if signal is Wink-Start or Immediate and Ans mode is Manual)	Y N	Y N	Y N	Y N
Gain (Only if analog DID)	Normal High	Normal High	Normal High	Normal High
Distinctive ring	None 2 34	None 2 34	None 2 34	None 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	Public Private to: _____ Pool _____		Public Private to: _____ Pool _____		Public Private to: _____ Pool _____		Public Private to: _____ Pool _____	
PrimeSet	221	None	221	None	221	None	221	None
Auto privacy	Y	N	Y	N	Y	N	Y	N
Ans mode (Trunk mode is always super)	Manual	Auto	Manual	Auto	Manual	Auto	Manual	Auto
Ans with DISA (If Ans mode is Auto)	Y	N	Y	N	Y	N	Y	N
Aux. ringer	Y	N	Y	N	Y	N	Y	N
Full AutoHold	Y	N	Y	N	Y	N	Y	N
Distinctive ring	None	2 34	None	2 34	None	2 34	None	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	Public Private to: _____ Pool _____		Public Private to: _____ Pool _____		Public Private to: _____ Pool _____		Public Private to: _____ Pool _____	
PrimeSet	221	None	221	None	221	None	221	None
Auto privacy	Y	N	Y	N	Y	N	Y	N
Ans mode (Trunk mode is always super)	Manual	Auto	Manual	Auto	Manual	Auto	Manual	Auto
Ans with DISA (If Ans mode is Auto)	Y	N	Y	N	Y	N	Y	N
Aux. ringer	Y	N	Y	N	Y	N	Y	N
Full AutoHold	Y	N	Y	N	Y	N	Y	N
Distinctive ring	None	2 34	None	2 34	None	2 34	None	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	221 None	221 None	221 None	221 None
Distinctive ring	None 2 3 4	None 2 3 4	None 2 3 4	None 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	None 2 3 4	None 2 3 4	None 2 3 4	None 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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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

Ringing Service

(Services; Ringing 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:	221							Ctrl set:	221							Ctrl set:	221					
Service	Off		Auto					Service	Off		Auto					Service	Off		Auto			
	Manual								Manual								Manual					
Trunk answer	Y		N					Trunk answer	Y		N					Trunk answer	Y		N			
ExtraDial	221							ExtraDial	221							ExtraDial	221					
Line settings (Line number)	Ring grp		Aux. ringer					Line settings (Line number)	Ring grp		Aux. ringer					Line settings (Line number)	Ring grp		Aux. ringer			
			Y N								Y N								Y N			
			Y N								Y N								Y N			
			Y N								Y N								Y N			
			Y N								Y N								Y N			
			Y N								Y N								Y N			
			Y N								Y N								Y N			
			Y N								Y N								Y N			
			Y N								Y N								Y N			
			Y N								Y N								Y N			

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

Restrn service

(Services: Restrn service)

Schedule	Schedule 1		Schedule 2		Schedule 3		Schedule 4		Schedule 5		Schedule 6	
Restr'n service	Off		Off		Off		Off		Off		Off	
	Manual		Manual		Manual		Manual		Manual		Manual	
	Auto		Auto		Auto		Auto		Auto		Auto	

Activating routing schedules

(Services: Routing Service)

Schedule	Schedule 1		Schedule 2		Schedule 3		Schedule 4		Schedule 5		Schedule 6	
Mode	Off Manual	Auto	Off Manual	Auto	Off Manual	Auto	Off Manual	Auto	Off Manual	Auto	Off 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 Appr&Ring Ring only	DN _____ Appr only Appr&Ring Ring only	DN _____ Appr only Appr&Ring Ring only	DN _____ Appr only Appr&Ring Ring only	DN _____ Appr only Appr&Ring Ring only				
	DN _____ Appr only Appr&Ring Ring only	DN _____ Appr only Appr&Ring Ring only	DN _____ Appr only Appr&Ring Ring only	DN _____ Appr only Appr&Ring Ring only	DN _____ Appr only Appr&Ring Ring only				
	DN _____ Appr only Appr&Ring Ring only	DN _____ Appr only Appr&Ring Ring only	DN _____ Appr only Appr&Ring Ring only	DN _____ Appr only Appr&Ring Ring only	DN _____ Appr only Appr&Ring Ring only				
	DN _____ Appr only Appr&Ring Ring only	DN _____ Appr only Appr&Ring Ring only	DN _____ Appr only Appr&Ring Ring only	DN _____ Appr only Appr&Ring Ring only	DN _____ Appr only Appr&Ring Ring only				
	DN _____ Appr only Appr&Ring Ring only	DN _____ Appr only Appr&Ring Ring only	DN _____ Appr only Appr&Ring Ring only	DN _____ Appr only Appr&Ring Ring only	DN _____ Appr only Appr&Ring Ring only				
Assigned lines									
Mode	Broadcast	Sequential	Rotary						
Hunt delay	1	2	3	4	5	6	7	8	9v10
If busy	BusyTone	Overflow	Queue						
Q timeout	15	30	45	60	120	180			
Overflow DN									
Distinctive ring	None	2	3	4					

Change DNs

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

Featr settings

(System prgrming; Featr settings)

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

Direct-dial

(System prgrming; Direct-dial)

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

(if D-Dial=Extrnl)	Use Prime line Use line Pool code Use routing table	Use Prime line Use line Pool code Use routing table	Use Prime line Use line Pool code Use routing table	Use Prime line Use line Pool code Use routing table	Use Prime line Use line Pool code Use routing table
--------------------	---	---	---	---	---

CAP assignment

(System prgrming; CAP assignment) Allows lines to be assigned to the CAP module.

CAP1	None _____
CAP2	None _____
CAP3	None _____
CAP4	None _____
CAP5	None _____

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

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	No
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	N 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	N 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	N 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	N 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	N 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	N 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	N 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	N 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	N 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	N 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	N 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	N 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	N 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	N 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	N 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
-----------	----------	---	---	---	---	---

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>
---------------	---	---	---	---	---	---	---	---	---	---	-----------

Make / Break

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

Mk / Br	<u>40 / 60</u>	30 / 70
---------	----------------	---------

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	_____
-----------------	-------

Hospitality

(System prgrming; Hospitality)

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

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

Software keys

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

SysID

SysID: <8 digits>: _____	_____
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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	Loop	T1	PRI	BRI-ST	BRI-U2	BRI-U4
Cd2-KSU	Loop	T1	PRI	BRI-ST	BRI-U2	BRI-U4

(Profiles 2 and 3 only)

Cd1-KSU	Loop	T1	BRI-2	BRI-ST
Cd2-KSU	Loop	T1	BRI-2	BRI-ST

If card is a Loop card

Card type	Loop				
Lines					
Discon timer	60	100	260	460	600

If card is a T1 card

Card type	T1				
Lines					
Discon timer	60	100	260	460	600
Answer timer	1	2	3	4	5
CO fail	TR62411		T1A-547A		
I/F levels	ISDN		PSTN		
Framing	SF		ESF		
Internal CSU	On		Off		
CSU line bld (If CSU is on)	0		7.5		15
DSX1 bld (If CSU is off)	000-100 400-500		100-200 500-600		200-300 600-700 300-400
Line coding	B8ZS		AMI		
Clock Src (default for Cd1-KSU is Primary, Cd2-KSU is Secndry)	Primary		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)	NI-2 DMS100 DMS250 4ESS SL-1 (does not show unless MCDN is active)
PrivNetID range: 1-127	30
BchanSeq (Default is Descend unless SL-1 Master)	Ascend Descend
CbC Routing	
FX (Only shown for: NI-2, DMS-100, and DMS-250)	None All Map table
800 (Only shown for: NI-2, DMS-100, DMS-250, and 4ESS)	None All Map table
1800 (Only shown for: 4ESS)	None All Map table
900 (Only shown for: DMS-250, and 4ESS)	None All Map table
SDS (Only shown for: 4ESS)	None All Map table
Type (User prompt only shown when Procol is SL-1)	Secondary Primary User
CO fail	TIA547A TR62411
I/F levels	ISDN PSTN ISD/TT
Framing	ESF SF
Internal CSU	On Off
CSU line bld	0 7.5 15
Line coding	B8ZS AMI
ClockSrc	Primary Secndry TimMstr

If card is an ETSI PRI card

(Profile 2 only)

Card type	PRI
Lines	
Protocol	EURO SL1 (does not show unless MCDN is active)
PrivNetID range: 1-127	1 (does not show unless MCDN is active)
BchanSeq (Default is Descend unless SL-1 Master)	Ascend Descend (does not show unless MCDN is active)
Type (Procol is SL-1)	Slave Primary User (does not show unless MCDN is active)
ClockSrc	Primary Secndry TimMstr
Max Transits	31 (does not show unless MCDN is active)
Ovlp recving	N 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	E&M
Lines	
Answer timer	1 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)	I S LT NT
Protocol (Not shown if only one protocol available)	
Sampling (Shown for S loop type only)	Adaptive Fixed

For S & LT only

(for Profiles 1 and 4 only)

Assign DN's Show DN:___	Assigned _____Availabl	*LP___*	LP___
Loop DN:___	None	ISDN DN	

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

SPID__			
# of B-channls	<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

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

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	Loop	E&M	DID	BRI-ST	BRI-U2	BRI-U4	PRI
Cd2-Mod3	Loop	E&M	DID	BRI-ST	BRI-U2	BRI-U4	PRI
Cd3-Mod3	Loop	E&M	DID	BRI-ST	BRI-U2	BRI-U4	PRI
Cd1-Mod4	Loop	E&M	DID	BRI-ST	BRI-U2	BRI-U4	PRI
Cd2-Mod4	Loop	E&M	DID	BRI-ST	BRI-U2	BRI-U4	PRI
Cd3-Mod4	Loop	E&M	DID	BRI-ST	BRI-U2	BRI-U4	PRI
Cd1-Mod5	Loop	E&M	DID				
Cd2-Mod5	Loop	E&M	DID				
Cd3-Mod5	Loop	E&M	DID				
Cd1-Mod6	Loop	E&M	DID				
Cd2-Mod6	Loop	E&M	DID				
Cd3-Mod6	Loop	E&M	DID				
Cd1-Mod7	Loop	E&M	DID	BRI-ST	BRI-U2	BRI-U4	PRI
Cd2-Mod7	Loop	E&M	DID	BRI-ST	BRI-U2	BRI-U4	PRI
Cd3-Mod7	Loop	E&M	DID	BRI-ST	BRI-U2	BRI-U4	PRI
Cd1-Mod8	Loop	E&M	DID	BRI-ST	BRI-U2	BRI-U4	PRI
Cd2-Mod8	Loop	E&M	DID	BRI-ST	BRI-U2	BRI-U4	PRI
Cd3-Mod8	Loop	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	Loop	E&M	BRI-2	BRI-ST
Cd2-Mod3	Loop	E&M	BRI-2	BRI-ST
Cd3-Mod3	Loop	E&M	BRI-2	BRI-ST
Cd1-Mod4	Loop	E&M	BRI-2	BRI-ST
Cd2-Mod4	Loop	E&M	BRI-2	BRI-ST
Cd3-Mod4	Loop	E&M	BRI-2	BRI-ST
Cd1-Mod5	Loop	E&M		
Cd2-Mod5	Loop	E&M		
Cd3-Mod5	Loop	E&M		
Cd1-Mod6	Loop	E&M		
Cd2-Mod6	Loop	E&M		
Cd3-Mod6	Loop	E&M		
Cd1-Mod7	Loop	E&M	BRI-2	BRI-ST
Cd2-Mod7	Loop	E&M	BRI-2	BRI-ST
Cd3-Mod7	Loop	E&M	BRI-2	BRI-ST
Cd1-Mod8	Loop	E&M	BRI-2	BRI-ST
Cd2-Mod8	Loop	E&M	BRI-2	BRI-ST
Cd3-Mod8	Loop	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	Loop	E&M	DID	BRI-2	BRI-ST
Cd2-Mod3	Loop	E&M	DID	BRI-2	BRI-ST
Cd3-Mod3	Loop	E&M	DID	BRI-2	BRI-ST
Cd1-Mod4	Loop	E&M	DID	BRI-2	BRI-ST
Cd2-Mod4	Loop	E&M	DID	BRI-2	BRI-ST
Cd3-Mod4	Loop	E&M	DID	BRI-2	BRI-ST
Cd1-Mod5	Loop	E&M			
Cd2-Mod5	Loop	E&M			
Cd3-Mod5	Loop	E&M			
Cd1-Mod6	Loop	E&M			
Cd2-Mod6	Loop	E&M			
Cd3-Mod6	Loop	E&M			
Cd1-Mod7	Loop	E&M	DID	BRI-2	BRI-ST
Cd2-Mod7	Loop	E&M	DID	BRI-2	BRI-ST
Cd3-Mod7	Loop	E&M	DID	BRI-2	BRI-ST
Cd1-Mod8	Loop	E&M	DID	BRI-2	BRI-ST
Cd2-Mod8	Loop	E&M	DID	BRI-2	BRI-ST
Cd3-Mod8	Loop	E&M	DID	BRI-2	BRI-ST

StnMod

For Station Module programming, see the *Modular ICS 6.0 Installer Guide*.

Template specific defaults

For the Norstar MICS 6.0 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 6.0 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 6.0 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		

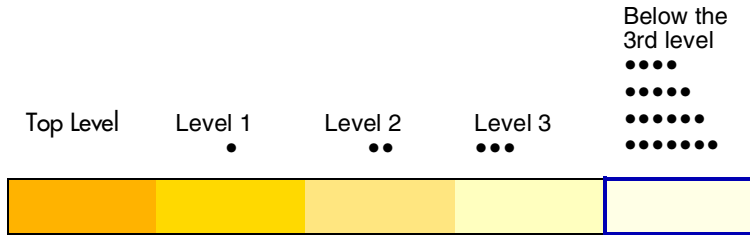
Services defaults

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
Profile (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.
Dialpad (use only at system startup)	Use this command to select the dialpad layout you require. This is a system-wide setting. Use Dialpad access.
Startup (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.
• Template	Select the template to assign the default values for the system.
• Start DN	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"> • Direct-dial digit • Call Park prefix • first digit of a line pool access code

Use the following commands to change defaults and configure the lines and sets to suit your system requirements. Use Installer or Administrator access codes.	
Terminals & Sets	These commands allow you to assign settings to each telephone (DN).
• Show set: _	Enter the DN of the telephone you want to program.
• XXXX:XXXX	DN number and current name displays to confirm your request.
•• Line access	These commands allow you to assign lines to each DN. You can copy the settings from one DN to another.
••• Line assignment	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.
•••• Show line: _____	Enter the numbers of the lines to be assigned to the telephone.
••••• LXXX:Unassigned	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.
••• LinePool access	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.
•••• Line Pool A:N	Scroll through the line pool listing and select the pools to assign to the telephone.
••• Prime line: I/C	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.
••• Intercom keys	Select the number of intercom buttons on a telephone for accessing internal lines and line pools.
••• Answer DNs	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.
•••• Show set	Enter the DN of the telephone for which this telephone will have an answer button.
•••• XXXX:Unassigned	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.
••• OLI#	Enter the 10-digit outgoing line identification number.
•••• OLI #	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.)
•• Capabilities	These commands allow you to select the call features for a telephone.
••• Fwd no answer	Redirect all incoming calls when this telephone does not answer.
•••• Fwd to	Enter the external number or the DN of the telephone to which you want to redirect all incoming calls.
•••• Forward delay	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.
••• Fwd on busy	Redirect all incoming calls when this telephone is busy with another call.
•••• Fwd to	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. Note: 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)
.... ATA dvc	Set to enhance connectivity for telephones connecting to PRI and BRI lines through an ATA module. Choose Telephon for telephones, and Modem for other devices, such as fax machines.




.... MsgIndicate	Select the type of message indicator the ATA-connected device provides. (None, Tone, Lamp).
... 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. Note: Use the M7000 model setting to correspond with T7000 Business Series Terminals. i.e. M7100/T7100; M7208/T7208; M7310/T7316. 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

<p>..... Pg Zone All:F610</p> <p>..... Page Zone 1:F611</p> <p>..... Page Zone 2:F612</p> <p>..... Page Zone 3:F613</p> <p>..... Page Zone 4:F614</p> <p>..... Page Zone 5:F615</p> <p>..... Page Zone 6:F616</p>	<p>Page internally by zone.</p> <p>Zone 0 pages all zones.</p>
<p>..... Page Spkr:F62</p>	<p>Page through an external loudspeaker system.</p>
<p>..... Pg All, Spkr:F630</p> <p>..... Page Spkr+1:F631</p> <p>..... Page Spkr+2:F632</p> <p>..... Page Spkr+3:F633</p> <p>..... Page Spkr+4:F634</p> <p>..... Page Spkr+5:F635</p> <p>..... Page Spkr+6:F636</p>	<p>Page through both sets and external loudspeaker system by zone.</p> <p>Zone 0 pages all zones.</p>
<p>..... Line Pool:F64</p>	<p>Gives you access to line pools. Press this feature, then enter a line pool access code.</p>
<p>..... Reply Msg:F65</p>	<p>Use to view and reply to messages.</p>
<p>..... #Msg. Wait:F#65</p>	<p>Use to view number of message waiting.</p>
<p>..... Voice Call:F66</p>	<p>Initiate a call/announcement through the speakers of another set without first ringing the set.</p>
<p>..... Saved No.:F67</p>	<p>Use during a call to save a number for later redialing.</p>
<p>..... Rst O'ride:F68</p>	<p>Use to override restrictions to allow entry of a COS password. Effective for current call, only.</p>
<p>..... Priority:F69</p>	<p>Use to interrupt a call on another set.</p>
<p>..... Transfer:F70</p>	<p>Use to transfer a call to another internal or external set.</p>
<p>..... Link:F71</p>	<p>Use to generate a link signal to access a PBX or other host exchange.</p>
<p>..... Call Park:F74</p>	<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>
<p>..... Grp Pickup:F75</p>	<p>Use to answer a call that is ringing at another set. External calls are answered in sequence.</p>
<p>..... Dir Pickup:F76</p>	<p>Use to answer a call to your set from another set.</p>
<p>..... Call Timer:F77</p>	<p>Use to display the duration of current or most recent call.</p>
<p>..... Pause:F78</p>	<p>Use to program a pause (1.5 second) delay into an external autodial sequence.</p>
<p>..... Excl. Hold:F79</p>	<p>Use to put a group call on hold. The call shows busy on all other sets in the group.</p>
<p>..... Trunk Answr:F800</p>	<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>
<p>..... Call Queue:F801</p>	<p>Use to answer the next call.</p>
<p>..... Grp. Listen:F802</p>	<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"> • block ringing of all incoming calls, except priority calls • block an incoming priority call if you are currently on a call
..... Music:F86	Use to listen to music from the external music source through your telephone speaker if you are not on a call. Note: 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)
..... 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.
... Voice Path	Select either Handsfree or Headset to allow automatic switching from the set button.
.. 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 ($\square \square \square \square$).
.... Allow saved no	Select whether a telephone can use Saved Number Redial ($\square \square \square \square$).
.... Allow link	Select whether a telephone can use Link ($\square \square \square \square$) to access the features of a private branch exchange.

••• Line/set rstrns	Assign restriction filters to certain lines on each set in your system.
•••• Show line: _	Select the line on this telephone for which the restriction will apply.
•••• Normal •••• Night •••• Evening •••• Lunch •••• Sched 4 •••• Sched 5 •••• Sched 6	For each line, enter the number (two-digit) of the restriction filter to apply during normal service and each of the schedules.
•• Telco features	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.
••• Feature assign	Use these commands to assign features, such Call Display, to identify external in-coming calls.
•••• Show line: _____	Enter the number of the line for which the telephone will show Call Display information.
•••• Caller ID set	Select whether the telephone will display incoming CLID.
•••• Extl VMsg set	Select whether this telephone will display a message indicator provided to the specified line by an external voice message service.
••• 1stDisplay	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.
••• Called ID	Select if Called ID is to be displayed.
••• Log space	Allocate a number of Call log spaces from a system-wide pool of spaces to the telephone.
•••• Log: Pool:	Assign this telephone its log spaces.
Lines	These commands allow you to assign settings to each trunk and external line.
• Show line: _	Enter the line number of the line you want to program.
• Line001:Line001	Display of the line number and current line name.
•• Trunk/Line data	Use to program settings for physical lines that affect how the line is used by the Norstar system.
••• Trunk type	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.
••• Line type	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).
••• Dial mode	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.
••• PrimeSet	Enter the DN of a prime telephone as a backup to answer calls on this line.

... Auto privacy	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 (  ).
... Trunk mode	Select whether the line operates with disconnect supervision. Auto answer and DISA lines must be supervised. This setting does not appear for target lines.
... Ans mode	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.
... Ans with DISA	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.
... Link time	Select the duration of a signal, such as recall or flash, when a signal is required to access a feature through a remote system.
... Link at CO	Select whether the system applies the restrictions on outgoing calls to the digits dialed after the Link signal (a host signalling option).
... Aux. ringer	Select whether an auxiliary ringer, if installed, will ring for incoming calls on this specific line.
... Full AutoHold	Select whether an idle line will be put on hold when another line is selected. This setting does not appear for target lines.
... Distinct Ring	Choose whether the line will have a distinctive ring pattern.
... LossPkg	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.
... Rec'd #	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"> • it collects the number of digits specified by the Rec'd # length setting • it matches these digits to a Received number • it routes the call to the appropriate target line. 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.
... Signal	Select the signal type for an E&M or DID line to match the signal type programmed for the trunk at the other switch.
... ANI number	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.
... DNIS number	Select whether the digits dialed by an external caller on this E&M or DID line will be collected.
... Gain	Select the appropriate gain level for this E&M or DID line.
.. Name	Enter a name for a line that is up to seven characters long. This name defaults to the line number.
.. Restrictions	Allows you to create and assign restriction filters. These filters control what kind of calls a user can make on this line.

••• Restrtn filters	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.
•••• Show filter:_	Enter the two-digit filter number.
••••• Restrtn flt 00	Filter 00 is pre-set with no restrictions.
••••• Restrtn flt 01	First programmable restriction. For each filter, enter up to 99 restrictions.
••••• Deny	Enter the digits you wish to be restricted when this filter is used.
••••• Override 001	Enter the dialing sequences which are allowed to override this filter, if any.
••• Line restrns	Designate restriction filters to the lines assigned to this telephone.
•••• Normal •••• Night •••• Evening •••• Lunch •••• Sched 4 •••• Sched 5 •••• Sched 6	Enter the number (two-digit) of the restriction filter to apply during normal service and for each of the schedules.
••• Remote restrns	Assign restriction filters that apply only to remote users of the line.
••••• Normal ••••• Night ••••• Evening ••••• Lunch ••••• Sched 4 ••••• Sched 5 ••••• Sched 6	Enter the number (two-digit) of the restriction filter to apply to remote use during normal service and for each of the schedules.
•• Telco features	These commands allow you to assign settings for an external voice message service.
••• VMsg center 1 (1-4)	Assign a VMsg center to be used for voice message service for the line.
••• Use:	Choose the route the system will use to access the external voice mail center.
••• Tel #	Enter the telephone number that access the voice mail center.
Services	These commands allow you to create services such as night ringing, routing, and restrictions for making external calls.
• Ringing service	Assign additional telephones to ring for a line during specified periods of the day or night.
•• Ringing groups	Allow groups of extended ringing sets to be defined.
••• Show group:_	Enter the number of the Ringing group you want to program (001-100).
•••• Ring grp 001	Enter the valid ring group number from 001 to 100. All ring groups have set 211 assigned to them.
••••• Show set:_	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.

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

•• Dest codes	Define which routes are used when a destination code is dialed.
••• Show DstCode: _	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"> • Call Park prefix • Direct-dial digit • same as, or be the start digits of a DN, the DISA DN or the Auto DN • line pool code • received number.
••• DestCode: _	Enter the new destination code.
••• DestCode:	Shows the destination code you wish to view.
•••• Normal	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.
••••• AbsorbLength	Enter the number of digits from the destination code that will be dropped before the number is dialed out.
•••• Night •••• Evening •••• Lunch •••• Sched 4 •••• Sched 5 •••• Sched 6	For the last destination code, define a route for each of the schedules, as you have done for normal service.
•• Sched:Night	This schedule can be activated automatically or manually, or it can be left in the default Off.
••• Service	Select how you want this service activated, if applicable.
••• Overflow	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.
•• Sched:Evening •• Sched:Lunch •• Sched:Sched 4 •• Sched:Sched 5 •• Sched:Sched 6	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.
• Common settings	Use these commands to assign settings that are shared by different services.
•• Control sets	Assign control telephones to turn services on or off.
••• For lines	Select lines for settings and services.
•••• Show line: _	Enter the number of the line you want to program.
•••• L001	Assign a control telephone to each external line that will controls services for the line.
••• For sets	Select the sets affected by this service.
•••• Show set: _	Enter the number of the telephone you want to program.
•••• <internal #>	Assign a control telephone to each telephone. This telephone controls Restriction service and Routing service for the set.

•• Schedule names	The schedule name is shown on the display of the control telephone when the schedule is turned on. It identifies the active schedule.
<ul style="list-style-type: none"> ••• Sched 1 ••• Sched 2 ••• Sched 3 ••• Sched 4 ••• Sched 5 ••• Sched 6 	Enter the name of the schedule, or use the default numbering.
•• Schedule times	Enter automatic start and stop times for scheduled services.
••• Monday	Assign the schedule times for Monday, as it applies to your office.
•••• Sched:Night (Evening, Lunch, Sched 4, Sched 5, or Sched 6)	Select the schedule as it applies to your office.
•••• Start time	Enter the start time.
•••• Stop time	Enter the stop time.
<ul style="list-style-type: none"> ••• Tuesday ••• Wednesday ••• Thursday ••• Friday ••• Saturday ••• Sunday 	Assign scheduled start and stop times for each scheduled service and day of week, as you have done for Monday.
Sys speed dial	These commands allow you to create speed dial codes that can be used by any telephone in the system.
• Speed dial #	Enter the three-digit speed dial code (001-255) that you want to program.
•• XXX:	Enter the telephone number (up to 24 digits) that you want to assign to it.
•• Use prime line	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.
•• Display digits	Select whether a telephone displays the number dialed when a speed dial number is used.
••• Name	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.
•• Bypass restr'n	Select whether a programmed system speed dial number can bypass restrictions programmed for a line and/or a telephone.
Passwords	Use these commands to assign passwords to restrict access to programming and system features.
• COS pswds	Create up to 100 six-digit passwords that control access and use of the Norstar system by internal and remote users.
•• Show pswd#:_	Enter the two-digit Class of Service password number (00-99).

•• COS pswd #00	Indicates the number of the password to which you are assigning information.
••• Pswd 00	Enter a six-digit password.
••• User flt	Assign a restriction filter to the Class of Service password.
••• Line flt	Select whether a Class of Service password will use the default line filter or a different line filter (enter the two-digit filter number).
••• Remote pkg	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).
• Call log pswds	A programming section that allows you to clear any Call Log password programmed with the Call Log feature.
•• Show set:_	Enter the DN of the telephone you want to program.
••• Log pswd	Erase the call log password for this telephone.
• Programing pswds	In this section you can create your own password rather than use the default.
•• Installer	Enter the new installer password which gives you access all the programming settings.
•• SysCoord+	Enter the new system coordinator password which gives you access to selected programming settings.
•• Sys coord	Enter the new system coordinator password which gives you access to everyday programming settings.
•• Basic	Enter the new basic password which gives you access to the most commonly used programming settings.
• Reg pswd. (MICS-XC only)	Enter the new registration password that allows you to register Companion portable sets to the system.
• Hospitality	Use these commands to create Hospitality services passwords if required, rather than use the defaults.
•• Desk pswd	Enter the new Desk password which gives access to all Hospitality services programming settings.
•• Cond pswd	Enter a Condition password which gives certain employees access to the Room condition programming settings in Hospitality services.
Time&Date	Use these commands to set the system clock to the correct time and date.
System prgrming	Use these commands to change system-wide settings.
• Hunt groups	These commands allow you to set up incoming calls on a specific DN to be routed to a group of sets.
•• Show group:_	Enter the DN of the telephone you want to program.
••• Member DNs	Enter the DN of the telephone you want to add to the group.
•• Line assignment	Assign or unassign a line to a particular hunt group.
•• Mode:	Determine how an incoming call will be handled by the hunt group.
•• Hunt delay:	Select a delay value to determine how long a set rings before the call moves on the next member set.
•• If busy:	Determine how an incoming call is to be treated when all hunt group member sets are busy.

•• Q Timeout:	Set the number of seconds the incoming call remains in the hunt group call queue before it is offered to the overflow position.
•• Overflow:	Enter the DN of the set you want the hunt group overflow calls to be presented.
•• Name:	Enter the name of the hunt group.
•• Aux ringer	Indicate if an external ringer will be used.
•• Distinct Ring	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.
• Change DNs	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"> • external line access code • Call Park prefix • Direct-dial digit • first digit of a line pool access code If you change an individual DN, you must quit programming for the change to take effect.
• Featr settings	Use these commands to set or change features for specific sets.
•• Backgrnd music	Select whether users can listen to music through their telephone speaker using the Background Music feature (<input type="checkbox"/> 8 6). A customer-supplied music source must be connected to the ICS.
•• On hold	Select whether a caller on hold hears: <ul style="list-style-type: none"> • music from an outside source, such as a radio connected to the ICS • periodic tones • silence
•• Receiver volume	Select whether the volume of a telephone receiver/headset automatically resets to the system default level, or retains the level set at the telephone.
•• Camp timeout	Select the number of seconds a call can remain camped before it returns to the telephone that camped it.
•• Park timeout	Select the number of seconds a call on an external line can remain parked before it returns to the telephone that parked it.
•• Park mode	Select whether the system will use Call Park codes in a sequence from lowest to highest, or use the lowest numbered code that is available when the call is parked.
•• Trnsfr callbk	Select the number of times a transferred call rings before it returns to the telephone that transferred it.
•• DRT to prime	Select whether to automatically transfer unanswered external calls to a prime telephone.
•• DRT delay	Select the number of times a call rings before Delayed Ring Transfer transfers it to a prime telephone. This setting only appears if DRT to prime is Yes.
•• Held reminder	Select whether the telephone reminds you when a call is on hold.
•• Remind delay	Select the number of seconds before the telephone reminds you that a call is on hold. The setting only appears if Held reminder is Yes.
•• Directd pickup	Select whether users can answer calls at any telephone using the directed call pickup feature (<input type="checkbox"/> 7 6).

•• Page tone	Select whether users can hear a Page Announcement tone (☐☐☐) over the system.
•• Page Timeout	Select the number of seconds before a Page is automatically disconnected.
•• Daylight time	Select whether daylight savings time is automatically applied to the system clock.
•• AutoTime&Date	Select whether time and day will automatically display.
•• SWCA Cntrl	This feature provides 16 feature codes which allow you to park calls on the system. If these codes are assigned to memory buttons with indicators in a group of telephones, then incoming calls can be assigned to the buttons and maintain a call appearance for the group, while freeing up the line for additional calls.
••• Auto Associate	Use this command to determine if calls are automatically assigned to a free SWCA key.
••• Invoke by Hold	Use this command to determine if calls are automatically assigned to a free SWCA key if they are put on Hold.
•• Call log space	Customize how Call log space is allocated to telephones in the system.
••• Reset all logs?	Use this command to confirm that you want to reallocate the Call log space equally to all telephones in your system.
•• Host delay	Select the delay, in milliseconds, between the selection of an outgoing line and the moment that Norstar sends dialed digits or codes on that line.
•• Link time	
•• AlarmSet	Enter the DN of the telephone used to display alarm messages when a problem occurs in the Norstar system.
•• Set relocation	Select whether telephones in the system can be moved without losing their programming.
•• Msg reply enh	Select whether to provide light message waiting lamps or a stuttered dialtone on selected analog telephones on specially equipped ASMs.
•• Ans. key:	Allows you to assign up to eight answer keys. Settings are Basic, Enhanced, and Extended.
•• 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 assignment	Use these commands to assign the DNs of telephones to a the central answering position (CAP) module attached to a M7234 telephone.
<ul style="list-style-type: none"> •• CAP 1 •• CAP 2 •• CAP 3 •• CAP 4 •• CAP 5 	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	
••• Dial timeout	
• Access Codes	Use these commands to enter the access codes for: <ul style="list-style-type: none"> • Line pool • Park prefix • Extrnl code • Direct-Dial • Auto DN • DISA DN
•• Line pool codes	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: <ul style="list-style-type: none"> • Call Park prefix • Direct-dial digit • any DN (including Rec'd #s, the DISA DN, or the Auto DN) • destination code
•• Park prefix	Select the first digit of the Call Park retrieval code.

<p>•• Extrnl code</p>	<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"> • Call Park prefix • Direct-dial digit • first digit used by an internal DN
<p>•• Direct-dial</p>	<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"> • first digit of a DN • line pool access code • external line access code • Call Park prefix • first digit of a destination code
<p>•• Auto DN</p>	<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"> • line pool access code • destination code
<p>•• DISA DN</p>	<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"> • line pool access code • destination code
<p>•• PrivAccCode</p>	<p>Enter the special code for your private network access.</p>
<p>•• Carrier Codes</p>	<p>Enter the signal for a carrier code entry.</p>
<p>• Remote access</p>	<p>Use these commands to create a system of controlled access to your Norstar system.</p>
<p>•• Remote access pkgs</p>	<p>Create packages to apply to lines that allow or restrict the remote access to Norstar line pools and/or to paging.</p>
<p>••• Show pkg: _</p>	<p>Enter the two-digit remote package number (00-15). Package 00 is pre-set to allow no access.</p>
<p>•••• LinePool access</p>	<p>For each package, select whether the user will have access to the system line pools.</p>
<p>••••• Pool <pool letter (pool code)></p>	<p>For each line pool, select whether a remote user can have access.</p>
<p>•••• Remote page</p>	<p>For each package, select whether a remote user can access the Page feature.</p>
<p>•• Rem line access</p>	<p>Select the remote access packages to be applied.</p>
<p>••• Show line: _</p>	<p>Enter the line number.</p>

<ul style="list-style-type: none"> • Change DN type (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.
<ul style="list-style-type: none"> •• Show DN: _ 	Enter the DN for which you want to change the DN type.
<ul style="list-style-type: none"> ••• 637 	Select whether this DN is reserved for use with a portable telephone or with ISDN terminal equipment.
<ul style="list-style-type: none"> •••• State 	Use this softkey item to see whether a portable has been assigned to the DN.
<ul style="list-style-type: none"> • Companion (MICS-XC systems, only) 	These commands allow you to set up base stations and program the portables in your Companion system.
<ul style="list-style-type: none"> • Registration 	Use these commands to register the portables to the system.
<ul style="list-style-type: none"> •• Registration 	Turn portable registration on or off.
<ul style="list-style-type: none"> •• Portable DNs 	Identify the access line to which a portable is registered.
<ul style="list-style-type: none"> ••• Show DN: _ 	Display the DN of the portable.
<ul style="list-style-type: none"> • Radio data 	These commands allow you to initiate a re-evaluation of the radio status.
<ul style="list-style-type: none"> •• Re-evaluation 	This command automatically assigns base stations to cells and defines the cell configuration.
<ul style="list-style-type: none"> ••• Status 	Identify the status of the Re-evaluation.
<ul style="list-style-type: none"> ••• Schedule 	
<ul style="list-style-type: none"> • Radios 	These commands provide information about cell assignment and antenna type.
<ul style="list-style-type: none"> •• Cell assignment 	View whether a radio is assigned to a cell or unassigned.
<ul style="list-style-type: none"> ••• Show radio 	Enter the number of the radio.
<ul style="list-style-type: none"> •• Antenna type 	Indicate the type of antenna selected for each base station.
<ul style="list-style-type: none"> ••• Show radio 	Enter the number of the radio.
<ul style="list-style-type: none"> • Cells 	These commands provide information about the cells within the system.
<ul style="list-style-type: none"> •• Show cell: _ 	Enter the number of the cell you wish to program.
<ul style="list-style-type: none"> •• Cell radios 	Assign a radio to this cell.
<ul style="list-style-type: none"> ••• Show radio: _ 	Enter the number of the radio.
<ul style="list-style-type: none"> •• Cell nghbrs 	Assign a cell to be a neighbor. This is a cell that physically adjoins another cell.
<ul style="list-style-type: none"> ••• Show nghbr 	View neighbor information.
<ul style="list-style-type: none"> •• Cell rad nghbrs 	Assign a cell to be a bordering cell to each cell neighbour.
<ul style="list-style-type: none"> •• Show RadNghbr 	View cell radio neighbor information.
<ul style="list-style-type: none"> • System LID (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.
<ul style="list-style-type: none"> • Rec'd # length 	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.

• DN length: __	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).
• Nat'nl length	The length of the telephone number dialed to reach a person within the same country.
• Make/Break:	Select the Make/Break ratio. The default Make/Break ratio is 40 / 60.
• BusName	Enter the name of the business. This name displays on the receiving set, where the line allows.
• CbC limits	These commands allow you to program the minimum and maximum incoming and outgoing calls for a PRI line pool.
•• Pool PRI-A	Select the PRI line pool (PRI-A, PRI-B....) for which you want to set the limits.
••• Show: Public	Select Public or Private, or Tie, FX, OUTWATS, 800
•••• Min incoming	Enter the minimum number of incoming PRI lines you need.
•••• Max incoming	Enter the maximum number of incoming PRI lines you need.
•••• Min outgoing	Enter the minimum number of outgoing PRI lines you need.
•••• Max outgoing	Enter the maximum number of outgoing PRI lines you need.
• Release reasons	Release reasons.
• Hospitality	These commands allow you to create the hospitality settings.
•• Room/desk information	These commands allow you to assign sets to a room.
••• Show set: __	Indicate the set you wish to configure.
••• Room #: __	Indicate the room associated with the set.
••• Adm pwd req'd:	Indicate whether the set requires the use of the Hospitality Desk Admin password to access Hospitality Desk features.
•• Call Restrns	These commands allow you to assign dialing filters to room occupancy states.
••• Vacant	This command notes if the Room is empty or occupied.
•••• Use flt:	Enter the dialing filter for the room state. The filters range from 00 to 99.
••• Basic	Indicate the filter to be assigned for that level of room occupancy.
••• Mid	Indicate the filter to be assigned for that level of room occupancy.
••• Full	Indicate the filter to be assigned for that level of room occupancy.
•• Service time	These commands allow you to program a system-wide time when occupied rooms change state from Service done to Needs service.
••• Hour	Enter the hour.
••• Minutes	Enter the minutes.

•• Alarm	These commands allow you to configure the Alarm operation.
••• Attn attempts	Enter the number of times the Alarm time feature attempts to get the attention of the occupant before cancelling.
••• Retry intrvl	Enter the interval period between each Alarm attempt. This setting is in minute intervals.
••• Attn duration	Set the period for which a set alerts on each alarm attempt. This setting is in seconds.
••• Time format	Choose if alarm times are entered using a 12 hour or 24 hour clock.
•• Expired Alarms	These commands allow you to determine how the system will notify you about expired alarms.
••• Notify set	Use this command to choose whether the set where the alarm was programmed will be notified if the alarm expires.
••• Use Tone	Use this command to choose what tone will be used if the set is notified that an alarm has expired.
• Network services	These commands are used for MCDN connections only.
•• ETSI (profile 2 only)	These features can be supplied by your service provider over ETSI lines.
••• Netwrk Redirection (NCD)	Use this command to indicate whether you want to be able to call forward calls over the network.
••• MCID	Use this command to indicate whether the MCID feature code can be used to record call information at the CO.
•• MCDN (profiles 1, 2, and 4)	Press Next to move to next entry.
••• NetwkICCL	Select whether you want ISDN Call Control Limitation to be set for your MCDN network.
••• TRO	Select whether you want Trunk Route Optimization to be active on the MCDN networks.
••• TAT	Select whether you want Trunk Anti-Tromboning to be set for your MCDN network.
Telco features	These commands allow you to assign settings for external voice messaging services.
• VMsg ctr tel#s	These commands allow you to determine which voice message center the set will use, and how it will access the network.
•• VMsg center 1 •• VMsg center 2 •• VMsg center 3 •• VMsg center 4 •• VMsg center 5	Choose the voice message center you want the set to use.
••• Use: linel routing tbl	Select whether the set will access the voice message center over a direct line, or through a routing table.
•••• Tel#	Enter up to a 24-number telephone number that accesses the voice messaging center.

• ONN blocking	Allows outgoing name and number to be blocked at the called party end on both analog and digital lines.
•• Analog VSC	Analog Vertical service code.
••• Tone	Vertical service code for analog tone dialing trunks.
••• Pulse	Vertical service code for analog pulse dialing trunks.
•• BRI VSC	Basic Rate Interface Vertical service code.
••• Code:	Enter the BRI code.
Software keys	These commands allow you to set up access to optional features and services through Nortel Networks programming.
• SysID	This number can be viewed on any M7324, M7310, or T7316 display. Record the number. You will be asked to provide this number when you call the Nortel Customer Response Center.
• Password keys	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.
•• Key 1	Enter the eight-digit password.
•• Key 2	Enter the eight-digit password.
•• Key 3	Enter the eight-digit password.
Hardware	Use these commands to view and configure the Trunk Cartridges and BRI Cards installed in the ICS.
• Show module: _	Indicate the module you wish to view.
• Cards on KSU	View and program the cartridges and cards installed in the ICS.
•• Cd1-KSU	View the type of card that occupies the right-most slot in the ICS.
••• Card type	The display shows the current card type.
••• Lines	View the line-number range for the lines on a Trunk Cartridge.
••• Show lines ____	
•••• 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"> • digital network loss treatment (ISDN I/F levels) • analog network loss treatment (PSTN I/F levels)
•• 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.
•••• DNs on Loop	Assign the ISDN DNs that use this loop.
••••• Assign DNs	Enter ISDN DNs 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 DNs	Enter the Network DNs 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"> • S-loop (for BRI-ST Card) • LT-loop (for BRI-U2 or BRI-U4 Card)
••• 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. Note: The slots are numbered from left to right. Version note: 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"> • Norstar Integrated Data Module 200 (IDM 200) • BayStack • Synchronous Data Interface (SDI)
•••• 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"> • IDM 200 • BayStack • SDI).
•••• 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.
•••• Config	Use to configure the settings for the SDI.
••••• Ptl	Select the physical interface used to connect the SDI to the networking equipment.
••••• DS0 rate	Select the transmission rate of the channels (Fixed lines) assigned to the SDI.
••••• TxCik src	Select whether data travelling through the SDI is synchronized using timing (clocking) from the SDI or the DTE.
••••• TxCik invrsn	Invert the signal used by the SDI to synchronize data from the DTE to adjust for round trip delays between the SDI and DTE.
••••• Data invrsn	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.
•••• Lp state	Show the direction of the loopback, if any, generated by the SDI.

.... Fixed access	Assign fixed lines to supported data modules: <ul style="list-style-type: none"> • IDM 200 • BayStack • SDI).
• Maintenance	These commands allow you to make diagnostic checks on the system.
• System version	Record the system version shown on the display.
• Port/DN status	View the Port/DN status.
• Module status	View the Module status.
• Sys test log	View items in Sys test log.
• Sys admin log	View items in log.
• Network evt log	View the items in the Network Log. This log keeps a record of events and alarms involving the digital network interface.
• Provisioning	Place BRI loops in or out of service.
• Tests	Run and list any BERT-set tests.
• CSU stats	View the performance statistics for your T1 lines.
• Diagnostic tools	Diagnostic tools programming performed by experienced personnel.
• Link Status	
• Usage metrics	
.. Hunt Groups	Use to gather statistical information about Hunt group usage.
.. Call-by-Call	Use to gather statistical information about PRI CbC calls.

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