

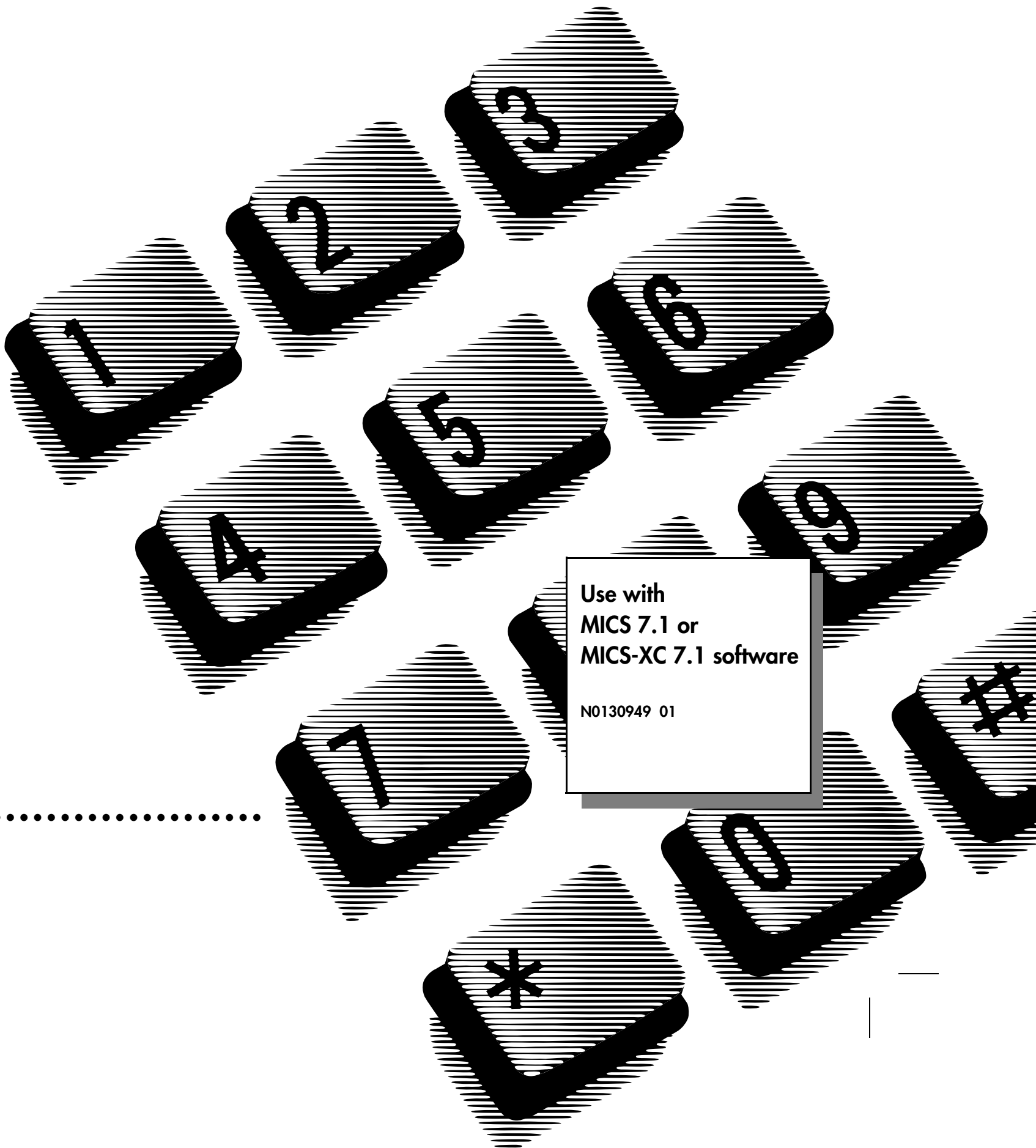


NORTEL NORSTAR





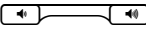

Modular ICS 7.1 Programming Record

(includes MICS-XC programming)



Telephone buttons

This guide uses the 7316/7316E digital phone button icons for programming procedures. Refer to the table below for the keycap icons that correspond to the programming commands.

Button description	7316/7316E digital phones
Feature	
Hold	
Volume Control	
Release	

Telephone buttons ii

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General information

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

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

Copying set programming

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

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

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

System Data that copies		System data that does not copy
Line access Line assignment Answer DNs (unless Answer button DN is same as set being copied to) Line pool access Prime line designation Number of intercom keys Outgoing line identification (OLI)	Priority Calling Paging 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) SWCA call group	Line access Private line appearances
Restrictions Line/set restrictions Set restrictions Set Lock Allow Last Number Redial Allow Saved Number Redial Allow Link Line/set restrictions	Telco Features Caller ID set (<i>Auto call info</i>) Call log set 1stDisplay	Capabilities Set Name Use ringback setting under ATA settings (for I-ATA only)
Capabilities Allow Redirect Call Forward No Answer (DN or Route + number + delay) Call Forward Busy (DN or Route + number)		Telco features Log space
		Passwords Call log password
		CAP/KIM assgn Direct-dial set designation ExtraDial set designation Service mode ringing set designation Prime set designation for a line Hunt group appearances SM Supervisor

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

Installed equipment

0X32 ICS

Telephones

Quantity	Equipment	Quantity	Equipment
	Integrated Communication System (ICS)		7100 digital phone
	Modular ICS NVRAM cartridge		7208 digital phone
	Modular ICS ROM software cartridge		7316E with 1 or more KIM modules
	Cartridge assembly		7316 digital phone
	Expansion Cartridge 2-port (fiber)		7316E digital phone
	Expansion Cartridge 6-port (fiber)		7406 digital cordless telephone
	6-port Expansion and IVD Services (Combo card)		7000 digital phone (limited markets)
	Expansion Cartridge 2-port (copper) (Profiles 1 and 4)		Single-line telephone (analog telephone)
	Expansion Cartridge 6-port (copper) (Profiles 1 and 4)		Emergency telephone
	Digital Trunk Interface (DTI)		
	off-core Digital Trunk Interface (DTI)		Digital Mobility controllers:
	Trunk Cartridge, Loop Start (ICS or Trunk Module)		Digital Mobility base stations
	Trunk Cartridge, Loop Start (Trunk Module)		Digital Mobility repeaters
	Trunk Cartridge, E&M/DISA		Digital Mobility phones
	Trunk Cartridge, DID		
	Trunk Cartridge, CI (GATC)		Legacy telephones:
	Services Cartridge		7000/7100/7208/7310/7324
	Trunk Module (fiber)		7324 with 1 or more CAP modules
	Trunk Module (copper) (Profiles 1 and 4 only)		Companion
	Station Module (fiber)		
	Station Module (copper) (Profiles 1 and 4 only)		
	Remote Power Interconnect		
	2-line Basic Rate U I/F line card (Profiles 1 and 4 only)		
	4-line Basic Rate U I/F line card (Profiles 1 and 4 only)		
	2-line Basic Rate ST I/F line card (Profiles 2 and 3 only)		
	4-line Basic Rate ST I/F line card		Note: The buttons shown in this document re- the 7316E digital phone icons.
MICS-XC-specific equipment			
	Plug Top Power Supply		
	C1110 Base Stations (PCI)		

Data terminals

Auxiliary equipment

Quantity	Equipment	Quantity	Equipment
	Analog Terminal Adapter (ATA) or (ATA2)		External paging equipment
			External music source
			Station auxiliary power supply
			Auxiliary ringer
			Shoulder rest
			Headset

Programming overview (Profiles 1 and 4)

Defaults are shown in bold and underlined

Profile	PROF 1
Dialpad	Q, Z:0
Startup	
Template	Square/(XC)PBX
Start DN	221
Terminals&Sets	
<i>Show set: _</i>	
Blue access	
Line assignment	
<i>Show line: _</i>	
(If it is a Non-DID line)	L001 Unassigned
(If it is a DID line)	L001 1
(If PRI)	L001: PRI-A
LinePool access	
(if there are PRI pools)	LinePool A Y
	LinePool PRI-A N
	Prime line Y/C
	Intercom keys 2
	Answer DN's
<i>Show set: _</i>	
	222 Unassigned
	OLI# None
	OLI as call'd # 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	1
Redirect ring	1
Intrusion	
Protect Lvl	None
ATA settings	
ATA ans timer	Z
ATA use	Off site
MsgIndicate	None
ATA dvc	Modem
SM Supervisor	N
SWCA call group	
Name	221
User preferences	
Mdl	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
Restrictions	
Restr'n filters	
<i>Show filter: _</i>	
Restr'n fit 00	No restrictions
Restr'n fit 01	
Restr'n 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	
<i>Show line: _</i>	
Normal	None
Night	None
Evening	None
Lunch	None
Sched 4	None
Sched 5	None
Sched 6	None
Telco features	
Feature Assignment	
<i>Show line: _</i>	
Caller ID set	N
Extl VMsg set	N
1st Display	Name
Called ID	N

Call Log Set	
Log space	
Log	0
Pool	600
Lines	
<i>Show line: _</i>	
Trunk/Line data	
(If Target Line)	
Line type	Public
Rec'd #	None
PrimeSet	221
Distinct Ring	None
Aux. ringer	N
If busy	PrimeSet
(If T1 and Loopstart)	
Trunk Type	Loop
Line type	Pool A
Dial mode	Tone
PrimeSet	221
Distinct Ring	None
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
(If T1 and Groundstart)	
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
(If T1 and E&M)	
Trunk Type	E&M
Line type	Pool A
Dial mode	Tone
PrimeSet	221
Distinct Ring	None
Auto privacy	Y
Ans mode	Manual
Ans with DISA	Y
Aux. ringer	N
Signal	Winkstart
ANI number	N
DNIS number	N
Gain	Normal
(If T1 and DID)	
Trunk Type	DID
Line type	Pool A
Dial mode	Tone

PrimeSet	221
Distinct Ring	None
Ans mode	Manual
Ans with DISA	Y
Link at CO	N
Aux. ringer	N
Signal	Winkstart
ANI number	N
DNIS number	N
Gain	Normal
(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
Distinct Ring	None
Auto privacy	Y
Ans mode	Manual
Ans with DISA	Y
Aux. ringer	N
Full AutoHold	N
(If PRI Lines)	
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	
Restr'n filters	
<i>Show filter: _</i>	
Restr'n fit 00	No restrictions
Restr'n fit 01	
Restr'n 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

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	Ofi
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	Ofi
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:	
Sched: Normal	000
Absorb length	All
Sched: Night	None
First route	
Absorb length	
Second route	
Absorb length	
Third route	
Absorb length	
Sched: Evening	None
Sched: Lunch	None
Sched: Sched 4	None

Sched: Sched 5	None
Sched: Sched 6	None
Second dial tone	
Sched: Night	
Service	Off
Overflow	N
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	23:01
Stop time	07:01
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 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

Progming pswds

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

Reg. pswd

72346
(MICS-XC only)

Hospitality

Desk pswd	467:
(HOSP)	
Cond pswd	None

SM passwd

745361

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: (sequential mode only)	
	4
If busy:	BusyTone
Timeout:	60
Overflow:	<DN> or <hunt group DN>
Name:	<7 characters>
Aux. ringer	N
Distinct Ring	None

Change DNs

<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	Std
AutoDS	Std
SWCA cntl	
Auto Associate	
Auto Assc I/C	N
Invoke by Hold	N
SWCA Hold I/C	N
Call log	set
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
Silent Monitor	N
Clid match	8

Direct-dial

D-Dial 1	Intrnl
Use prime line	

CAP/KIM assignment

CAP/KIM1	None
----------	-------------

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

Defaults are shown in **bold and underlined**

Dialing Plan	Portable DNs	Use Tone:	N	Internal CSU	On
Private network	Show DN: 637	SM sets	5	CSU line bld	0
Type	Radio data	Network Services		DSX1 bld	000-100
Priv DN len	Re-evaluation	(SL-1 MCDN only)		Line coding	B8ZS
Type	Status:	MCDN	N	Clock Src	Primary
PrivNetId	Schedule:	NetwkICCL	N	(If PRI card)	
Priv DN len	Radios	TRO	Y	Card type:	PRI
Type	Cell assignment	TAT	N	Lines	
PrivNetId	Show radio:			(If protocol is for MCDN)	
Loc code	Antenna type			Protocol	SL1
Priv DN len	Show radio:			PrivNetID	1
Public network	Cells			Type	Slave
Pub DN lengths	Show cell:_	Telco features		BchanSeq	Descend
Show prefix:	Cell radios			Send Name Display	Y
Prfx:Deflt	Show radio:	VMsg ctr tel#s		ClockSrc	Primary
DN length	Cell nghbrs	VMsg center 1		Max transits	31
Dial timeout	Show nghbr:	Use: Line/routing tbl		(If more than one Protocol)	
Dial timeout	Cell rad nghbrs	Tel#:	no number	Protocol	NI-2
	ShowRadNghbr:	VMsg center 2		PrivNetID	30
		VMsg center 3		BchanSeq	Descend
Access codes	System LID:	VMsg center 4		CbC Routing	
Line pool codes		VMsg center 5		(If Protocol is DMS-100)	
Line pool A	Rec'd # length			CbC values	
Park prefix		ONN blocking		FX	None
Extrnl code	DN length	Analog VSC		800	None
Direct-dial		Tone	None	(If Protocol is NI-2)	
Auto DN	BusName	Pulse	None	CbC values	
DISA DN		BRI VSC		FX	None
PrivAccCode	CbC limits (NI-2 protocol only)	Code	None	800	None
Carrier Codes	Pool PRI-A			(If Protocol is DMS-250)	
Prfx:	Service: Public			CbC values	
ID length:	Min in			FX	None
Prfx:	Max in			800	None
	Min out			900	None
	Max out			(If Protocol is AT&T-4ESS)	
Remote access	Service: Tie	Software keys		CbC values	
Rem access pkgs	Service: FX	(Used to activate ISDN PRI and fixed access trunks/WAN access for Data Modules) (MICS-XC: also activates Companion features.)		FX	None
Show pkg:_	Service: OUTWATS	SysID (8 digits)		800	None
00	Service: 800	Password keys		1800	None
LinePool access	Pool PRI-B	Key 1 (8 digits)		900	None
PRI-A (A-D)		Key 2 (8 digits)		SDS	None
Pool A (9)	Release reasons	Key 3 (8 digits)		CO fail	TIA-547A
Pool B (B-O) ()	Text:			I/F levels:	ISDN
Remote page				Framing	ESF
01	Hospitality			Internal CSU	On
LinePool access	Room/desk info			CSU line bld	0
PRI-A (A-D)	Show set:___			Line coding	B8ZS
Pool A (9)	Room #: _			Clock Src	Primary
Pool B (B-O) ()	Adm pwd req'd:			(If DID card)	
Remote page				Card type	DID
Rem line access	Call restrns			Lines	
Show line:_	Vacant:			(If E&M card)	
L001 Rem pkg	Use flt:___			Card type	E&M
	Basic:			Lines	
Change DN type	Mid:			Answer timer	2
(MICS-XC only)	Full:			(If BRI card)	
Show DN	Service time			Card type	
637:	Hour:			Loops	
State	Minutes:			Loop aaa	
	Alarm			Type	I
	Attn attempts:			Protocol	
Companion (MICS-XC only)	Retry intrvl:			Sampling	Fixed
Registration	Attn duration:				
Registration	Time format				
	Expired Alarms				
	Notify set:				

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

Defaults are shown in **bold and underlined**

(For S and LT)

Assign DN:

Show DN: **Availabl**

Loop DN: **None**

(For T & NT)

SPIDn

of B-channels **1**

Network DN:

DN1

Call type **Both**

D-packet service

D-packet servc **None**

LPnnn

TEIs

TEI

Clock Src **Primary**

ONN blk **SuprsBit**

DataMod settings for Profile 1 only

(If DataMod=IDM 200)

Type **IDM 200**

Fixed access

Show line:

L001: **Unassigned**

L001: **Channel:xx**

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

PtI **V.35**

DS0 rate **64k**

TxCk src **Auto**

TxCk 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**

[Sys test log](#)

[Sys admin log](#)

[Network evt log](#)

[Provisioning](#)

[Tests](#)

[CSU stats](#)

[Diagnostic tools](#)

[Link status](#)

[Usage Metrics](#)

[Hunt groups](#)

[Call-by-Call](#)

Maintenance

[System version](#)

[Port/DN status](#)

[Module status](#)

Programming overview (Profiles 2 and 3)

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

Profile	PROF 1
Dialpad	Q, Z:0
Startup	
Template	(MICS)Square/(XC)PBX
Start DN	221
Terminals&Sets	
<i>Show set: _</i>	
Line access	
Line assignment	
<i>Show line: _</i>	
(If it is a Non-DID line)	
L001	Unassigned
(If it is a DID line)	
L001	1
LinePool access	
LinePool A	Y
(if there are PRI pools)	
LinePool PRI-A	N
Prime line	IC
Intercom keys	2
Answer DN's	
<i>Show set: _</i>	
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
<i>(if Hotline=Extrnl and number specified)</i>	
	Use prime line
Aux. ringer	N
Allow redirect	N
Redirect ring	1

Intrusion	
Protect Lvl	None
ATA settings	
ATA ans timer	7
ATA use	Off site
MsgIndicate	None
ATA dvc	Modem
SM Supervisor	N
SWCA call group	
Name	221
User preferences	
Mdl	M7208
Button prgming	
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
Restrictions	
Restrn filters	
<i>Show filter: _</i>	
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	
<i>Show line: _</i>	
Normal	None
Night	None
Evening	None
Lunch	None
Sched 4	None
Sched 5	None
Sched 6	None
Telco features	
Feature Assignment	
<i>Show line: _</i>	
Caller ID set	N
Extl VMsg set	N
1st Display	Name
Called ID	N
Call Log Set	
Log space	

Log	0	Pool	600
Lines			
<i>Show line: _</i>			
Trunk/Line data			
<i>(If Target Line)</i>			
Line type	Public		
Rec'd #	None		
PrimeSet	221		
Distinct Ring	None		
Aux. ringer	N		
If busy	PrimeSet		
<i>(If PRI Lines (001 to 030, 031 to 060))</i>			
<i>Profile 2 only</i>			
Trunk Type	PRI		
Line type	PRI-A		
PrimeSet	221		
Distinct Ring	None		
<i>(If T1 and Loopstart) Profile 3 only</i>			
Trunk Type	Loop		
Line type	Pool A		
Dial mode	Tone		
PrimeSet	221		
Distinct Ring	None		
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		
<i>(If T1 and Groundstart) Profile 3 only</i>			
Trunk Type	Ground		
Line type	Pool A		
Dial mode	Tone		
PrimeSet	221		
Distinct Ring	None		
Auto privacy	Y		
Ans mode	Manual		
Ans with DISA	Y		
Aux. ringer	N		
<i>(If T1 and E&M) Profile 3 only</i>			
Trunk Type	E&M		
Line type	Pool A		
Dial mode	Tone		
PrimeSet	221		
Distinct Ring	None		
Auto privacy	Y		
Ans mode	Manual		
Ans with DISA	Y		
Aux. ringer	N		
Signal	Winkstart		
ANI number	N		
DNIS number	N		

Gain	Normal
<i>(If T1 and DID) Profile 3 only</i>	
Trunk Type	DID
Line type	Pool A
Dial mode	Tone
PrimeSet	221
Distinct Ring	None
Ans mode	Manual
Ans with DISA	Y
Link at CO	N
Aux. ringer	N
Signal	Winkstart
ANI number	N
DNIS number	N
Gain	Normal
<i>(If BRI-2 or BRI-ST)</i>	
Trunk Type	BRI-ST
Line type	Pool A
PrimeSet	221
Distinct Ring	None
Auto privacy	Y
Ans mode	Manual
Ans with DISA	Y
Aux. ringer	N
Full AutoHold	N
Name	Line001
Restrictions	
Restrn 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

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

Defaults are shown in **bold and underlined**

Services

Ringing service

Ringing groups	
Show group: _	
Ring grp 01	
Show set: _	
221	Assigned
222	Unassigned
Sched: Night	
Service	Off
Trunk answer	Y
ExtraDial	221
Line settings	
Show line: _	
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
Sched: Evening	
Sched: Lunch	
Sched: Sched 4	
Sched: Sched 5	
Sched: Sched 6	

Routing service

Routes	
Show route: _	
DialOut	no numbr
Use: PoolA..., Pool O, Dest codes	
Show DstCode: _	
DstCode:	
Normal	000
Absorb length	
Sched: Night	None
First route	
Absorb length	
Second route	
Absorb length	
Third route	
Absorb length	
Sched: Evening	None
Sched: Lunch	None
Sched: Sched 4	None
Sched: Sched 5	None
Sched: Sched 6	None

Second dial tone

Sched: Night	
Service	Off
Overflow	N
Sched: Evening	
Sched: Lunch	

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

Common settings

Control sets	
For lines	
Show line: _	
L001	221
For sets	
Show set: _	
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		01
Wednesday		00
Thursday		02
Friday		01
Saturday		01
Sunday		01

Sys speed dial

Speed dial #: _ (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

Show pswd #: _	
COS pswd #00	
Pswd 00	None
User flt	None
Line flt	None
Remote pkg	None

Call log pswds

Show set: _	
Log pswd	None

Progrming pswds

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

Hospitality

Desk pswd	46Z
(HOSP)	
Cond pswd	None

SM password

74536I

Time&Date

Hour		01
Minutes		00
Year		02
Month		01
Day		01

System prgrming

Hunt groups

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

Aux. ringer **N**
Distinct Ring **None**

Change DNs

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

Featr settings

Backgrnd music	N
On hold	Tones
Receiver volume	
Use sys volume	
Camp timeout	45
Park timeout	45
Park mode	Lowest
Trnsfr callbk	4
DRT to prime	Y
DRT delay	4
Held reminder	N
Remind delay	60
Directd pickup	Y
Page tone	Y
Page Timeout	180
AutoDS	Std
AutoTime&Date	Y
SWCA cntl	
Auto Associate	
Auto Assc I/C	N
Invoke by Hold	N
SWCA Hold I/C	N
Call log	set
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
Silent Monitor	N
Clid match	8

Direct-dial

D-Dial 1	Intrnl
Use prime line	

CAP/KIM assignment

CAP1/KIM1	None
-----------	-------------

Dialing Plan

Private network	
Type	None
Priv DN len	3
Type	CDP
PrivNetId	1
Priv DN len	3
Type	UDP
PrivNetId	3

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

Defaults are shown in **bold and underlined**

Loc code	<u>None</u>
Priv DN len	<u>4</u>
Public network	
Pub DN lengths	
Show prefix:	
Prfx:Deft	
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)	<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	
Show line: _	
L001 Rem pkg	<u>00</u>

Rec'd # length

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

Nat'nl length

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

BusName

Release reasons	
Text:	<u>None</u>

Hospitality

Room/desk info	
Show set: _	
Room #: _	
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:	<u>None</u>
Use Tone:	<u>N</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>

SM sets

	<u>5</u>
--	----------

Telco features

VMsg ctr tel#s

VMsg center 1	
Use: Linelrouting tbl	
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

(Not used with Profiles 2 and 3)

Hardware

Show Module: _	
Cards on KSU	
Cd1-KSU	<u>Loop</u>
Card type	<u>Loop</u>
Lines	
Discon timer	<u>460</u>
(If ETSI PRI card no MCDN) Profile 2 only	
Card type:	<u>PRI</u>
Lines	
Protocol	<u>Euro</u>

ClockSrc	<u>Primary</u>
Ovlap recving	<u>N</u>
(If ETSI PRI card with MCDN) Profile 2 only	
Card type:	<u>PRI</u>
Lines	
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>
(If PRI protocol is for MCDN) Profile 3 only	
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>
(If T1 card) Profile 3 only	
Card type	<u>T1</u>
Lines	
Discon timer	<u>460</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>
(If DID card) Profile 3 only	
Card type	<u>DID</u>
Lines	
(If E&M card) Profile 3 only	
Card type	<u>E&M</u>
Lines	
Answer timer	<u>2</u>
(If BRI-2 or BRI-ST card)	
Card type	<u>BRI-ST</u>
Loops	
Loop aaa	
(For T type)	
Clock Src	<u>Primary</u>
ONN blk	<u>SuprsBit</u>
Ovlap recving	<u>N</u>
Public digit length	<u>8</u>
(For S type)	
Sampling	<u>Adaptive</u>
Assign DN's	
Show DN: _	<u>Availabl</u>
Loop DN: _	<u>None</u>
Cd2-KSU	<u>Loop</u>
Mod 03-08 (MICS)	<u>StnMod</u>
Mod 03-14 (MICS-XC)	<u>StnMod</u>

Maintenance

System version

Port/DN status

Module status

Sys test log

Sys admin log

Network evt log

Provisioning

Tests

CSU stats

Diagnostic tools

Link status

Usage Metrics

Hunt groups

Call-by-Call

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	<u>StnMod</u>	ASM	DataMod	
Mod 14	<u>StnMod</u>	ASM	DataMod	

Digital Mobility Hardware

Device	Location	Attached to:	ARI code/Control unit #
DM Controller (Primary)		Refer to handset record	
Basestation		DMC connector (1, 2)	
Basestation		DMC connector (1, 2)	
Basestation		DMC connector (1, 2)	
Basestation		DMC connector (1, 2)	
Basestation		DMC connector (1, 2)	
Basestation		DMC connector (1, 2)	
Basestation		DMC connector (1, 2)	
Basestation		DMC connector (1, 2)	
DM Controller (Secondary)		Refer to handset record	
Basestation		DMC connector (1, 2)	
Basestation		DMC connector (1, 2)	
Basestation		DMC connector (1, 2)	
Basestation		DMC connector (1, 2)	
Basestation		DMC connector (1, 2)	
Basestation		DMC connector (1, 2)	
Basestation		DMC connector (1, 2)	
Basestation		DMC connector (1, 2)	

Photocopy this record if you have two DMCs

Digital Mobility Phones

DMC port	Host TCM port	DN	Name	IPEI	Auth. code	Master?	Registered date	Removal date
0								
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								

Photocopy pages before using.

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>PBX</u> DID CENTREX SQUARE HYBRID
Start DN	221 _____

Capabilities

(Terminals&Sets: Capabilities)

Sets: (max. 7 digits)							
Fwd no answer	None to:	None to:	None to:	None to:	None to:	None to:	None 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	None to:	None to:	None to:	None to:	None to:	None to:	None to:
DND on Busy	Y N	Y N	Y N	Y N	Y N	Y N	Y N
Handsfree	Auto Std None	Auto Std None	Auto Std None	Auto Std None	Auto Std None	Auto Std None	Auto Std None
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 None	0 1 <u>2</u> 3 4 5 6 7 8 9 None	0 1 <u>2</u> 3 4 5 6 7 8 9 None	0 1 <u>2</u> 3 4 5 6 7 8 9 None	0 1 <u>2</u> 3 4 5 6 7 8 9 None	0 1 <u>2</u> 3 4 5 6 7 8 9 None	0 1 <u>2</u> 3 4 5 6 7 8 9 None
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	Set1 Set __ None	Set1 Set __ None	Set1 Set __ None	Set1 Set __ None	Set1 Set __ None	Set1 Set __ None	Set1 Set __ None
Priority call	Y N	Y N	Y N	Y N	Y N	Y N	Y N
Hotline	None Intrnl# __ Extrnl# __	None Intrnl# __ Extrnl# __	None Intrnl# __ Extrnl# __	None Intrnl# __ Extrnl# __	None Intrnl# __ Extrnl# __	None Intrnl# __ Extrnl# __	None Intrnl# __ Extrnl# __
Use Hotline on: (If Hotline = Extrnl)	Use prime line Use line #: __ Pool code: Use routing tabl:	Use prime line Use line #: __ Pool code: Use routing tabl:	Use prime line Use line #: __ Pool code: Use routing tabl:	Use prime line Use line #: __ Pool code: Use routing tabl:	Use prime line Use line #: __ Pool code: Use routing tabl:	Use prime line Use line #: __ Pool code: Use routing tabl:	Use prime line Use line #: __ Pool code: Use routing tabl:
Aux. ringer	Y N	Y N	Y N	Y N	Y N	Y N	Y N
Allow redirect	Y N	Y N	Y N	Y N	Y N	Y N	Y N
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	None , Low, Med, High	None , Low, Med, High	None , Low, Med, High	None , Low, Med, High	None , Low, Med, High	None , Low, Med, High	None , 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 Off site	On site Off site	On site Off site	On site Off site	On site Off site	On site Off site	On site Off site
ATA dvc	Modem Telephon	Modem Telephon	Modem Telephon	Modem Telephon	Modem Telephon	Modem Telephon	Modem Telephon
MsgIndicate	None Tone Lamp	None Tone Lamp	None Tone Lamp	None Tone Lamp	None Tone Lamp	None Tone Lamp	None Tone Lamp
SM Supervisor	N Y	N Y	N Y	N Y	N Y	N Y	N Y

SWCA call group SWCA buttons	Group Btn:	Group Btn:	Group Btn:	Group Btn:	Group Btn:	Group Btn:	Group Btn:
*521	1	1	1	1	1	1	1
*522	2	2	2	2	2	2	2
*523	3	3	3	3	3	3	3
*524	4	4	4	4	4	4	4
*525	5	5	5	5	5	5	5
*526	6	6	6	6	6	6	6
*527	7	7	7	7	7	7	7
*528	8	8	8	8	8	8	8
*529	9	9	9	9	9	9	9
*530	10	10	10	10	10	10	10
*531	11	11	11	11	11	11	11
*532	12	12	12	12	12	12	12
*533	13	13	13	13	13	13	13
*534	14	14	14	14	14	14	14
*535	15	15	15	15	15	15	15
*536	16	16	16	16	16	16	16

Name

(Terminals&Sets: Name)

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

User preferences

(Terminals&Sets: User preferences)

Mdl						
Button prgming	Record button programming starting on page 18.					
User speed dial (256-279)	Record user speed dial numbers starting on page 25.					
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...
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
(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
(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
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
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

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Button prgrming

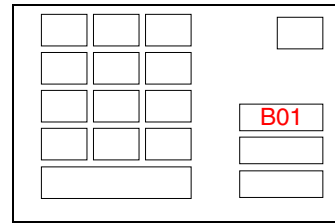
Enter the button programming information for each telephone in the appropriate table.

7100 Button Programming

Business Series Terminal



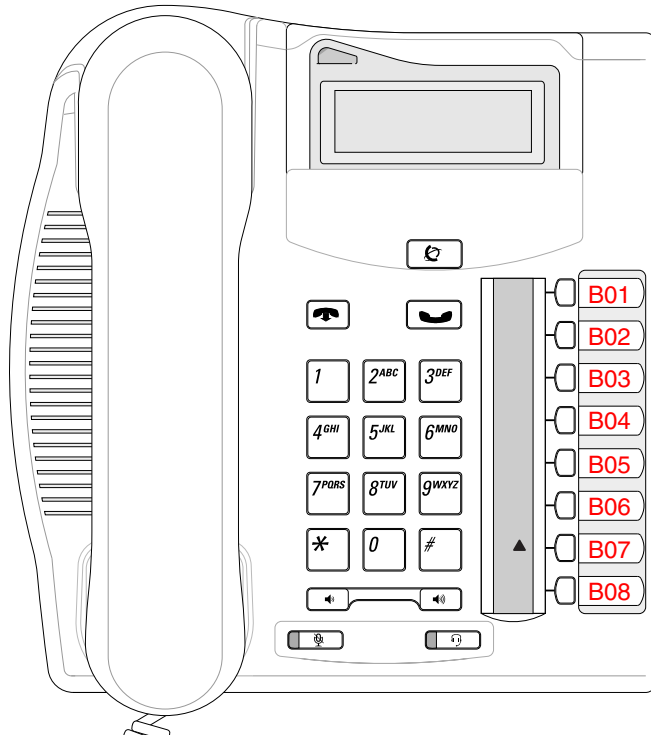
Legacy Norstar set



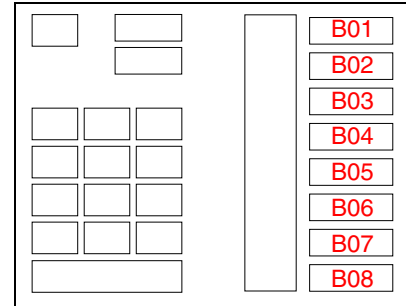
7100	Prgmrng	All defaults
B01		Last No.

Model 7208 Button Programming

Business Series Terminal

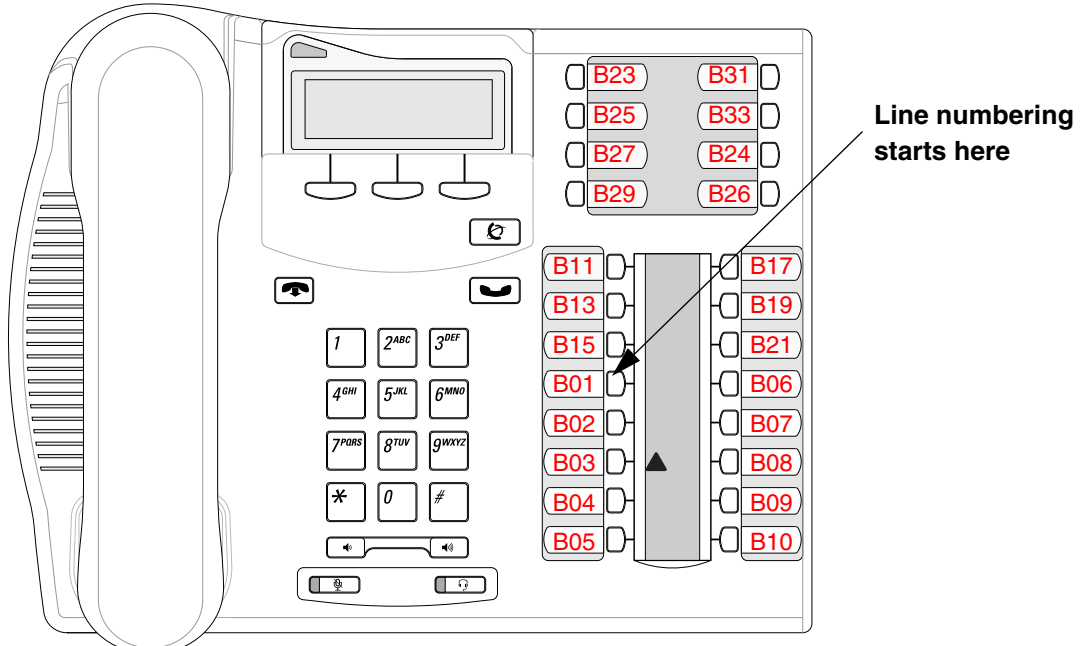


Legacy Norstar set



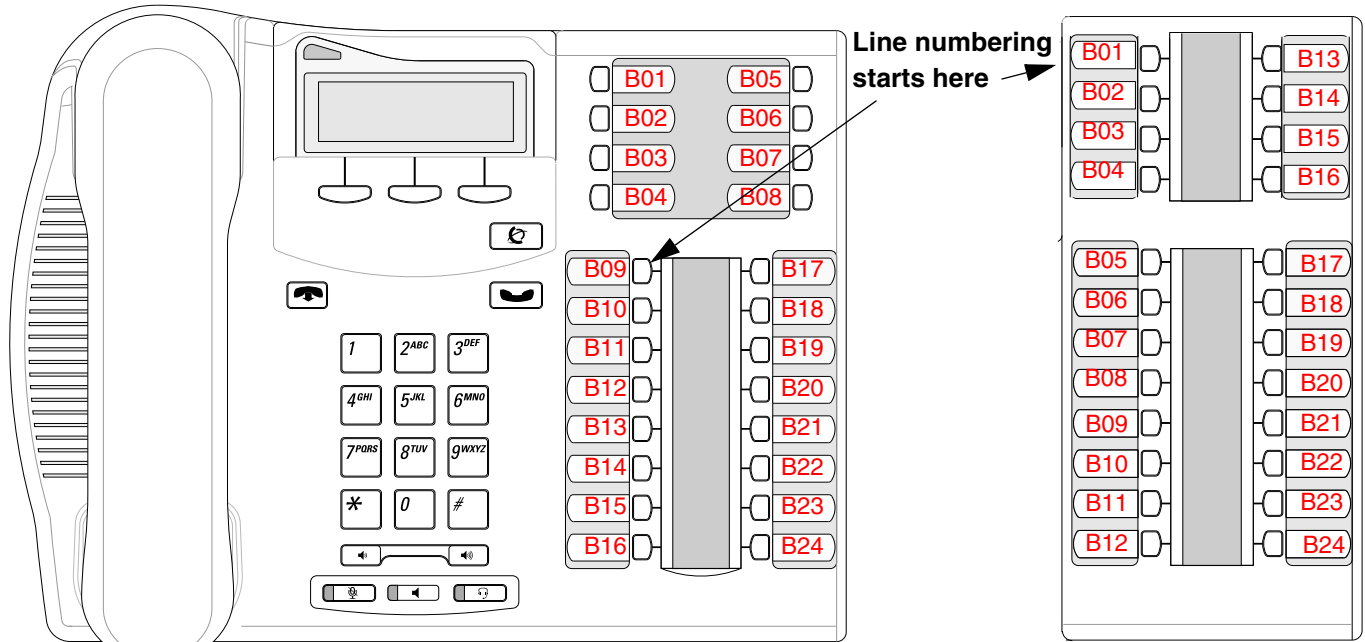
7208	Pgrming	Square	Centrex	Hybrid	PBX	DID
B01		Line 1	Line <XX>	Line 1	Pick-Up	Line <XX>
B02		Line 2	Transfer	Line pool	Transfer	Transfer
B03		Last No.			Last No.	
B04		Page	Link	Page	Page	Page
B05		Conf/ Trans			Conf/ Trans	
B06		Speed Dial			Speed Dial	
B07		Intercom			Intercom	
B08		Intercom			Intercom	

Model T7316 Button Programming



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

Model T7316E and KIM Button Programming



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

KIM

Note: MICS systems will support up to five enhanced central answering positions (eCAPs) . This includes T7324+CAP modules and T7316E+eKIMs.

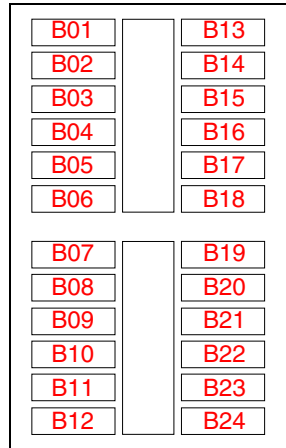
OKIM or eKIM							
KIM1	Pgrming		KIM1	Pgrming		KIM1	Pgrming
B01			B09			B17	
B02			B10			B18	
B03			B11			B19	
B04			B12			B20	
B05			B13			B21	
B06			B14			B22	
B07			B15			B23	
B08			B16			B24	

OKIM or EKIM							
KIM2	Pgrming		KIM2	Pgrming		KIM2	Pgrming
B01			B09			B17	
B02			B10			B18	
B03			B11			B19	
B04			B12			B20	
B05			B13			B21	
B06			B14			B22	
B07			B15			B23	
B08			B16			B24	

OKIM or EKIM							
KIM3	Pgrming		KIM3	Pgrming		KIM3	Pgrming
B01			B09			B17	
B02			B10			B18	
B03			B11			B19	
B04			B12			B20	
B05			B13			B21	
B06			B14			B22	
B07			B15			B23	
B08			B16			B24	

OKIM or EKIM							
KIM4	Pgrming		KIM4	Pgrming		KIM4	Pgrming
B01			B09			B17	
B02			B10			B18	
B03			B11			B19	
B04			B12			B20	
B05			B13			B21	
B06			B14			B22	
B07			B15			B23	
B08			B16			B24	

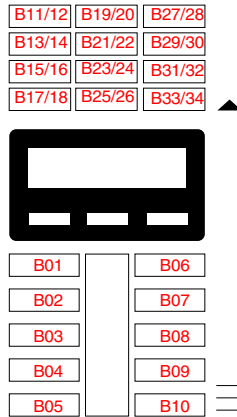
Legacy Norstar 7324 Button Programming and CAP Assignments



7324	Prgmring	Square	Centrex	Hybrid	PBX	DID
B01		Line #				Line #
B02		Line #		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.		
B17		Conf/Trans				
B18		Transfer				
B19		DND				
B20		Grp Pickup				
B21		Voice Call				
B22		Page Gnrl				
B23		Intercom				
B24		Intercom				

CAP	No defaults	CAP	No defaults
B01		B25	
B02		B26	
B03		B27	
B04		B28	
B05		B29	
B06		B30	
B07		B31	
B08		B32	
B09		B33	
B10		B34	
B11		B35	
B12		B36	
B13		B37	
B14		B38	
B15		B39	
B16		B040	
B17		B041	
B18		B042	
B19		B043	
B20		B044	
B21		B045	
B22		B046	
B23		B047	
B24		B048	

Legacy Norstar M7310 Button Programming



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

Set restrns

(Terminals&Sets; Restrictions; Set restrns)

Sets: (max. 7 digits)								
names (max. 7 char.)								
Filters								
Normal	<u>02</u>	02 , _____	02 , _____	02 , _____	02 , _____	02 , _____	02 , _____	02 , _____
Night	<u>11</u>	11 , _____	11 , _____	11 , _____	11 , _____	11 , _____	11 , _____	11 , _____
Evening	<u>12</u>	12 , _____	12 , _____	12 , _____	12 , _____	12 , _____	12 , _____	12 , _____
Lunch	<u>13</u>	13 , _____	13 , _____	13 , _____	13 , _____	13 , _____	13 , _____	13 , _____
Sched 4	<u>00</u>	00 , _____	00 , _____	00 , _____	00 , _____	00 , _____	00 , _____	00 , _____
Sched 5	<u>00</u>	00 , _____	00 , _____	00 , _____	00 , _____	00 , _____	00 , _____	00 , _____
Sched 6	<u>00</u>	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
Allow last no	<u>Y</u>	N	<u>Y</u>	N	<u>Y</u>	N	<u>Y</u>	N
Allow saved no	<u>Y</u>	N	<u>Y</u>	N	<u>Y</u>	N	<u>Y</u>	N
Allow link	<u>Y</u>	N	<u>Y</u>	N	<u>Y</u>	N	<u>Y</u>	N

Line/set restrns

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

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

Telco features (Terminals&Sets:Telco features)

Feature assignmnt

(Terminals&Sets;Telco features; Feature assignmnt)

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

1stDisplay

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

	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)

	<u>YN</u>	<u>YN</u>	<u>YN</u>	<u>YN</u>	<u>YN</u>	<u>YN</u>	<u>YN</u>
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Call log set

(Terminals&Sets;Telco features; Call log set)

	Line#: Y <u>N</u>	Line#: Y <u>N</u>	Line#: Y <u>N</u>	Line#: Y <u>N</u>	Line#: Y <u>N</u>	Line#: Y <u>N</u>	Line#: Y <u>N</u>
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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 <u>Tone</u>	Pulse <u>Tone</u>	Pulse <u>Tone</u>	Pulse <u>Tone</u>
PrimeSet	221 None	221 None	221 None	221 None
Auto privacy	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N
Ans mode	<u>Manual</u> Auto	<u>Manual</u> Auto	<u>Manual</u> Auto	<u>Manual</u> Auto
Ans with DISA (Only if Ans mode is Auto)	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N	<u>Y</u> N
Aux. ringer	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>
Signal	<u>Winkstart</u> Immediate DelayDial	<u>Winkstart</u> Immediate DelayDial	<u>Winkstart</u> Immediate DelayDial	<u>Winkstart</u> Immediate DelayDial
ANI number (Only if Signal is Wink- Start or Immediate)	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>
DNIS number (Only if signal is Wink- Start or Immediate and Ans mode is Manual)	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>	Y <u>N</u>
Gain (Only if analog E&M)	<u>Normal</u> High	<u>Normal</u> High	<u>Normal</u> High	<u>Normal</u> High
Distinctive ring	<u>None</u> 2 34	<u>None</u> 2 34	<u>None</u> 2 34	<u>None</u> 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	PRI-A PRI-B PRI-C PRI-D	PRI-A PRI-B PRI-C PRI-D	PRI-A PRI-B PRI-C PRI-D	PRI-A 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 PRI ETSI

(Profiles 2 only)

Line no. (3 digits)				
Telephone number (supplied by the CO)				
Trunk type	PRI	PRI	PRI	PRI
Line type	PRI-A PRI-B	PRI-A PRI-B	PRI-A PRI-B	PRI-A 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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Photocopy pages before using.

Services

Ringling service

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

A=Assigned; U=Unassigned

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

Ringling Service

(Services; Ringling 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	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					

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	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					

Restrn service

(Services: Restrn service)

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

If PRI-A, PRI-B, PRI-C, or PRI-D

(Services; Routing service) (Profiles 1 and 4 only)

Protocol:	Srvctype:			
NI-2	Public Tie FX OUTWATS			
DMS100	FX	800		
DMS250	FX	800	900	
AT&T 4ESS	800	1800	900	SDS

If service type requires service id

(Services; Routing service) (Profiles 1 and 4 only)

ServiceID: <valid service id #>	None
------------------------------------	------

If Protocol is SL-1 or TIE service type

(Services; Routing service) (Profiles 1 and 4 only)

DN type:	Public	Private
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Second dial tone

(Services; Second Dial tone)

Table #	Dial string	Destination
01		
02		
03		
04		
05		
06		
07		
08		
09		
10		

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
-------------	----------------	-------------	--------------	------------

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 13.)

Featr settings

(System prgrming; Featr settings)

Background music	Y	<u>N</u>									
On hold	<u>Tones</u> Music Silence										
Receiver volume	<u>Use sys volume</u> Use set volume										
Camp timeout	30	<u>45</u>	60	90	120	150	180				
Park timeout	30	<u>45</u>	60	90	120	150	180	300	600		
Park mode	<u>Lowest</u>		Cycle								
Trnsfr callbk	<u>3</u>	<u>4</u>	5	6	12						
DRT to prime	<u>Y</u>	N									
DRT delay	1	2	3	<u>4</u>	6	10					
Held reminder	Y	<u>N</u>									
Remind delay	30	<u>60</u>	90	120	150	180					
Directed pickup	<u>Y</u>	N									
Page tone	<u>Y</u>	N									
Page Timeout	15	30	60	120	180	300	600	2700			
AutoDS	<u>Std</u>	Extd		None							
AutoTime&Date	<u>Y</u>	N									
SWCA Cntrl											
Auto Associate	<u>Manual on park</u>		Manual LOC		Automatic LOC						
Auto Assc I/C	Y	<u>N</u>									
Invoke by Hold	Y	<u>N</u>									
SWCA Hold I/C	Y	<u>N</u>									
Call log	<u>Sets</u>		Lines								
Call log space											
Space/log											
Host delay	200	400	600	800	<u>1000</u>	1200	1400	1600	1800	2000	
Link time	100	200	300	400	500	<u>600</u>	700	800	900	1000	
Alarm set	<u>221</u>										
Set relocation	Y	<u>N</u>									
Msg Reply enh	Y	<u>N</u>									
Ans. key	<u>Basic</u>		Enhanced		Extended						
Silent Monitor	<u>N</u>	Y									
Clid match	3	4	5	6	7	<u>8</u>	None				

Direct-dial

(System prgrming; Direct-dial)

	D-Dial1	D-Dial2	D-Dial3	D-Dial4	D-Dial5
Direct-dial	<u>Intrnl</u> Extrnl None	<u>Intrnl</u> Extrnl None	<u>Intrnl</u> Extrnl None	<u>Intrnl</u> Extrnl None	<u>Intrnl</u> 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/KIM assgn

(System prgrming; CAP/KIM assgn) Allows lines to be assigned to the modules on the CAP.

CAP1/KIM1	None _____
CAP2/KIM2	None _____
CAP3/KIM3	None _____
CAP4/KIM4	None _____
CAP5/KIM5	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	<u>1</u>	2	3	4	5	6	7	8	9	None
Extrnl code	0	1	2	3	4	5	6	7	8	9	None
Direct-dial	<u>0</u>	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
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Business name

(System prgrming; BusName)

BusName:	_____
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CbC limits

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

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

Release reasons

(System prgrming; Release reasons)

Release reasons	_____
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Photocopy pages before using

Hospitality

(System prgrming; Hospitality)

Room/desk info								
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 intervl: (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						

SM sets

(Telco features; SM sets)

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

Network Services

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

(Network Services/ETSI)

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

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

(Network Services/MCDN)

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

Telco features

VMSg ctr tel#s

(Telco features; VMSg ctr tel#s)

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

ONN blocking

(Telco features; ONN blocking)

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

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

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

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

For S

(for Profiles 2 and 3 only)

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

For T

(for Profiles 2 and 3 only)

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

Modules

(for Profile 1 only)

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

MICS-XC (additional modules)

Mod 09	<u>StnMod</u> <u>ASM</u> <u>DataMod</u>
Mod 10	<u>StnMod</u> <u>ASM</u> <u>DataMod</u>
Mod 11	<u>StnMod</u> <u>ASM</u> <u>DataMod</u>
Mod 12	<u>StnMod</u> <u>ASM</u> <u>DataMod</u>
Mod 13	<u>StnMod</u> <u>ASM</u> <u>DataMod</u>
Mod 14	<u>StnMod</u> <u>ASM</u> <u>DataMod</u>

Modules

(for Profiles 2, 3 and 4 only)

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

MICS-XC (additional modules)

Mod 09	<u>StnMod</u>	<u>ASM</u>
Mod 10	<u>StnMod</u>	<u>ASM</u>
Mod 11	<u>StnMod</u>	<u>ASM</u>
Mod 12	<u>StnMod</u>	<u>ASM</u>
Mod 13	<u>StnMod</u>	<u>ASM</u>
Mod 14	<u>StnMod</u>	<u>ASM</u>

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 6.1 Installer Guide*.

Template specific defaults

For the Norstar MICS 7.1 system, the Square template is the default template. The Centrex, Hybrid, PBX and DID template are also available as an option at startup.

For the Norstar MICS-XC 7.1 system, the PBX template is the default template. The DID template is also available as an option at startup.

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 DN 221, 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		

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		

Legacy equipment programming (Companion handsets)

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)

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Software keys (SysID)

SysID: <8 digits>:	_____
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Companion ID

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

(System prgrmg; Companion; Radios and System prgrmg; 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

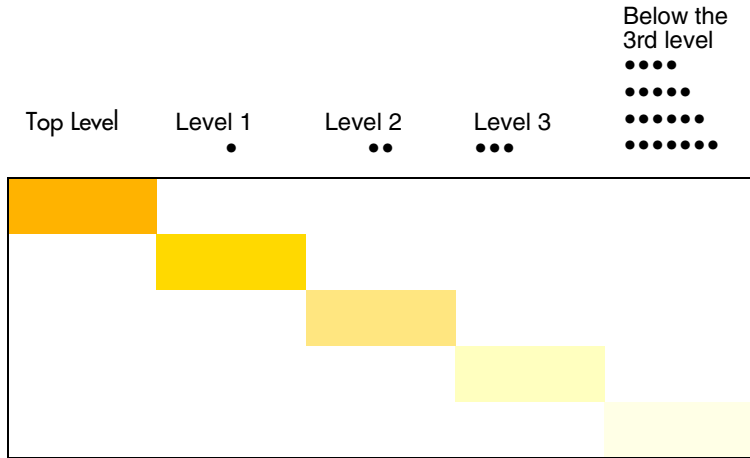
*. Write E if using an external antenna.

†. 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.

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.
<ul style="list-style-type: none"> • Template 	Select the template to assign the default values for the system.
<ul style="list-style-type: none"> • 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 <u>CHANGE</u> display key to choose how you want the line to show on the telephone (Appr & ring, Ring only, or Appr only). You can use the <u>SCAN</u> display key 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 DN's.
•••• 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 <u>CHANGE</u> display key to choose how you want the line to show on the telephone (Appr & ring, Ring only, or Appr only). You can use the <u>SCAN</u> display key to determine which DN's have been assigned.
••• OLI#	Enter the 10-digit outgoing line identification number.
•••• OLI # as calld	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 <input type="checkbox"/> 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 (<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>). 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 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> . A priority call can be refused at the set you call if the called party enters Do Not Disturb (<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>). 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 (<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>).
••• ATA settings	Analog telephones or other devices which are connected to the ICS using an Analog Terminal Adapter (ATA) may need the additional programming found under this subheading.
•••• ATA ans timer	This setting determines the timing between when an ATA-connected device dials out and when the device becomes ready to receive DTMF tone from the far end analog device.
•••• ATA use	Choose the setting that indicates where the ATA is situated (On Site/Off Site)

•••• MsgIndicate	Select the type of message indicator the ATA-connected device provides. (None, Tone, Lamp).
•••• ATA dvc	Set to enhance connectivity for telephones connecting to PRI and BRI lines through an ATA module. Choose Telephon for telephones, and Modem for other devices, such as fax machines.
••• SM Supervisor	Select whether the telephone can be used to perform silent monitoring on Hunt groups.
••• SWCA call group •••• Call 1: --- Call 16:	Assigns SWCA positions to telephones that do not have SWCA positions programmed onto memory keys, such as the WMC portable handsets, which have no memory keys. Assigning these positions allows the user to access calls parked on SWCA positions by entering the specific SWCA code (* 5 2 1 to * 5 3 6, respectively).
••• 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 preferences	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.
••• Button prgrming	Allows you to program the buttons with internal and external autodialers and/or programmed feature buttons.
•••• 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. Display keys: <u>Clr</u> / <u>Tel#</u> / <u>Featr</u>
••••• Tel # dest'n?	This is the display you receive if you press the <u>TEL#</u> display 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 <u>FEATR</u> display 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 <u>TEL#</u> display 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
••••• Pg Zone All:F610 ••••• Page Zone 1:F611 ••••• Page Zone 2:F612 ••••• Page Zone 3:F613 ••••• Page Zone 4:F614 ••••• Page Zone 5:F615 ••••• Page Zone 6:F616	Page internally by zone. Zone 0 pages all zones.
••••• Page Spkr:F62	Page through an external loudspeaker system.
••••• Pg All, Spkr:F630 ••••• Page Spkr+1:F631 ••••• Page Spkr+2:F632 ••••• Page Spkr+3:F633 ••••• Page Spkr+4:F634 ••••• Page Spkr+5:F635 ••••• Page Spkr+6:F636	Page through both sets and external loudspeaker system by zone. Zone 0 pages all zones.
••••• Line Pool:F64	Gives you access to line pools. Press this feature, then enter a line pool access code.
••••• Reply Msg:F65	Use to view and reply to messages.
••••• #Msg. Wait:F#65	Use to view number of message waiting.
••••• Voice Call:F66	Initiate a call/announcement through the speakers of another set without first ringing the set.
••••• Saved No.:F67	Use during a call to save a number for later redialing.
••••• Rst O'ride:F68	Use to override restrictions to allow entry of a COS password. Effective for current call, only.
••••• Priority:F69	Use to interrupt a call on another set.
••••• Transfer:F70	Use to transfer a call to another internal or external set.
••••• Link:F71	Use to generate a link signal to access a PBX or other host exchange.
••••• Call Park:F74	Use to put a call on hold that can be picked up at any other set. The display shows a three-digit retrieval code.
••••• Grp Pickup:F75	Use to answer a call that is ringing at another set. External calls are answered in sequence.
••••• Dir Pickup:F76	Use to answer a call to your set from another set.
••••• Call Timer:F77	Use to display the duration of current or most recent call.
••••• Pause:F78	Use to program a pause (1.5 second) delay into an external autodial sequence.
••••• Excl. Hold:F79	Use to put a group call on hold. The call shows busy on all other sets in the group.

••••• Trunk Answr:F800	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.
••••• Call Queue:F801	Use to answer the next call.
••••• Grp. Listen:F802	Use to receive to both the speakers and the handset on a set.
••••• 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)
••••• Sil Mon:F*550	Allows users at a supervisor terminal to monitor external Hunt group calls.
••••• Contrast:F*7	Use to adjust contrast of display
••••• Static time:F806	Change the first line of the display to the current time and date.
••••• Call:F*521 F*536	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.
••••• SWCA free:F*520	Searches for next available free SWCA position assigned to the telephone.
••••• Oldest:F*537	Retrieves the call that has been parked the longest on a SWCA position assigned to the telephone.
••••• Newest:F*538	Retrieves the call that has most recently been parked on a SWCA position assigned to the telephone.
••• User speed dial	Use these commands to program user speed dialers. (codes: 256 to 279)
••• Call log opt'ns	Select whether the set will log all calls, no calls, or only unanswered calls.
••• Dialing opt'ns	Select standard dial, pre-dial, or automatic dial.
••• Language	Choose the display language: English, French or Spanish. Note: Language choices depend on system setup.
••• Display cntrst	Select a display contrast level.
••• Ring type	Select a ring type.
•• Restrictions	Use these commands to create and assign restriction filters. These filters are used to prevent a user from making certain kinds of calls from a telephone during normal or scheduled operation periods.
••• Restrtn filters	
••• Set restrns	Select restrictions for specific set or all sets.
•••• Filters	Choose the filter you want to program.
••••• Normal ••••• Night ••••• Evening ••••• Lunch ••••• Sched 4 ••••• Sched 5 ••••• Sched 6	For each line, enter the number (two-digits) of the restriction filter to apply during normal service and each of the schedules.
•••• Set lock	Select the level of personal programming and customizing that can be performed at a telephone.

.... Allow last no	Select whether a telephone can use Last Number Redial (<input type="checkbox"/> 5).
.... Allow saved no	Select whether a telephone can use Saved Number Redial (<input type="checkbox"/> 6 <input type="checkbox"/> 7).
.... Allow link	Select whether a telephone can use Link (<input type="checkbox"/> 7 <input type="checkbox"/> 1) 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.
<ul style="list-style-type: none"> 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 as 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.
... Call log set	If Call log is set to log calls for lines, use the information under this heading to determine which lines will log calls. Lines must have an appearance on the telephone, but they do not need to ring.
... 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.

••• 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 restrtns	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 restrtns	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.
•• Second dial tone	This heading provides a 10-space table for entering leading digits for destination that require a second dial tone between sections of the dial string.
•• 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	Each of the next six schedules allow you to define three possible routes that an outgoing call may take.
•••• First route •••• Absorb Length •••• Second route •••• Absorb Length •••• Third route •••• Absorb Length	Enter route numbers and determine the amount of the destination code that needs to be suppressed to use these routes. The routes are listed in hierarchal order. The system attempts the first route, first, and only moves to the second route if the first route is not available. If the second route is also not available, the call will attempt to use the third route. If none of the routes are available, the call will go to the overflow route, if one has been specified.
•••• Evening •••• Lunch •••• Sched 4 •••• Sched 5 •••• Sched 6	For the last destination code, define a route for each of the schedules that you want to activate for this code.
•• 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.
••• 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.
••• 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. (Companion)	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.
• SM password	Enter the password that the supervisor using Silent Monitoring will enter.

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"/> <input type="checkbox"/> <input type="checkbox"/>). 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.

•• 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.
•• Silent Monitor	Use this command to determine if the Silent Monitoring feature will emit a conference tone when supervision occurs. (Y = tone; N = no tone)
•• CLID Match	Use this command to determine how many digits an incoming calls must match to a System Speed Dial listing to allow the speed dial name to display for the call.
• Direct-dial	Select whether an internal or external number is used for the Direct-dial telephone.
•• D-Dial 1	Enter the internal or external numbers that the system will automatically dial when someone enters the Direct-dial digit.
••• Intrnl#	Enter the DN number of the direct-dial telephone. If it is an external number, you will also have to choose how the outgoing call is made.
•• D-Dial 2 •• D-Dial 3 •• D-Dial 4 •• D-Dial 5	Program the settings for each direct-dial telephone, as you did for Set 1.
• CAP/KIM assignment	Use these commands to assign the DNs of telephones to a the central answering position (CAP) which can be composed of an M7234+ CAP modules or a T7316E+eKIMs.
•• CAP 1 or KIM1 •• CAP 2 or KIM2 •• CAP 3 or KIM3 •• CAP 4 or KIM4 •• CAP 5 or KIM5	Enter the DN of the CAP telephones.
• Dialing plan	
•• Private network	If you are networking your system using dedicated PRI lines, you need to set up the same dialing plan on all nodes of the system.
••• Type	(None, CDP, UDP) This fields defines the type of dialing plan.
••• PrivNetID	(CDP and UDP only) This is the unique network identifier for each node.
••• Loc code	(UDP only) This is the code that provides access to a UDP-based node.
••• Priv DN len	This is the number of digits the nodes require to recognize where the information needs to be routed.
•• Public network	If you are networking through PSTN public lines, you can specify which numbers will be recognized as belonging to the system.
••• Pub DN lengths	This is the DN length the system will recognize

•••• Show prefix	These are the prefixes the system will recognize.
•••• Prfx: Deflt	
••••• DN length	
•• Dial timeout	This is the timer for releasing a call that cannot be routed over the network.
••• Dial timeout	
• 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.
•• Extrnl code	Enter the one-digit external line access code. This code allows model 7000 and 7100 telephones and analog telephones to have access to external lines. The external line access code cannot be the same as the: <ul style="list-style-type: none"> • Call Park prefix • Direct-dial digit • first digit used by an internal DN
•• Direct-dial	Select the digit used to dial a Direct-dial telephone. The digit cannot be the same as the: <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
•• Auto DN	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: <ul style="list-style-type: none"> • line pool access code • destination code
•• DISA DN	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: <ul style="list-style-type: none"> • line pool access code • destination code

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

• Cells	These commands provide information about the cells within the system.
•• Show cell: _	Enter the number of the cell you wish to program.
•• Cell radios	Assign a radio to this cell.
••• Show radio: _	Enter the number of the radio.
•• Cell nghbrs	Assign a cell to be a neighbor. This is a cell that physically adjoins another cell.
••• Show nghbr	View neighbor information.
•• Cell rad nghbrs	Assign a cell to be a bordering cell to each cell neighbour.
•• Show RadNghbr	View cell radio neighbor information.
• System LID (MICS-XC systems, requires Companion keycode)	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.
• 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.
• SM Sets	Indicate the number of silent monitoring telephones that you want to allow in your system (1 - 30). Note that telephones that have been allowed as SM supervisors cannot be monitored.

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.
<ul style="list-style-type: none"> •• 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 system telephone with a two-line 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.
••• Send Name Display	PRI lines only (Profiles 1 and 4). This setting allows you to block outbound name display (business name and OLI) if the connecting switch does not support the feature.
••• 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.
•••• TxClk src	Select whether data travelling through the SDI is synchronized using timing (clocking) from the SDI or the DTE.
•••• TxClk 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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