SBX IP 320
Programming Guide

Vertical Communications, Inc. reserves the right to revise this publication and to make changes in content without notice.

LIMIT OF LIABILITY/DISCLAIMER OF WARRANTY

Vertical Communications, Inc. makes no representation or warranties with respect to the accuracy or completeness of the content of this publication and specifically disclaims any implied warranty of merchantability or fitness for any particular purpose, and shall not be liable for any loss of profit or any other commercial damage, including but not limited to, special, incidental, or consequential.

TRADEMARKS

Vertical Communications and the Vertical Communications logo and combinations thereof are trademarks of Vertical Communications, Inc. All other brand and product names are used for identification only and are the property of their respective holders.

RESTRICTED RIGHTS LEGEND

Use, duplication, or disclosure of the technical data contained in this document by the Government is subject to restrictions as set forth in subdivision (c) (1) (ii) of the Rights in Technical Data and Computer Software clause at DFARS 52.227-7013 and/or in similar or successor clauses in the FAR, or in the DOD or NASA FAR Supplement. Unpublished rights reserved under the Copyright Laws of the United States. Contractor/manufacturer is Vertical Communications, Inc., 10 Canal Park, Suite 602, Cambridge, MA 02141-2249.

REVISION HISTORY

Release	Date	Documentation Changes	Page No.
1.0	01-08	Initial Release NOTE: that this document contains information on ISDN, DCOB, and SMS. These features are currently not supported. Information pertaining to DID pertains only to SIP Trunking.	--

Contents

System Programming

Admin Programming Preparation

The SBX IP 320 System can be programmed to meet each customer's individual needs. Elements of Basic Admin Pre-programming are covered in the SBX IP 320 Installation Guide. Please refer to that manual to ensure you are prepared for Admin Programming of your SBX IP 320 System.

Note:

- All programming is done at one station (Station 100, Station Port #00, by default) using the 7224D Digital Key Telephone.
- Additional programming stations may be assigned (PGM 113 - FLEX 1), but only one DKT can be active in the programming mode at any one time.

When in programming mode, Station 100 does not operate as a normal telephone, but instead works as a programming instrument with all of the buttons redefined. The keys of the dial pad are used to enter the various data fields to enter numerical information:

Flexible Buttons - The 24 buttons located on the right side of the phone are used to indicate a specific data field and to enter information.

3 Soft Buttons (BACK / DELETE / SAVE) - they are used to go back, to delete data, or to save data input.

Entering Programming Mode

To enter programming mode, perform the following Steps:

1. Lift the Handset or press the speaker button on the Admin station. ICM dial tone will sound.
2. Press the [TRANS/PGM] button and dial * #. A confirmation tone will sound.
3. Enter the Admin password, if a password has been set; a confirmation tone sounds indicating that the Station is in Admin Programming mode. Note: By default, there is no password.

ADMIN PROGRAM START		
BACK	DELETE	SAVE

5. Each program is accessed by pressing the [TRANS/PGM] button The following will initially display:

ENTER PGM NUMBER		
BACK	DELETE	SAVE

6. Dial the desired three-digit program number. If an error is made while entering data, the [TRANS/PGM] button will return to the previous status.

Note: To return to the previous state while in Admin Programming, press the [BACK] soft button (clears the temporary data fields).

The following Table is frequently used in Admin Programming procedures. When entering each range, refer to the table, as the range is not always mentioned in the procedures. When entering a programming area that involves stations or CO lines, you are prompted to enter the range of stations or CO lines that you want to modify. To modify a single station or CO line, enter the same number twice, e.g., 100100 = Sta 100 only, 01-01 CO line 1 only.

STATION RANGE	CO RANGE	CO LINE GROUP RANGE
100-147 (100-131 is the usable station range for the current SBX IP 320 system)	01-36 (01-12 is the usable CO line range for the current SBX IP 320 system)	01-24

Permanent Update Procedure

To accept changes while programming, perform the following steps:

1. Press the [HOLD/SAVE] button when all changes have been entered to store the data permanently.
2. A confirmation tone should be heard when pressing the [HOLD/SAVE] button if all data was entered correctly. If there were any errors in the entering of data, an error tone will be presented and data will not be stored in the permanent memory.

Resetting the System

To reset the System, perform the following:

Enter [PGM] + 450 then [FLEX] +15 and press the [HOLD/SAVE] button.

Pre-Programming

Pre-programming for the following should have been done immediately following Installation of the SBX IP 320 System (refer to Chapter 6 "Starting the SBX IP 320" in the SBX IP 320 Installation Guide):

1. Site Name (PGM 100).
2. Default System Setup by resetting the SBX IP 320 (This causes PGM 113 - Btn 14 to be set to ON and PGM 181 to be set to 20 seconds)
3. Numbering Plans.
4. System IP Settings.

Admin Programming

Station Programming (PGM 110-132)

In Station Programming, the values of each Station can be customized using program numbers. When programmed using Station Ranges, all stations within that range will have the same programmed values.

Note: When programming Flex Buttons in a range, make sure that the range contains the same station type, e.g., all 7224D or all 7208D.

Station & DSS/BLF Map ID (PGM 110)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 110.
3. Enter the appropriate Station Range.
4. Follow the specific Procedure as listed in the Table.

PGM 110	DESCRIPTION	PROCEDURE	COMMENTS
Station ID Assignment	Station ID can be changed to the desired value which is different from the default value (e.g., normal DKTU /normal SLT). This identifies the type of telephone (digital, SLT Doorbox/ICM Box) attached to the system.	+ FLEX1 + 01 (Station ID) + [HOLD/SAVE]	VALUES - 01 = DKTU 05 = ICM BOX 06 = RESERVED 07 = SLT(DTMF) 08 = SLT(PULSE) 09 = RESERVED 10 = RESERVED 11 = RESERVED 12 = SLT - CID(FSK) 13 = SLT - CID(DTMF) 14 = IP Phone
DSS	One station can have up to 3 sequentially numbered multiple DSS maps.	+ FLEX1 + 02 (Station ID) + FLEX2 + Station Number + [HOLD/SAVE]	VALUES - 02 = DSS MAP 1 03 = DSS MAP 2 04 = DSS MAP 3

INITIAL BUTTON CONFIGURATIONS FOR DSS MAP

ITEM	DEFAULT	
DSS Map 1	Button 1: Intrusion	Button 2: All Call Page
	Button 3: Call Park 01	Button 4: Station Group 1
	Button 5: Camp-On	Button 6: Int All Call Page
	Button 7: Call Park 02	Button 8: Station Group 2
	Button 9: Group Call Pickup	Button 10: Ext All Call Page
	Button 11: Call Park 03	Button 12: Station Group 3
	Buttons 13-48: Sta Ports 100-135	
DSS Map 2	Station Ports 136-147	
DSS Map 3	Blank	

Station Attributes I (PGM 111)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 111.
3. Enter the appropriate Station Range.
4. Follow the specific procedure as listed in the Table.

PGM 111	DESCRIPTION	PROCEDURE	COMMENTS
Auto Speaker Select	If this value is set to ON, the Station User can access a CO line or make a DSS call by pressing the appropriate {CO} or {DSS} button without lifting handset or pressing the [SPEAKER] button.	+ FLEX1 + 0 (OFF) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Call Forward	If this value is set to ON, an incoming call can be forwarded to another destination.	+ FLEX2 + 0 (OFF) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
DND	If this value is set to ON, an incoming call can be denied.	+ FLEX3 + 0 (OFF) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON

PGM 111	DESCRIPTION	PROCEDURE	COMMENTS
Data Line Security	If this value is set to ON, override and camp-on from other stations are prohibited when this station is busy.	+ FLEX4 + 1 (ON) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Howling Tone (SLT)	If this value is set to ON, System gives a howling (loud error) tone when phone is in the off-hook state without action for an extended period of time.	+ FLEX5 + 0 (OFF) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Intercom Box Signaling	If this value is set to ON, Station can receive an intercom box signal.	+ FLEX6 + 1 (ON) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
No Touch Answer	If this value is set to ON, the station can respond to a transferred CO call automatically when station mode is Hands-free or Privacy mode.	+ FLEX7 + 0 (OFF) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Page Access	If this value is set to ON, Station can page another Station.	+ FLEX8 + 0 (OFF) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Ring Type	If this value is not 0 (OFF) the selected ring type is heard at the called party Station of an intercom call.	+ FLEX9 + 1 (Ring Type) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = Ring Type 2 = Ring Type 3 = Ring Type 4 = Ring Type
Speaker Ring	Determines if an incoming call will ring to the speaker, the handset, or both.	+ FLEX10 + 1 (Speaker) + [HOLD/SAVE]	VALUES - 1 = Speaker (S) 2 = Headset (H) 3 = Both (B)
Speakerphone	If this value is set to ON, Speakerphone can be used.	+ FLEX11 + 0 (OFF) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
VMIB Slot	Slot number of VMIB to be used	N/A	Only one slot used
ICM Group (Intercom Tenancy Group)	This feature selects the intercom Tenancy Group (1-5), this station belongs to.	+ FLEX13 + 02 (Group Number) + [HOLD/SAVE]	VALUES - 1- 5

PGM 111	DESCRIPTION	PROCEDURE	COMMENTS
Error Tone for Telephone Answering Device	If this value is set to ON, and TAD is used on the SLT port, when the caller hangs up, a busy tone will be provided to TAD instead of an error tone.	+ FLEX14 + 1 (ON) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
SLT Flash Drop	If this value is set to ON, CO Call can be dropped by pressing the [FLASH] button or Hook Flashing.	+ FLEX15 + 1 (ON) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Loop LCR Account Code	If this value is set to ON, the Station User must enter an Account Code to use Loop LCR.	+ FLEX16 + 1 (ON) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
VMIB Message Type	FIFO/LIFO plays the first recorded VMIB message, or the latest message, respectively.	+ FLEX17 + 1 (FIFO) + [HOLD/SAVE]	VALUES - 0 = LIFO 1 = FIFO
Off-net Call Forward	If this value is set to ON, off-net call forward can be used.	+ FLEX18 + 1 (ON) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Forced Hands Free	If this value is set to ON, the station can force the called party station to use the hands-free mode when it is ringing.	+ FLEX19 + 1 (ON) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
CID SLT CAS Gain (N/A for SBX IP 320)	This feature selects CID SLT CAS GAIN value.	+ FLEX20 + VALUE + [HOLD/SAVE]	Reserved
CID SLT FSK Gain (N/A for SBX IP 320)	This program sets FSK gain for CID SLT.	+ FLEX21 + VALUE+ [HOLD/SAVE]	Reserved
Caller Voice Over	If this value is set to ON, the station can make Voice-Over to busy station.	+ FLEX22 + VALUE + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON

PGM 111	DESCRIPTION	PROCEDURE	COMMENTS
SIP User ID Table Index	User ID table index for SIP outgoing call's caller ID information. If 00, then the SBX IP 320 makes caller ID based on station number. If 01-32, then programmed ID in user ID table (SIP Attributes 2 at PC Admin PGM 501) is used.	+ FLEX23 + VALUE + [HOLD/SAVE]	VALUES - 00-32
Listen Redial DTMF	If this value is set to ON, DTMF tone is heard to the station user while redial.	+ FLEX24 + VALUE + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON

Station Attributes II (PGM 112)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 112.
3. Enter the appropriate Station Range.
4. Follow the specific procedure as listed in the Table.

PGM 112	DESCRIPTION	PROCEDURE	COMMENTS
CO Warning Tone	Used to restrict outgoing call time. If this value is set to ON, the station user will receive a warning tone during a CO call after the timer expires.	+ FLEX1 + 1 (ON) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON ADMIN 180-FLEX 22
Automatic Hold	While seizing a CO line, the Station User secures another CO line by pressing the {CO} button. If this value is set to ON, the previous seized CO line will automatically be placed on Hold.	+ FLEX2 + 1 (ON) + [HOLD/SAVE]	VALUES - Default = OFF (Default = ON only for Attendant Station) 0 = OFF 1 = ON
CO Call Time Restriction	If this flag is set to ON, an outgoing CO call may be disconnected when Call Cut -Off Timer (PGM113-FLEX12) expires.	+ FLEX3 + 1 (ON) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON PGM 113-FLEX 12
Individual CO Line Access	If this value is set to ON, the Station User can access an individual CO line by dialing the individual CO access code.	+ FLEX4 + 0 (OFF) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON ADMIN 107-FLEX 8
CO Line Queuing	When a user of station receives a busy signal during an attempt to access a CO line, the user may request a call back (queued call) when the CO Line is available. If this value is set to ON, the Station User will receive a call back from the CO Line when one is available.	+ FLEX5 + 0 (OFF) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON

PGM 112	DESCRIPTION	PROCEDURE	COMMENTS
CO PGM	If this value is set to ON, the Station User can program a CO button to one of the available Flexible button.	+ FLEX6 + 0 (OFF) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Priority Line Answer (PLA)	If this value is set to ON, the station user can answer calls according to designated priority.	+ FLEX7 + 0 (OFF) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON ADMIN 173
Prepaid Call	If this value is set to ON, the Station User can use the Prepaid Call feature.	+ FLEX8 + 0 (OFF) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Speed Dial Access	If this value is set to ON, the station user can use system speed dial call.	+ FLEX9 + 0 (OFF) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Two-way Record	If this value is set to ON, the station user can record the incoming and outgoing voice during a conversation.	+ FLEX10 + 0 (OFF) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Fax Mode	If this value is set to ON, a single ring is provided and Attendant recall is not operated.	+ FLEX11 + 0 (OFF) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Off-net Call Mode	If this value is set to EXT, the station user can only forward CO calls to off-net (ex., mobile phone). Otherwise both CO and ICM calls can be forwarded to Off-net.	+ FLEX12 + 1 (EXT) + [HOLD/SAVE]	VALUES - 1 = External Off-net Call Fwd is only allowed (EXT) 0 = Internal and External Off-net Call Fwd are allowed (ALL)
UCD Group Service	This feature is used when a station receives a DID/DISA call. If this value is set to ON, the UCD Group the station belongs to will receive the incoming call. If this value is set to OFF, the station receives the incoming call directly whether the station is busy or not.	+ FLEX13 + 1 (ON) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON

PGM 112	DESCRIPTION	PROCEDURE	COMMENTS
Ring Group Service	This feature is used when a station in a Ring Group receives a DID/DISA call. If this value is set to ON, the Ring Group the station belongs to will receive the incoming call. If this value is set to OFF, the station receives the incoming call directly.	+ FLEX14 + 1 (ON) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Stop Camp-on Tone	If this value is set to ON, Camp on Tone is not heard.	+ FLEX15 + 1 (ON) + [HOLD/SAVE]	VALUES - 0 = DISABLE 1 = ENABLE
Line Length (SAF only - N/A for SBX IP 320)	This feature is used to distinguish the line length when the distance between the stations and the station boards is too variable.	+ FLEX16 + 1 (LONG) + [HOLD/SAVE]	VALUES - 0 = Short 1 = Long 2 = Far
Message Scroll Speed (Korea only - N/A for SBX IP 320)	The scroll speed of SMS or broadcasting notice message.	+ FLEX17 + 0 (FAST) + [HOLD/SAVE]	VALUES - 0 = Fastest 1-6 = Slower by number 7 = Slowest
Block Back Call	If this value is set to ON, SLT recalling is blocked after pressing the [FLASH] button.	+ FLEX18 + 1 (ON) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
I-Time RST (Incoming CO call time restriction)	If this value is set to ON, the conversation time of an incoming CO call is limited. After CO Call Restriction Timer is expired, the call is forced to disconnect.	+ FLEX19 + 1 (ON) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Forced Station Account Code	If this value is set to ON, a password is needed to access an outgoing CO line.	+ FLEX20 + 1 (ON) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
CID Type 2 Service (N/A for SBX IP 320)	If this value is set to ON, a busy station can receive additional CID information from an analog PSTN line.	+ FLEX21 + 1 (ON) + [HOLD/SAVE]	Reserved
Door Open	If this value is set to ON, the programmed Station can open a designated door by dialing the assigned Door Open Code.	+ FLEX22 + 0 (OFF) + [HOLD/SAVE]	VALUES - 0 = DISABLE 1 = ENABLE

PGM 112	DESCRIPTION	PROCEDURE	COMMENTS
Dummy Station	If this value is set to ON, a designated Station can be used as a dummy station, so a hot-desk agent can login at that location.	+ FLEX23 + 0 (OFF) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Emergency Supervisor	If this value is set to ON, this station can make emergency intrusion to other station	+ FLEX24 + 0 (OFF) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON

Station Attributes III (PGM 113)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 113.
3. Enter the appropriate Station Range.
4. Follow the specific procedure as listed in the Table.

PGM 113	DESCRIPTION	PROCEDURE	COMMENTS
Admin (DKTU only)	If this value is set to ON, the assigned Station Users can program the ADMIN Database.	+ FLEX1 + 1 (ON) + [HOLD/SAVE]	VALUES - Default = DISABLE (Default = ENABLE Only for Admin Station at station port 1) 0 = DISABLE 1 = ENABLE
VMIB Access	If this value is set to ON, the Station User can use VMIB.	+ FLEX2 + 1 (ON) + [HOLD/SAVE]	VALUES - 0 = DISABLE 1 = ENABLE
Group Listening	If this value is set to ON, the Station User can use group listening, while on a handset call by pressing the [SPEAKER] button; other people in the vicinity will be able to hear the conversation through the speaker. NOTE: Only the voice of the User on the handset will project their voice to the User on the other end of the call.	+ FLEX3 + 1 (ON) + [HOLD/SAVE]	VALUES - 0 = DISABLE 1 = ENABLE

PGM 113	DESCRIPTION	PROCEDURE	COMMENTS
Override Privilege	If this value is set to ON, the station user can override a CO Call.	+ FLEX4 + 0 (OFF) + [HOLD/SAVE]	VALUES - 0 = DISABLE 1 = ENABLE
SMDR Hidden Dialed Digits	If this value is set to ON, the dialed number of a CO Call will on appear on the SMDR record	+ FLEX5 + 0 (OFF) + [HOLD/SAVE]	VALUES - 0 = DISABLE 1 = ENABLE
Voice Over	If this value is set to ON, the busy Station can talk alternately between two calling or called parties.	+ FLEX6 + 0 (OFF) + [HOLD/SAVE]	VALUES - 0 = DISABLE 1 = ENABLE
Warm Line	If this value is set to HOT, the Station User can use Hot Line. Otherwise in the Warm Line state, the Warm Line Timer will start when the user lifts the handset or presses the [SPEAKER] button.	+ FLEX7 + 1 (HOT) + [HOLD/SAVE]	VALUES - 0 = WARM 1 = HOT ADMIN 122
VMIB MSG Retrieve Password	If this value is set to ON, the Station User must enter a password to retrieve VMIB Messages.	+ FLEX8 + 1 (ON) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
VMIB MSG Retrieve Date/Time	If this value is set to ON, Date and time will be heard when VMIB Messages are retrieved.	+ FLEX9 + 0 (OFF) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Alarm Attribute	If this value is set to ON, the Station will be able to receive alarm signals.	+ FLEX10 + 0 (OFF) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Mute Ring Service	If this value is set to ON, the station can get mute ring.	+ FLEX11 + 0 (OFF) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Call Cut Off Timer	Outgoing CO call time is restricted with this timer. Call is released automatically after this time. If it is 0, call is not released automatically.	+ FLEX12 + 0 (VALUE) + [HOLD/SAVE]	VALUES - 0-99 (MINUTES)
Barge In Mode	If monitor mode, barge in station can hear current conversation only. If speech mode, barge in station can converse together.	+ FLEX13 + 0 (VALUE) + [HOLD/SAVE]	VALUES - 0-DISABLE 1-MONITOR MODE 2-SPEECH MODE

PGM 113	DESCRIPTION	PROCEDURE	COMMENTS
Auto Forward to VMIB	When this value is set, call is answered by VMIB when FWD to VMIB timer is expired.	+ FLEX14 + 0 (OFF) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON PGM 181 - F20
Station Port Block	If this value is set to ON, Station is blocked so it's impossible to use that station.	+ FLEX15 + 0 (OFF) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON

Station Attributes IV (PGM 114)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 114.
3. Enter the appropriate Station Range.
4. Follow the specific procedure as listed in the Table.

PGM 114	DESCRIPTION	PROCEDURE	COMMENTS
Calling Line Identification Presentation (CLIP) LCD Display	If this value is set to ON, the CLI is displayed on the station's LCD.	+ FLEX1 + 0 (OFF) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Connected Line Identification Presentation (COLP) LCD Display	If this value is set to ON, the connected party CLI is displayed on the Station LCD.	+ FLEX2 + 1 (ON) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
CLI / Redirect Display	If this value is set to RED, the redirected CLI is displayed. Otherwise, the original CLI is displayed when using networking.	+ FLEX3 + 1 (RED) + [HOLD/SAVE]	VALUES - 0 = CLI 1 = RED
CLI MSG Wait	If this value is set to ON, the Station can receive CLI messages from an incoming CO call, when the Station doesn't answer.	+ FLEX4 + 1 (ON) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
EXT or CO ATD	If this value is set to ATD, CO ATD code is used for outgoing CLI information. Otherwise, the Station number is used as CLI information.	+ FLEX5 + 1 (ATD) + [HOLD/SAVE]	VALUES - 0 = EXT 1 = ATD(ADMIN 200)

PGM 114	DESCRIPTION	PROCEDURE	COMMENTS
Keypad Facility	If this value is set to KEYPAD, ISDN Station sends digits in the Keypad Facility after a call is connected. Otherwise DTMF is used.	+ FLEX6 + 1 (KEYPAD) + [HOLD/SAVE]	VALUES - 0 = DTMF 1 = KEYPAD
Long/Short	If this value is set to LONG, the ISDN Station acts in LONG passive mode.	+ FLEX7 + 1 (LONG) + [HOLD/SAVE]	VALUES - 0 = SHORT 1 = LONG
CPN Type	Designates the Called Party Number (CPN) type. If this value is set to 0, all SO stations of the S port will be ringing.	+ FLEX8 + 1 (Send Station number as CPN) + [HOLD/SAVE]	VALUES - 0 = Do not send CPN to S0. 1 = Send Station number as CPN 2 = Bypass CPN from the Network.
SO Sub Address	Indicates how the sub-address is used in the SETUP message. If this value is set to 0, the Station sub-address not used. If set to 1, sub-address is filled in the CPN field of the SETUP message. Otherwise, the sub-address is filled in the CPSN (Called Party Sub-address Number) field of the SETUP message.	+ FLEX9 + 1 (IN CPN field of SETUP)+ [HOLD/SAVE]	VALUES - 0 = Station sub-address not used. 1 = Station sub-address IN CPN 2 = Station sub-address IN CPSN
DISA Restriction	If this value is set to ON, the station is restricted to receive the DISA incoming call.	+ FLEX10 + 1 (ON)+ [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
CLI Name Display	If this field is ON, the system checks whether the received CLI matches with the speed dial data. If it matches, the speed dial name is displayed.	+ FLEX11 + 1 (ON)+ [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
ISDN CLI STA	Used as outgoing CLI when outgoing CLI is active and CLI type is EXT (Station).	+ FLEX12 + 1 (ON)+ [HOLD/SAVE]	VALUES - Default = Logical Station Number
Progress Indication	If this value is set to ON, the Progress Indicator shows non-ISDN devices.	+ FLEX13 + 1 (ON)+ [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON

PGM 114	DESCRIPTION	PROCEDURE	COMMENTS
ISDN CLI Restriction	If this value is set to ON, the CLI information is restricted by PX.	+ FLEX14 + 1 (ON) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
ISDN COLR	If this value is set to ON, the connected party's CLI information is restricted by the PX.	+ FLEX15 + 1 (ON) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
DID Restriction	If this value is set to ON, the station is restricted from receiving DID incoming calls.	+ FLEX16 + 1 (ON) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
DID Call Wait	If this value is set to ON, another DID call could be received at the busy Station.	+ FLEX17 + 1 (ON) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
CLI Type	Designates CLI type: Station CLI Long (Max. 12), or Short for a Station with a normal CLI (Max. 4).	+ FLEX18 + 1 (LONG) + [HOLD/SAVE]	VALUES - 0 = SHORT 1 = LONG
Long Station CLI	If outgoing CLI is activated and CLI type is EXT (Station), this value is used as the outgoing CLI.	+ FLEX19 + VALUE (max. 12 digits, Range=0-9) + [HOLD/SAVE]	--
MSN Wait (N/A for SBX IP 320)	If this value is set to ON, a busy station can receive a call waiting signal when another MSN call is received.	+ FLEX20 + 1 (ON) + [HOLD/SAVE]	--
Long CLI1	If CLI type of outgoing CO line is set to 1, Long CLI 1 is sent.	+ FLEX21+ VALUE (max. 16 digits, Range=0-9) + [HOLD/SAVE]	See PGM 143 - F12(CLI Type)
Long CLI2	If CLI type of outgoing CO line is set to 2, Long CLI 2 is sent.	+ FLEX22 + VALUE (max. 16 digits, Range=0-9) + [HOLD/SAVE]	See PGM 143 - F12(CLI Type)

Flex Button Assignment (PGM 115)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 115.
3. Enter the appropriate Station Range.
4. Follow the specific procedure as listed in the Table.

PGM 115	DESCRIPTION	PROCEDURE	COMMENTS
Flex Button Assignment	Each Flexible Button in a station can be assigned as desired (refer to Table).	+ 1 + FLEX1 + 03 (TYPE No., Range=01-11) + 02 (Group Number) +[HOLD/SAVE]	VALUE - 1 = F01-F24 2 = F25-F48

BUTTON TYPE FOR FLEXIBLE BUTTON ASSIGNMENT

NO.	TYPE	RANGE	REMARK
1	User Key		User can program by button programming procedure. (empty)
2	{CO xx} Button	01-12	CO Line
3	{CO Grp xx}	01-24	CO Line Group
4	{LOOP}		--
5	{STAxxx}	100-131	Station No.
6	STA PGM Button	11-99	--
7	{STA SPDxx}	00-99	Station Speed Bin
8	{SYS SPDxxxx}	2000-2499	System Speed Bin
9	Flex Num	Num Plan Code	Numbering Plan Code of Admin 106 & 107
10	Net DSS Button	--	When using Networking feature
11	MSN Button	MSN No.	MSN Number - N/A for SBX IP 320

INITIAL BUTTON CONFIGURATION

FLEX	8-BUTTON (DIGITAL)	24-BUTTON DIGITAL)
1	{DND}	{CO 1}
2	{Call Back}	{CO 1}
3	{LOOP}	{CO 1}
4	{LOOP}	{CO 1}
5	empty	{CO 1}
6	empty	{CO 1}
7	empty	{CO 1}
8	empty	{CO 1}
9	N/A	{LOOP}
10	N/A	Not assigned
11	N/A	Not assigned
12	N/A	Not assigned
13-24	N/A	Not assigned

Station COS (PGM 116)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 116.
3. Enter the appropriate Station Range.
4. Follow the specific procedure as listed in the Table.

PGM 116	DESCRIPTION	PROCEDURE	COMMENTS
Station COS	Each station is assigned a Class Of Service (COS) that determines the Station toll restriction for day and night operation (refer to Table). On a particular call, the CO COS is combined with Station COS to determine the restriction. COS for all stations at day and night operation are 1 as default. The weekend COS is the same as night COS.	+ FLEX1 (DAY) + 2 (COS, Range=1-9) +[HOLD/SAVE] + FLEX2 (NIGHT) + 2 (COS, Range=1-9) +[HOLD/SAVE]	VALUE - FLEX1 = DAY FLEX2 = NIGHT

STATION COS TABLE

STA COS	REMARK
1	No restrictions are placed at the station for dialing.
2	The assignments in the Exception Table A are monitored for Allow and Deny numbers.
3	The assignments in the Exception Table B are monitored for Allow and Deny numbers.
4	The assignments in Exception Tables A & B are monitored for Allow and Deny numbers.
5	The leading digit dialed cannot be a long distance code. The dialed digits can be longer than 7 digits. There is no restriction for the number in Canned Toll Table.
6	The leading digits can not be a Long Distance code. Only eight digits maximum can be dialed. (There is no restriction for the number in the Canned Toll Table.)
7	Intercom and paging calls are allowed. No dialing allowed on CO lines. ICM boxes are assigned with this COS.
8	The assignments in the Exception Table C are monitored for allow and deny numbers.
9	The assignments in the Exception Table D are monitored for allow and deny numbers.

CO Line Group Access (PGM 117)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 117.
3. Enter the appropriate Station Range.
4. Follow the specific procedure as listed in the Table.

PGM 117	DESCRIPTION	PROCEDURE	COMMENTS
CO Line Group	Sattions can be assigned to access any of 24 CO line groups in the SBX IP 320.	+ VALUE (Range= FLEX01-FLEX24, Toggle) + [HOLD/SAVE]	--

Page Zones (PGM 118-119)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button
2. Dial PGM Number (118 or 119)
3. Enter the appropriate Station Range
4. Follow the specific procedure as listed in the Table.

PGM	DESCRIPTION	PROCEDURE	COMMENTS
PGM 118 - Internal Page Zone	Each station can be assigned to internal page zone. SBX IP 320 supports 10 internal paging zones. All stations are assigned to Internal Page Zone 1 by default.	+ FLEX1-FLEX5 (ZONE01-ZONE05, toggle) + [HOLD/SAVE]	VALUES - Default = Zone 1
PGM 119 - Conference Page Zone	Each station can be assigned to five different conference page zones 06 - 10. All stations are assigned to None by default.	+ FLEX1-FLEX5 (ZONE06-ZONE10, toggle) + [HOLD/SAVE]	VALUES - DEFAULT = None

ICM Tenancy Group (PGM 120)

Each Intercom Tenancy Group can be operated independently, and the Stations in the group can be assigned an individual CO Line Group to use. Each group can be assigned to an attendant and can be programmed to allow or deny calls to other groups. The system supports 5 ICM Tenancy Groups and Tenancy ATDs.

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 120.
3. Enter the appropriate Group Number (1-5) on the dialpad.
4. Follow the specific Procedure as listed in the Table.

PGM 120	DESCRIPTION	PROCEDURE	COMMENTS
ICM Tenancy Group Attendant Assign	Each ICM Tenancy group may have one attendant. Day / Night Mode for ICM Tenancy Groups is set by the ICM Tenancy Group Attendant.	+ FLEX1 + ICM TENANCY GROUP ATD (Attendant)+ [HOLD/SAVE]	VALUES - STATION NO
ICM Tenancy Group Access	Each group can be programmed to allow or deny calls to other groups.	+ FLEX2 + FLEX1-FLEX5 (toggle for ICM TENANCY GROUP 1-5 + [HOLD/SAVE]	Sub-FLEX1-FLEX5 = each lit button indicates that the ICM Tenancy Group has access to other groups.

Call Forward Preset (PGM 121)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 121.
3. Enter the appropriate Station Number.
4. Follow the specific procedure as listed in the Table.

PGM 121	DESCRIPTION	PROCEDURE	COMMENTS
Call Forward Preset	If the station does not answer the incoming CO call within the Preset Call Forward timer, then the call is forwarded to a preset destination. No station is assigned as default.	Forward to Station: + 1 (Station) + Station Number + [HOLD/SAVE]	VALUES - Default = None 1 = Station 2 = Hunt Group PGM 181 - F12
		Forward to Hunt Group: + 2 (Hunt Group) + Hunt Group Number + [HOLD/SAVE]	

Idle Line Selection (PGM 122)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 122.
3. Enter the appropriate Station Range.
4. Follow the specific procedure as listed in the Table.

PGM 122	DESCRIPTION	PROCEDURE
Idle Line	Designates Hot Line or Warm Line.	+ 1 (ITEM, refer to Table) + RANGE (1-4 digits, refer to table) + [HOLD/SAVE]

DIGIT	ITEM	RANGE	FUNCTION
1	Flex	01-44	To activate a feature on a flexible button.
2	CO Line	01-12	To secure a CO Line.
3	CO Line Group	01-24	To secure a CO Line Group.
4	Station	100-131	To call another station

SMDR Account Group (PGM 124)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 124.
3. Enter the appropriate Station Range.
4. Follow the specific procedure as listed in the Table.

PGM 124	DESCRIPTION	PROCEDURE	COMMENTS
SMDR Account Group	Stations can be assigned as a member of a call account group on SMDR. A station belongs to only one group.	+ 01 (Account Group, 00-23) + [HOLD/SAVE]	00 = NOT ASSIGNED

Copy DSS Button (PGM 125)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 125.
3. Enter the appropriate Station Number.
4. Follow the specific procedure as listed in the Table

PGM 125	DESCRIPTION	PROCEDURE	COMMENTS
Copy DSS Button	The assigned DSS button can be copied to another station or ICM group.	Copy DSS to Station: + FLEX1 + Station Number + [HOLD/SAVE]	VALUES - DELETE= [CONF] Button
		Copy DSS to ICM Group: + FLEX2 + ICM Group (Range=1-5) + [HOLD/SAVE]	

Station IP List (PGM 126)

In this program mode, an IP Address can be programmed for each station. This IP Address is used to service first CTI through LAN.

1. Press the [TRANS/PGM] button.
2. Dial 126.
3. Enter Bin number for station Number (01-48).
4. Enter IP Address (12 Digits). Periods are inserted automatically after the first 3 digits are entered and after the next 3 digits until the entire address is entered.

Display Station Number By COS / By CO Group (PGM 130-131)

In this program mode, the following items can be shown:

1. Press the [TRANS/PGM] button.
2. Dial PGM Number (130 or 131).
3. Follow the specific procedure as listed in the Table.

PGM	DESCRIPTION	PROCEDURE	COMMENTS
PGM 130 - Display Station Number by COS	The LCD will show the Stations of a designated Class of Service (COS).	Show Station by assigned Day COS: + FLEX1 + 1 (COS, Range=1-9)	VALUES - FLEX1 = DAY FLEX2 = Night NAVIGATION - Next page: Volume Up/Down Key
		Show Station by assigned Night COS: + FLEX2 + 1 (COS, Range=1-9)	
PGM 131 - Display Station Number by CO Access Group	Station Numbers that access certain CO Line Groups could be checked. The LCD shows stations that are assigned to access CO Line Group 1.	+ 01 (CO Line Group, Range = 01-24)	NAVIGATION - Next page: Volume Up/Down Key

CO Line (PGM 140-146)

CO Line features are covered in PGMs 140 to 144. When programming, LCD and LEDs indicate current programmed data and programming status. If the programmer enters data correctly, then LCD and LEDs show the entered data, and the data is stored in the temporary buffer area.

CO SERVICE TYPE (PGM 140)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 140.
3. Enter the appropriate CO Line Range (01-12).
4. Press FLEX 1 to set CO Line type.
5. Press FLEX 2 to set Sub Attributes.
6. Follow the specific procedure as listed in the Table.

PGM 140	DESCRIPTION	PROCEDURE	COMMENTS
Normal CO	Used for Analog Lines or DISA service	+ FLEX1 + 1 + [HOLD/SAVE]	
Reserved		+ FLEX1 + 2 + [HOLD/SAVE]	Not in SBX IP 320
ISDN DID / MSN	Used for VOIP Lines	+ FLEX1 + 3 + [HOLD/SAVE]	
Reserved		+ FLEX1 + 4 + [HOLD/SAVE]	Not in SBX IP 320
DCO DID	Used for E1 Lines	+ FLEX1 + 5 + [HOLD/SAVE]	

CO Type	SUB ATTRIBUTES	PROCEDURE	COMMENTS
Normal	DISA Service	+ FLEX2 (VALUE1) + FLEX1 + VALUE2 (ON/OFF)	VALUE1 : -Flex 1 (Day) -Flex 2 (Night) -Flex 3 (Weekend) -Flex 4 (On-Demand) VALUE2 : 1(ON) / 0(OFF)
	DISA VMIB Announcement	+ FLEX2 (VALUE1) + FLEX2 +VALUE2 (00 - 70)	VALUE1 : -Flex 1 (Day) -Flex 2 (Night) -Flex 3 (Weekend) -Flex 4 (On-Demand) VALUE2: VMIB Message Number 00~70 (00:not assigned)

CO Line Attributes I (PGM 141)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 141.
3. Enter the appropriate CO Line Range (01-12).
4. Follow the specific procedure as listed in the Table.

PGM 141	DESCRIPTION	PROCEDURE	COMMENTS
CO Line Group	Each CO Line must be a member of a CO Line Group; Groups may be assigned according to the CO type and Class-Of-Service.	+ FLEX1 + 02 (CO Line Group) + [HOLD/SAVE]	VALUES - 00-25 Group 00 = private group Group 25 = not used group
CO COS	COS is assigned to each CO line.	+ FLEX2 + 02 (COS) + [HOLD/SAVE]	VALUES - 1 = No restriction 2 = Exception Table A governs 3 = Exception Table B governs 4 = Restricts Long Distance Code 5 = overrides Station COS 2,3,4 and 5, 6
DISA Account Code	If this value is set to ON, when the incoming CO caller tries to access another CO Line by dialing a CO Line access code, the caller will be prompted to enter an authorization code. This is applied only when this CO Service type is DISA.	+ FLEX3 + 01 (ON) + [HOLD/SAVE]	VALUE - 0 = OFF 1 = ON
CO Line Assign	If this value is set to ON, Polarity Reverse is applied to the CO Line, otherwise, Loop Start is applied.	+ FLEX4 + 01 (Pol) + [HOLD/SAVE]	VALUE - 0 = Loop Start (Loop) 1 = Polarity Reverse (Pol)
CO Line Type	Designates the CO Line type.	+ FLEX5 + 01 (PBX) + [HOLD/SAVE]	VALUE - 0 = CO 1 = PBX

PGM 141	DESCRIPTION	PROCEDURE	COMMENTS
CO Line Signal Type	Designates the CO Line signaling type.	+ FLEX6 + 0 (Pulse) + [HOLD/SAVE]	VALUE - 0 = PULSE 1 = DTMF
Flash Type Analog CO Lines only	Designates the type of Flash that is used.	+ FLEX7 + 1 (GROUND) + [HOLD/SAVE]	VALUE - 0 = LOOP 1 = GROUND
Universal Night Answer (UNA)	If this feature is set to ON, Universal Night Answer service is applied to this CO Line.	+ FLEX8 + 1 (ON) + [HOLD/SAVE]	VALUE - 0 = OFF 1 = ON
CO Line Group Account	If this value is set to ON, the CO Line user will be prompted to enter an authorization code to access this CO Line.	+ FLEX9 + 1 (ON) + [HOLD/SAVE]	VALUE - 0 = OFF 1 - ON
Tenancy Group	Designates the ICM Tenancy group number a Station belongs to. If this value is set, separated Day/Night ring mode is applied to incoming CO Calls according to the ICM Tenancy group Attendant Day/Night ring mode.	+ FLEX10 + 1 (Tenancy Group) + [HOLD/SAVE]	VALUE - 0-5 PGM 120

CO Line Attributes II (PGM 142)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 142.
3. Enter the appropriate CO Line Range (01-12).
4. Follow the specific Procedure as listed in the Table.

PGM 142	DESCRIPTION	PROCEDURE	COMMENTS
CO Line Name Display	If this value is set to ON and the CO Line Name is assigned, the Name is displayed on the station LCD when the station receives an incoming CO call through the CO Line.	+ FLEX1 + 1 (ON) + [HOLD/SAVE]	VALUE - 0 = OFF 1 = ON
CO Line Name Assign	Designates the name of the CO Line.	+ FLEX2 + CO LINE NAME (Max. 12 characters, refer to Keyset Map)+ [HOLD/SAVE]	--

. – 13 Q – 11 Z – 12 1 – 10	A – 21 B – 22 C – 23 2 – 20	D – 31 E – 32 F – 33 3 – 30
G – 41 H – 42 I – 43 4 – 40	J – 51 K – 52 L – 53 5 – 50	M – 61 N – 62 O – 63 6 – 60
P – 71 Q – 72 R – 73 S – 74 7 – 70	T – 81 U – 82 V – 83 8 – 80	W– 91 X – 92 Y – 93 Z – 94 9 – 90
Blank – ✳1 : – ✳2 , – ✳3	0 – 00	

PGM 142	DESCRIPTION	PROCEDURE	COMMENTS
Metering Unit (N/A for SBX IP 320)	Designates the unit used to detect pulses from the CO Line. There are 7 metering signal types (refer to VALUES).	+ FLEX3 + METERING SIGNAL TYPE + [HOLD/SAVE]	VALUES - 00 = None 01 = 50 Hz 02 = 12 KHz 03 = 16 KHz 04 = Singular Polarity Reverse (SPR) 05 = Plural Polarity Reverse (PPR) 06 = No Polarity Reverse (NPR)
Line Drop using CPT (Call Progress Tone)	If this value is set to ON, CPT checks the incoming CO Line when answered and if CPT detects a dial tone, the System should drop the line for toll restriction.	+ FLEX4 + 1 (ON) + [HOLD/SAVE]	VALUE - 0 = OFF 1 = ON
CO Distinct Ring	If this value is not set to 0, the designated ring tone is heard at the Station when it receives an incoming CO Call, so that the user can distinguish incoming CO Calls and ICM Calls with the different ring tones.	+ FLEX5 + 1 + [HOLD/SAVE]	VALUE - 0-4 ADMIN 422
CO Line MOH	Designates MOH on the CO Line (refer to VALUES).	+ FLEX6 + 02 (External Music) + [HOLD/SAVE]	VALUE - 0 = Not assigned 1 = Internal Music 2 = External Music 3 = Reserved 4 - 8 = SLT MOH 1-5 9 = Hold Tone
PABX CO Dial Tone	If this value is set to YES, PX or PABX provides the CO Dial Tone; otherwise, the SBX IP 320 system provides it.	+ FLEX7 + 0 (No) + [HOLD/SAVE]	VALUES - 0 = NO 1 = YES
PABX CO Ring Back Tone	If this value is set to YES, PX or PABX provides a CO Ring Back Tone; otherwise, the SBX IP 320 system provides it.	+ FLEX8 + 1 (Yes) + [HOLD/SAVE]	VALUES - 0 = NO (System) 1 = YES (PBX)

PGM 142	DESCRIPTION	PROCEDURE	COMMENTS
PABX CO Error Tone	If this value is set to YES, PX or PABX provides a CO Error Tone; otherwise, the SBX IP 320 system provides it.	+ FLEX9 + 1 (Yes) + [HOLD/SAVE]	VALUES - 0 = NO (System) 1 = YES (PBX)
PABX CO Busy Tone	If this value is set to YES, PX or PABX provides the CO Busy Tone; otherwise, the SBX IP 320 system provides it.	+ FLEX10 + 1 (Yes) + [HOLD/SAVE]	VALUES - 0 = NO (System) 1 = YES (PBX)
PABX CO Announce Tone	If this value is set to YES, PX or PABX provides the CO Announce Tone; otherwise, the SBX IP 320 system provides it.	+ FLEX11 + 1 (Yes) + [HOLD/SAVE]	VALUES - Default = NO 0 = NO (System) 1 = YES (PBX)
CO Flash Timer	Designates the length of time limit for CO Flash. CO Flashing is available within this timer; otherwise, the CO Line is released.	+ FLEX12 + 010 (100 msec, Range = 000-300) + [HOLD/SAVE]	--
Open Loop Detect Timer	Designates the time limit for CO Open Loop.	+ FLEX13 + 010 (100 msec, Range = 00-20) + [HOLD/SAVE]	--
Line Length (N/A for SBX IP 320)	Used to determine the line length when the CO Line length is too variable. (SAF only)	+ FLEX14 + 1 (Long) + [HOLD/SAVE]	VALUES - 0 = SHORT 1 = LONG
DISA Answer Timer	System answers DISA call after this time.	+ FLEX15 + VALUE (1 digit, Range = 1-9) + [HOLD/SAVE]	--
DISA Delay Timer (CIS only - N/A for SBX IP 320)	After this timer, DTMF Receiver is attached after DISA line answered.	+ FLEX16 + VALUE (1 digit, Range=1-9) + [HOLD/SAVE]	--
Reserved	--	FLEX17	--
Busy/Error CPT (SAF only - N/A for SBX IP 320)	--	+ FLEX18 + 1 (ON) or 0 (OFF)	--

ISDN CO Line Attributes (PGM 143)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 143.
3. Enter the appropriate CO Line Range.
4. Follow the specific procedure as listed in the Table.

PGM 143	DESCRIPTION	PROCEDURE	COMMENTS
COLP Table Index	If this value is set to 50, the CLI of this CO Line refers to ADMIN114-FLEX5. Else if this value is set to 00 - 49, the CLI of this CO Line refers COLP Table (ADMIN201)	+ FLEX1 + 00 (Range = 00-50) + [HOLD/SAVE]	--
CLIP Table Index	If this value is set to 50, the CLI of this CO Line refers to ADMIN114-FLEX5. If this value is set to 00 - 49, the CLI of this CO Line refers to the COLP Table (ADMIN201).	+ FLEX2 + 00 (Range = 00-50) + [HOLD/SAVE]	--
Call Type	Used to set the call type of ISDN CO line CLI.	+ FLEX3 + 1 (International) + [HOLD/SAVE]	VALUES - 0 = Unknown 1 = International 2 = National 3 = Not used 4 = Subscriber
DID CONV Type	When CO Service Type is set to ISDN DID/MSN (ADMIN 140), the value is used to designate the DID digit conversion type. If value is set to 0, incoming digits are converted as ADMIN 146. If set to 1, no digit conversion exists. If the caller dials a valid Station number, the Station will receive the call. If set to 2, it refers to the Flexible DID Table (ADMIN 231).	+ FLEX4 + 1 (Conversion Type) + [HOLD/SAVE]	VALUES - 0 = Convert digits by DID Digit Conversion (PGM146) 1 = Call to the valid extension. 2 = Convert digits by Flex DID Table (PGM231)

PGM 143	DESCRIPTION	PROCEDURE	COMMENTS
DID Remove Number	If this value is not 0, and the CO Line is a DID Line, the system will discard the incoming DID digits up to amount of this value (ex., if value is set to 02 and the outside caller dialed '01245,' then the first two digits are removed).	+ FLEX5 + 02 (Remove Number, Range=00-99) + [HOLD/SAVE]	--
ISDN Enblock Send	If this value is set to ON, Enblock Sending Mode is applied to outgoing CO calls. Applied also to VOIP CO lines.	+ FLEX6 + 1 (On) + [HOLD/SAVE]	VALUES - 0 = OFF, Overlap Sending Mode 1 = ON, Enblock Sending Mode
CLI Transit	If this value is set to ORI, the caller CLI will be sent for CLI; otherwise, the call forwarding station CLI is sent.	+ FLEX7 + 1 (ORI) + [HOLD/SAVE]	VALUES - 0 = CFW, send CLI as the call forwarding station's CLI 1 = ORI, send CLI as the original caller's CLI
Numbering Plan ID	This value is used for the Numbering Plan Id of ISDN calls and the calling party number (refer to VALUES).	+ FLEX8 + FLEX1 (FLEX1=CALLING, FLEX2=CALLED) + 1 (ISDN/TELEPHONY) + [HOLD/SAVE]	VALUES - 0 = unknown 1 = ISDN / TELEPHONY 2 = NOT USED 3 = DATA 4 = TELEX 5 = NOT USED 6 = NATIONAL STANDARD 7 = PRIVATE
ISDN Call Deflection / Rerouting	If this value is set, ISDN call deflection or rerouting service is available.	+ FLEX9 + 1 (CALL DEFLECTION) + [HOLD/SAVE]	VALUES - 0 = No Service 1 = CALL DEFLECTION 2 = CALL REROUTING
Reserved		+ FLEX10	
ISDN Call Proc. Inband Message (Italy only - N/A for SBX IP 320))	If this value is set to ON, Inband info in call proceeding is available.	+ FLEX11 + 1 (ON) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON

PGM 143	DESCRIPTION	PROCEDURE	COMMENTS
CLI Type	If this value is set to 0, the CLI is Normal (refer to PGM200/PGM114). If this value is set to 1 or 2, the CLI is Long CLI (Station Long CLI 1 or 2).	+ FLEX12 + 0 (Normal) + [HOLD/SAVE]	VALUES - 0 = Normal 1 = Long CLI 1 2 = Long CLI 2
ISDN ECT (N/A for SBX IP 320)	If this value is set to ON, ISDN call rerouting service is available.	+ FLEX13 + 0 (Disable) + [HOLD/SAVE]	Reserved

CO Ring Assignment (PGM 144)

When CO Service Type (PGM 140) is set to Normal, incoming CO calls are routed to the proper destination according to this assignment. The destination can be a Station, Hunt Group, or VMIB announcement. The Ring assignment is applied separately by Day/Night Ring Mode by pressing FLEX 1-4.

1. Press the [TRANS/PGM] button.
2. Dial 144.
3. Enter the appropriate CO Line Range.
4. Follow the specific procedure as listed in the Table

FLEX	ITEM	DEST TYPE	DEFAULT
1	Day	TYPE 1: Station Range + Delay TYPE 2: Hunt Group TYPE 3: Voice Message	Station 100 (Attendant Station) is assigned with delay of 0
2	Night		
3	Weekend		
4	On-Demand		

PGM 144	DESCRIPTION	PROCEDURE
Ring Assignment to a Station, a Hunt Group, or to a VMIB Announcement	To assign a call to the station, the delay value must be entered. If a delay value is set, the call will begin to ring after the delay time has expired. To receive incoming calls instantly, delay value should be set to 0. To delete a programmed CO ring assignment, press the [SPEED] button instead of entering a delay value.	1. Press FLEX1-4 (Day, Night, Weekend, or On-Demand). 2. Dial 1-3 to designate a Destination Type (Station, Hunt Group, VMID Announcement) 3. Dependent on Destination Type, enter either Station Range + Value (Delay Time, Range = 0-9), Hunt Group number (620-629), or VMID MSG # (00-70). 4. Press [HOLD/SAVE].

CO Ring Assignment Display (PGM 145)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 145.
3. Enter the appropriate CO Line Range.
4. Follow the specific procedure as listed in the Table.

PGM 145	DESCRIPTION	PROCEDURE	COMMENTS
CO Ring Assignment Display	Used to check the ring assignment destination of a CO line for each Day/Night Ring Mode. If CO Calls are assigned to the Station during Day or Night Mode, the delay value can be viewed (ex., value 100(1) means station 100 will receive a ring with a delay value of 1). NOTE: When there are too many stations to see, you can scroll data using volume up/down key.	+ FLEX1	VALUES - FLEX1 = Day FLEX2 = Night FLEX3 = Weekend FLEX4 = On-demand

CO Line Attributes III (PGM 146)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 146.
3. Enter the appropriate CO Line Range.
4. Follow the specific procedure as listed in the Table.

PGM 146	DESCRIPTION	PROCEDURE	COMMENTS
Incoming prefix code Insertion	If this value is set to ON, prefix code will be attached in front of incoming CLI information	+ FLEX1 + 1 (ON) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Outgoing prefix code Insertion	If this value is set to ON, prefix code will be attached in front of outgoing CLI information.	+ FLEX2 + 0 (OFF) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
ISDN Line Type	Used to set the ISDN CODEC Type.	+ FLEX3 + 1 (µ-Law) + [HOLD/SAVE]	VALUES - 0 = A-Law 1 = µ-Law
Calling Sub-address	If this value is set to ON, calling party sub-address of the ISDN Station is attached when an ISDN Station makes an outgoing CO Call through this CO Line.	+ FLEX4 + 1 (On) + HOLD/SAVE)	VALUES - 0 = OFF 1 = ON
DID Digit Receive No.	This value is used to count received DID Digit numbers for routing incoming DID calls.	+ FLEX5 + 2 (2-4 digits) + [HOLD/SAVE]	--
DID Digit Mask	When DID Conversion Type(ADMIN 143 - FLEX4) is set to 0, The received DID digits are converted by this value (ex., '1234' is received when DID Digit Mask is set as '#8**,' the digit is converted as '834').	+ FLEX6 + VALUE (4 digits, Range = 0-9)+ [HOLD/SAVE]	VALUES - Default = #1** # = ignore received digit * = bypass the digit
Collect Call Blocking	If this feature is set to 1 or 2, incoming collect call is blocked.	+ FLEX7 + Value + [HOLD/SAVE]	VALUES - 0 = DISABLE 1 = WITH INDICATOR 2 = WITHOUT INDICATOR

PGM 146	DESCRIPTION	PROCEDURE	COMMENTS
Collect Call Answer Timer	In case of "WITHOUT INDICATOR" collect call blocking, incoming call is answered during this time. And then CO loop is opened.	+ FLEX8 + Value + [HOLD/SAVE]	VALUES - 1-250 (100ms 3 Digits)
Collect Call Idle Timer	In case of "WITHOUT INDICATOR" collect call blocking, incoming call is answered during "Collect Call Answer Timer". And then CO loop is during this time. And CO is answered again.	+ FLEX9 + Value + [HOLD/SAVE]	VALUES - 1-250 (100ms 3 Digits)

CO Line CID Attributes (PGM 147)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 147.
3. Enter the appropriate CO Line Range.
4. Follow the specific procedure as listed in the Table.

PGM 147	DESCRIPTION	PROCEDURE	COMMENTS
CID Mode Select	The User can select the CID type.	+ FLEX1 + VALUE + [HOLD/SAVE]	VALUES - 0 = DISABLE 1 = FSK MODE 2 = DTMF CID
CID Name Display	The Analog CO Line CLI carries the caller's telephone number and name.	+ FLEX2 + VALUE (1 for NAME & TEL No.) + [HOLD/SAVE]	VALUES - 0 = TELEPHONE No. 1 = NAME & TEL No.
RCID... (Russia only - N/A for SBX IP 320)	--	+ FLEX3-FLEX9	--

Slot Base Program (PGM 155)

Board Attributes (PGM 155)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 155.
3. Follow the specific procedure as listed in the Table.

PGM 155	DESCRIPTION	PROCEDURE	COMMENTS
R2 CRC Check	If this value is set to ENABLE, the R2 CRC is checked.	+ Slot Number of E1IB (06) + FLEX1 + 1 (ENABLE) + [HOLD/SAVE]	VALUES - 0 = DISABLE 1 = ENABLE
Distance Coefficient Setting	When the switch for selection long loop on the board is set to "Long", the gain value is set according to the Distance Coefficient. (Applied to LCOB/SLIB/HYBRID.)	+ Slot Number of LCOB/SLIB/HYBRID + FLEX2 + 1 (3Km) + [HOLD/SAVE]	VALUES - 0 = 0 Km 1 = 3 Km 2 = 5 Km 3 = 7 Km
DCO IP Address	IP Address of E1IB	+ Slot Number of E1IB(06) + FLEX3 + IP addr+ [HOLD/SAVE]	--
DCO Gateway IP Address	Gateway IP Address of E1IB	+ Slot Number of E1IB(06) + FLEX4 + IP addr+ [HOLD/SAVE]	--
DCO Subnet Mask	Subnet Mask of E1IB	+ Slot Number of E1IB(06) + FLEX5 + Subnet mask+ [HOLD/SAVE]	--
DCO Server IP	Server IP Address of E1IB	+ Slot Number of E1IB(06) + FLEX6 + IP addr+ [HOLD/SAVE]	--
DCO Master Clock	Set this board as a Master party or Slave party.	+ Slot Number of E1IB(06) + FLEX7 + 1(MASTER) + [HOLD/SAVE]	--

System Data (PGM 160-184)

System Attributes I (PGM 160)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 160.
3. Follow the specific procedure as listed in the Table.

PGM 160	DESCRIPTION	PROCEDURE	COMMENTS
Attendant Call Queuing Ring Back Tone	If this value is set to RBT, ring back tone is provided to the Station when the Station calls a busy Attendant; otherwise, the hold tone or VMIB-MOH (ADMIN 171 - FLEX2) is provided.	+ FLEX1 + 1 (RBT) + [HOLD/SAVE]	VALUES - 0 = MOH, the Station user will hear MOH, hold tone or VMIB-MOH from the System database. 1 = RBT; the Station user will hear ring back tone when calling a busy Attendant Station. PGM 171-FLEX2
Camp RBT/MOH	MOH or Ring Back tone is heard during the camp-on state.	+ FLEX2 + 1 (RBT) + [HOLD/SAVE]	VALUES - 0 = MOH 1 = RBT
CO Line Choice	When securing a CO Line in a CO line group, if value is set to LAST CHOICE, the last available CO Line will be seized; otherwise, CO lines are secured in line availability order.	+ FLEX3 + 1 (Round Robin) + [HOLD/SAVE]	VALUES - 0 = AVAILABLE LINE ORDER 1 = LAST CHOICE
DISA Retry Counter	When the DISA user fails to connect with a Station or access a feature, the DISA user can retry other calls or features within the programmed retry counter. If the DISA user cannot make a connection within the designated counter, the call will be routed according to the DID/DISA destination (ADMIN 167).	+ FLEX4 + 4 (Retry Counter) + [HOLD/SAVE]	VALUES - 0-9

PGM 160	DESCRIPTION	PROCEDURE	COMMENTS
ICM Continuous Dial-Tone	Sets whether ICM dial tone is continuous.	+ FLEX5 + 0 (Non-continuous) + [HOLD/SAVE]	VALUES - 0 = Non-continuous 1 = Continuous
CO Dial-Tone Detect	When speed dial is activated, if this value is set to ON, the System will detect a dial tone using CPT instead of the pause timer.	+ FLEX6 + 1 (ON) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
External Night Ring	If this value is set to ON, when an incoming CO call is received and UNA service is activated, the call will be sent to LBC1.	+ FLEX7 + 0 (ON) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Hold Preference	There are two types of Hold: System Hold and Exclusive Hold. If a call is held in System Hold, any station can retrieve the call; in exclusive hold, only the holding Station can retrieve the call.	+ FLEX8 + 0 (Exclusive) + [HOLD/SAVE]	VALUES - 0 = EXCLUSIVE 1 = SYSTEM
Multi-line Conference	If this value is set to ON, conference with multiple CO lines is available.	+ FLEX9 + 0 (OFF) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Print LCR Converted Digit	If this value is set to ON, LCR converted digits are displayed on the LCD with SMDR data; otherwise, the originally-dialed digits are shown.	+ FLEX10 + 1 (ON) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Conference Warning Tone	If this value is set to ON, other members will hear a warning tone when a new member enters a conference.	+ FLEX11 + 0 (OFF) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Off-net Prompt Usage	If this value is set to ON, the off-net VMIB announcement (prompt) will be heard when a call is Off-net call forwarded; this only applies to calls transferred within the System.	+ FLEX12 + 0 (OFF) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Off-net DTMF Tone	If this value is set to ON, the DTMF dial tone will be heard to the outside caller when the call is Off-net call forwarded; this only applies to calls transferred within the System.	+ FLEX13 + 0 (OFF) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON

PGM 160	DESCRIPTION	PROCEDURE	COMMENTS
Voice Path Connect	If this value is set to IMM (immediate), voice path is connected immediately for CO outgoing calls; otherwise, calls are connected after dialing digits.	+ FLEX14 + 1 (IMM) + [HOLD/SAVE]	VALUES - 0 = DGT 1 = IMM
Transfer Tone	While a call is transferred to a destination Station, if this value is set to RBT, transferred Station will hear a ring back tone; otherwise, MOH will be heard.	+ FLEX15 + 0 (RBT) + [HOLD/SAVE]	VALUES - 0 = RBT 1 = MOH
CO to CO Transfer CPT Detection	If this value is set to CPT detection, a CO-to-CO transfer connection will be dropped when a tone is detected from the CO-to-CO transfer connection. To detect a tone from the CO line, a CPT detection board is required.	+ FLEX16 + 1 (CPT Detection) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
ACD Package Usage (N/A for SBX IP 320)	If this value is set to ON, ACD Information is printable.	+ FLEX17 + VALUE + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
CO - CO Unsupervised Conference Timer Extend	If this value is set to on, the conference call user can extend the Unsupervised Conference Timer by dialing the UC TIMER EXTEND Code.	+ FLEX18 + VALUE + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Call Log List Number	Sets the number of Call Log Lists per Station.	+ FLEX19 + VALUE (2 digits, Range = 15-50) + [HOLD/SAVE]	--
Cut ISDN Overlap Dial Noise (N/A for SBX IP 320)	Cut the noise of ISDN overlap dialing	+ FLEX20 + VALUE + [HOLD/SAVE]	VALUES 0 = OFF 1 = ON RESERVED

System Attributes II (PGM 161)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 161.
3. Follow the specific procedure as listed in the Table.

PGM 161	DESCRIPTION	PROCEDURE	COMMENTS
PX Time/Day/Month	If this value is set to ON, the system time/date is set by the network time/date. Note: You must have an IP connection.	+ FLEX1 + 1 (ON) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Off-Hook Ring Type	The off-hook ring type in the system can be set to mute or a one burst ring.	+ FLEX2 + 0 (Burst) + [HOLD/SAVE]	VALUES - 0 =BURST 1 = MUTE
Override 1st CO Line Group	If this value is set to ON, when there is no available CO Line in the first CO Line Group, the System can access the next accessible CO Line Group.	+ FLEX3 + 0 (OFF) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Page Warning Tone	If this value is set to ON, a page warning tone will be heard when paging starts.	+ FLEX4 + 0 (OFF) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Auto Privacy	If this value is set to ON, a call is protected from override regardless of Station Override Privilege.	+ FLEX5 + 0 (OFF) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON ADMIN 113-FLEX 4
Privacy Warning Tone	If this value is set to ON, a privacy warning tone will be heard when a call is overridden.	+ FLEX6 + 0 (OFF) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Single Ring for CO Call	If this value is set to YES, the ICM ring cadence and the CO ring cadence is reversed each other. The cadence of ICM ring is set to 1sec on/ 4sec off. The cadence of CO ring is set to 0.4s on/ 0.2s off/ 0.4s on/ 4sec off.	+ FLEX7 + 1 (Yes) + [HOLD/SAVE]	VALUES - 0 =NO 1= YES

PGM 161	DESCRIPTION	PROCEDURE	COMMENTS
WTU Auto Release (N/A for SBX IP 320)	If this value is set to ON, WTU is released automatically.	+ FLEX8 + 1 (ON) + [HOLD/SAVE]	Reserved
Automatic Call Distribution (ACD) Print Enable	If this value is set to ON, ACD Printing is available.	+ FLEX9 + 1 (ON) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
ACD Print Timer	ACD database can be printed per the desired time interval (10 sec or 1 hour base).	+ FLEX10 + 002 (3 digits, Range = 001-225) + [HOLD/SAVE]	VALUES - ADMIN 161-FLEX 14
ACD Clear Database after Print	If this value is set to ON, the ACD database is re-initialized after printing.	+ FLEX11 + 1 (ON) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
VMIB Prompt Gain	Used to designate the VMIB Announcement (prompt gain).	+ FLEX12 + 002 (Range = 00-31) + [HOLD/SAVE]	--
CLI Information at VM SMDI (Simplified Message Desk Interface)	If this value is set to ON, CLI is added when Voice Mail information is printed through RS232 port by SMDI.	+ FLEX13 + 1 (ON) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
ACD Print Timer Unit	This value determines the unit of ACD Print timer	+ FLEX14 + 1 (Hour) + [HOLD/SAVE]	VALUES - 0 = SEC 1 = HOUR RANGE - 1 hr-10sec ADMIN 161 - FLEX 10
Set VM SMDI Type	This value sets VM SMDI type.	+ FLEX15 + 1 (Type II) + [HOLD/SAVE]	VALUES- 0 = TYPE I 1= TYPE II
Incoming Toll Check	If this value is set to ON, the System checks for tolls applied to incoming CO calls.	+ FLEX16 + 1 (ON) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON

PGM 161	DESCRIPTION	PROCEDURE	COMMENTS
Auto Fax transfer CO	If Auto FAX CO line is programmed, the system answers and detects the FAX calling tone (1100Hz, 0.5sec ON/3sec OFF repeat tone) from an incoming analog CO line. The system will route this call to the last SLT port on basic MBU when tone is detected within the programmed time.	+ FLEX17 + CO Line Number (Range = 01-12) + [HOLD/SAVE]	This is available for Analog CO line.
NO DSS Indication	If this value is set to ENABLE, the LED indication of the {CO} or {DSS} button is blocked (ex., LED does not flash even if there is an incoming call to the assigned CO Line or Station). This feature does not apply for direct calls such as DID/DISA.	+ FLEX18 + 0 (Disable) + [HOLD/SAVE]	VALUES - 0 = DISABLE 1 = ENABLE
UK Billing Mode (UK only - N/A for SBX IP 320)	If this value is set to ON, the UK Billing Mode is applied. (UK Only)	+ FLEX19 + 1 (On) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
COS 7 When Authorization Fails	If this value is set to ON, the Station COS will temporarily be changed to 7 when an invalid authorization code is entered at the Station. COS can be recovered by activating COS RESTORE. If not assigned, the day & night COS in PGM 116 will be changed to 7 when an invalid authorization code is entered at the Station. To recover COS, day & night COS should be reassigned.	+ FLEX20 + VALUE + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON

PGM 161	DESCRIPTION	PROCEDURE	COMMENTS
5 Digits Authorization Code Usage	If this value is set to ON, Authorization code is programmed as 5 digits fixed length. Under this mode, 5 digits of the authorization code should be entered when related features are activated. If this value is set to OFF, Variable Authorization code (3-11 digits) is used.	+ FLEX21 + Value + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
LCR Dial Tone Detect	If this value is set to ON, the SBX IP 320 system first checks if the CO provides dial tone in case if analog CO is seized for LCR dialing. If there's no dial tone, the call is rerouted to Alternate DMT Index. If LCR type is set to M13, LCR dial tone detect option is not applied.	+ FLEX22 + Value + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON

Admin Password (PGM 162)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 162.
3. Follow the specific procedure as listed in the Table.

PGM 162	DESCRIPTION	PROCEDURE	COMMENTS
ADMIN Password	An ADMIN password can be assigned for entering ADMIN Programming mode, as a security measure. To delete the ADMIN password, press the [SPEED] button.	+ Password (4 digits, Range=*, #, 0-9) + [HOLD/SAVE]	VALUES - Default = Not Assigned # = ignore received digit * = bypass the digit

Alarm Attributes (PGM 163)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 163.
3. Follow the specific procedure as listed in the Table.

PGM 163	DESCRIPTION	PROCEDURE	COMMENTS
Alarm Enable	If this value is set to ON, Alarm is available.	+ FLEX1 + 1 (On) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Alarm Contact Type		+ FLEX2 + 0 (Open) + [HOLD/SAVE]	VALUES - 0 = OPEN 1 = CLOSE
Alarm Mode		+ FLEX3 + 0 (Door Bell) + [HOLD/SAVE]	VALUES - 0 = DOOR BELL 1 = ALARM
Alarm Signal Mode	If this value is set to REPEAT, the Alarm Signal is repeated until it is Alarm Reset.	+ FLEX4 + 0 (Once) + [HOLD/SAVE]	VALUES - 0 = ONCE 1 = REPEAT

Attendant Assignment (PGM 164)

A maximum of 5 Attendants can be assigned, including the Main Attendants and System Attendant. In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 164.
3. Follow the specific procedure as listed in the Table.

PGM 164	DESCRIPTION	PROCEDURE	COMMENTS
System Attendant Assignment	The System Attendant differs from the Main Attendant in regard to call handling and system management priority. The System Attendant has more priority over the Main Attendant(s). NOTE: It is impossible to delete the first System Attendant.	+ FLEX1 + Station Number + [HOLD/SAVE]	VALUES - Default = Station 100 (System Attendant)
Main Attendants Assignment	Main Attendants generally serve as call handlers. NOTE:To delete a Main Attendant, press the FLEX button, and select the Attendant to delete; press the [SPEED] button.	+ FLEX2 (Range: FLEX2-FLEX5) + Station Number + [HOLD/SAVE]	VALUES - Default = Not Assigned 1-4 (Number of Main Attendants)

Auto Attendant VMIB Announcement (PGM 165)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 165.
3. Follow the specific procedure as listed in the Table.

PGM 165	DESCRIPTION	PROCEDURE	COMMENTS
Auto Attendant Usage	If this value is set to ON, Auto Attendant is activated.	+ FLEX1 + 1 (On) + HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
VMIB Announce	This value is the number of VMIB announcements played when Auto Attendant is activated.	+ FLEX2 + VMIB announcement (00-70) + [HOLD/SAVE]	--

CO-To-CO COS (PGM 166)

When an external user of a DID/DISA/TIE line tries to access another CO Line in the system, CO-to-CO COS is applied. The attributes of CO-to-CO COS are the same as the Station COS.

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 166.
3. Follow the specific procedure as listed in the Table.

PGM 166	DESCRIPTION	PROCEDURE	COMMENTS
Day COS	Class-of-Service of Day Mode	+ FLEX1 + 2 + [HOLD/SAVE]	VALUES - 1-9
Night/Weekend COS	Class-of-Service of Night/Weekend Mode	+ FLEX2 + 2 + [HOLD/SAVE]	VALUES - 1-9

DID/DISA Destination (PGM 167)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 167.
3. Follow the specific procedure as listed in the Table.

Note: To go back between entries, use the BACK softkey.

PGM 167	DESCRIPTION	PROCEDURE	COMMENTS
Busy Destination	When there is a DID/DISA incoming call, if the caller dialed a busy destination, the call will be routed to the Busy Destination (Tone / Attendant / Hunt).	+ FLEX1 + FLEX2 + [HOLD/SAVE]	VALUES - FLEX1 = Tone FLEX2 = Attendant (Ring Assign) FLEX3 = Forward to Hunt Group
Error Destination	When there is a DID/DISA incoming call, if the caller dialed an invalid number, the call will be routed to the Error Destination (Tone / Attendant / Hunt).	+ FLEX2 + FLEX2 + [HOLD/SAVE]	VALUES - FLEX1 = Tone FLEX2 = Attendant (Ring Assign) FLEX3 = Forward to Hunt Group
No Answer Destination	When there is a DID/DISA incoming call, if the destination does not answer, the call will be routed to the No Answer Destination (Tone / Attendant / Hunt).	+ FLEX3 + FLEX2 + [HOLD/SAVE]	VALUES - FLEX1 = Tone FLEX2 = Attendant (Ring Assign) FLEX3 = Forward to Hunt Group
VMIB Prompt Usage	If the value is set to ON and VMIB is available, the proper VMIB announcement will be presented to the caller before the call is routed to each Destination.	+ FLEX4 + VALUE + [HOLD/SAVE]	VALUE - FLEX1 = Busy Prompt Usage FLEX2 = Error Prompt Usage FLEX3 = DND Prompt Usage FLEX4 = No Answer Prompt Usage FLEX5 = Attendant Transfer Prompt Usage

PGM 167	DESCRIPTION	PROCEDURE	COMMENTS
Busy Prompt Usage	If the value is set to ON, the Busy announcement will be presented to the caller before the call is routed to Busy Destination.	+ FLEX4 + FLEX1 (Range = refer to VMIB Prompt VALUES) + 0 (OFF) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Error Prompt Usage	If the value is set to ON, an Error announcement will be presented to the caller before the call is routed to the Error Destination.	+ FLEX4 + FLEX2 (Range = refer to VMIB Prompt VALUES) + 0 (OFF) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
DND Prompt Usage	If the value is set to ON, a Busy announcement will be presented to the caller before the call is routed to the Busy Destination when the original destination is in DND mode.	+ FLEX4 + FLEX3 (Range = refer to VMIB Prompt VALUES) + 0 (OFF) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
No Answer Prompt Usage	If the value is set to ON, the No Answer announcement will be presented to the caller before the call is routed to the No Answer Destination.	+ FLEX4 + FLEX4 (Range = refer to VMIB Prompt VALUES) + 0 (OFF) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Attendant Transfer Prompt Usage	If the value is set to ON, the Attendant Transfer announcement will be presented to the caller before the call is routed to the Attendant.	+ FLEX4 + FLEX5 (Range = refer to VMIB Prompt VALUES) + 0 (OFF) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Reroute Busy Destination	When a DID/DISA call is rerouted by the no answer forward/CCR and if rerouted destination is busy, calls will follow the Reroute Busy Destination.	+ FLEX5 + FLEX1 (Range = refer to VALUES) + 0 (OFF) + [HOLD/SAVE]	Not supported at E1 CO line.
Reroute Error Destination	When a DID/DISA call is rerouted by the no answer forward/CCR state and if the rerouted destination returns an error, calls will follow the Reroute Error Destination.	+ FLEX6 + FLEX1 + 0 (OFF) + [HOLD/SAVE]	Not supported at E1 CO line.
Reroute No Answer Destination	If No Answer Destination is busy, the call will be rerouted to Reroute No Answer Destination (Tone / Attendant / Hunt).	+ FLEX7 + FLEX1 + 0 (OFF) + [HOLD/SAVE]	Not supported at E1 CO line.

External Control Contact (PGM 168)

FLEX	ITEM	VALUE	REMARK
1	First Contact	1-3	1: LBC (STA #) 2: Door 3: Ext. 1
2	Second Contact	1-3	
3	Third Contact	1-3	
4	FourthContact	1-3	

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 168.
3. Follow the specific procedure as listed in the Table.

PGM 168	DESCRIPTION	PROCEDURE	COMMENTS
Loud Bell Control (LBC)	If an External Control Contact is assigned to LBC, it is activated. During night mode, LBC1 may be programmed to provide external night ringing. In this case LBC1 does not follow the associated Station ring.	+ FLEX1 (Range: FLEX1-FLEX4) + 1 + Station Number + [HOLD/SAVE]	VALUES - 1 = LBC (STA #) 2 = Door 3 = Ext. 1
Door Open	External Control Contact can be used when programmed to open a door.	+ FLEX1 + 2 + [HOLD/SAVE]	VALUES - 1 = LBC (STA #) 2 = Door 3 = Ext. 1
External Relay	External Control Contact can be for an External Relay.	+ FLEX1 + 3 + [HOLD/SAVE]	VALUES - 1 = LBC (STA #) 2 = Door 3 = Ext. 1

LCD Time/Date/Language Display Mode (PGM 169)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 169.
3. Follow the specific procedure as listed in the Table.

PGM 169	DESCRIPTION	PROCEDURE	COMMENTS
LCD Time Display Mode	Two LCD Time formats are available: Ordinary (12-hour), and Military (24-hour) mode.	+ FLEX1 + 0 (24H) + [HOLD/SAVE]	VALUES - 0 = 24-HOUR MODE 1 = 12-HOUR MODE
LCD Date Display Mode	Two LCD date formats are available: Day/Month/Year (DDMMYY), or Month/Day/Year (MMDDYY) mode.	+ FLEX2 + 1 (MMDDYY) + [HOLD/SAVE]	VALUES - 0 = DDMMYY 1 = MMDDYY
LCD Language Display Mode	A choice of 15 LCD language formats can be selected.	+ FLEX3 + VALUE (Range: 00-15) + [HOLD/SAVE]	VALUES - 00 = English 01 = Italian 02 = Finnish 03 = Dutch 04 = Swedish 05 = Danish 06 = Norwegian 07 = Hebrew 08 = Germany 09 = French 10 = Portuguese 11 = Spanish 12 = Korean 13 = Estonia 14 = Russian 15 = Turkish

Modem Assignment (PGM 170)

Modem service is available only when a MODU is installed on the MBU. In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 170.
3. Follow the specific procedure as listed in the Table.

PGM 170	DESCRIPTION	PROCEDURE	COMMENTS
STA No.	The Modem-associated station to be used as Modem line flexibly. Incoming CO calls will be connected to Modem device if the Station receives a call.	+ FLEX1 + Station Number + [HOLD/SAVE]	VALUES - Default = last station (131)
CO No.	If a CO Line is associated with the Modem, all incoming CO calls through the line will be connected via the Modem. The Modem-associated to the CO Line cannot be used for outgoing CO calls.	+ FLEX2 + CO Number + [HOLD/SAVE]	VALUES - 01-12 (Analog CO line)

Music Assignment (PGM 171)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 171.
3. Follow the specific procedure as listed in the Table.

PGM 171	DESCRIPTION	PROCEDURE	COMMENTS
BGM Type	Background Music Type	+ FLEX1 + BGM Type (refer to VALUES) + [HOLD/SAVE]	VALUES - 0=Not Assignment 1 = Int. Music 2 = External Music 3 = (N/A for SBX IP 320) 4-8 = SLT MOH
MOH Type	When MOH Type is assigned, the external party of a CO line call placed in the hold state (System, exclusive, transfer, conference, etc.), should hear music.	+ FLEX2 + MOH Type (refer to VALUES) + [HOLD/SAVE]	VALUES - 0=Not Assignment 1 = Int. Music 2 = External Music 3 = (N/A for SBX IP 320) 4-8 = SLT MOH 9 = Hold Tone
ICM Box / Doorbox Music Channel	This establishes which music channel will supply music to Doorbox(es)	+ FLEX3 + Music Channel (refer to VALUES) + [HOLD/SAVE]	VALUES - 0 = Not Assignment 1 = Int. Music 2 = External Music 3 = (N/A for SBX IP 320) 4-8 = SLT MOH
Assign SLT MOH	To assign a SLT MOH, set the value and match the SLT Station number for the SLT port.	+ FLEX4 + FLEX1 (Range: FLEX1-5) + SLT Station Number + [HOLD/SAVE]	VALUES - FLEX1= SLT MOH 1 FLEX2= SLT MOH 2 FLEX3= SLT MOH 3 FLEX4= SLT MOH 4 FLEX5= SLT MOH 5

PGM 171	DESCRIPTION	PROCEDURE	COMMENTS
Dial Tone Source	To assign an external dial tone, set the SLT Station number of the SLT port.	+ FLEX5 + SLT MOH (Range = 1-5, refer to VALUES) + [HOLD/SAVE]	VALUES - 1 = SLT MOH 1 2 = SLT MOH 2 3 = SLT MOH 3 4 = SLT MOH 4 5 = SLT MOH 5
ICM Ring Back Tone	To assign an external ICM ring back tone, set the SLT Station number of the SLT port.	+ FLEX6+ SLT MOH (Range = 1-5, refer to VALUES) + [HOLD/SAVE]	VALUES - 1 = SLT MOH 1 2 = SLT MOH 2 3 = SLT MOH 3 4 = SLT MOH 4 5 = SLT MOH 5
CO Ring Back Tone (RBT)	To assign external DID ring back tone, set the SLT Station number of the SLT port.	+ FLEX7 + SLT MOH (refer to VALUES) + [HOLD/SAVE]	VALUES - 1 = SLT MOH 1 2 = SLT MOH 2 3 = SLT MOH 3 4 = SLT MOH 4 5 = SLT MOH 5
Int MOH Type	The system provides 13 kinds of Internal MOH types. This is used as an internal music source.	+ FLEX8 + 01 (refer to VALUES) + [HOLD/SAVE]	VALUES - 0 = ROMANCE 1 = TURKISH MARCH 2 = GREENSLEEVES2 3 = FUR ELISE 4 = CARMEN TOREADOR SONG 5 = WALTZ OF THE FLOWERS 6 = PAVANE 7 = SICHILLAND 8 = MOZART PIANO SONATA 9 = SONG OF SPRING 10 = LA CAMPANELLA 11 = OVERTURE NO.2 BADINERIE 12 = BLUE DANUBE

PBX Access Code (PGM 172)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 172.
3. Follow the specific procedure as listed in the Table.

PGM 172	DESCRIPTION	PROCEDURE	COMMENTS
PBX Access Code	A maximum 4 PABX Access Codes can be assigned. A PABX Access Code is a 1 or 2-digit number.	+ FLEX1 (FLEX1-4) + 9 (1 or 2 digits, Range = *,#,1-99) + [HOLD/SAVE]	VALUES - Default = Not Assigned

PLA Priority Setting (PGM 173)

FLEX	ITEM	VALUE	DEFAULT	REMARK
1	XFER (Transfer Call)	1-4	1	PLA priority is set exclusively
2	REC (Recall)	1-4	2	
3	INC (Incoming Call)	1-4	3	
4	QUE (Queued Call)	1-4	4	

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button
2. Dial 173
3. Follow the specific procedure as listed in the Table.

PGM 173	DESCRIPTION	PROCEDURE	COMMENTS
PLA Priority Setting	PLA priority is set exclusively for call handling in relation to Transferred Calls, Recalled Calls, Incoming Calls, and Queued Calls.	Answer Priority: QUE INC REC XFER + FLEX1 + 4 + FLEX2 + 3 + FLEX3 + 2 + FLEX4 + 1 + [HOLD/SAVE]	VALUES - Default = XFER=1, REC=2, INC=3, QUE=4

RS-232C Port Setting (PGM 174)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 174.
3. Follow the specific procedure as listed in the Table.

PGM 174	DESCRIPTION	PROCEDURE	COMMENTS
RS-232C Port Setting	Used to designate port settings and assign: Baud Rate, CTS/RTS, P-Break, and LPP.	COM1 + FLEX1 + FLEX1 + 7 (38400, Baudrate) + [HOLD/SAVE] COM2 (MODU Port) + FLEX2 + FLEX1 + 6 (19200, Baudrate) + [HOLD/SAVE]	VALUES - COM1-COM2 (Refer to Table) FLEX 1-FLEX4 (Refer to Table)

FLEX	ITEM	RANGE
1	COM1 Port Setting	Flex 1-4
2	COM2 - MODU Port Setting	Flex 1-4

FLEX	ITEM	VALUE	DEFAULT	REMARK
1	BAUD RATE	0-7	19200	0: N/A 1: N/A 2: 1200 Baud 3: 2400 Baud 4: 4800 Baud 5: 9600 Baud 6: 19200 Baud 7: 38400 Baud
2	CTS/RTS	ON/OFF	OFF	--
3	P-BREAK	ON/OFF	OFF	--
4	LPP	001-199	060	--

Print Port Selection (PGM 175)

FLEX	ITEM	RANGE	DEFAULT	REMARK
1	Off-line SMDR / Statistics Print	01-11	COM1	01: COM1 02: COM2-MODU 03: TELNET 1 04: TELNET 2 05: TELNET 3 06: (N/A for SBX IP 320) 07: (N/A for SBX IP 320) 08: (N/A for SBX IP 320) 09: (N/A for SBX IP 320) 10: (N/A for SBX IP 320) 11: (N/A for SBX IP 320)
2	ADMIN Print	01-11	COM1	
3	Traffic	01-11	COM1	
4	SMDI Print	01-11	COM1	
5	Call Information	01-11	COM1	
6	Info / On-line SMDR	01-11	COM1	
7	Trace	01-11	COM1	
8	Debug	01-11	COM1	
9	PC ADMIN	--	AUTO SELECT	
10	PC Attendant	01-11	NET_PCATD (08)	
11	CTI	01-11	NET_CTI (09)	
12	Remote Diagnostic (N/A for SBX IP 320)	01-11	NET_REMOTE	

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 175.
3. Follow the specific procedure as listed in the Table.

PGM 175	DESCRIPTION	PROCEDURE
Off-line SMDR / Statistics Print	Off-line SMDR data can be printed through this port.	+ FLEX1 + VALUE (Range = 1-11) + [HOLD/SAVE]
ADMIN Data	When PGM 451 is used, the ADMIN data can be printed through this port.	+ FLEX2 + VALUE (Range = 1-11) + [HOLD/SAVE]
Traffic	Traffic analysis data can be printed through this port.	+ FLEX3 + VALUE (Range = 1-11) + [HOLD/SAVE]
SMDI Print	SMDI data can be printed through this port.	+ FLEX4 + VALUE (Range = 1-11) + [HOLD/SAVE]

PGM 175	DESCRIPTION	PROCEDURE
Call Information	Call information data can be printed through this port.	+ FLEX5 + VALUE (Range = 1-11) + [HOLD/SAVE]
Info / On-line SMDR	On-line SMDR data can be printed through this port.	+ FLEX6 + VALUE (Range = 1-11) + [HOLD/SAVE]
Trace	Trace data can be printed through this port.	+ FLEX7 + VALUE (Range = 1-11) + [HOLD/SAVE]
Debug	Debug data can be printed through this port.	+ FLEX8 + VALUE (Range = 1-11) + [HOLD/SAVE]
PC ADMIN	PC Admin can be connected through this port.	+ FLEX9 + VALUE (Range = 1-11) + [HOLD/SAVE]
PC Attendant	PC Admin can be connected through this port.	+ FLEX10 + VALUE (Range = 1-11) + [HOLD/SAVE]
CTI	CTI can be connected through this port.	+ FLEX11 + VALUE (Range = 1-11) + [HOLD/SAVE]
Remote Diagnostic (Not in SBX IP 320)	Remote Diagnostic data can be printed through this port.	+ FLEX12 + VALUE (Range=1-11) + [HOLD/SAVE]

Pulse Dial Ratio (PGM 176)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 176.
3. Follow the specific procedure as listed in the Table.

PGM 176	DESCRIPTION	PROCEDURE	COMMENTS
Pulse Dial Ratio	Pulse dial speed ratio is set only for 10 PPS.	+ FLEX1 + 0 (refer to VALUES) + [HOLD/SAVE]	VALUES - 0 = 10 PPS 60/40% 1 = 10 PPS 66/33%

SMDR Attributes (PGM 177)

Station Message Detail Recording (SMDR) will provide details on both incoming and outgoing calls. As an assignable database option, if All Call Record is selected, incoming and outgoing local and long distance calls are all provided. If only Long Distance is selected, then only outgoing calls that meet the toll check status requirements listed will be connected. In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 177.
3. Follow the specific procedure as listed in the Table.

PGM 177	DESCRIPTION	PROCEDURE	COMMENTS
SMDR Save Enable	If this value is set to ON, a maximum of 1000 SMDR data entries can be recorded in the System memory.	+ FLEX1 + 1 (ON) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
SMDR Print Enable	If this value is set to ON, SDMR data can be printed in real time through the serial/MODEM/LAN port.	+ FLEX2 + 1 (ON) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Long Distance / All Call Recorded (SMDR Recording Call Type)	If this value is set to LD, only long distance outgoing CO calls will be recorded in the SMDR. If this value is set to ALL, all outgoing CO calls will be recorded by the SMDR. A long distance call is defined as a call that satisfies the condition of FLEX 4, or FLEX 14.	+ FLEX3 + 0 (CALL) + [HOLD/SAVE]	VALUES - 0 = ALL CALL 1 = LD
SMDR Long Distance Call Digit Counter	Outgoing calls are measured to see if the digit counters are exceeded. If so, the call is considered a long distance call.	+ FLEX4 + VALUE (Range = 07-15) + [HOLD/SAVE]	VALUES - FLEX 4, or FLEX 14.
Print Incoming Call	If value is set to ON, all incoming calls can be printed.	+ FLEX5 + 1 (ON) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Print Lost Call	If value is set to ON, lost calls are printed. Lost calls are defined as calls that are unanswered.	+ FLEX6 + 1 (ON) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON

PGM 177	DESCRIPTION	PROCEDURE	COMMENTS
Records in Detail	If this value is set to ON, not only total calls, total metering count and total cost for individual Station, but also the detailed call records are saved up to a maximum of 5000. If this value is set to OFF, only total calls, total metering count and total cost for individual Station information will be recorded.	+ FLEX7 + 0 (OFF) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
SMDR Dial Digit Hidden	If this value is set non-zero value, the printed digits from right or left will be replaced with a '*' symbol up to the designated value. The direction of right or left can be set at ADMIN program 177 - FLEX 13.	+ FLEX8 + VALUE (Range = 0-9) + [HOLD/SAVE]	VALUES - 0-9
SMDR Currency Unit	For easy identification of call costs, the currency unit can be entered with 3 alphabetic characters to be printed in front of call charge amount.	+ FLEX9 + VALUE (3 characters, refer to Keyset Map) + [HOLD/SAVE]	--

. – 13 Q – 11 Z – 12 1 – 10	A – 21 B – 22 C – 23 2 – 20	D – 31 E – 32 F – 33 3 – 30
G – 41 H – 42 I – 43 4 – 40	J – 51 K – 52 L – 53 5 – 50	M – 61 N – 62 O – 63 6 – 60
P – 71 Q – 72 R – 73 S – 74 7 – 70	T – 81 U – 82 V – 83 8 – 80	W– 91 X – 92 Y – 93 Z – 94 9 – 90
Blank – ✳1 : – ✳2 , – ✳3	0 – 00	

PGM 177	DESCRIPTION	PROCEDURE	COMMENTS
SMDR Cost Per Unit Pulse (N/A for SBX IP 320)	The metering pulse used to measure call cost per unit which is sent from the Central Office.	+ FLEX10 + 001000 (Range=6 digits) + [HOLD/SAVE]	--
SMDR Fraction (N/A for SBX IP 320)	This value means the decimal position point of the cost per unit pulse.	+ FLEX11 + VALUE (Range=0-5) + [HOLD/SAVE]	--
SMDR Start Timer	If this value is set to a non-zero value, only the outgoing CO call lasting for more than this time value is served SDMR.	+ FLEX12 + Timer (Range = 000-250) + [HOLD/SAVE]	--
SMDR Hidden Digit	If this value is set to RIGHT, SDMR digit hiding is executed in the right-to-left direction (ex., dialed number "1234567890", would be shown as "12345*****". If this value is set to LEFT, SDMR digit hiding is executed to left-to-right direction, (ex., dialed number "1234567890", would be shown as "*****67890".	+ FLEX13 + 0 (Left) + [HOLD/SAVE]	VALUES - 0 = LEFT 1 = RIGHT
SMDR Long Distance Codes	A long distance call is defined as a call that satisfies the condition of ADMIN PGM 177 - FLEX 4, or ADMIN PGM 177 - FLEX 14.	+ FLEX14 + FLEX1 (Range = FLEX1-5) + 1 (Up to 2 digits, Range = *, #, 0-99) + [HOLD/SAVE]	VALUES - Default = 0 Maximum of 5 SMDR long distance codes (FLEX1-FLEX5)
MSN Print on SMDR	If this value is set to ON, the MSN number is printed instead of the Station number when an outgoing MSN call is made.	+ FLEX15 + VALUE + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Print Caller Number	If this value is set to ON, the caller number is printed when receiving an incoming SMDR call.	+ FLEX16 + VALUE + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
ICM SMDR Save	If this value is set to ON, ICM call data is stored in Off-line SMDR.	+ FLEX17 + VALUE + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON

PGM 177	DESCRIPTION	PROCEDURE	COMMENTS
ICM SMDR Print	If this value is set to ON, ICM call data is printed in On-line SMDR.	+ FLEX18 + VALUE + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
SMDR Interface Service (N/A for SBX IP 320)	If this value is set to ON, SMDR format for CIS, India, & Korea is serviced. If this value is set to ON, SMDR data is saved and sent when there's SMDR data request from application software. When using SMDR interface service, normal Off-line SMDR cannot be saved nor printed.	+ FLEX19 + VALUE + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
I-SMDR Connection Type	This program determines port to be used for printer when SMDR interface service is set. SMDR Interface is served through LAN or SIO.	+ FLEX20 + VALUE + [HOLD/SAVE]	VALUES - 0 = SIO 1 = LAN

System Time/Date Setting (PGM 178

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 178.
3. Follow the specific procedure as listed in the Table.

PGM 178	DESCRIPTION	PROCEDURE	COMMENTS
System Time	Sets the System time; Hour/Min in sequence (ex., for 11:30, enter 1130).	+ FLEX1 + VALUE (4 digits) + [HOLD/SAVE]	
System Date	Sets the System Date; Month/Day/Year in sequence (ex., for 27/January/2004, enter 270104).	+ FLEX2 + VALUE (MMDDYY) + [HOLD/SAVE]	

Linked Station Pairs (PGM 179)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 179.
3. Follow the specific Procedure as listed in the Table.

PGM 179	DESCRIPTION	PROCEDURE	COMMENTS
Linked Station Pairs	Review of the programmed linked station pairs can be accessed at flexible button 1 sub-menu. Registration and delete of the linked Station pairs can be set at flexible button 2 sub-menu. If linked pairs are assigned to a wired (DKT or SLT) and wireless station (WHTU), the wired Station should be assigned as the master Station. NOTE: When there are too many stations to see, you can scroll data using volume up/down key.	Review Linked Station Pairs: + FLEX1 Linked Station Pair (Registration): + FLEX2 + Master Station Number + Slave Station Number + [HOLD/SAVE] Linked Station Pair (Delete): + FLEX2 + Master Station Number (PGM NUMBER)+ [SPEED] + [HOLD/SAVE]	VALUES - FLEX 1 = VIEW FLEX 2 = INPUT 100-131

System Timers (PGM 180-184)

System Timers I (PGM 180)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 180.
3. Follow the specific Procedure as listed in the Table.

PGM 180	DESCRIPTION	PROCEDURE	COMMENTS
Attendant Recall Timer	If a recalled call arrives at the Attendant Station, and the Attendant does not answer within the designated time, the System will disconnect the call.	+ FLEX1 + Minutes (2 digits, Range = 00-60) + [HOLD/SAVE]	--
Call Park Recall Timer	Designates the amount of time before a call placed in a call park location will recall at the Station that placed the call on park.	+ FLEX2 + Seconds (3 digits, Range = 000-600) + [HOLD/SAVE]	--
Camp On Recall Timer	When a call is transferred using Camp-On to a busy Station, if the transferred-to Station does not answer the call, it will recall to the transferring station after the designated time expires.	+ FLEX3 + Seconds (3 digits, Range = 000-200) + [HOLD/SAVE]	--
Exclusive Hold Recall Timer	Designates the amount of time before a call placed on System hold will recall at the Station that placed the call on hold.	+ FLEX4 + Seconds (3 digits, Range = 000-300) + [HOLD/SAVE]	--
I-Hold Recall Timer	When a recalled call is not answered, it will recall to the Attendant after the designated time expires.	[+ FLEX5 + Seconds (3 digits, Range = 000-300) + [HOLD/SAVE]	--
Sys Hold Recall Timer	Designates the amount of time before a call placed on system hold will recall the station placing the hold.	+ FLEX6 + Seconds (3 digits, Range = 000-300) + [HOLD/SAVE]	--
Transfer Recall Timer	Designates the amount of time a transferred call will ring at a transferred-to Station, and how long it will recall at the transferring Station.	+ FLEX7 + Seconds (3 digits, Range = 000-300) + [HOLD/SAVE]	--

PGM 180	DESCRIPTION	PROCEDURE	COMMENTS
ACNR Delay Timer	Designates the time delay when there is no available CO Line in the group.	+ FLEX8 + Seconds (3 digits, Range = 000-300) + [HOLD/SAVE]	--
ACNR No Answer Timer	The system detects a CO ring back tone the CO party. If the call is not answered, the System will disconnect the call.	+ FLEX9 + Seconds (2 digits, Range = 00-50) + [HOLD/SAVE]	--
ACNR Pause Timer	When ANCR Pause Timer expires, ACNR is activated.	+ FLEX10 + Seconds (3 digits, Range = 005-300) + [HOLD/SAVE]	--
ACNR Retry Timer	ACNR is executed up to this value. After the timer expires, ACNR is canceled.	+ FLEX11 + Value (2 digits, Range = 01-30) + [HOLD/SAVE]	--
ACNR No Tone Retry Timer	Determines the number of attempts to secure a CO line for ACNR. If a CO line is not seized, ACNR will be canceled.	+ FLEX12 + Value (1 digit, Range = 1-9) + [HOLD/SAVE]	--
ACNR No Tone Detect Timer	When a call to a busy Station is made, the CPTU attempts to detect the valid tone type until ANCR Tone Detect Timer expires.	+ FLEX13 + Seconds (3 digits, Range = 001-300) + [HOLD/SAVE]	--
Automatic CO Release Timer	Uncompleted CO line calls will automatically be released when the timer expires.	+ FLEX14 + Seconds (3 digits, Range = 020-300) + [HOLD/SAVE]	--
CCR Inter-digit Timer	Used for the CCR inter-digit timer in the DISA/DID CO line. In DID type 2, it is used for the DID inter-digit timer.	+ FLEX15 + MSeconds (3 digits, Range = 000-255) + [HOLD/SAVE]	--
CO Call Drop Warning Timer	On prepaid CO calls, the System will give a warning tone designating prepaid amount has been used. After the timer expires, the call will be disconnected. Also used for call drop warning in Unsupervised Conferences.	+ FLEX16 + msec (2 digits, Range = 00-99) + [HOLD/SAVE]	--
CO Call Restriction Timer (N/A for SBX IP 320)	If this value is set to 0, time of outgoing CO calls are not restricted. If this value is set to non-zero, outgoing CO calls are disconnected after the designated time.	+ FLEX17 + Minutes (2 digits, Range = 00-99) + [HOLD/SAVE]	--

PGM 180	DESCRIPTION	PROCEDURE	COMMENTS
CO Dial Delay Timer	Used to prevent illegal dialing in case of slow response from the Central Office Line or PBX.	+ FLEX18 + Value (100 msec, 2 digits, Range = 00-99) + [HOLD/SAVE]	--
CO Release Guard Timer	Designates the amount of time before a CO line can be re-seized, after a CO call disconnects; controls the time necessary to guarantee an idle loop state when a line is released.	+ FLEX19 + Value (100 msec, 3 digits, Range = 001-150) + [HOLD/SAVE]	--
CO Ring Off Timer	Used to designate the time interval between incoming ringing signals so that active ringing can be retained in the System until the timer expires.	+ FLEX20 + Value (100 msec, 3 digits, Range = 001-150) + [HOLD/SAVE]	--
CO Ring On Timer	Controls the time necessary to detect an incoming CO call ringing into the System.	+ FLEX21 + VALUE (100 msec, 1 digit, Range = 1-9)+ [HOLD/SAVE]	--
CO Warning Tone Timer (Korea only - N/A for SBX IP 320)	Determines the amount of time before receiving a warning tone as a reminder of the elapsed call time on an outgoing CO line conversation.	+ FLEX22 + Seconds (3 digits, Range = 060-900) + [HOLD/SAVE]	--

System Timers II (PGM 181)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 181.
3. Follow the specific procedure as listed in the Table.

PGM 181	DESCRIPTION	PROCEDURE	COMMENTS
Call Forward No Answer Timer	If value is set for no answer call forward, when the Station does not answer, the call will be routed to the assigned forward destination following expiration of the timer.	+ FLEX1 + Seconds (3 digits, Range = 000-255) + [HOLD/SAVE]	--
DID/DISA No Answer Timer	Used for DID or DISA call routing. If the station doesn't answer a DID/DISA call during within the time allowed, the call will be routed to the assigned ADMIN PGM 167 - FLEX 3 value.	+ FLEX2 + Seconds (2 digits, Range = 00-99) + [HOLD/SAVE]	--
VMIB User Record Timer	Designates the maximum time a Station user can record their VMIB announcement.	+ FLEX3 + Seconds (3 digits, Range = 010-255) + [HOLD/SAVE]	--
VMIB Valid User Message	If this value is set to 0, the VMIB announcement cannot be recorded; designates the minimum time that a Station user must record their VMIB announcement.	+ FLEX4 + Seconds (1 digit, Range = 0-9) + [HOLD/SAVE]	--
Door Open Timer	Designates the length of time needed to execute the door open relay.	+ FLEX5 + Value (100 msec, 2 digits, Range = 05-99) + [HOLD/SAVE]	--
ICM Box Timer	Designates the ringing time of the ICM box at a Station, when the ICM box user presses the [CALL] button.	+ FLEX6 + Seconds (2 digits, Range = 00-60) + [HOLD/SAVE]	--
ICM Dial Tone Timer	Designates the time when an off-hook Station will play the intercom dial tone before an error tone is provided.	+ FLEX7 + Seconds (2 digits, Range = 01-20) + [HOLD/SAVE]	--
Inter-digit Timer	Designates the maximum time between digits, before an error tone is provided.	+ FLEX8 + Seconds (2 digits, Range = 01-20) + [HOLD/SAVE]	--

PGM 181	DESCRIPTION	PROCEDURE	COMMENTS
MSG Wait Reminder Tone Timer	Designates the amount of time between repeated message waiting reminder tones to the Station.	+ FLEX9 + Seconds (2 digits, Range = 00-60) + [HOLD/SAVE]	--
Paging Timeout Timer	Designates the maximum time for a page. The System will automatically disconnect the page when the timer expires.	+ FLEX10 + Seconds (3 digits, Range = 000-255) + [HOLD/SAVE]	--
Pause Timer	Used for speed dial or LNR; the SBX IP 320 System sends the dialed digits to the outgoing CO line, after the designated time.	+ FLEX11 + Seconds (1 digit, Range = 1-9) + [HOLD/SAVE]	--
Preset Call Forward Timer	After the timer expires, incoming calls will be forwarded to a predetermined Station.	+ FLEX12 + Seconds (2 digits, Range = 00-99) + [HOLD/SAVE]	--
SLT DTMF Release Timer		+ FLEX13 + Seconds (2 digits, Range = 01-20) + [HOLD/SAVE]	--
3 Soft Auto Release Timer (3 soft key DKTU only)	While in the 3 soft button menu, if no digits are pressed within the designated time, the DKTU will return to an Idle state.	+ FLEX14 + Seconds (2 digits, Range = 01-30) + [HOLD/SAVE]	--
VM Pause Timer	This is the amount of time a VM port will remain idle before taking another call.	+ FLEX15 + Value (100 msec, 2 digits, Range = 01-99) + [HOLD/SAVE]	--
Transit Connect Timer	Designates the amount of time before the master system sends a connect message to the slave system when using a pulse analog trunk.	+ FLEX16 + Value (2 digits, Range = 01-30) + [HOLD/SAVE]	--
VMIB Message Rewind Timer	Designates the amount of time the system will wait for the Station User to press the [REWIND] button while listening to VMIB messages.	+ FLEX17 + Value (2 digits, Range = 01-99) + [HOLD/SAVE]	--
LCO Connect Timer (CIS only - N/A for SBX IP 320)	If this timer expires after starting outgoing dial, the system regards that line as connected. So if there are any extra digits after this timer expires, the Pause is automatically added before the first added digit.	+ FLEX18 + Value (2 digits, Range = 01-20) + [HOLD/SAVE]	--

PGM 181	DESCRIPTION	PROCEDURE	COMMENTS
LCO CPT Detect Timer (N/A for SBX IP 320)	To check LCO status after LCO is connected, system assigns CPT periodically with this timer. To activate this, CO - CO XFER CPT detect (PGM160 - F16) should be set to ON.	+ FLEX19 + Value (2 digits, Range = 01-20) + [HOLD/SAVE]	--
Forward to VMIB Timer	If Auto Forward To VMIB feature (PGM113 - F14) is set for a station, the call is automatically forwarded to VMIB after this timer expired, so the caller can leave a voice message.	+ FLEX20 + Value (2 digits, Range = 20-60) + [HOLD/SAVE]	--

System Timers III (PGM 182)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 182.
3. Follow the specific Procedure as listed in the Table.

PGM 182	DESCRIPTION	PROCEDURE	COMMENTS
SLT Hook Switch Bounce Timer (SLT only)	Designates the length of time needed to detect a valid on- or off-hook state.	+ FLEX1 + Value (100 msec, 2 digits, Range = 01-25) + [HOLD/SAVE]	--
SLT Maximum Hook Flash Timer (SLT only)	Designates how long the User needs to press the hook switch to register a FLASH (Timed-Break Recall).	+ FLEX2 + Value (10 msec, 3 digits, Range = 001-250) + [HOLD/SAVE]	--
SLT Minimum Hook Flash Timer (SLT only)	Used to designate the minimum time for the System to register a hook flash.	+ FLEX3 + Value (10 msec, 3 digits, Range = 000-250) + [HOLD/SAVE]	--
SLT Ring Phase Timer (SLT only)	Designates the ring phase or cadence (ex., 5 SEC: 1 SEC ON / 4 SEC OFF).	+ FLEX4 + Value (10 msec, 1 digits, Range = 2-5) + [HOLD/SAVE]	--
Station Auto Release TimerTimer	If a Station hears a ring back tone and no action is taken within the designated time, the Station will be released.	+ FLEX5 + Value (10 msec, 3 digits, Range = 020-300) + [HOLD/SAVE]	--
Unsupervised Conference Timer	Designates the amount of the time an unsupervised conference can continue after the initiator of the conference has exited.	+ FLEX6 + Minutes (2 digits, Range = 00-99) + [HOLD/SAVE]	--
Wake-up Fail Ring Timer	Designates the amount of time a Wake-up Fail Ring will ring at the System Attendant Station.	+ FLEX7 + Minutes (2 digits, Range = 00-99) + [HOLD/SAVE]	--
Warm Line Timer	Designates the amount of time before a warm line state exists on an idle line after lifting handset or pressing the [SPEAKER] button.	+ FLEX8 + Seconds (2 digits, Range = 01-20) + [HOLD/SAVE]	--
Wink Timer (future feature)	Designates the amount of time needed to acknowledge a signal on a DID line.	+ FLEX9 + Value (10 msec, 3 digits, Range = 010-200) + [HOLD/SAVE]	--

PGM 182	DESCRIPTION	PROCEDURE	COMMENTS
Enblock Digit Timer (N/A for SBX IP 320)	Designates the amount of time allowed before enblock dialing is activated when the user is making an enblock dialing mode call.	+ FLEX10 + Value (10 sec, 2 digits, Range = 01-20) + [HOLD/SAVE]	RESERVED
CCR Time Out Timer	When this timer expires, CCR is activated.	+ FLEX11 + Seconds (2 digits, Range = 000-300) + [HOLD/SAVE]	--
DID Inter-digit Timer	Designates the amount of time before call routing of DID type 2 is executed.	+ FLEX12 + Seconds (2 digits, Range = 01-20) + [HOLD/SAVE]	--
Fax Tone Detect Timer	Designates the amount of time allowed to detect a FAX tone from the FAX CO line before the call is routed to the ring assigned Station for FAX CO line.	+ FLEX13 + Seconds (2 digits, Range = 01-10) + [HOLD/SAVE]	5 sec is suggested.
Fax CO Call Timer	Designates the amount of time allowed to connect a call when a FAX tone is detected from FAX CO line; the call will attempt to be routed to the appropriate FAX Station.	+ FLEX14 + Minutes (1 digit, Range = 1-5) + [HOLD/SAVE]	--

In-room Indication (PGM 183)

A supervisor can press an In-room Indication button and [HOLD/SAVE] button at idle state. This causes the LED of In-Room Indication buttons of all members to be turned ON.

10 bins can be programmed. Each bin can have have up to 20 members, excluding the Supervisor.

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 183.
3. Enter bin number (01-10).
4. Follow the specific procedure as listed in the Table.

PGM 183	DESCRIPTION	PROCEDURE	COMMENTS
In-room Indication Supervisor	This station can Turn ON or OFF the In-room Indication button of all members in the same bin.	+ FLEX1 + Station Number + [HOLD/SAVE]	--
In-room Indication Member	Each member can see the status of the In-room Indication button according to the supervisor.	+ FLEX2 + Station Range + [HOLD/SAVE]	--

Chime Bell (PGM 184)

If the Chime Bell Activate Station presses the Chime Bell button, the Chime Bell Receiver Station starts to ring. The ring stops when the Chime Bell Timer expires.

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 184.
3. Follow the specific Procedure as listed in the Table.

PGM 184	DESCRIPTION	PROCEDURE	COMMENTS
Chime Bell Station Pair	First station is a Chime Bell Activate Station, and second station is a Chime Bell Receiver Station.	+ FLEX1 + Bin Number (01-14) + Station Pair + [HOLD/SAVE]	--
Chime Bell Relay	If the Chime Bell Relay is assigned, the external relay makes the signal at the same time like a Loud Bell Control.	+ FLEX2 + Bin Number (2 digits, Range = 01-14) + Relay number (1digit, Range = 1-4) + [HOLD/SAVE]	--
Bell Timer	Chime Bell Receiver Station receives Chime bell ring until this timer expires.	+ FLEX3 + Value (2digits, Range = 01-20seconds) + [HOLD/SAVE]	--
Bell Frequency	Chime Bell Frequency can be adjusted by this feature.	+ FLEX4 + FLEX1-FLEX2 + Value (2digits, Range = 01-20) + [HOLD/SAVE]	--

DCOB Attribute (PGM 186-187)

DCOB Attribute I (PGM 186)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 186.
3. Follow the specific Procedure as listed in the Table.

PGM 186	DESCRIPTION	PROCEDURE	COMMENTS
--		+ FLEX1 + Value + [HOLD/SAVE]	RESERVED
Metering Type	Use call metering signal.	+ FLEX2 + Value + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
R2 OUT Manage Timer	In R2-DCO signaling, maximum time for waiting for forward signal from PX (1 sec)	+ FLEX3 + Time (2digits, Range = 01-50 seconds) + [HOLD/SAVE]	--
R2 IN Manage Timer	In R2 signaling, maximum time for waiting for forward signal from PX (1 sec)	+ FLEX4 + Time (2digits, Range = 01-50 seconds) + [HOLD/SAVE]	--
R2 Disappear Timer		+ FLEX5 + Time (2digits, Range = 01-50 seconds) + [HOLD/SAVE]	--
R2 Pulse Timer	In R2 signaling, time duration to send pulse typed R2 signal (20 msec)	+ FLEX6 + Time (2digits, Range = 01-30) + [HOLD/SAVE]	20 msec base
R2 Ready Timer		+ FLEX7 + Time (3digits, Range = 000-500) + [HOLD/SAVE]	20 msec base
Dial Tone Delay Timer		+ FLEX8 + Time (2digits, Range = 01-30 seconds) + [HOLD/SAVE]	--
Line Status		+ FLEX9 + Value (1digits, Range = 1-9)+ [HOLD/SAVE]	--

PGM 186	DESCRIPTION	PROCEDURE	COMMENTS
Calling Category		+ FLEX10 + Value (1digit, Range = 1-9) + [HOLD/SAVE]	--
ANI Request	Request the CID to the called party.	+ FLEX11 + Value + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
CLI Digit Number		+ FLEX12 + Value (2 digits, Range = 01-10 digits) + [HOLD/SAVE]	--
R2 OUT Digit Timer	If outgoing dial is not performed within this timer, the R2 outgoing call is failed.	+ FLEX13 + Value (2 digits, Range = 01-50 digits) + [HOLD/SAVE]	--
R2 Error Prompt Usage	If an R2 outgoing call is made and the ERROR signal is received (usually there's an error in the traffic or etc..), the caller hears the error announcement to call again. If there's no available VMIB, the system error tone is heard.	+ FLEX14 + Value + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
R2 Busy Prompt Usage	If an R2 outgoing call is made and the BUSY signal is received (the destination is busy), the caller heasr the busy announcement. If there's no available VMIB, the system busy tone is heard.	+ FLEX15 + Value + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
R2 Announce Prompt Usage	If an R2 outgoing call is made and the ANNOUNCE signal is received (if the destination number is invalid or etc..), the caller hears the error announcement to call again. If there's no available VMIB, the system error tone is heard.	+ FLEX16 + Value + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
DCO Gain		+ FLEX20 + Value + [HOLD/SAVE]	VALUES - 1-63

DCOB Attribute II (PGM 187)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 187.
3. Follow the specific procedure as listed in the Table.

PGM 187	DESCRIPTION	PROCEDURE	COMMENTS
IN Digit Type	Select the incoming digit information signaling type of DCO.	+ FLEX1 + CO Line Range + Type (1 digit, Range = 0-2) + [HOLD/SAVE]	TYPE - 0 = PULSE 1 = DTMF 2 = R2MFC
OUT Digit Type	Select the outgoing digit information signaling type of DCO.	+ FLEX2 + CO Line Range + Type (1 digit, Range = 0-2) + [HOLD/SAVE]	TYPE - 0 = PULSE 1 = DTMF 2 = R2MFC TYPE
CLI Digit Number	Set the digit numbers received for CLI	+ FLEX3 + CO Line Range + Value (2 digits, Range = 01-15 digits) + [HOLD/SAVE]	-
DCOB TYPE	Select DCO CO line service type. According to the country, DCO CO service type is different.	+ FLEX4 + Value (1 digit, Range = 0-4) + [HOLD/SAVE]	VALUES - - 0: Sweden/Cyprus - 1: Italy - 2: Korea/Australia - 3: Brazil - 4: India
SEND S-BLOCK COMMAND	If this value is set to ON, the DCO line send S-Block command to PX.	+ FLEX5 + Value (1digit, Range = 0-1) + [HOLD/SAVE]	VALUES - - 0: OFF - 1: ON

Station Group (PGM 190-191)

Station Group Assignment (PGM 190)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 190.
3. Enter the appropriate Hunt Group Number.
4. Follow the specific Procedure as listed in the Table.

PGM 190	DESCRIPTION	PROCEDURE	COMMENTS
Group Type (Note: Use BACK softkey to go back to main entry)	Assigns the Hunt Group type: circular / terminal /UCD / ring / VM / pick-up / networking VM.	+ FLEX1 + Group Type (refer to VALUES) + [HOLD/SAVE]	VALUES - 0 = Not Assigned 1 = Circular 2 = Terminal 3 = UCD 4 = Ring 5 = VM 6 = Pick up 7 = Networking VM
Pick-up Attribute (Note: Use BACK softkey to go mack to main entry)	Assign the pick-up attributes for the Hunt Group. All types of Hunt Groups can be assigned the optional pick-up attribute, except for the pick-up hunt group.	+ FLEX2 + 1 (ON) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Member Assignment	This member assignment process can be executed in two ways: Assigning individually by pressing the Flexible Button and the desired User to assign and then enter the Station number. The other way is to successively assign, by first entering the Station number and last Station number. NOTE: When there are too many Stations to see, you can scroll data using the volume up/down keys.	+ FLEX3 + Station NUMBER + [HOLD/SAVE]	VALUES - 100-131

Station Group Attributes (PGM 191)

If the Hunt Group type is selected at ADMIN program 190, then the attributes of each Hunt Group can be programmed at ADMIN program 191. In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 191.
3. Enter the appropriate Hunt Group Number (620-629).
4. Follow the specific procedure as listed in the Table.

Note: You must create a group in PGM190 prior to accessing PGM191.

CIRCULAR/TERMINAL GROUP ATTRIBUTES			
PGM 191	**DESCRIPTION**	**PROCEDURE**	**COMMENTS**
VMIB Announce 1 Timer	If the call is not answered during the timer, the System will play the VMIB announcement that is programmed.	+ FLEX1 + Seconds (Range = 000-999) + [HOLD/SAVE]	--
VMIB Announce 2 Timer	The second VMIB announcement will be played if the call continues to wait beyond the expiration of the 2nd announcement timer.	+ FLEX2 + Seconds (Range = 000-999) + [HOLD/SAVE]	--
VMIB Announce 1 Location	Used to play the VMIB announcement, when the VMIB announce 1 timer expires.	+ FLEX3 + VMIB Announcement Number (Range = 00-70) + [HOLD/SAVE]	--
VMIB Announce 2 Location	Used to play the VMIB announcement, when the VMIB announce 2 timer expires.	FLEX4 + VMIB Announcement Number (Range = 00-70) + [HOLD/SAVE]	--
VMIB Announce 2 Repeat Timer	Used to repeat the VMIB announce 2 when the timer expires.	+ FLEX5 + Seconds (Range = 001-999 + [HOLD/SAVE]	VALUES - 000 = Not Assigned
VMIB Announce 2 Repeat Enable/Disable	Used to enable or disable the VMIB Announce 2 Repeat.	+ FLEX6 + 1 (ON) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON

CIRCULAR/TERMINAL GROUP ATTRIBUTES			
PGM 191	**DESCRIPTION**	**PROCEDURE**	**COMMENTS**
Overflow Destination	Calls to a Station in the group will continue to route until answered or each station in the group has been tried. The call will remain at the last station in the group or will be passed to the overflow station/group/ VMIB/System Speed bin, after the overflow timer expires.	+ FLEX7 + VALUE (Destination Type, Range 1-4) + VALUE (STA/Hunt Group/VMIB/Speed Bin) + [HOLD/SAVE]	VALUES - 1 = Station # 2 = Hunt # 3 = VMIB 00-70 (00: Note Assigned) 4 = System Speed # (2000-2499)
Overflow Timer	If timer expires after a call is received in the group, the call will be routed to the overflow destination.	+ FLEX8 + Seconds (Range = 000-600) + [HOLD/SAVE]	--
Wrap-up Timer	Designates the amount of time a call will be held in a busy state following expiration of the timer.	+ FLEX9 + Seconds (Range = 002-999) + [HOLD/SAVE]	--
No Answer Timer	In circular/terminal Hunt Group, if the incoming call is not answered during the allowed time, the call will be routed to the next idle station in the group.	+ FLEX10 + Seconds (Range = 00-99) + [HOLD/SAVE]	--
Pilot Hunt	If this value is set ON, calls to the each Hunt Group member will be processed as a call to Hunt Group. A circular/terminal hunt group can be assigned with a pilot number so that only calls to the pilot number will be treated as calls to the Hunt Group.	+ FLEX11 + 0 (OFF) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Alt If No Member	If a member is not on duty, intercom calls will be dropped and CO incoming calls will be routed to the designated overflow destination, or will ring at the assigned Station if the overflow destination is not assigned.	+ FLEX12 + 1 (ON) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Music Source	If a music source is assigned, user will be able to hear music instead of a ring back tone.	+ FLEX13 + Music Source (refer to VALUES) + [HOLD/SAVE]	VALUES - 0 = Not assigned by this field. 1 = Internal Music 2 = External Music 3 = Not in SBX IP 320 4-8 = SLT MOH

CIRCULAR/TERMINAL GROUP ATTRIBUTES			
PGM 191	**DESCRIPTION**	**PROCEDURE**	**COMMENTS**
Alt Destination	If no members are on duty or all members are busy, incoming CO calls will be routed to an alternate destination.	+ FLEX14 + Destination Type (refer to VALUES) + Station or Hunt Group Number + [HOLD/SAVE]	VALUES - 1 = STA # 2 = Hunt #
Max Queue Count	If no members are on duty or all members are busy, incoming CO calls will be queued. The Hunt Group Supervisor will be able to see the queued incoming call count until the max queue count is attained.	+ FLEX15 + Value (2 digits, Range = 00-99) + [HOLD/SAVE]	--
Hunt Member Forward	OFF is receive Hunt Call, ON is not receive Hunt Call.	+ FLEX16 + VALUE + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Queue Count Display	If this value is set to ON, Hunt member can check the Queue Count.	+ FLEX17 + VALUE + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON

UCD GROUP ATTRIBUTES			
PGM 191	**DESCRIPTION**	**PROCEDURE**	**COMMENTS**
VMIB Announce 1 Timer	If the call is not answered during the timer, the System will play the VMIB announcement that is programmed.	+ FLEX1 + Seconds (Range = 000-999) + [HOLD/SAVE]	--
VMIB Announce 2 Timer	The second VMIB announcement will be played if the call continues to wait beyond the expiration of the 2nd announcement timer.	+ FLEX2 + Seconds (Range = 000-999) + [HOLD/SAVE]	--
VMIB Announce 1 Location	Used to play the VMIB announcement, when the VMIB announce 1 timer expires.	+ FLEX3 + VMIB Announcement Number (Range = 00-70) + [HOLD/SAVE]	--
VMIB Announce 2 Location	Used to play the VMIB announcement, when the VMIB announce 2 timer expires.	FLEX4 + VMIB Announcement Number (Range = 00-70) + [HOLD/SAVE]	--

UCD GROUP ATTRIBUTES			
PGM 191	**DESCRIPTION**	**PROCEDURE**	**COMMENTS**
VMIB Announce 2 Repeat Timer	Used to repeat the VMIB announce 2 when the timer expires.	+ FLEX5 + Seconds (Range = 001-999) + [HOLD/SAVE]	VALUES - 000 = Not Assigned 001-999
VMIB Announce 2 Repeat Enable/Disable	Used to enable or disable the VMIB Announce 2 Repeat.	+ FLEX6 + 1 (ON) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Overflow Destination	Calls to a Station in the group will continue to route until answered or each station in the group has been tried. The call will remain at the last station in the group or will be passed to the overflow station/group/ VMIB/System Speed bin, after the overflow timer expires.	+ FLEX7 + VALUE (Destination Type, Range 1-4) + VALUE (STA/Hunt Group/VMIB/Speed Bin) + [HOLD/SAVE]	VALUES - 1 = Station # 2 = Hunt # 3 = VMIB 00-70 (00: Note Assigned) 4 = System Speed # (2000-2499)
Overflow Timer	If timer expires after a call is received in the group, the call will be routed to the overflow destination.	+ FLEX8 + Seconds (Range = 000-600) + [HOLD/SAVE]	--
Wrap-up Timer	Designates the amount of time a call will be held in a busy state following expiration of the timer.	+ FLEX9 + Seconds (Range = 002-999) + [HOLD/SAVE]	--
Alt If No Member	If a member is not on duty, intercom calls will be dropped and CO incoming calls will be routed to the designated overflow destination, or will ring at the assigned Station if the overflow destination is not assigned.	+ FLEX10 + 1 (ON) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Music Source	If a music source is assigned, user will be able to hear music instead of a ring back tone.	+ FLEX11 + Music Source (refer to VALUES) + [HOLD/SAVE]	VALUES - 0 = Not assigned by this field. 1 = Internal Music 2 = External Music 3 = Not in SBX IP 320 4-8 = SLT MOH

UCD GROUP ATTRIBUTES			
PGM 191	**DESCRIPTION**	**PROCEDURE**	**COMMENTS**
ACD Warning Tone	An ACD supervisor can monitor agent conversations. A warning tone can be provided to the agent and connected party when the supervisor activates the monitor feature.	+ FLEX12 + 0 (Off) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Alt Destination	If no members are on duty or all members are busy, incoming CO calls will be routed to an alternate destination.	+ FLEX13 + Destination Type (refer to VALUES) + Station or Hunt Group Number + [HOLD/SAVE]	VALUES - 1 = STA # 2 = Hunt #
Supervisor Timer	When a call is received in the Group, and no Stations are available, the call will be queued. If the total queued call count is more than the supervisor call count (ACD queued call ADMIN program value is set to ON), and the queued time is longer than this timer, then the counts of queued calls will be displayed on the Supervisor's LCD.	+ FLEX14 + Seconds (Range = 000-999)+ [HOLD/SAVE]	--
Supervisor Call Count	If the number of queued calls is more than Supervisor Call Count, the supervisor timer will be started.	+ FLEX15 + Seconds (Range = 00-99)+ [HOLD/SAVE]	--
ACD Queued Call	If this value is set to ON, the count of queued calls can be displayed on the Supervisor Station LCD.	+ FLEX16 + 1 (ON) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Max Queue Count	If no members are on duty or all members are busy, incoming CO calls will be queued. The Hunt Group Supervisor will be able to see the queued incoming call count until the max queue count is attained.	+ FLEX17 + Value (2 digits, Range = 00-99) + [HOLD/SAVE]	--
Supervisor	Used to set the Supervisor Station number.	+ FLEX18 + STA Number (Range = 100-125) + [HOLD/SAVE]	--

UCD GROUP ATTRIBUTES			
PGM 191	**DESCRIPTION**	**PROCEDURE**	**COMMENTS**
UCD Hunt Stations' Priority	Used to set the UCD group member's priority. The value of 0 is the highest priority, and the value of 9 is the lowest priority. If the station has high priority, it takes more priority to receive the incoming call.	+ FLEX19 + VALUE (1 digit, Range=0-9) + [HOLD/SAVE]	--
Hunt Member Forward	OFF is receive Hunt Call, ON is not receive Hunt Call.	+ FLEX20 + VALUE + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
UCD DND Timer	If this timer set to 00 sec, this timer is not operated. If this timer is set to 10, after 10 sec ringing UCD member is automatically UCD DND state.	+ FLEX21 + VALUE + [HOLD/SAVE]	VALUE - 00-60

RING GROUP ATTRIBUTES			
PGM 191	**DESCRIPTION**	**PROCEDURE**	**COMMENTS**
VMIB Announce 1 Timer	If the call is not answered during the timer, the System will play the VMIB announcement that is programmed.	+ FLEX1 + Seconds (Range = 000-999) + [HOLD/SAVE]	--
VMIB Announce 2 Timer	The second VMIB announcement will be played if the call continues to wait beyond the expiration of the 2nd announcement timer.	+ FLEX2 + Seconds (Range = 000-999) + [HOLD/SAVE]	--
VMIB Announce 1 Location	Used to play the VMIB announcement, when the VMIB announce 1 timer expires.	+ FLEX3 + VMIB Announcement Number (Range = 00-70) + [HOLD/SAVE]	--
VMIB Announce 2 Location	Used to play the VMIB announcement, when the VMIB announce 2 timer expires.	FLEX4 + VMIB Announcement Number (Range = 00-70) + [HOLD/SAVE]	--
VMIB Announce 2 Repeat Timer	Used to repeat the VMIB announce 2 when the timer expires.	+ FLEX5 + Seconds (Range = 001-999 + [HOLD/SAVE]	VALUES - 000 = Not Assigned

RING GROUP ATTRIBUTES			
PGM 191	**DESCRIPTION**	**PROCEDURE**	**COMMENTS**
VMIB Announce 2 Repeat Enable/Disable	Used to enable or disable the VMIB Announce 2 Repeat.	+ FLEX6 + 1 (ON) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Overflow Destination	Calls to a Station in the group will continue to route until answered or each station in the group has been tried. The call will remain at the last station in the group or will be passed to the overflow station/group/ VMIB/System Speed bin, after the overflow timer expires.	+ FLEX7 + VALUE (Destination Type, Range 1-4) + VALUE (STA/Hunt Group/VMIB/Speed Bin) + [HOLD/SAVE]	VALUES - 1 = Station # 2 = Hunt # 3 = VMIB 00-70 (00: Note Assigned) 4 = System Speed # (2000-2499)
Overflow Timer	If timer expires after a call is received in the group, the call will be routed to the overflow destination.	+ FLEX8 + Seconds (Range = 000-600) + [HOLD/SAVE]	--
Wrap-up Timer	Designates the amount of time a call will be held in a busy state following expiration of the timer.	+ FLEX9 + Seconds (Range = 002-999) + [HOLD/SAVE]	--
Music Source	If a music source is assigned, user will be able to hear music instead of a ring back tone.	+ FLEX10 + Music Source (refer to VALUES) + [HOLD/SAVE]	VALUES - 0 = Not assigned by this field. 1 = Internal Music 2 = External Music 3 = Not in SBX IP 320 4-8 = SLT MOH
Max Queued Call Count	The maximum call count that can be queued. If the total queued call count is achieved, the next queuing call will be disconnected.	+ FLEX11 + Seconds (2 digits, Range = 00-99) + [HOLD/SAVE]	--
VMIB Supervisor		+ FLEX12 + STA Number (Range=100-125) + [HOLD/SAVE]	
Hunt Member Forward	OFF is receive Hunt Call, ON is not receive Hunt Call.	+ FLEX13 + VALUE + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Queue Count Display	If this value is set to ON, Hunt member can check the Queue Count.	+ FLEX14 + VALUE + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON

VM GROUP ATTRIBUTES			
PGM 191	**DESCRIPTION**	**PROCEDURE**	**COMMENTS**
Wrap-up Timer	Designates the amount of time a call will be held in a busy state following expiration of the timer.	+ FLEX1 + Seconds (Range = 002-999) + [HOLD/SAVE]	--
Put Mail Index	One of the voice mail dialing tables.	+ FLEX2 + VALUE (Range = 1-4) + [HOLD/SAVE]	--
Get Mail Index	One of the voice mail dialing tables.	+ FLEX3 + VALUE (Range = 1-4) + [HOLD/SAVE]	--
Hunt Type	Used to set the hunt type for VM members.	+ FLEX4 + 1 (Circular) + [HOLD/SAVE]	VALUES - 1 = CIRC (Circular Hunt Group) 2 = TERM (Terminal Hunt Group)
SMDI Port	The Simplified Message Desk Interface (SMDI) dictates the distribution of VM information.	+ FLEX5 + SMDI Port (Range = 01-11) + [HOLD/SAVE]	Need not to be programmed in SBX IP 320
Overflow Timer	If timer expires after a call is received in the group, the call will be routed to the overflow destination.	+ FLEX6 + Seconds (Range = 000-600)+ [HOLD/SAVE]	--
Overflow Destination	Calls to a Station in the group will continue to route until answered or each station in the group has been tried. The call will remain at the last station in the group or will be passed to the overflow station/group/ VMIB/System Speed bin, after the overflow timer expires.	+ FLEX7 + Value (Destination Type) + STA/Hunt Group/VMIB/Speed Bin (refer to VALUES) + [HOLD/SAVE]	VALUES - 1 = Station # 2 = Hunt # 3 = VMIB 00-70 (00: Not Assigned) 4 = System Speed # (2000-2499)

PICK-UP GROUP ATTRIBUTES			
PGM 191	**DESCRIPTION**	**PROCEDURE**	**COMMENTS**
Auto Pick-up	If this value is set to ON, and there is ringing at a hunt member, another hunt member can pickup the call automatically by pressing the [SPK] button or going off-hook.	+ FLEX1 + 1 (On) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
All Ring	If this value is set to ON, and a hunt group member receives an intercom call, then all hunt group member Stations will ring. NOTE: Auto Pickup ADMIN program must be set to ON.	+ FLEX2 + 1 (On) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON

ISDN System Base Program (PGM 200-201)

System ISDN Attributes (PGM 200)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 200.
3. Follow the specific procedure as listed in the Table.

PGM 200	DESCRIPTION	PROCEDURE	COMMENTS
Advice of Charge (Not used in SBX IP 320)	The AOC is the call cost information service that is provided by public ISDN. According to the country, the standard of AOC type is different. This value is used to set AOC type.	FLEX1 + VALUE + [HOLD/SAVE]	VALUE - 0--6
CO ATD Code	This value is used when ISDN DID call incoming and outgoing case. If the received DID digit is matched this value, then the call is routed to attendant station. If ADMIN program 114 - FLEX 5 is set to CO ATD, and the station is make an outgoing CO call, then this value is used as the outgoing station's CLI data.	FLEX2 + VALUE + [HOLD/SAVE]	VALUE - Max 2 digits
Reserved	--	FLEX3	--
Reserved	--	FLEX4	--
Reserved	--	FLEX5	--
CLI Print (N/A for SBX IP 320)	This value is used to execute the CLI print about the incoming CO call. If this value is set to ON, the CLI of the incoming CO call will be sent to serial/MODEM/LAN port.	FLEX6 + VALUE + [HOLD/SAVE]	--

PGM 200	DESCRIPTION	PROCEDURE	COMMENTS
International Access Code (Not used in SBX IP 320)	This value is used to modify the received CLI of the international incoming CO call. If this value is set, and if station receives the international incoming CO call, then this value is inserted in front of the CLI.	FLEX7 + VALUE + [HOLD/SAVE]	--
Reserved	--	FLEX8	--
My Area Code	This value is used to set y area code. The combination of this value and ADMIN PGM 200 - FLEX 10 is compared with the received CLI, and the received CO call can be judged the local call or the long distance call. This value is also used the outgoing CLI data, when station makes an outgoing CO call.	FLEX9 + VALUE + [HOLD/SAVE]	VALUE - Max 6 digits
My Area Prefix Code	This value is used to set the my area prefix code. (Normally zero value) The combination of this value and ADMIN program 200 - FLEX 9 is compared with the received CLI, and the received CO call can be judged the local call or the long distance call. This value is also used the outgoing CLI data, when station makes an outgoing CO call.	FLEX10 + VALUE + [HOLD/SAVE]	VALUE - Max 4 digits
Maintain DID Name (N/A for SBX IP 320)	This value is used at the CLI display of incoming DID CO call. If the incoming DID call has CLI, it is displayed on station LCD only ringing time. If this value is set to ON, CLI display is maintained when the call is answered.	FLEX11 + VALUE + [HOLD/SAVE]	--
PC Application Destination Station (N/A for SBX IP 320)	This value is used the valid destination station about PC application connection request.	FLEX12 + VALUE + [HOLD/SAVE]	--

COLP Table (PGM 201)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 201.
3. Follow the specific procedure as listed in the Table.

PGM 201	DESCRIPTION	PROCEDURE	COMMENTS
COLP Table	The COLP table is used for outgoing CLI.	+ COLP Table Bin Number (Range = 00-49) + VALUE2 (Up to 10 digits) + [HOLD/SAVE]	ADMIN PGM 143 - FLEX 1 and 2

Least Cost Routing (PGM 220-223)

LCR Attributes (PGM 220)

PGM 220	ITEM			DEFAULT	REMARK (VALUE)
FLEX1	LCR Access			M00	M00: Disable LCR M01: LCR shoes attribute is "COL" can be accessed only through common CO access code ("9"/"0") M02: Internal LCR and Loop LCR are activated. M11: Loop LCR and Direct CO LCR are activated. M12: All LCR types are activated. When the user dials ("9"/"0") or presses a loop button, the SBX IP 320 does not seize a CO Line until LCR is finished. M13: All LCR type are activated. When the user dials ("9"/"0") or presses a loop button, the SBX IP 320 first seizes a CO Line and waits dial to perform LCR.
FLEX2	Day of Week				Zone : 1-3, Day : 1-7 Monday(1) Tuesday(2) Wednesday(3) Thursday(4) Friday(5) Saturday(6) Sunday(7)
	FLEX1	Monday		1	
	FLEX2	Tuesday		1	
	FLEX3	Wednesday		1	
	FLEX4	Thursday		1	
	FLEX5	Friday		1	
	FLEX6	Saturday		1	
	FLEX7	Sunday		1	

PGM 220	ITEM			DEFAULT	REMARK (VALUE)
FLEX3	Time of DAY Zone 1	FLEX1	Zone 1		Zone: 3, Time: 00-24 The SBX IP 320 accepts it as same value for 00 and 24 changes to '00' if input is 24 as starting value and vice versa Note: The time not belonging to any zone will be considered as zone 1 Note: 10-13 means 10:00:00-12:59:59
	Time of DAY Zone 2	FLEX2	Zone 2		
	Time of DAY Zone 2	FLEX3	Zone 3		
FLEX4	Time of DAY Zone 1	FLEX1	Zone 1		
	Time of DAY Zone 2	FLEX2	Zone 2	Zone 1 (00-24	
	Time of DAY Zone 2	FLEX3	Zone 3		
FLEX5	Time of DAY Zone 1	FLEX1	Zone 1		
	Time of DAY Zone 2	FLEX2	Zone 2		
	Time of DAY Zone 2	FLEX3	Zone 3		

LCR ACCESS

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 220.
3. Follow the specific procedure as listed in the Table.

PGM 220	DESCRIPTION	PROCEDURE	COMMENTS
LCR Access Mode	This value is used to select the LCR access mode.	+ FLEX1 + VALUE (Range = 1-6) + [HOLD/SAVE]	VALUES - 1 = M00 (Disable LCR) 2 = M01 (Only Loop LCR) 3 = M02 (Internal and Loop LCR) 4 = M11 (Loop and Direct CO LCR) 5 = M12 (Internal, Loop and Direct CO LCR) 6 = M13 (Internal, Loop, Direct CO and Direct Loop LCR)
Day Zone	Used to set up the LCR setting; each day can be grouped into up to 3 zones.	+ FLEX2 + VALUE1 + VALUE2 + [HOLD/SAVE]	VALUES - Value1: FLEX1 = Monday FLEX2 = Tuesday FLEX3 = Wednesday FLEX4 = Thursday FLEX5 = Friday FLEX6 = Saturday FLEX7 = Sunday Value2 = Zone 1-3 (1 Digit)

PGM 220	DESCRIPTION	PROCEDURE	COMMENTS
Time Zone 1 of of Day Zone 1	Each time of day zone 1 can use different LCR setting; each time of day zone1 can be grouped up to 3 zones. The time not belonging to any zone will be considered as zone 1. NOTE: SBX IP 320 accepts 24 as 00, if input is 24 as starting value and vice versa. 10 - 13 means 10:00:00(AM) - 01:00:00(PM).	+ FLEX3 + FLEX1 (Time Zone 1) + VALUE2 + [HOLD/SAVE]	VALUES - FLEX1 = Time Zone 1 FLEX2 = Time Zone 2 FLEX3 = Time Zone 3 Value2 = Time: HH-HH (4 Digits)
Time Zone 2 of of Day Zone 1	Each time of day zone 2 can use different LCR setting; each time of day zone1 can be grouped up to 3 zones. The time not belonging to any zone will be considered as zone 1. NOTE: SBX IP 320 accepts 24 as 00, if input is 24 as starting value and vice versa. 10 - 13 means 10:00:00(AM) - 01:00:00(PM).	+ FLEX3 + FLEX2 (Time Zone 2) + VALUE2 + [HOLD/SAVE]	VALUES - FLEX1 = Time Zone 1 FLEX2 = Time Zone 2 FLEX3 = Time Zone 3 Value2 = Time: HH-HH (4 Digits)
Time Zone 3 of of Day Zone 1	Each time of day zone 3 can use different LCR setting; each time of day zone1 can be grouped up to 3 zones. The time not belonging to any zone will be considered as zone 1. NOTE: SBX IP 320 accepts 24 as 00, if input is 24 as starting value and vice versa. 10 - 13 means 10:00:00(AM) - 01:00:00(PM).	+ FLEX3 + FLEX3 (Time Zone 3) + VALUE2 + [HOLD/SAVE]	VALUES - FLEX1 = Time Zone 1 FLEX2 = Time Zone 2 FLEX3 = Time Zone 3 Value2 = Time: HH-HH (4 Digits)
Time Zone 1 of of Day Zone 2		+ FLEX4 (Day zone 2) + FLEX1 (Time Zone 1) + VALUE2 + [HOLD/SAVE]	
Time Zone 2 of of Day Zone 2		+ FLEX4 + FLEX2 (Time Zone 2) + VALUE2 + [HOLD/SAVE]	
Time Zone 3 of of Day Zone 2		+ FLEX4 + FLEX3 (Time Zone 3) + VALUE2 + [HOLD/SAVE]	
Time Zone 1 of of Day Zone 3		+ FLEX5 + FLEX1 (Time Zone 1) + VALUE2 + [HOLD/SAVE]	

PGM 220	DESCRIPTION	PROCEDURE	COMMENTS
Time Zone 2 of of Day Zone 3		+ FLEX5 (Day zone 3) + FLEX2 (Time Zone 2) + VALUE2 + [HOLD/SAVE]	
Time Zone 3 of of Day Zone 3		+ FLEX5 + FLEX3 (Time Zone 3) + VALUE2 + [HOLD/SAVE]	

Leading Digit Table (PGM 221)

The Leading Digit Table (LDT) is used to check if digits dialed by a user are an LCR Code (PGM 221 - FLEX 2), the digits are converted and a CO line is secured according to DMT (PGM 222).

In the SBX IP 320 system, a maximum of 250 LDT entries can be programmed. Each LDT entry has six sub-attributes - LCR type, LCR code, DMT index for day zone 1/2/3, and Check password.

FLEX	ITEM	DEFAULT	REMARK (VALUE)
FLEX1	LCR Type	BOTH	BOTH: Look up this entry for both "INT" and "COL" INT: Look up this entry for internal dialing. COL: Look up this entry after dialing 3-way toggle.
FLEX2	LCR Code (Up to 12 digits)	None	To be compared with the dialed digits by a user.
FLEX3	DMT index for DAY Zone 1	None (6 digits)	Meaning of 6 digits: each pair (2 digits) is the index to the DMT for the each time Zone 1/2/3.(The [SPEED] button is used to validate the remaining index)
FLEX4	DMT index for DAY Zone 2		
FLEX5	DMT index for DAY Zone 3		
FLEX6	Check Password	OFF	--

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 221.
3. Enter the appropriate VALUE (LDT Table, Range = 000-249).
4. Follow the specific procedure as listed in the Table.

PGM 221	DESCRIPTION	PROCEDURE	COMMENTS
LCR Type	Used to select the LCR Type	+ FLEX1 + VALUE (LCR Type, refer to VALUES) + [HOLD/SAVE]	VALUES - 1 = INT (look up this entry only for internal dialing) 2 = COL (look up this entry only after dialing CO Access Code) 3 = BOTH (look up this entry for both INT and COL)
LCR Code	If digits dialed by the user are equal to determined value, the digits will be converted and a CO line will be secured according to DMT (PGM 222).	+ FLEX2 + VALUE (2 digits; 0-9, #, *) + [HOLD/SAVE]	--
DMT index for DAY Zone 1	Used to set the table index DMT (PGM 222) of the day zone 1. Because day zone 1 has 3 different time zone, all three table indices of each time must be selected.	+ FLEX3 + VALUE (DMT Index, 6 digits, Range = 00-99) + [HOLD/SAVE]	
DMT index for DAY Zone 2	Used to set the table index DMT (PGM 222) of the day zone 2. Because day zone 2 has 3 different time zone, all three table indices of each time must be selected.	+ FLEX4 + VALUE (DMT Index, 6 digits, Range = 00-99) + [HOLD/SAVE]	

PGM 221	DESCRIPTION	PROCEDURE	COMMENTS
DMT index for DAY Zone 3	Used to set the table index DMT (PGM 222) of the day zone 3. Because day zone 3 has 3 different time zone, all three table indices of each time must be selected.	+ FLEX5 + VALUE (DMT Index, 6 digits, Range = 00-99) + [HOLD/SAVE]	
Check Password	If this value is set to ON, the SBX IP 320 system will request the User account code when dialed digits match the LCR code.	+ FLEX6 + 1 (ON) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON

Digit Modification Table (PGM 222)

The Digit Modification Table (DMT) is used to convert the dialed digit and seize the outgoing CO line. In the SBX IP 320 system, a maximum of 100 DMT entries can be programmed. Each DMT entry has six sub-attributes - Added digit stream, Removal position, Remove Number, Add position, CO Line Group, and Alternative DMT index.

FLEX	ITEM	DEFAULT	VALUE
Digit Modification Table (DMT)			DMT Index: 00-99
FLEX1	Added Digit Stream (A)	None	Up to 20 digits
FLEX2	Removal Position (RP)	01	01-12
FLEX3	Number of digits to be removed (RN)	None	01-12
FLEX4	Add Position (AP)	01	01-13
FLEX5	CO Line Group	01	01-24
FLEX6	Alternative DMT Index (ALT)	None	00-99

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 222.
3. Enter the appropriate VALUE (DMT Table, Range = 00-99).
4. Follow the specific procedure as listed in the Table.

PGM 222	DESCRIPTION	PROCEDURE	COMMENTS
Added Digit Stream	This value is used to add digit stream for user dialed digits (refer to Add Position - PGM 222, FLEX4).	+ FLEX1 + VALUE (20 digits, 0-9,*,#) + [HOLD/SAVE]	VALUES - [CALLBK]=Pause [DND/FOR]=Dial tone detection instead of pause enter [FLASH]=Station Number Billing code
Removal Position	Used to set the removal position for user dialed digits. Some digits will be removed from the designated position up to this amount.	+ FLEX2 + VALUE (2 digits, Range = 01-12) + [HOLD/SAVE]	--
Number of Removal	Used to set the number of removal digits.	+ FLEX3 + VALUE (2 digits, Range = 01-12) + [HOLD/SAVE]	--
Add Position	Used to set the add position for user dialed digits. Some digits are added from the designated position with Add Digit Stream.	+ FLEX4 + VALUE (2 digits, Range = 01-13) + [HOLD/SAVE]	--
CO Line Group	Used when LCR calls secure the outgoing CO line. The idle CO line within CO Line Group of the determined value is seized for LCR calls.	+ FLEX4 + VALUE (2 digits, Range = 01-24) + [HOLD/SAVE]	--
Alternative DMT Index	Used when LCR calls are unable to seize an idle CO line within ADMIN PGM 222 - FLEX 5, the LCR call will seize an idle CO within CO Line Group of this value DMT index.	+ FLEX5 + VALUE (2 digits, Range = 00-99) + [HOLD/SAVE]	--

LCR Table Initialization (PGM 223)

FLEX	ITEM	DEFAULT	REMARK (VALUE)
LCR Database change / Initialize		None (6 digits)	Each pair (2 digits) is the index to the DMT for each time Zone 1/2/3.
FLEX1	DMT of Day Zone 1		
FLEX2	DMT of Day Zone 2		
FLEX3	DMT of Day Zone 3		
FLEX4	CO Line Group Change	--	Change all CO Line Groups in DMT table with a new one
FLEX5	ALT Index Change	--	Change all ALT in DMT table with a new one.
FLEX6	All LCR Database Initialize	--	--

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 223.
3. Follow the specific procedure as listed in the Table.

PGM 223	DESCRIPTION	PROCEDURE	COMMENTS
DMT of Day Zone 1	Changes the index of DMT value for day zone 1 to the new value.	+ FLEX1 + VALUE (6 digits, Range = 00-99) + [HOLD/SAVE]	--
DMT of Day Zone 2	Changes the index of DMT value for day zone 2 to the new value.	+ FLEX2 + VALUE (6 digits, Range = 00-99) + [HOLD/SAVE]	--
DMT of Day Zone 3	Changes the index of DMT value for day zone 3 to the new value.	+ FLEX3 + VALUE (6 digits, Range = 00-99) + [HOLD/SAVE]	--
CO Line Group	Change all CO Line Group values of DMT entry to the new value.	+ FLEX4 + VALUE (2 digits, Range = 01-24) + [HOLD/SAVE]	--
ALT DMT Index	Changes the all Alternative DMT Index values of DMT entry to the new value.	+ FLEX5 + VALUE (2 digits, Range = 00-99) + [HOLD/SAVE]	--
Initialize All LCR	Initializes all LCR ADMIN data to the default value.	+ FLEX6 + [HOLD/SAVE]	--

Toll Table (PGM 224-226)

Toll tables are used to accessing certain toll free calls as well as not allowing certain calls for Stations assigned to a particular Station COS.

Toll Exception Table (PGM 224)

The Allow/Deny Tables are organized into 2 sets of tables to support 2 different toll plans at one installed site. Each allow/deny table may contain up to 30 number strings. All bins of allow and deny tables have no entries by default. Each number string can contain up to 14 entries including any number 0-9, *, #, "Don't care."

The following rules should be remembered when setting up the Allow/Deny Tables:

- If the tables have no entries, no restriction is applied.
- If entries are made in the allow table and only there, then only those numbers are allowed.
- If entries are made in the deny table and only there, then only those numbers are denied.
- If there are entries in both tables, the allow table is searched at first and if number is found, it is allowed. If not found, the deny table is searched and if number is found, it is denied. If it is not found in either table, it is allowed.

RULE	ENTRY		CONDITIONS & RESULT	
	ALLOW	DENY	ALLOW TABLE	DENY TABLE
1	Not Exist	Not Exist	No Restriction	No Restriction
2	Exist	Not Exist	Found - allowed Not found - denied	--
3	Not Exist	Exist	--	Found - denied Not found - allowed
4	Exist	Exist	Found - allowed Not found - check deny table	Found - denied Not found - allowed

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 224.
3. Follow the specific procedure as listed in the Table.

PGM 224	DESCRIPTION	PROCEDURE
Allow Table A	Used to check whether the dialed digits by COS 2 and COS 4 station is matched with the allowed toll pass digits. NOTE: Allow table A is only used when the COS of dialed station is COS 2 or 4.	+ FLEX1 + VALUE (refer to Allow Table, Range = 01-30) + Allow Number (Max 14 Digits; 0-9, #, *, Don't Care) + [HOLD/SAVE]
Deny Table A	Used to check whether the dialed digits by COS 2 and COS 4 station is matched with the denied toll pass digits. NOTE: Deny table A is only used when the COS of dialed station is COS 2 or 4.	+ FLEX2 + VALUE (refer to Deny Table, Range = 01-30) + Deny Number (Max 14 Digits; 0-9, #, *) + [HOLD/SAVE]
Allow Table B	Used to check whether the dialed digits by COS 3 and COS 4 station is matched with the allowed toll pass. NOTE: Allow table B is only used when the COS of dialed station is COS 3 or 4.	+ FLEX3 + VALUE (refer to Allow Table, Range = 01-30) + Allow Number (Max 14 Digits; 0-9, #, *) + [HOLD/SAVE]
Deny Table B	Used to check whether the dialed digits by COS 3 and COS 4 station is matched with the denied toll pass digits. NOTE: Deny table B is only used when the COS of dialed station is COS 3 or 4.	+ FLEX4 + VALUE (refer to Deny Table, Range = 01-30) + Deny Number (Max 14 Digits; 0-9, #, *) + [HOLD/SAVE]
Allow Table C	Used to check whether the dialed digits by COS 8 station is matched with the allowed toll pass digits. NOTE: Allow table A is only used when the COS of dialed station is COS 8.	+ FLEX5 + VALUE (refer to Allow Table, Range = 01-50) + Allow Number (Max 14 Digits; 0-9, #, *) + [HOLD/SAVE]
Deny Table C	Used to check whether the dialed digits by COS 8 station is matched with the denied toll pass digits. NOTE: Deny table A is only used when the COS of dialed station is COS 8.	+ FLEX6 + VALUE (refer to Deny Table, Range = 01-50) + Deny Number (Max 14 Digits; 0-9, #, *) + [HOLD/SAVE]
Allow Table D	Used to check whether the dialed digits by COS 9 Station is matched with the allowed toll pass. NOTE: Allow table B is only used when the COS of dialed station is COS 9.	+ FLEX7 + VALUE (refer to Allow Table, Range = 01-50) + Allow Number (Max 14 Digits; 0-9, #, *) + [HOLD/SAVE]
Deny Table D	Used to check whether the dialed digits by COS 9 Station is matched with the denied toll pass digits. NOTE: Deny table B is only used when the COS of dialed station is COS 9.	+ FLEX8 + VALUE (refer to Deny Table, Range = 01-50) + Deny Number (Max 14 Digits; 0-9, #, *) + [HOLD/SAVE]

Canned Toll Tables (PGM 225)

In addition to the basic toll restrictions, stations within COS 5 or 6 are subject to dial restrictions based on the Canned Allow and Deny Tables. This program permits entries in the Canned Toll Tables. Both the Allow and Deny table have 20 bins up to 14 digits.

VALID DATA	FUNCTION	LCD DISPLAY
0-9, *, #	Number	as dialed
[DND/FWD]	Don't Care	"D"

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 225.
3. Follow the specific procedure as listed in the Table.

PGM 225	DESCRIPTION	PROCEDURE
Allow Table	Used to check, whether the dialed digits by COS 5 and COS 6 station is matched with the allowed toll pass digits. NOTE: Allow table of canned toll is only used when the COS of dialed station is COS 5 or 6.	+ FLEX1 + VALUE (refer to Allow Table, Range = 01-20) + Allow Number (Max 14 Digits; 0-9, #, *) + [HOLD/SAVE]
Deny Table	Used to check whether the dialed digits by COS 5 and COS 6 station is matched with the denied toll pass digits. NOTE: Deny table of canned toll is only used when the COS of dialed station is COS 5 or 6.	+ FLEX2 + VALUE (refer to Deny Table, Range = 01-20) + Deny Number (Max 14 Digits; 0-9, #, *) + [HOLD/SAVE]

Emergency Service Call (PGM)

The emergency code table is used for Emergency Call Service. All stations, regardless of COS, can dial the emergency codes in this table. In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 226.
3. Follow the specific procedure as listed in the Table.

PGM 226	DESCRIPTION	PROCEDURE
Emergency Service Call	A maximum of 10 emergency codes can be programmed.	+ Bin Number (Range = 1-10) + VALUE (Max 14 digits; 0-9,#,*) + [HOLD/SAVE]

Tables (PGM 204 & 227-236)

Local Code Table (PGM 204)

The local call is defined that the telephone number satisfy the condition of PGM 204.

If telephone numbers matches this table, the SMDR is printed as a local call.

A maximum of 16 SMDR local codes are available. The SMDR long distance code can be up to a 5-digit number. By default, SMDR long distance code is none.

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 204.
3. Enter bin numner (01-16).
4. Enter local code (Max of 5 digits).

Authorization Code Table (PGM 227)

Authorization code table entries consist of each Station password and extra account codes. The table entry from 001 to the maximum capacity of Station numbers are saved along with the password of each Station. CO Line Groups can be marked to deny access until a matched authorization code is entered. In this case, a DND warning tone is provided when the CO Line Group access code is dialed.

There can be no duplicate entries. By default, Authorization Codes are not assigned. In an SBX IP 320 system, the total number of Authorization Codes is 200 entries.

Authorization code length can be programmed as 5 digits or variable length (3-11digits). If 5-digit authorization code usage is programmed, the authorization code works as 5-digit length in admin program or features.

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 227.
3. Enter the appropriate Bin number (Range = 001-200).

4. Follow the specific procedure as listed in the Table.

PGM 227	DESCRIPTION	PROCEDURE	COMMENTS
Authorization Code Table	If the dialed Authorization code is verified, a CO dial tone will be presented. Otherwise, an error tone will be heard and access to the group will be denied. Stations or ADMIN programming can enter authorization codes. The Administrator can see and change Station passwords-no duplicate entries. In SBX IP 320 system, the total number of Authorization Codes is 200 entries.	+FLEX1 + Authorization Code (3-11 digits; Range = 0-9) + [HOLD/SAVE]	VALUES - Default = Not Assigned Authorization code can be programmed as 5 digits or flexible length (3-11 digits); refer to PGM 161 - FLEX21
Day COS of Authorization Code	Day COS of Stations can only be viewed only; COS for extra entries can also be assigned.	+ FLEX2 + Class of Service (Range = 1-9) + [HOLD/SAVE]	--
Night COS of Authorization Code	Night COS of stations can only be viewed; Night COS for extra entries can also be assigned.	+ FLEX3 + Class of Service (Range = 1-9) + [HOLD/SAVE]	--

Custom Call Routing (PGM 228)

The caller can select the destination according to the options outlined in the VMIB announcement. In the SBX IP 320 system, a maximum of 70 VMIB announcements can be used, and 10 different destination types can be selected.

TYPE (DIGIT)	TYPE	VALUE	DEFAULT	REMARK
01	Station	STA #	--	--
02	Hunt Group	Hunt #	--	--
03	VMIB Announce	Announce	--	--
04	VMIB Announce and Drop	Announce #	--	--
05	System Speed	2000-2499	--	--
06	Internal Page	01-10	--	--
07	External Page	1	--	--
08	All Call Page	1-2	--	1: INT All Page 2: All Page
09	Net Number	Net Number	--	--
10	Conference Room	1-9	--	--

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 228.
3. Enter the appropriate CCR Table Number (Range = 01-70).
4. Press FLEX1.
5. Enter the appropriate Bin Number (Range = FLEX1-FLEX10).
6. Enter the appropriate Destination Type (Range = 1-10).
7. Follow the specific procedure as listed in the Table.

PGM 228	DESCRIPTION	PROCEDURE	COMMENTS
Station	If the CCR destination type is the Station, the call will ring at the designated Station.	+ 01 + Station Number + [HOLD/SAVE]	--
Hunt Group	If CCR destination type is the HUNT GROUP, the call will ring at the designated member Station in the group.	+ 02 + Hunt Group number + [HOLD/SAVE]	--
VMIB	If CCR destination type is the VMIB, the designated VMIB announcement will be played to the caller.	+ 03 + VMIB Announcement Number + [HOLD/SAVE]	--
VMIB Drop	If CCR destination type is the VMIB DROP, the designated VMIB announcement will be played to the caller and the call will be disconnected after the VMIB announcement.	+ 04 + VMIB Announcement Number + [HOLD/SAVE]	--
System Speed	If CCR destination type is the SYSTEM SPEED, the call is routed to the system speed telephone number.	+ 05 + System Speed Number + [HOLD/SAVE]	--
Internal Page	If CCR destination type is the INTERNAL PAGE, the call can page to the designated internal page zones.	+ 06 + Internal Page Number (Range: 01-10) + [HOLD/SAVE]	--
External Page	If CCR destination type is the EXTERNAL PAGE, the call can page to the designated external page zones.	+ 07 + External Page Number (Range: 1-1) + [HOLD/SAVE]	--
All Call Page	If CCR destination type is the ALL CALL PAGE, the call can page to all page zones.	+ 08 + VALUE (refer to VALUES, Range = 1-2) + [HOLD/SAVE]	VALUES - 1 = INT ALL PAGE 2 = ALL PAGE
Net Number	If CCR destination type is set to this value, the call will be routed to network.	+ 09 + Net Number + [HOLD/SAVE]	--
Conference Room	If CCR destination type is set to this value, the call will be routed to the Conference room.	+ 10 + Conference Room Number + [HOLD/SAVE]	--

Executive / Secretary Table (PGM 229)

When the executive designated station is in a DND state, intercom and transfer calls will be automatically routed to the designated secretary station. By default, Executive/Secretary pairs are not assigned. The system supports 6 Executive/Secretary pairs.

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 229.
3. Dial the desired bin number (1-6).
4. Follow the specific procedure as listed in the Table.

PGM 229	DESCRIPTION	PROCEDURE	COMMENTS
Executive/Secretary Assignment	This assigns two stations as an Executive/Secretary pair.	Press FLEX1, dial the Executive station number + Secretary station number, then press [HOLD/SAVE].	VALUES= Default = Executive /Secretary pairs are not assigned
CO call to Secretary	This enables/disables CO calls for the Executive to ring at the Secretary station.	Press FLEX2, dial 1 for ON or 0 for OFF, then press [HOLD/SAVE].	--
Call Executive if Secretary is in DND	This enables/disables calls for the Secretary to ring at the Executive station, if the Secretary is in a DND state.	Press FLEX3, dial 1 for ON or 0 for OFF, then press [HOLD/SAVE].	--
Executive Grade	This allows assignment of the Executive's grade.	Press FLEX4, dial a value (01-12), then press [HOLD/SAVE].	--

Flexible DID Table (PGM 231)

A maximum of 1000 Flexible DID Table entries can be programmed. Each Flexible DID Table entry has five attributes. In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 231.
3. Press FLEX1 (Enter the appropriate VALUE, FLEX1 = Input, FLEX2 = Initial, FLEX3 = Delete).
4. Enter the DID Conversation Table number (Range = 000-999).

5. Follow the specific procedure as listed in the Table.

PGM 231	DESCRIPTION	PROCEDURE	COMMENTS
DID Name	Used to save the name of incoming DID calls, and display incoming DID call information at the Station LCD.	+ FLEX1 + DID Conversation Table (Range = 000-999) + FLEX1 + Name (Up to 11 Characters, refer to Keyset Map) + [HOLD/SAVE]	Use the Keyset Map shown on the next page

. – 13 Q – 11 Z – 12 1 – 10	A – 21 B – 22 C – 23 2 – 20	D – 31 E – 32 F – 33 3 – 30
G – 41 H – 42 I – 43 4 – 40	J – 51 K – 52 L – 53 5 – 50	M – 61 N – 62 O – 63 6 – 60
P – 71 Q – 72 R – 73 S – 74 7 – 70	T – 81 U – 82 V – 83 8 – 80	W– 91 X – 92 Y – 93 Z – 94 9 – 90
Blank – ∗1 : – ∗2 , – ∗3	0 – 00	

PGM 231	DESCRIPTION	PROCEDURE	COMMENTS
Day Destination	Used to set the destination, when routing DID calls during the day ring mode.	+ FLEX2 + Destination Type (Range = 01-11, refer to VALUES) + [HOLD/SAVE]	VALUES - Destination Type 1 = STA # 2 = Hunt # 3 = VMIB 00-70 (00, Not Assigned) 4 = VMIB 00-70 Drop (00, Not Assigned) 5 = SPD (2000-2499) 6 = Internal Page (01-10) 7 = External Page 8 = All Page (1-2, INT / ALL) 9 = Net Number (Network Station number) 10 = Conference Room (1-9) 11 = Station Voice Mail Box (STA #)
Night Destination	Used to set the destination, when routing DID calls during the night ring mode.	+ FLEX3 + Destination Type (Range = 01-11, refer to VALUES in Day Destination) + [HOLD/SAVE]	--
Weekend Destination	Used to set the destination, when routing DID calls during the weekend ring mode.	+ FLEX4 + Destination Type (Range=01-11, refer to VALUES in Day Destination) + [HOLD/SAVE]	--
Reroute Destination	Used to set the second destination, when the routed DID call destination is busy.	+ FLEX5 + Destination Type (Range = 1-7, refer to VALUES) + [HOLD/SAVE]	VALUES - 1 = STA # 2 = Hunt # 3 = VMIB 00-70 (00, Not Assigned) 4 = VMIB 00-70 Drop (00, Not Assigned) 5 = SPD (2000-2499) 6 = Net Number (Network Station number) 7 = Station Voice Mail Box (STA #)

System Speed Zone (PGM 232)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 232.
3. Enter the appropriate Speed Zone number (Range = 01-10).
4. Follow the specific procedure as listed in the Table.

PGM 232	DESCRIPTION	PROCEDURE	COMMENTS
Speeed Bin Range in Zone	The system speed zone can be grouped up to 10 System speed zones. About each system speed zone, the accessibility can be set at PGM 232 - FLEX 2. The toll check of each system speed zone can be set at PGM 232 - FLEX 4. And the account code to access each system speed zone can be set at PGM 232 - FLEX 5. The system speed bin section between 2000 and 2199 is defined as the toll free zone; the System speed dial numbers within this zone are not checked by the toll table.	+ FLEX1) + VALUE (2200-2499) + [HOLD/SAVE]	VALUE (Speed bin range for Zone = 2200-2499)
Station Range to Access Zone	The accessibility of the system speed zones can be assigned to each station. NOTE: When there are too many Stations to see, you can scroll data using the volume up/down keys.	+ FLEX2 + Station Range (Range = 100-131) + [HOLD/SAVE]	If a range is not entered and saved, you need to use the BACK softkey to be able to access FLEX 3-4.
Toll Checking	If this value is set to ON, the speed dial of this zone is checked by the toll table.	+ FLEX3 + 0 (VALUE) + [HOLD/SAVE]	VALUE - 0 =OFF 1 = ON
Authorization Check	If this value is set, the Station User must enter the value to use the speed dial of each System Speed Zone.	+ FLEX4 + 0 (VALUE) + [HOLD/SAVE]	VALUE - 1 = ON 0 = OFF

Weekly Time Table (PGM 233)

The Weekly Time Table can manage ring mode changes automatically.

The use of the WEEKLY TIME TABLE is executed by the system attendant and each intercom tenancy group attendant. The first table is for the system attendant, and the others are for the intercom tenancy group attendant.

The table consists of 7 days - Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, & Sunday.

On each day, the time zone of DAY/NIGHT/WEEKEND mode can be programmed.

For example, the office work starts at 9:00 a.m. and finishes at 5:00 p.m.during week days. The weekend starts at 5:00 p.m. from Friday to Sunday. In this case, the WEEKLY TIME TABLE can be set as shown:

SAMPLE WEEKLY TIME TABLE

WEEKLY TBL: MON D:09:00 N:17:00 W:	WEEKLY TBL: TUE D:09:00 N:17:00 W:	WEEKLY TBL: WED D:09:00 N:17:00 W:	WEEKLY TBL: THU D:09:00 N:17:00 W:
WEEKLY TBL: FRI D:09:00 N: W:17:00	WEEKLY TBL: SAT D: N: W:00:00	WEEKLY TBL: SUN D: N: W:00:00	

FLEX	ITEM	REMARK (VALUE)
FLEX1	Monday	
FLEX2	Tuesday	
FLEX3	Wednesday	
FLEX4	Thursday	
FLEX5	Friday	
FLEX6	Saturday	
FLEX7	Sunday	

FLEX	ITEM	REMARK (VALUE)
FLEX1	Day	Day ring mode start time (HH:MM)
FLEX2	Night	Night ring mode start time (HH:MM)
FLEX3	Weekend	Weekend ring mode start time (HH:MM)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 233.
3. Follow the specific procedure as listed in the Table.

PGM 233	DESCRIPTION	PROCEDURE	COMMENTS
Weekly Time Table	Use of the Weekly Time Table is executed by the System Attendant and each intercom tenancy Group Attendant. Time zone of DAY/NIGHT/WEEKEND for 7 days is programmed.	+ VALUE (Weekly Time table, Range = 0-5) + FLEX1(Day Mode, Range = FLEX1 - FLEX7) + FLEX1 (Day, Night, Weekend Mode, Range = FLEX1-FLEX3) + Enter Time (HH/MM) + [HOLD/SAVE]	--

Voice Mail Dialing Table (PGM 234)

The Voice Mail Dialing Table defines the interface for dialing between the SBX IP 320 and the external VM device. In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 234.
3. Follow the specific Procedure as listed in the Table.

PGM 234	DESCRIPTION	PROCEDURE	COMMENTS
Voice Mail Dialing Table	--	+ VALUE1 (Range=1-9 refer to Voice Mail Default Table) + VALUE2 (Range=1-2, refer to VALUES) + Prefix/Suffix Code (Up to 12 digits) + [HOLD/SAVE]	VALUES - VALUE1 1-9 (Voice mail table) VALUE2 1 = PREFIX 2 = SUFFIX

DIGIT	ITEM	DEFAULT	REMARK
1	VM Table 1	Prefix: P# Suffix: -	Put Mail
2	VM Table 2	Prefix: P## Suffix: -	Get Mail
3	VM Table 3	Prefix: P#*3P Suffix: -	Busy Table
4	VM Table 4	Prefix: P#*4P Suffix: -	No Answer Table
5	VM Table 5	Prefix: P#*5P Suffix: -	Error Table
6	VM Table 6	Prefix: P#*6P Suffix: -	DND Table
7	VM Table 7	Prefix: Suffix: -	
8	VM Table 8	Prefix: Suffix: -	
9	VM Table 9	*****	Disconnect Table

Mobile Extension (PGM 236)

A mobile user is able to use the phone as an extension of system, so he can receive the incoming call and make the outgoing call, if a user registers the mobile phone number. In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 236.
3. Enter bin number which matches with station physical number.
4. Follow the specific procedure as listed in the Table.

PGM 236	DESCRIPTION	PROCEDURE	COMMENTS
Activate Mobile Extension	Used to enable mobile extensions	+ FLEX1 + 1 (ON) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Assign CO Group	Used to assign the CO group when a call routes to a mobile extension.	+ FLEX2 + CO Group + [HOLD/SAVE]	--
Assign Telephone Number	Used to enter the telephone number of a mobile extension when this feature is activated.	+ FLEX3 + Mobile Number (Up to 24 digits) + [HOLD/SAVE]	--
Assign CLI Number	Used to enter the CLI number of a mobile extension	+ FLEX4 + CLI number (up to 16 digits) + [HOLD/SAVE]	--
Mobile Extension Hunt Call	If this feature is set to ON and a station is a member of Hunt group, then the Hunt call is served to its Mobile extension also.	+ FLEX5 + 1 (ON) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Voice Message Notification to Mobile (future feature)	If this feature is set to ON and if there is a voice message left for the station, the system sends SMS notification to its Mobile Extension. (Only possible when PSTN SMS is supported.)	+ FLEX6 + 1 (ON) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON

SMS Attributes (PGM 291-292)

SMS Setting (PGM 291)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 291.
3. Follow the specific procedure as listed in the Table.

PGM 291	DESCRIPTION	PROCEDURE	COMMENTS
SMS Center Number	This number is dialed when we submit a Short Message	+ FLEX1 + VALUE + [HOLD/SAVE]	VALUE : number up to 8 digits max
SMS Center CLI	This number should be matched with the caller ID of an incoming SMS call to receive the Short Message	+ FLEX2 + VALUE + [HOLD/SAVE]	VALUE : number up to 8 digits max

SMS CO Attribute (PGM 292)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 292.
3. Enter CO Line range you want to program.
4. Follow the specific procedure as listed in the Table.

PGM 292	DESCRIPTION	PROCEDURE	COMMENTS
SMS Receive Station	Assign stations which will receive an incoming Short Message.	+ FLEX1 + Station Range + VALUE + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Display SMS Receive Station	Display which stations are assigned to receive an incoming Short Message.	+ FLEX2	--
SMS Outgoing CO	If a CO line is set to "SMS Outgoing CO", we use this CO line when submitting a Short Message.	+ FLEX3 + VALUE + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Non-CID SMS	This feature is used when CID function is not available for a CO line. If this field is set, incoming call is unconditionally answered and system decides whether it is SMS call or not.	+ FLEX4 + VALUE + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON

Networking (PGM 320-324)

Networking Basic Attributes (PGM 320)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 320.
3. Follow the specific procedure as listed in the Table.

PGM 320	DESCRIPTION	PROCEDURE	COMMENTS
Networking Enable	This ADMIN program value is used to enable the networking feature. To set this ADMIN value to ON, the networking software lock-key must be installed when a Station user enters the software lock-key check dialing command ([TRANS/PGM] + 78).	+ FLEX1 + VALUE + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Networking Retry Count	This ADMIN value is used to retry the connection when a System error is detected during network connection signaling. This value is only used when the networking feature is executed through the public switching network. This value is not used at the networking feature between direct connected SBX IP 320 systems.	+ FLEX2 + Retry Count number (2digits, Range = 00-99) + [HOLD/SAVE]	--
Networking CNIP Enable	The name of calling station is sent to the called system between SBX IP 320 systems. CNIP is displayed on called party station LCD according to ADMIN programming. If the CNIP and CLI are received together, CNIP is prior to CLI.	+ FLEX3 + VALUE + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Networking CONP Enable	The name of answered station is sent to the calling system between SBX IP 320 systems. CONP is displayed on calling party station LCD according to ADMIN programming.	+ FLEX4 + VALUE + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON

PGM 320	DESCRIPTION	PROCEDURE	COMMENTS
Networking Signal Method	Select the information element type for networking supplementary service message. FACILITY/USER-TO-USER information element can be used for networking supplementary service message.	+ FLEX5 + VALUE + [HOLD/SAVE]	VALUES - 0 = UUS 1 = FAC
Networking CAS Enable	Enable Centralized attendant in master system, CAS should be disabled.	+ FLEX6 + VALUE + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Networking VPN Enable	Reserved	+ FLEX7 + VALUE + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Networking CC Retain Mode	This value is used to set the networking supplementary signaling type of the call completion. If this value is set to ON, the signaling of call completion retain mode is executed.	+ FLEX8 + VALUE + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON

Networking Supplementary Attributes (PGM 321)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 321.
3. Follow the specific procedure as listed in the Table.

PGM 321	DESCRIPTION	PROCEDURE	COMMENTS
Networking Transfer Mode	Used to select the signaling type for networking transfer mode.	+ FLEX1 + VALUE (refer to VALUES) + [HOLD/SAVE]	VALUES - 0 = JOIN 1 = REROUTE
TCP Port	Used to set the TCP port for BLF messaging.	+ FLEX2 + VALUE (4 digits, Range = 0000-9999) + [HOLD/SAVE]	VALUES - Default = 9000
UDP Port	Used to set the UDP port for BLF messaging.	+ FLEX3 + VALUE (4 digits, Range = 0000-9999) + [HOLD/SAVE]	VALUES - Default = 9001
BLF Manager IP Address	Used to set the IP Address for the BLF manager.	+ FLEX4 + BLF Manager IP Address (12 digits) + [HOLD/SAVE]	--
Duration of BLF Status	Used to set the duration of BLF status messaging.	+ FLEX5 + Seconds (2 digits, Range = 01-20) + [HOLD/SAVE]	--
Multicast IP Address	Used to set the multicast IP address for BLF service.	+ FLEX6 + Multicast IP Address (12 digits) + [HOLD/SAVE]	--
Net Transfer Fault Recall Timer	Used to designate the amount of time for the Network Transfer Fault Recall timer.	+ FLEX7 + Seconds (3 digits, Range = 001-300) + [HOLD/SAVE]	--
Gatekeeper Reroute CO Group	Used to set the CO group of gatekeeper	+ FLEX8 + Group No. (2 digit, Range=00-24) + [HOLD/SAVE]	--

Networking CO Line Attributes (PGM 322)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 322.
3. Enter the CO Line Range.
4. Follow the specific procedure as listed in the Table.

PGM 322	DESCRIPTION	PROCEDURE	COMMENTS
Networking CO Line Group	Used to select the CO Line Group for networking calls.	+ FLEX1 + Net CO Line Group (Range = 00-24) + [HOLD/SAVE]	--
VOIB Mode	This ADMIN program determines to use H.323 or SIP at each VOIP CO line.	+ FLEX2 + VALUE + [HOLD/SAVE]	VALUES - 0 = H.323 1 = SIP
Use Gatekeeper	Check the usage of gatekeeper	+ FLEX3 + VALUE + [HOLD/SAVE]	VALUES - 0 = ON 1 = OFF
Networking CO Line Type	Used to select the type of system that is connected through the networking CO line.	+ FLEX4 + VALUE + [HOLD/SAVE]	VALUES - 0 = PSTN 1 = NET
DTMF Mode	This ADMIN program determines DTMF Mode at each VOIP CO line.	+ FLEX5 + VALUE + [HOLD/SAVE]	VALUES - 2 = INBAND DTMF 3 = RFC2833 DTMF 4 = OUTBAND DTMF

Networking Routing Table (PGM 324)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 324.
3. Dial Net Numbering Plan Table index (00-71).
4. Follow the specific procedure as listed in the Table.

PGM 324	DESCRIPTION	PROCEDURE	COMMENTS
System Usage	Used to set the networking connection type of the selected table entries.	+ FLEX1 + VALUE + [HOLD/SAVE]	VALUES - 0 = NET 1 = PSTN
Net Numbering Code	Used to set the networking number code of the selected table entries.	+ FLEX2 + Numbering Plan Code (Max. 16 digits, refer to VALUES) + [HOLD/SAVE]	VALUES - * = digits 0-9 can be entered. # = follows digits to signify an internal station number.
Net Number CO Line Group	Used to select the CO line group for routing networking calls.	+ FLEX3 + Net CO Line Group (Range=00-24) + [HOLD/SAVE]	--
CPN IP Information	IP address for VoIP (CPN info 1-CPN info 4). If the destination system has several IP address and all channel of the 1st address is busy, then system try to connect to 2nd address.	+ FLEX4 + FLEX1 (refer to VALUES) + IP Address (12Digits) + [HOLD/SAVE]	VALUEs - FLEX 1 = 1ST IP addr FLEX 2 = 2ND IP addr FLEX 3 = 3RD IP addr FLEX 4 = 4TH IP addr
Alternate Dial Bin	Alternate number used when the networking path experiences fatal problems.	+ FLEX5 + Speed Bin Number (Range = 2000-2499) + [HOLD/SAVE]	--
Destination MPB IP	Designates the IP Address of the system used to support DECT mobility service.	+ FLEX6 + IP Address (12 digits) + [HOLD/SAVE]	--
Digit Repeat	When value is set to YES, the PSTN is not connected with the PSTN line directly but connected by another networking system.	+ FLEX7 + VALUE2 + [HOLD/SAVE]	VALUES - 0 = NO 1 = YES
CO ATD Code CLI	Used to determine the CLI number sent to PX.	+ FLEX8 + VALUE + [HOLD/SAVE]	VALUES - 0 = NO 1 = YES

VOIB (PGM 340)

VOIP IP Setting (PGM 340)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 340.
3. Follow the specific Procedure as listed in the Table.

PGM 340	DESCRIPTION	PROCEDURE	COMMENTS
IP Address (Skip:#)	This ADMIN program is used to set the IP address of the VOIP board.	+ FLEX1 + IP Address (12 digits) + [HOLD/SAVE]	--
Gateway Address (Skip:#)	This ADMIN program is used to set the gateway address of the VOIP board.	+ FLEX2 + IP Address (12 digits) + [HOLD/SAVE]	--
Subnet Mask(Skip:#)	This ADMIN program is used to set the subnet mask of the VOIP board.	+ FLEX3 + Subnet Mask (12 digits) + [HOLD/SAVE]	VALUES - Default = 255.255.255.0
DNS Address (Skip:#)	This ADMIN program is used to set the DNS address of the VOIP board.	+ FLEX4 + DNS Address (12 digits) + [HOLD/SAVE]	--
Trace Password	This ADMIN program is used to set the password which is needed to contact the VOIP board for trace.	+ FLEX5 + VALUE (10 Characters, refer to the following Keyset Map) + [HOLD/SAVE]	--

. – 13 Q – 11 Z – 12 1 – 10	A – 21 B – 22 C – 23 2 – 20	D – 31 E – 32 F – 33 3 – 30
G – 41 H – 42 I – 43 4 – 40	J – 51 K – 52 L – 53 5 – 50	M – 61 N – 62 O – 63 6 – 60
P – 71 Q – 72 R – 73 S – 74 7 – 70	T – 81 U – 82 V – 83 8 – 80	W– 91 X – 92 Y – 93 Z – 94 9 – 90
Blank – ✳1 : – ✳2 , – ✳3	0 – 00	

PGM 340	DESCRIPTION	PROCEDURE	COMMENTS
Default Codec	Used to set the default codec for the VOIP board.	+ FLEX6 + VALUE + [HOLD/SAVE]	VALUES - Default-0 (G.723.1) 0 = G.723.1 1 = G.729 2 = G.711_ALAW 3 = G.711_ULAW 4 = G.729A
Default Gain	Used to set the default gain of the VOIP board.	+ FLEX7 + VALUE (Range = 1-62) + [HOLD/SAVE]	--
No Delay (TOS)	Used to designate if the VOIP board will have a delay.	+ FLEX8 + VALUE + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Throughput (TOS)	Used to set VOIP board throughput.	+ FLEX9 + VALUE + [HOLD/SAVE]	VALUES - 0 = NORMAL 1 = HIGH
Reliability (TOS)	Used to set VOIP board reliability.	+ FLEX10 + VALUE + [HOLD/SAVE]	VALUES - 0 = NORMAL 1 = HIGH

PGM 340	DESCRIPTION	PROCEDURE	COMMENTS
Firewall IP Address	Used to set the NAT Firewall IP address of VOIP board	+ FLEX11 + VALUE + [HOLD/SAVE]	VALUES - 12 Digits (Firewall IP address)
VOIB Mode	This ADMIN program is used to select whether the mode of VOIP board is H.323, SIP, or DUAL. If it is set to DUAL, selected VOIP board serves both H.323 and SIP automatically.	+ FLEX12 + VALUE + [HOLD/SAVE]	VALUES - 0 = H.323 1 = SIP 2 = DUAL
Silence Detection	Used to select the Silence Detection of VOIP board.	+ FLEX13 + VALUE + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Echo Canceler	Used to select the Echo Canceller of VOIP board.	+ FLEX14 + VALUE + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
DTMF Mode	Used to set the DTMF mode of VOIP board.	+ FLEX15 + VALUE + [HOLD/SAVE]	VALUES - 2 - 4
Jitter Buffer	Used to set the Jitter buffer of VOIP board.	+ FLEX16 + VALUE + [HOLD/SAVE]	VALUES - 050-300
Voice Monitor	Used to set the Voice Monitor of VOIP board	+ FLEX17 + VALUE + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
H.323 (Fast) Mode	This ADMIN program selects H.323 Mode.	+ FLEX18 + VALUE + [HOLD/SAVE]	VALUES - 0 = NORMAL 1 = FAST
Early H.245	This ADMIN program selects Early H.245 Mode.	+ FLEX19 + VALUE + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
H.245 Tunneling	This ADMIN program selects H.245 Tunneling.	+ FLEX20 + VALUE + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
TOS Precedence	This ADMIN program sets TOS Precedence.	+ FLEX21 + VALUE + [HOLD/SAVE]	VALUES - 0-7

Gatekeeper Setting (PGM 341)

The Gatekeeper ADMIN program is consisted of 16 attributes.

1. Press the [TRANS/PGM] button.
2. Dial 341.
3. Follow the specific procedure as listed in the Table.

PGM 341	DESCRIPTION	PROCEDURE	COMMENTS
GK Usage	Used to determine to use GK or not.	+ FLEX1 + VALUE + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
GK Call Mode	Used to set the Call Mode.	+ FLEX2 + VALUE + [HOLD/SAVE]	VALUES - 0 =DIRECT 1 = GK Reroute
GK Open H.245	Determines to open H245 port or not	+ FLEX3 + VALUE + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
GK H.245 Tunneling		+ FLEX4 + VALUE + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
GK Pre-granted ARQ		+ FLEX5 + VALUE + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
GK Out of Band Flash		+ FLEX6 + VALUE + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
GK Time to Live	Used to set the interval of RRQ message	+ FLEX7 + VALUE + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
GK Address	Used to set the GK IP address to register	+ FLEX8 + VALUE + [HOLD/SAVE]	VALUES - 12-Digit IP Address
GK Find Address		+ FLEX9 + VALUE + [HOLD/SAVE]	VALUES - 12-Digit IP Address
GK Find Port		+ FLEX10 + VALUE + [HOLD/SAVE]	VALUES - 4-Digit Port Number

PGM 341	DESCRIPTION	PROCEDURE	COMMENTS
GK RAS Signal Port	Used to set the GK RAS signal port	+ FLEX11 + VALUE + [HOLD/SAVE]	VALUES - 4-Digit Port Number
GK Signal Port	Used to set the GK call signal port	+ FLEX12 + VALUE + [HOLD/SAVE]	VALUES - 4-Digit Port Number
VoIB GK ID	Used to set a unique GK's ID	+ FLEX13 + VALUE + [HOLD/SAVE]	VALUES - Up to 23 characters
VoIB H.323 ID	Used to set a unique VOIB's ID	+ FLEX14 + VALUE + [HOLD/SAVE]	VALUES - Up to 23 characters
VoIB E164 Address	Used to set the station number	+ FLEX15 + VALUE + [HOLD/SAVE]	VALUES - Up to 23 characters
VoIB Terminal Alias	Reserved	+ FLEX16 + VALUE + [HOLD/SAVE]	VALUES - 20 Digits

SIP Attributes 1 (PGM 500)

The SIP Attribute 1 Program is used to set Proxy Server and DNS settings for the VOIB.

This programming can only be done by using PC Admin.

SIP ATTR 1	DESCRIPTION	COMMENTS
Proxy Server Address	SIP proxy server address	Max 32 digits character string (e.g. abcd@efg)
Proxy Server Port	SIP proxy port number	0000-9999
Proxy Registration Timer	SIP proxy server registration timer	0-65535 sec
Use Outbound Proxy	Usage of SIP outbound proxy	OFF / ON
Primary DNS Address	IP address of primary DNS to find SIP proxy	Max 32 digits character string of IP address (e.g. xxx.xxx.xxx.xxx)
Secondary DNS Address	IP address of secondary DNS to find SIP proxy	Max 32 digits character string of IP address (e.g. xxx.xxx.xxx.xxx)
Domain	SIP user domain name. When a user make SIP outgoing call, this domain name is added to dialed digit. (e.g. <dialed digit> @domain.name.com)	Value : Max 32 digits character string (e.g. domain.name.com)
Connection Mode	This Admin is used to transport protocol of SIP	TCP / UDP

SIP ATTR 1	DESCRIPTION	COMMENTS
100Rel Support	If this feature is set to ON, the system supports 100Rel.	OFF / ON
Use R-port Method	If this feature is set to ON, the R-port is supported.	OFF / ON
Use Single Code Only	If this feature is set to ON, only a single codec is supported.	OFF / ON
Remote Part ID	This Admin is used to support "Remote Part ID" for CID.	OFF / ON
181 Message	If this feature is set to ON, 181 message is supported.	OFF / ON
IP Centrex	If this feature is set to ON, IP centrex service is supported.	OFF / ON

SIP Attributes 2 (PGM 501)

The SIP Attribute 2 Program is used to set the SIP user table.

The max table bin number is 32.

This programming can only be done by using PcAdmin.

SIP ATTR 2	DESCRIPTION	COMMENTS
User ID	This Admin is used to set the SIP user ID. Set SIP user ID, which is used "From" Header (ex: caller@caller.domain	Max 64 digits of character string
Authentication User Name	This Admin is used to set the SIP Authentication User Name. Set authentication user name if authentication is used.	Max 64 digits of character string
Authentication User Password	This Admin is used to set an SIP Authentication User Password. Set authentication user password if authentication is used	Max 64 digits of character string
Contact Number	This Admin is used to set a Contact Number. VOIB use "Contact" header using this field and VOIB IP address. Usually set station number or DID number to route this SIP UID.	Max 12 digits of character string

SIP ATTR 2	DESCRIPTION	COMMENTS
User ID Registration	This Admin is used to set User ID Registration. Determine registration of this SIP UID.	Provision / Register
User ID Usage	This feature allows you to choose to use User ID or not.	ON / OFF
Associated Station	This Admin is used to set an Associated Station. To support an SIP supplement service - Click to dial - Click to answer - Voice Mail notify (only for the Broad Works soft switch)	Station Number

RSG/IP Phone (PGM 380-397)

VOIB Slot Assignment, RSG/IP Phone (PGM 380)

The VOIB slot and VOIB channel for the RSG/IP Phone can be assigned. The RSG is serviced through the VOIB, so the VOIB for RSG must be assigned. In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 380.
3. Follow the specific procedure as listed in the Table.

PGM 380	DESCRIPTION	PROCEDURE	COMMENTS
VOIB Slot For RSP/IP Phone	Designates the VOIB slot assignment for RSG/IP phone (must be 09 for the SBX IP 320)	+ FLEX1 + 09 + [HOLD/SAVE]	--
VOIB Channel For RSG/IP Phone	Designates the VOIB Channel number used for the RSP/IP phone.	+ FLEX2 + Channel Range (Range = 0-8) + [HOLD/SAVE]	--

RSG/IP Phone Port Number Assignment (PGM 381)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 381.
3. Follow the specific procedure as listed in the Table.

PGM 381	DESCRIPTION	PROCEDURE	COMMENTS
RSG Number (Not in SBX IP 320)	The RSG number to be serviced by the System	+ FLEX1 + RSG Number (Range = 0-8) + [HOLD/SAVE]	--
IP Phone Number	The IP Phone number to be serviced by the System (up to 16 IP phones can be registered on the System).	+ FLEX2 + IP Phone Number (Range = 00-16) + [HOLD/SAVE]	--

RSG/IP Phone Port Number Assignment (PGM 382)

In this program mode, the following items can be customized:

1. Press the [TRANS/PGM] button.
2. Dial 382.

Follow the specific procedure as listed in the Table.

PGM 382	DESCRIPTION	PROCEDURE	COMMENTS
Transfer Mode		+ FLEX1 + VALUE + [HOLD/SAVE]	VALUES - Default = IP 0 = IP 1 = MAC
Casting Mode		+ FLEX2 + VALUE + [HOLD/SAVE]	VALUES - Default = UNI 0 = UNI 1 = MULTI
Tone Source		+ FLEX3 + VALUE + [HOLD/SAVE]	VALUES - Default = Remote 0 = REMOTE (RSGM/IP Phone) 1 = SBX IP 320

PGM 382	DESCRIPTION	PROCEDURE	COMMENTS
Peer to Peer		+ FLEX4 + VALUE + [HOLD/SAVE]	VALUES - Default = ON 0 = OFF 1 = ON
Codec Type		+ FLEX5 + VALUE + [HOLD/SAVE]	VALUES - Default = 0 0 = G.711_ALAW 1 = G.711_ULAW 2 = G.723.1 3 = G.729 4 = G.729A
First Access RSG CO	If set to ON, the Station can access a CO line using the RSG and dialing the CO Line access code in the 1st available CO group (ex., 9).	+ FLEX6 + VALUE + [HOLD/SAVE]	VALUES - Default = ON 0 = OFF 1 = ON
RING without CO Ring Assign	Designates the RSG Stations that will receive incoming CO rings, even when CO ring is not assigned.	+ FLEX7 + VALUE + [HOLD/SAVE]	VALUES - Default = ON 0 = OFF 1 = ON

IP Phone Attributes (PGM 386)

In this program mode, the following items can be customized:

It is recommended that you use PC Admin to enter the MAC Address,

1. Press the [TRANS/PGM] button.
2. Dial 386.
3. Enter the appropriate Bin number (Range = 01-16).
4. Follow the specific Procedure as listed in the Table.

PGM 386	DESCRIPTION	PROCEDURE	COMMENTS
Set MAC Address	Used to register an IP Phone to the System, by entering its MAC Address (Refer to Button Table)	+ Bin number (Range = 01-16) + FLEX1 + MAC Address (Default = 00-00-00-00-00-00) + [HOLD/SAVE]	--
IP Address Display	Displays the IP Address of the IP phone	+ FLEX2	--
Port View	Displays the Station Number of IP phone	+ FLEX3	--
Port Number View	Displays the Port Number of IP phone	+ FLEX4	--
NAT IP Address Display	Displays the NAT IP Address of IP phone	+ FLEX5	--
NAT Port Number	Displays the NAT Port Numbers being used	+ FLEX6	--
STUN Enabled	If an IP Phone is connected to SBX IP 320 system, this feature shows if the IP station uses NAT or PAT (Display Only); None, PAT, NAT or NAT/PAT	+ FLEX7	--
CTI Port	CTI IP Address to supports first party CTI.	+ FLEX8 + VALUE + [HOLD/SAVE]	VALUES - 0 = Not Used 1 = DKT 2 = SLT
IPSEC	When value is set to ON, the VOIB uses IPSEC.	+ FLEX9 + VALUE (Default=OFF) + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON
Outside NAT Firewall		+ FLEX10 + VALUE + [HOLD/SAVE]	VALUES - 0 = OFF 1 = ON

PGM 386	DESCRIPTION	PROCEDURE	COMMENTS
User ID	Nomad IP & Nomad SP can be registered to the system by entering this User ID / Password. So the user can register easily by using same ID / Password even if their MAC address is changed.	+ FLEX11 + VALUE + [HOLD/SAVE]	VALUES - Max of 12 Characters
User Password	Nomad IP & Nomad SP can be registered to the system by entering this User ID / Password. So the user can register easily by using same ID / Password even if their MAC address is changed.	+ FLEX12 + VALUE + [HOLD/SAVE]	VALUES - Max of 12 Characters

RSG IP Phone RX Gain Control (PGM 396)

FLEX	ITEM	RANGE
1	RSG_IP PHONE RX from DKTU	00-63
2	RSG_IP PHONE RX from SLT	00-63
3	Reserved	
4	Reserved	
5	RSG_IP PHONE RX from ACO	00-63
6	Reserved	
7	RSG_IP PHONE RX from DCO	00-63
8	RSG_IP PHONE RX from VMIB	00-63
9	RSG_IP PHONE RX from DTMF	00-63
10	RSG_IP PHONE RX from TONE	00-63
11	RSG_IP PHONE RX from MUSIC 1	00-63
12	RSG_IP PHONE RX from MUSIC 2	00-63
13	Reserved	
14	Reserved	
15	Reserved	
16	RSG_IP PHONE RX from IP Phone	00-63

RSG IP Phone TX Gain Control (PGM 397)

FLEX	ITEM	RANGE
1	RSG_IP PHONE RX from DKTU	00-63
2	RSG_IP PHONE RX from SLT	00-63
3	Reserved	
4	Reserved	
5	RSG_IP PHONE RX from ACO	00-63
6	Reserved	
7	RSG_IP PHONE RX from DCO	00-63
8	RSG_IP PHONE RX from DVU	00-63

Other Tables

Nation Specific (PGM 400-423)					
PGM	**FLEX**	**ITEM**	**RANGE**	**DEFAULT**	**REMARK**
400		DTIB RX Gain			Korean version
	1	DTIB/DKT	00-63	30	
	2	DTIB/SLT	00-63	30	
	3				
	4				
	5	DTIB/ACO	00-63	26	
	6				
	7	DTIB/DCO	00-63	33	
	8	DTIB/VMIB	00-63	29	
	9	DTIB/DTMF	00-63	08	
	10	DTIB/TONE	00-63	32	
	11	DTIB/MUSIC 1	00-63	29	
	12	DTIB/MUSIC 2	00-63	29	
401		SLIB RX Gain			
	1	SLIB/DKT	00-63	42	
	2	SLIB/SLT	00-63	48	
	3				
	4				

Nation Specific (PGM 400-423)					
PGM	**FLEX**	**ITEM**	**RANGE**	**DEFAULT**	**REMARK**
401	5	SLIB/ACO	00-63	40	
	6				
	7	SLIB/DCO	00-63	36	
	8	SLIB/VMIB	00-63	42	
	9	SLIB/DTMF	00-63	38	
	10	SLIB/TONE	00-63	30	
	11	SLIB/MUSIC 1	00-63	42	
	12	SLIB/MUSIC 2	00-63	42	
404		ACOB RX Gain			
	1	ACOB/DKT	00-63	43	
	2	ACOB/SLT	00-63	40	
	3				
	4				
	5	ACOB/ACO	00-63	40	
	6				
	7	ACOB/DCO	00-63	42	
	8	ACOB/VMIB	00-63	41	
	9	ACOB/DTMF	00-63	35	
	10	ACOB/TONE	00-63	47	
	11	ACOB/MUSIC 1	00-63	41	
	12	ACOB/MUSIC 2	00-63	41	
	13				
	14	ACOB/MODEM			
406		DCOB RX Gain	00-63	26	
	1	DCOB/DKT	00-63	37	
	2	DCOB/SLT			
	3				
	4				
	5	DCOB/ACO	00-63	24	
	6				
	7	DCOB/DCO	00-63	32	

Nation Specific (PGM 400-423)					
PGM	**FLEX**	**ITEM**	**RANGE**	**DEFAULT**	**REMARK**
406	8	DCOB/VMIB	00-63	32	
	9	DCOB/DTMF	00-63	32	
	10	DCOB/TONE	00-63	32	
	11	DCOB/MUSIC 1	00-63	32	
	12	DCOB/MUSIC 2	00-63	32	
	13				
	14	DCOB/MODEM			
407		VMIB RX Gain			
	1	VMIB/DKT	00-63	36	
	2	VMIB/SLT	00-63	36	
	3				
	4				
	5	VMIB/ACO	00-63	36	
	6				
	7	VMIB/DCO	00-63	36	
	8	VMIB/MUSIC 1	00-63	32	
	9	VMIB/MUSIC 2	00-63	32	
408		DTMF RC Gain			
	1	DTMF/SLT	00-63	23	
	2				
	3	DTMF/ACO	00-63	15	
	4				
	5	DTMF/DCO	00-63	24	
409		EXT PAGE Gain			
	1	EXT PAGE/DKT	00-63	26	
	2	EXT PAGE/SLT	00-63	32	
	3				
	4				
	5	EXT PAGE/ACO	00-63	28	
	6				
	7	EXT PAGE/DCO	00-63	37	

Nation Specific (PGM 400-423)					
PGM	**FLEX**	**ITEM**	**RANGE**	**DEFAULT**	**REMARK**
409	8	EXT PAGE/VMIB	00-63	37	
	9	EXT PAGE/MUSIC 1	00-63	37	
	10	EXT PAGE/MUSIC 2	00-63	37	
410		CPT Gain			
	1	CPT/ACO	00-63	15	
	2				
	3	CPT/DCO	00-63	24	
411		MODEM Gain			
	1	MODEM/ACO	00-63	20	
	2				
	3	MODEM/DCO	00-63	24	
412		Short SLIB Gain			
	1	Short ACO	00-63	28	SAF only
	2	Long ACO	00-63	32	
413		Long SLIB Gain			
	1	Short ACO	00-63	37	SAF only
	2	Long ACO	00-63	37	
414		Far SLIB Gain			
	1	Short ACO	00-63	45	SAF only
	2	Long ACO	00-63	45	
415		Short ACO Gain			
	1	Short SLIB	00-63	34	
	2	Long SLIB	00-63	46	SAF only
	3	Far SLIB	00-63	52	
	4	DTIB	00-63	26	
416		Long ACO Gain			
	1	Short SLIB	00-63	34	
	2	Long SLIB	00-63	42	SAF only
	3	Far SLIB	00-63	48	
	4	DTIB	00-63	32	

Nation Specific (PGM 400-423)					
PGM	**FLEX**	**ITEM**	**RANGE**	**DEFAULT**	**REMARK**
417		MBU DSP RX Gain			
	1	<- ACO SMS	00-63	24	
	2	Reserved			
	3	<- SLT SMS	00-63	17	
	4	<- ACO DTMF CID	00-63	38	
	5	<- ACO FSK CID	00-63	38	
418		MBU FSK TX Gain			
	1	-> ACO SMS	00-63	32	
	2	Reserved			
	3	-> SLT SMS	00-63	32	
	4	-> ACO FSK CID	00-63	32	
420		System Tone Frequency			
	1	Dial Tone	4 digits	0400, 0425	
	2	Ring Back Tone	4 digits	0400, 0425	
	3	Busy Tone	4 digits	0400, 0000	
	4	Error Tone	4 digits	0400, 0000	
	5	Dummy Dial Tone	4 digits	0350, 0440	
421		Differential Ring Frequency			
	1	Ring 1	4 digits	1000, 1020	
	2	Ring 2	4 digits	0890, 0910	
	3	Ring 3	4 digits	1260, 1280	
	4	Ring 4	4 digits	0800, 0820	
422		Distinct Ring Frequency			
	1	Ring 1	4 digits	0480, 0000	20 msec base
	2	Ring 2	4 digits	0400, 0000	20 msec base
	3	Ring 3	4 digits	0620, 0000	20 msec base
	4	Ring 4	4 digits	0770, 0000	20 msec base
423		ACNR			
	1	Ring Back Tone	0-255	050, 100	
	2	Busy Tone	0-255	025, 025	
	3	Error Tone	0-255	012, 012	

Nation Specific (PGM 400-423)					
PGM	**FLEX**	**ITEM**	**RANGE**	**DEFAULT**	**REMARK**
423	4	S-Dial Tone	0-255	070, 000	
424		DTIB ACO RX Gain			
	1	Short ACO	00-63	37	SAF only
	2	Long ACO	00-63	42	

Initialization (PGM 450)

PGM	FLEX	ITEM	REMARK
450		Initialization	
	1	Flexible Numbering Plan Initialization	PGM105, PGM106, PGM107
	2	Station Database Initialization	PGM110, PGM111, PGM112, PGM113, PGM114, PGM 116, PGM117, PGM118, PGM119, PGM121, PGM122, PGM123, PGM124, PGM179
	3	CO Line Database Initialization	PGM140, PGM141, PGM142, PGM143, PGM144
	4	System Feature Database Initialization	PGM108, PGM160 - PGM 177
	5	Station Group Database Initialization	PGM190, PGM191
	6	ISDN Tables Database Initialization	PGM201, PGM202, PGM230, PGM231
	7	Reserved	None (Reserved)
	8	System Timer Database Initialization	PGM180 - PGM182
	9	Toll Table Database Initialization	PGM224, PGM225
	10	LCR Database Initialization	PGM220 - PGM222
	11	Tables Initialization	PGM227 - PGM229, PGM232 - PGM235
	12	Flexible Button Program Initialization	PGM115
	13	Networking Database Initialization	PGM320, PGM321, PGM322 , PGM323, PGM324
	14	All Database Initialization	All of the Above
	15	System Reset By Software	
	16	DID Reroute Table	Reroute DEST of PGM 231
	17	Board Data	PGM155, PGM340, PGM341

Print Prot Database (PGM 451)

PGM	FLEX	ITEM	RANGE	DEFAULT	REMARK
451		Print Prot Data			
	1	Flexible Numbering Plan Print			
	2	Station Database Print	STN_R		
	3	CO Line Database Print	CO_R		
	4	System Feature Database Print			
	5	Station Group Database Print			
	6	ISDN Tables Database Print			
	7	System Timer Database Print			
	8	Toll Table Database Print			
	9	LCR Database Print			
	10	Other Tables Print			
	11	Nation Specific Database Print			
	12	Flexible Button Program Print	STN_R		
	13	Networking Database Print			
	14	All Database Print			
	15	LCD Message Print			
		1 Language	00-15	Nation Specific	00:ENG 01:ITA 02:FIN 03:DUT 04:SWE 05:DAN 06:NOR 07:HUN 08:GER 09:FRE 10:POR 11:SPA 12:KOR 13:EST 14:RUS 15: TUR
		2 Station Type	0-2	0	
	16	Quit Print			

Speed Editor

Introduction

The Speed Editor is a MS-Windows application program that can download, edit, and upload speed data of the SBX IP 320 system. This program can send and receive the speed information such as speed bin number, speed bin name, phone number, CO line type (Net Number), and CO number (Network index number).

Hardware/Software Requirements

The system requirements for using this program are as follows.

SBX IP 320 system

- SBX IP 320 system MPB Software Ver 3.7Aa or later.
- A LAN Port must be installed on the MPB for the LAN connection.
- A unique IP Address must be assigned for the LAN connection.

PC

- Pentium Celeron 233MHz CPU or Higher CPU
- 256 color Super VGA (800 * 600) or higher
- NIC (Network Interface Card) for the LAN connection.
- 2-button Mouse
- 32MB RAM minimum
- MS-Windows 98/ME/2000/XP/Vista
- Enough hard drive space for installation

Cable

If a NIC is used for LAN connection, UTP cable will be needed with an RJ-45 Jack between the PC and the SBX IP 320 system.

Hardware Configuration

To use a LAN connection between a PC and the SBX IP 320 system, the PC and the SBX IP 320 system should be connected to the local network.

Installing Software

Once the hardware is installed, you are ready to install the software.

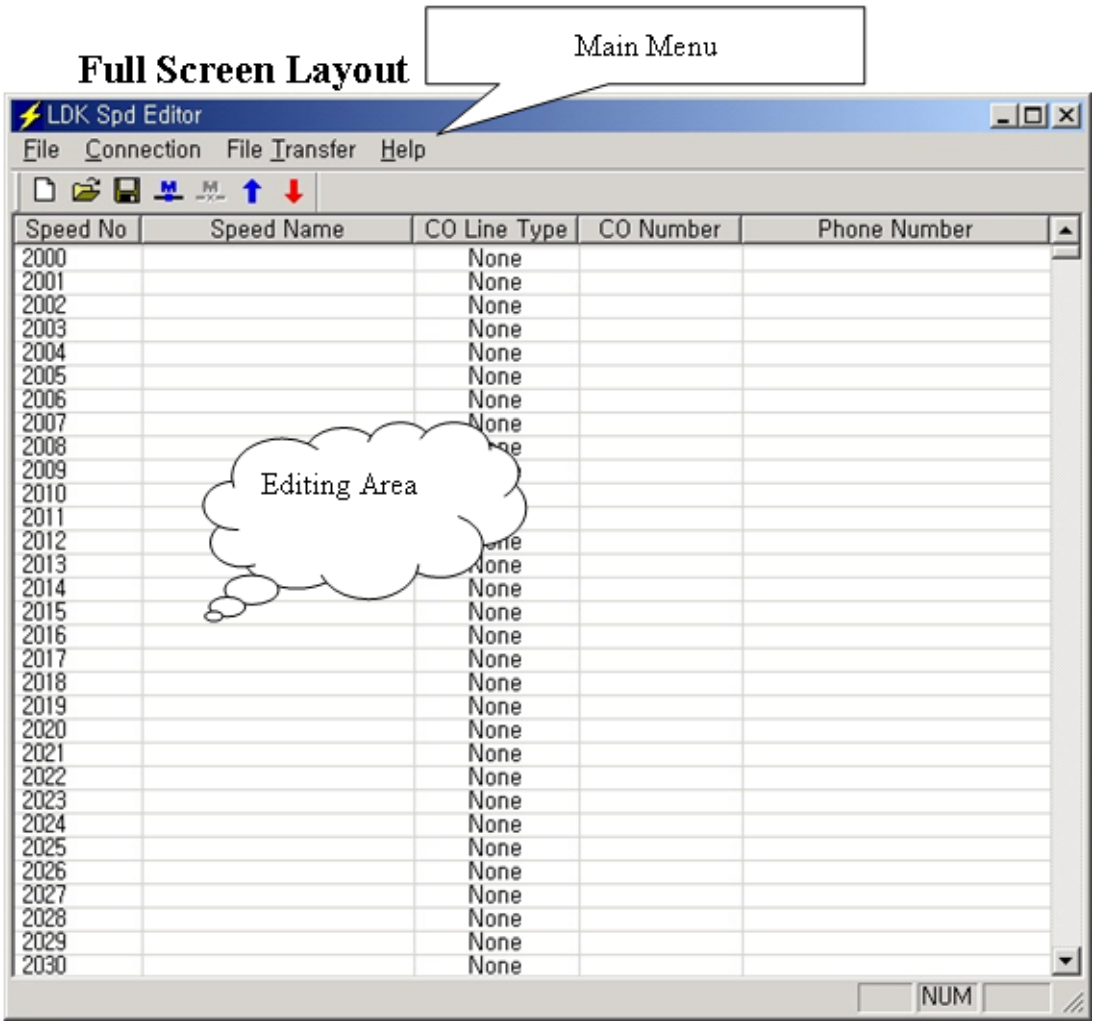
Microsoft windows must be installed on your computer before you install the Speed Editor program. For information on installing Windows, refer to the appropriate user's manual.

Uninstalling Software

To uninstall the Speed Editor program:

Click Uninstall - Speed Editor or you can also select Speed Editor in Add/Remove Programs in the Control Panel.

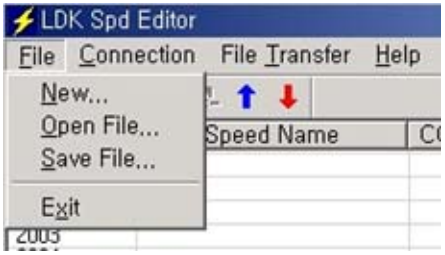
Full Screen Layout



[File] Menu

The [File] menu includes [New], [Open File], [Save File].

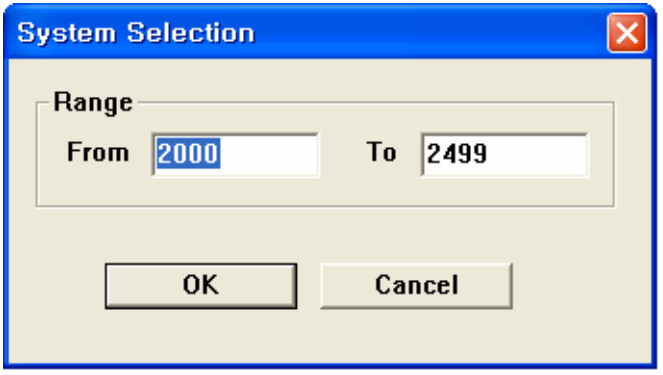
Recommendation: When speed editor accesses network drives, opening and saving files can fail due to the network condition. Therefore, it is recommended that you copy files onto local drives.



[New] Sub-menu

Procedure:

1. Select [New] sub-menu in [File] menu. => the [System Selection] dialog shows up.
2. Select the system and version.
3. Enter the range you want to edit.
4. Click the [OK] button.



[Open File] Sub-menu

Procedures:

1. Select [Open File] sub-menu in [File] menu. => [Open] Dialog shows up.
2. Select the file type, text, doc or excel
3. Click the [OK] button.

[Save File] Sub-menu

Procedure:

1. Select [Save File] sub-menu in [File] menu. => [Save] Dialog shows up.
2. Select the file type, text, doc, or Excel
3. Click the [OK] button.

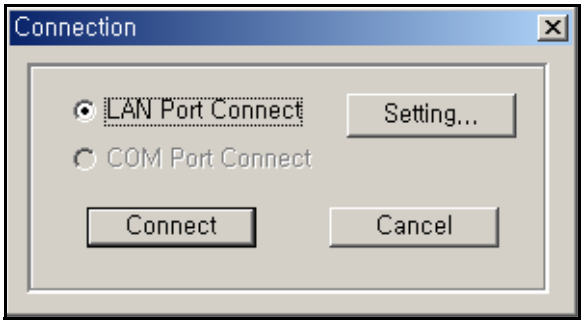
[Connection] Menu

This program can be connected to the SBX IP 320 system through the LAN.

[Connect] Sub-menu

Procedure:

1. Select [Connect] sub-menu in [Connection] menu. => [Login] Dialog shows up.
2. If your PC is connected to the SBX IP 320 system by LAN, select [LAN Port Connect].



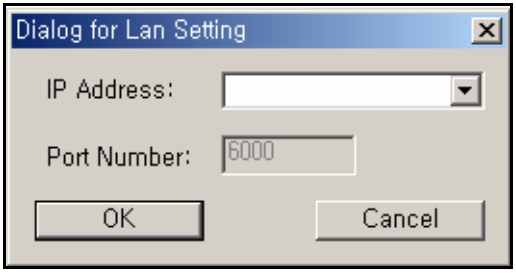
For the LAN connection between the PC and the SBX IP 320 system, there must be a physical connection with 10BaseT Cable to local network and the SBX IP 320 system and PC must have valid IP addresses.

Conditions:

- The SBX IP 320 system and PC must have valid IP addresses.
- If you want to connect directly, you have to use cross UTP cable. That means that the [Transmit] and [Receive] are cross. But you connect the the SBX IP 320 system and PC with HUB, you can use normal UTP cable that is used in your local network.
- If you want to connect from a different segment of the LAN or from an external site (via Internet), the SBX IP 320 system must have correct gateway address (default router). If it doesn't have gateway address, remote connection using TCP/IP will be not available.
- If you want to connect the the SBX IP 320 system that is used in remote site, you may need help from the network administrator. Because many site uses the firewall/NAT/PAT in their router, to connect the system through the Internet, help will be needed.
- In a remote connection using Internet, connection speed/stability is dependent on the environment of the WAN traffic or routing.

Procedure:

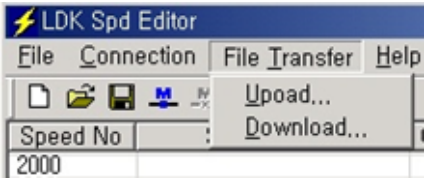
1. Type the IP Address of the SBX IP 320 system, and press [OK].
2. You can choose the site address using the combo box. The combo box has the IP address list that you have visited.
3. If you want to connect to a site that has never been visited, you must type the IP address into the combo box. In this case, you can't edit the port number.



[File Transfer] Menu

When Speed Editor is logged onto the SBX IP 320 System, don't use a keyset for editing speed bin data.

Recommendation: When speed editor accesses network drives, opening and saving files can fail due to the network condition. Therefore, it is recommended that you copy files onto local drives.

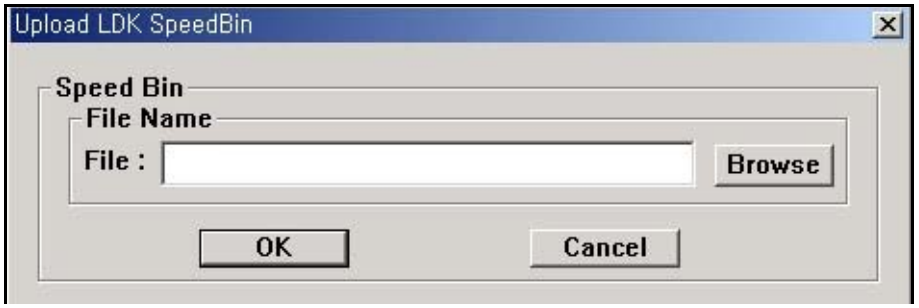


Upload

Procedure:

1. Check to see if the file that you want to upload is being used by another process. If the file is open, you can't upload it.
2. Select [Upload] sub-menu in [File Transfer] menu.
3. Select [Browse], and select a file to upload.

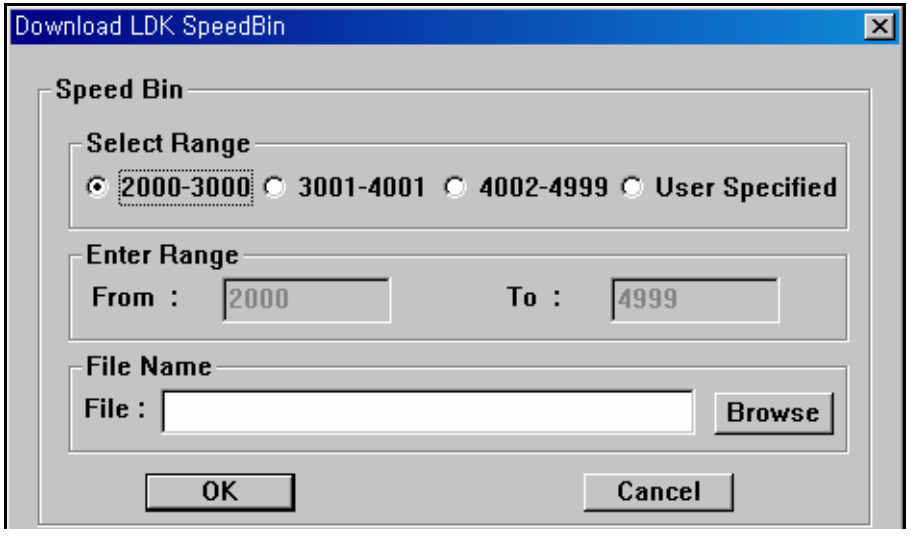
4. Click the [OK] button.



Download

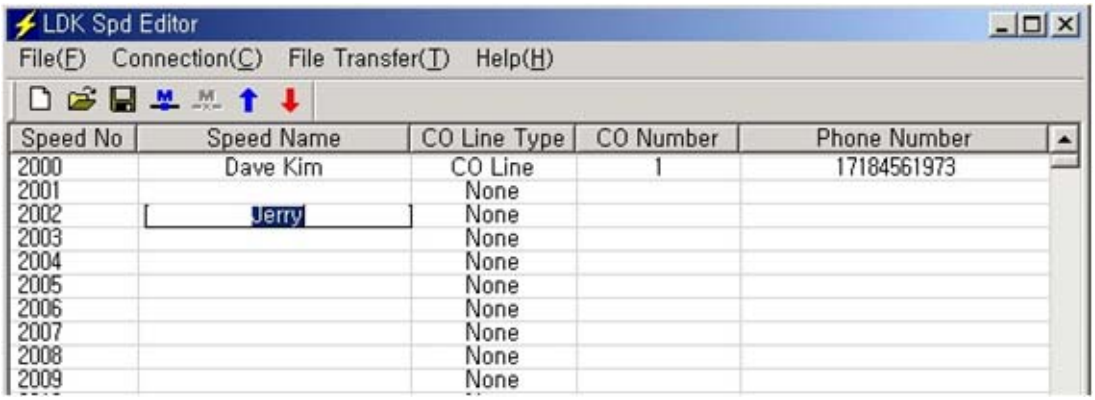
Procedure:

1. Check to see if the file that you want to download is being used by another process.If the file is open, you cannot download it.
2. Select [Download] sub-menu in [File Transfer] menu.
3. Select a Range. If you select User Specified, enter the range manually in the boxes below. the User Specified radio button
4. Select [Browse], and name a file you want the speed data to be saved.
5. Click [OK] button to start download.



Editing Data

Editing in Speed Editor view



Procedure:

1. Click on an empty cell.
2. Type the data and press [tab] to move on to next column or click on the next column.
3. Select the [Save File] sub-menu in the [File] menu. => the [Save] Dialog shows up.
4. Select the file type, text, doc, or Excel
5. Click the [OK] button.

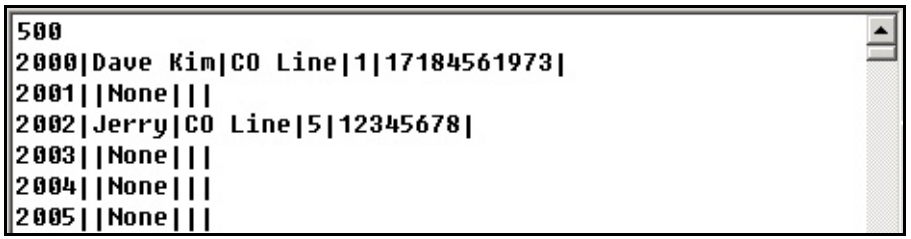
** Enter the correct CO Line/CO Group Number/Network index number, otherwise the Speed Editor will ignore the CO Numbers during uploading and the CO Line Type and CO Number will not be updated.

SYSTEM	CO LINE	CO GROUP	NET NUMBER
SBX IP 320	1-12	1-24	Index number in Networking PGM 324 (00-72)

You must enter the index number in networking PGM 324 (00-72). Otherwise the SBX IP 320 system may not work properly.

Editing Text or Doc File

Open the file you want to edit using Notepad or MicroSoft Word. The file format looks similar to the following.



The number 500 on the first line represents the total number of speed data in this file.

Each item is separated by a separator, | .

- Speed No|Speed Name|CO Line Type|CO Number|Phone Number

When you write CO Line Type, write CO Line, CO Group and None, keeping an empty space between CO and Line, between CO and Group.

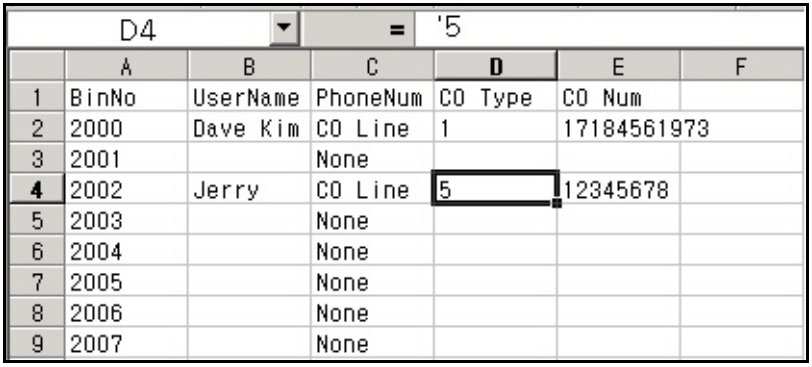
** Don't exceed 16 characters when entering Speed Name.

** Don't exceed 24 characters when entering Phone Number.

** Recommended is editing in Speed Editor view.

Editing Excel File

1. Open the file you want to edit using Excel. The file format looks similar to the following.



D4 = '5

	A	B	C	D	E	F
1	BinNo	UserName	PhoneNum	CO Type	CO Num	
2	2000	Dave Kim	CO Line	1	17184561973	
3	2001		None			
4	2002	Jerry	CO Line	5	12345678	
5	2003		None			
6	2004		None			
7	2005		None			
8	2006		None			
9	2007		None			

2. Click a cell to edit.
3. Type in data. Type ' before every data entry, for example '5, not just 5. When you write CO Line Type, write CO Line, CO Group and None, keeping an empty space between CO and Line, between CO and Group.

   When you edit with Microsoft Excel, you must add " ' " to make data as text type. Otherwise, Speed Editor cannot convert your data from Excel file to edit window.

   ** Don't exceed 16 characters when entering Speed Name.

   ** Don't exceed 24 characters when entering Phone Number.

   ** Recommend editing in speed editor view.

Quick Reference Admin Programming Tables

Numbering Plan

Flexible Numbering Plan

The following numbering plan can be changed by ADMIN Programming 104-107 depending on the user's needs.

FLEXIBLE NUMBERING PLAN		
Number	Item	Commemts
100-131	Intercom Call	-
620-629	Group Pilot Number	-
501-510	Internal Page Zone	-
543	Internal All Call Page	-
544	Meet Me Page	-
545	External Page Zone	-
549	All Call Page (Int & Ext)	-
550	SMDR Account Code Enter	SLT
551	Flash Command to CO Line	SLT
552	Last Number Redial	SLT
553	DND (Toggle On/Off)	SLT
554	Call Forward	SLT
555	Speed Dial Programming	SLT
556	Message Wait/Callback Enable	SLT
557	Message Wait/Callback Return	SLT
558	Speed Dial Access	SLT

FLEXIBLE NUMBERING PLAN		
Number	Item	Commemts
559	Cancel DND/FWD/Pre-MSG	SLT
560	SLT Hold	SLT
563	Programming Mode Enter Code	SLT
564	ACD Reroute	-
565	Alarm Reset	-
566	Group Call Pickup	-
568	UCD DND	-
569	Night Answer	-
601-610	Call Parking Locations	-
7	Direct Call Pickup	-
801-824	CO Line Group Access	-
8801-8812	Individual CO Access	-
8*	Retrieve Held CO Line	-
8#xx	Retrieve Held Individual CO Line	-
9 (or 0, based on nation code)	Access CO Line in the 1st available CO Line Group	-
0 (or 9, based on nation code)	Attendant Call	-
#*1	1st Door Open	-
#*2	2nd Door Open	-
#*3	3rd Door Open	-
#*4	4th Door Open	-
*8	VM Message Waiting Enable	-
*9	VM Message Waiting Disable	-

Station Programming

The following numbering plan is fixed, so it cannot be changed by ADMIN Programming.

STATION PROGRAMMING		
Number	Item	Comments
11	Differential Ring	Keyset
12	Intercom Answer Mode (1 HF / 2 TONE / 3 PV)	Keyset
13	SMS Message Display	LDP Keyset
14	Enblock Mode	LDP Keyset
15	SMS/ Notice Display	LDP Keyset
16	Scroll Speed	LDP Keyset (Not supported in SBX IP 320)
17	Ear-Mic Headset	LDP Keyset
18	ICM Ring	LDP Keyset
19	CO Ring	LDP Keyset
21	Station COS Down	-
22	Station COS Restore	-
23	Walking COS	Keyset
31	Authorization Code Registration	-
32	Authorization Code Change	-
33	Registration Mobile - Extension	-
34	Active Mobile - Extension	-
35	Register Mobile-Extension CLI	-
36	Voice Msg Wait Notice To Mobile-Extension	-
41	Wake-up Time Registration (One-time/ Continuous)	-
42	Wake-up Time Cancel	-
43	Active Conference Room	-
44	Deactive Conference Room	-
451	Call Coverage Mode	-
452	Call Coverage Delay Ring Cycle	-
51	Pre-selected MSG Activation	-

STATION PROGRAMMING		
Number	Item	Comments
52	Set Custom Message	-
61	Record VMIB User Greeting	-
62	Listen VMIB Time & Date	-
63	Listen VMIB Station Number	-
64	Listen VMIB Station Status	-
65	Record VMIB Page Message	-
66	Erase VMIB User Greeting	-
67	Erase VMIB Page Message	-
71	LCD Display Mode (English/Domestic Language)	Keyset
72	MPB Version Display	Keyset
73	Background Music	Keyset
74	Station User Name Registration	-
75	Headset/Speakerphone Mode	Keyset
76	Headset Ring Mode	Keyset
77	WTU Station Number Receive	Keyset (not supported in SBX IP 320)
78	Serial No/SW Packages	Keyset with LCD
79	PC – Phone Lock Key	-
**	HOTDESK Logout	-
*0	HOTDESK Login	-
*1	Relocation Out	-
*2	Relocation IN	-
*3	Register Bluetooth	Not supported in SBX IP 320
*4	Bluetooth Usage	Not supported in SBX IP 320

Attendant Programming

ATTENDANT PROGRAMMING		
Number	Item	Comments
0111	Print SMDR (Station Base)	System Attendant
0112	Delete SMDR (Station Base)	System Attendant
0113	Print SMDR (Group Base)	System Attendant
0114	Delete SMDR (Group Base)	System Attendant
0115	Display Call Charge	System Attendant
0116	Abort Printing	System Attendant
0117	Print Lost Call	System Attendant
0118	Delete Lost Call	System Attendant
0121	Print All Summary	System Attendant
0122	Print All Periodically	System Attendant
0123	Abort Periodic Printing	System Attendant
0124	Print ATD Traffic	System Attendant
0125	Print Call Summary	System Attendant
0126	Print All Hourly	System Attendant
0127	Print H/W Usage	System Attendant
0128	Print CO Summary	System Attendant
0129	Print CO Hourly	System Attendant
021	Station COS Down (COS 7)	Attendant
022	Station COS Restore	Attendant
031	Authorization Code Cancel	System Attendant
041	System Date/Time Setting	Attendant
042	Wake-up Time Registration (One-time /Continuous)	Attendant
043	Wake-up Time Cancel	System Attendant
044	LCD Date Mode Change	System Attendant
045	LCD Time Mode Change	System Attendant
046	Use Network Time & Date	System Attendant

ATTENDANT PROGRAMMING		
Number	Item	Comments
047	Monitor Conference Room	Attendant
048	Forced Delete Conference Room	Attendant
051	Pre-select MSG Activation	Attendant
052	Pre-select MSG Deactivation	Attendant
053	Custom Display Message Program (11-20)	System Attendant
054	Erase VM MSG	Attendant
06	Record VMIB System Greeting	System Attendant
071	DND/Call Forward/Pre-selected MSG Cancel	Attendant
072	Register Station Name	Attendant
073	Disable CO Outgoing	System Attendant
074	Automatic Day/Night/Weekend Mode Program	Attendant
075	ICM Box BGM Channel Select	Attendant
076	External Page Music -1 Assignment/Cancel	Attendant
079	Prepaid Call	-
07*	LCD Display Language	-
091	Set Call Forward	Attendant
0#	WHTU Subscription	Not supported in SBX IP 320

Flexible Button Programming Codes

FLEXIBLE BUTTON PROGRAMMING CODES		
Number	Item	Comments
11	Differential Ring	-
21	Station COS Down	-
22	Station COS Restore	-
23	Walking COS	-
31	Authorization Code Registration	-
32	Authorization Code Change	-
41	Wake-up Time Registration (One-time / Continuous)	-
42	Wake-up Time Cancel	-
51	Pre-selected MSG Activation	-
52	Set Custom Message	-
53	CLIR Key	-
54	Two Way Recording	-
55	Attendant DND	Networking Only
56	Attendant Camp On (Queue) BTN Assignment	Attendant
57	Call Log Display	-
61	Record VMIB User Greeting	-
64	Listen VMIB Station Status	-
66	Erase VMIB User Greeting	-
71	LCD Display Mode (English/Domestic Language)	-
73	Background Music	-
74	Station User Name Registration	-
75	Headset/Speakerphone Mode	-
76	Headset Ring Mode	-
80	Account Code Activation	-
81	DID Call Wait	-
83	[ICM Hold] BTN Assignment	-

FLEXIBLE BUTTON PROGRAMMING CODES		
Number	Item	Comments
84	[LOOP] BTN Assignment	-
85	[Camp-on] BTN Assignment	-
86	[INTRUSION] BTN Assignment	System Attendant
87	[UCD DND] BTN Assignment	+ Hunt Grp No.
89	Keypad Facility Key	Not supported in SBX IP 320
8*	{ACD STATUS} BTN Assignment	-
91	[CONF] BTN Assignment	2/8 BTN Keyset
92	[CALLBK] BTN Assignment	2/8 BTN Keyset
93	[DND/FWD] BTN Assignment	2/8 BTN Keyset
94	[FLASH] BTN Assignment	2/8 BTN Keyset
95	[MUTE] BTN Assignment	2/8 BTN Keyset
96	[SPEAKER] BTN Assignment	2/8 BTN Keyset
97	[REDIAL] BTN Assignment	2/8 BTN Keyset
98	DID Restriction	-
99	DISA Restriction	-
9*	Call Recording via USB	Not supported in SBX IP 320

Admin Programming Index

ADMIN PROGRAMMING		
Main Menu	PGM Code	Item
Pre-programmed Database	100	Location Program
	101	Board Assignment
	103	Logical Slot Assignment
	104	Numbering Plan Type
	105	Flexible Number Plan – Station Number
	106	Flexible Number Plan A
	107	Flexible Number Plan B
	108	IP Setting
	109	Flexible Number Plan C
	250	Hot Desk Attribute
Station Base Program	110	Station ID
	111	Station Attribute I
	112	Station Attribute II
	113	Station Attribute III
	114	ISDN Station Attribute
	115	Flex Button Assignment
	116	Station COS
	117	CO Line Group Access
	118	Internal Page Zone
	119	Conference Page Zone
	120	ICM Tenancy Group
	121	Preset Call Forward
	122	Hot/Warm Line Selection
	124	SMDR Account Group
	125	Copy DSS Button
	126	Station IP List

ADMIN PROGRAMMING		
Main Menu	PGM Code	Item
Station Base Program	130	Display Stations by COS
	131	Display Stations by CO Line Group Access
CO Line Base Program	140	CO Service Type
	141	CO Line Attribute I
	142	CO Line Attribute II
	143	ISDN CO Line Attribute I
	144	CO Ring Assignment
	145	CO Ring Assignment Display
	146	CO Line Attribute III
	147	CO CID Attribute
Slot Base Program	155	Board Attribute
System Base Program	160	System Attribute – I
	161	System Attribute – II
	162	ADMIN Password
	163	Alarm Attributes
	164	Attendant Assignment
	165	Auto Attendant VMIB Annc. Assignment
	166	CO-to-CO COS
	167	DID/DISA Destination
	168	External Control Contact
	169	LCD Date/Time/Language Display Mode
	170	Modem
	171	Music
	172	PBX Access Code
	173	PLA Priority Setting
	174	RS-232C Port Setting
	175	Print Port Selection
	176	Pulse Dial Ratio

ADMIN PROGRAMMING		
Main Menu	PGM Code	Item
System Base Program	177	SMDR Attributes
	178	System Date/Time Setting
	179	Linked Station Pairs Table
	180	System Timers – I
	181	System Timers – II
	182	System Timers – III
	183	In Room Indication
	184	Chime Bell Attribute
E1 R2 DCOB	186	DCOB System attribute
	187	DCOB CO Line Attribute
Station Group	190	Station Group Assign
	191	Station Group Attribute
ISDN System Base Program	201	COLP Table
Tables	220	LCR Attributes
	221	LCR – Leading Digit Table
	222	LCR – Digit Modification Table
	223	LCR Table Initialization
	224	Toll Exception Table - Allow A (Entry no:01-30)
		Toll Exception Table - Deny A (Entry no:01-30)
		Toll Exception Table - Allow B (Entry no:01-30)
		Toll Exception Table - Deny B (Entry no:01-30)
	225	Canned Toll Table - Allow (Entry no:01-10)
		Canned Toll Table - Deny (Entry no:01-10)
	226	Emergency Code Table
	227	Authorization Code Table
	228	Customer Call Routing
	229	Executive/Secretary Table
	231	Flexible DID Table

ADMIN PROGRAMMING		
Main Menu	PGM Code	Item
Tables	232	System Speed Zone
	233	Weekly Time Table
	234	Voice Mail Dialing Table
	236	Mobile Extension
	204	Local Code Table
SMS Attribute	291	SMS Setting
	292	SMS CO Attribute
Networking	320	Networking Basic Attribute
	321	Networking Supplementary Attribute
	322	Networking CO Line Attribute
	324	Networking Routing Table
VOIB	340	VOIB IP Setting
	341	GK Setting (Not Supported yet)
SIP Attrinute	500	SIP Attributes 1
	501	SIP Attributes 2
RSG	380	VOIB Slot For RSG/IP
	381	RSG/IP No Assign
	382	RSG/IP Attribute
	386	IP Phone Attribute
	396	IP Phone RX GAIN
	397	IP Phone TX GAIN
Nation Specific	400	DTIB Rx Gain Control
	401	SLIB Rx Gain Control
	404	ACOB Rx Gain Control
	406	DCOB Rx Gain Control
	407	VMIB Rx Gain Control
	408	DTMF Receiver Rx Gain Control
	409	EXT Page Rx Gain Control

ADMIN PROGRAMMING		
Main Menu	PGM Code	Item
Nation Specific	410	CPTU Rx Gain Control
	411	Modem Rx Gain Control
	412	Short SLIB Gain Control
	413	Long SLIB Gain Control
	414	Far SLIB Gain Control
	415	Short ACO Gain Control
	416	Long ACO Gain Control
	417	MBU DSP RX Gain
	418	MBU FSK TX Gain
	420	System Tone Frequency
	421	Differential Ring Frequency
	422	Distinct CO Ring Frequency
	423	ACNR Tone Cadence
	424	DTIB Rx From ACO Gain Control
Initialization (DB INIT)	450	Initialization
Print Database	451	Print Port Database

Default Values

Location Program

LOCATION PROGRAM				
PGM	Flex	Item	Default	Comments
100	1	Nation Code	82	Max. 4 digits
	2	Customer Site Name	-	Max. 24 digits

Rack Slot Assignment

Rack Slot Assignment					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
101	-	Slot Assignment	Refer to Note 2	Refer to Note 1	In case of PRIB assignment, it is possible to program logical port number.

Note 1 - If the DIP switch of the manual board detection (DIP Switch 4) is ON, system will detect the installed board type automatically. If the DIP switch 4 is OFF, the board type code must be entered at each slot. After manual Rack Slot assignment, user should reset the system manually.

Note 2 - Board Type Code Table:

STA	CODE	COL	CODE	ETC	CODE
SLIB16	13	LCOB3	33	VMIB	64
SLIB8	14	DCOB	40	AAFB	65
HYBRID	17	(E1) VOIB	41	-	-

Logical Slot Assignment

Logical Slot Assignment				
PGM	FLEX	ITEM	DEFAULT	COMMENTS
103	1	COL Board	Refer to Note	-
	2	STA Board	Refer to Note	-
	3	VMIB	Not Assigned	-

Numbering Plan Type

Numbering Plan Type				
PGM	ITEM	STA RANGE	DEFAULT	COMMENTS
104	Number Set Type 1	100-147	Type 1	As the basic type, the 1st digit of station number should be 1-4.
	Number Set Type 2	100-147		The station number can be changed within 799.
	Number Set Type 3	100-147		-
	Number Set Type 4	700-747		-
	Number Set Type 5	200-247		-
	Number Set Type 6	21-68		-
	Number Set Type 7	100-147		-
	Number Set Type 8	100-147		The station number can be changed within 999.

Flexible Numbering Plan

Flexible Numbering Plan										
PGM	FLEX	FIELD	SET1	SET2	SET3	SET4	SET5	SET6	SET7	SET8
105	-	Intercom Call	100-147	100 - 147 (100 - 799)	100-147	700 - 747	200-247	21- 68	100 - 147	100-147 (100-999)
106	1	Group Pilot Number	620-629	*620 -*629	620-629	620-629	620-629	*620-*629	620-629	*620-*629
	2	Internal Page Zone	501-510	*501-*510	#01-#10	#01-#10	#01-#10	*501-*510	401-410	*501-*510
	3	Internal All Call Page	543	*543	#5	#7	#5	*543	43	*543
	4	Meet Me Page	544	*544	##	##	##	*544	44	*544
	5	External Page Zone 1	545	*545	#6	#41	#6	*545	45	*545
	6	All Call Page (Int & Ext)	549	*549	#00	#6	#00	*549	49	*549

Flexible Numbering Plan										
PGM	FLEX	FIELD	SET1	SET2	SET3	SET4	SET5	SET6	SET7	SET8
106	7	SMDR Account Code Enter - SLT	550	*550	550	91	50	*550	50	*550
	8	Flash Command to CO Line-SLT	551	*551	551	551	51	*551	51	*551
	9	Last Number Redial-SLT	552	*552	552	552	52	*552	52	*552
	10	DND Toggle On/Off-SLT	553	*553	553	553	53	*553	53	*553
	11	Call Forward-SLT	554	*554	554	554	54	*554	54	*554
	12	Speed Dial Programming-SLT	555	*555	555	*40	55	*555	55	*555
	13	Message Wait/Callback Enable	556	#556	556	566	56	#556	56	#556
	14	Message Wait/Callback Return-SLT	557	#557	557	567	57	#557	57	#557
	15	Speed Dial Access-SLT	558	*558	558	*9	58	*558	58	*558
	16	Cancel DND/FWD/Pre-MSG-SLT	559	*559	559	559	59	*559	59	*559
	17	SLT Hold	560	*560	560	560	690	*560	30	*560
	18	Reserved	-	-	-	-	-	-	-	-
	19	Reserved	-	-	-	-	-	-	-	-
	20	Programming Mode Enter Code-SLT	563	*563	563	563	693	*3	33	*3
	21	ACD Reroute	564	*564	564	564	694	*4	34	*4
107	1	Alarm Reset	565	*565	565	*565	695	*565	35	*565
	2	Group Call Pickup	566	*566	**	*1	**	*566	36	*566
	3	UCD DND	568	*568	568	568	698	*568	68	*568

Flexible Numbering Plan										
PGM	FLEX	FIELD	SET1	SET2	SET3	SET4	SET5	SET6	SET7	SET8
	4	Night Answer	569	*569	577	2	699	*569	69	*569
	5	Call Parking Locations	601 - 610	601 - 610	601 – 610	601-610	601 - 610	601 - 610	601 - 610	601 - 610
	6	Direct Call Pickup	7	*7	*7	*42	7	*7	7	*7
	7	CO Line Group Access	801-824	801-824	801-824	401-424	801-824	801-824	801-824	#801-#824
	8	Individual CO Access	8801-8836	8801-8836	8801-8836	4801-4836	8801-8836	8801-8836	8801-8836	#8801-#8836
	9	-	-	-	-	-	-	-	-	-
	10	Retrieve Held CO Line	8*	8*	8*	4*	8*	8*	8*	#8*
	11	Retrieve Held Individual CO Line	8#xx	8#xx	8#xx	4#xx	8#xx	8#xx	8#xx	#8#xx
	12	Access CO Line (In 1st available CO Line Group)	9	9	9	1	0	9	9	0
	13	Attendant Call	0	0	0	0	9	0	0	#9
	14	1st Door Open	#*1	#*1	#*1	#*1	#*1	#*1	*1	#*1
	15	2nd Door Open	#*2	#*2	#*2	#*2	#*2	#*2	*2	#*2
	16	3rd Door Open	#*3	#*3	#*3	#*3	#*3	#*3	*3	#*3
	17	4th Door Open	#*4	#*4	#*4	#*4	#*4	#*4	*4	#*4
	18	VM Message Waiting Enable	*8	*8	*8	*8	*8	*8	*8	*8
	19	VM Message Waiting Disable	*9	*9	*9	*9	*9	*9	*9	*9

Flexible Numbering Plan										
PGM	FLEX	FIELD	SET1	SET2	SET3	SET4	SET5	SET6	SET7	SET8
109	1	Reserved	-	-	-	-	-	-	-	-
	2	Reserved	-	-	-	-	-	-	-	-
	3	Reserved	-	-	-	-	-	-	-	-
	4	Conference Room	57	*57	*57	57	*57	*57	*57	*57
	5	SLT Conference Page Join	58	*58	*58	58	*58	*58	*58	*58
	6	Unsupervised Conf Timer Extend	##	##	*##	*##	*##	##	##	##
	7	Reserved	-	-	-	-	-	-	-	-

IP Setting

IP Setting					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
108	1	IP Name	Max 15	-	-
	2	Server IP Address	12 Digits	192.168.1.1	Skip: #
	3	CLI IP Address	12 Digits	-	-
	4	Gateway Address	12 Digits	-	-
	5	Subnet Mask	12 Digits	255.255.255.0	-
	6	PPP Usage	ON/OFF	-	-

Expanded Flexible Numbering Plan

Wxpended Flixible Numbering Plan					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
109	4	Conference Room	Max 8	57	-
	5	SLT Conference Page Join	Max 8	58	-
	6	US CONF TMR Extension	Max8	##	-

Station ID Assignment

Station ID Assignment					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
110	1	Station ID Assignment	01-14	-	-
	2	DSS/DLS Map - Associate STA	STA #	-	-

Station Attribute I/II/III

Station Attribute I/II/III					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
111	1	Auto Speaker Selection	ON / OFF	ON	If value is set to ON, station user can access a CO line or make a DSS call by pressing appropriate {CO} or {DSS} button without lifting handset or pressing the [SPEAKER] button.
	2	Call Forward	ON / OFF	ON	If value is set to ON, an incoming call can be forwarded to another destination.
	3	DND	ON / OFF	ON	If value is set to ON, station user is prevented from receivng incoming calls.
	4	Data Line Security	ON / OFF	OFF	If value is set to ON, override and camp-on from other stations are prohibited when this station is busy.

Station Attribute I/II/III					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
111	5	Howling Tone (SLT)	ON / OFF	ON	If value is set to ON, system gives a howling (loud error) tone when phone is in off-hook state without action for an extended period of time.
	6	ICM Box Signaling.	ON / OFF	OFF	If value is set to ON, station can receive intercom box signal.
	7	No Touch Answer	ON / OFF	ON	If value is set to ON, station can respond to a transferred CO call automatically when in Hands-free or Privacy mode.
	8	Page Access	ON / OFF	ON	If value is set to ON, station can page another station.
	9	Ring Type	0-4	0	If value is not set to 0, selected ring type is heard by called party of intercom call.
	10	Speaker Ring	1:Speaker 2: Headset 3:BOTH	Speaker-Phone	Value determines if an incoming call will ring to speaker, handset, or both.
	11	Speakerphone	ON/OFF	ON	If this value is set to ON, Speakerphone can be used.
	12	VMIB Slot	-	0	not available in SBX IP 320
	13	ICM Group	1-5	1	This feature selects intercom Tenancy Group, to which this station belongs.
	14	Error Tone for Telephone Answering Device	ON / OFF	OFF	If value is set to ON, and TAD is used on SLT port, TAD will receive a busy tone instead of error tone when caller hangs up.
	15	SLT Flash Drop	ON / OFF	OFF	If value is set to ON, a CO Call can be dropped by pressing [FLASH] button or Hook Flashing.
	16	Loop LCR Account Code	ON / OFF	OFF	If value is set to ON, station user must enter Account Code to use Loop LCR.
	17	VMIB Message Type	FIFO / LIFO	LIFO	FIFO/LIFO plays the first recorded VMIB message, or the latest message, respectively.
	18	Off-net Call Forward	EN/DIS	ENABLE	If value is set to ON, Off-net call forward can be used.

Station Attribute I/II/III					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
111	19	Forced Hands-free	ON / OFF	OFF	If value is set to ON, station can force called party to use hands-free mode when it is ringing.
	20	CID SLT CAS GAIN	00-20	5	Not available in SBX IP 320
	21	CID SLT FSK GAIN	00-20	5	Not available in SBX IP 320
	22	CALLER Voice Over	ON / OFF	OFF	If value is set to ON, station can make Voice-Over to busy station.
	23	SIP User ID Table Bin	00-32	00	For Outgoing SIP Calls -- If 00, system uses caller ID based on station number. If 01-32, system uses programmed ID in user ID table. (SIP Attributes 2 at PC Admin PGM 501
	24	Listen Redial DTMF	ON / OFF	ON	If value is set to ON, DTMF tone is heard by station user while redialing.
112	1	CO Warning Tone	ON / OFF	OFF	In case of restricting outgoing CO call time, if value is set to ON, station user receives warning tone during CO call after the timer expires. (PGM 180-FLEX 22)
	2	Automatic Hold	ON / OFF	OFF	While seizing a CO line, station user can seize another CO line by pressing a {CO} button. If value is set to ON, the previous seized CO line goes on hold automatically. For Attendant, default value is ON.
	3	CO Call Time Restriction	ON / OFF	OFF	If value is set to ON, station's outgoing CO call may be disconnected when Call Cut -Off Timer expires. (PGM 113-FLEX12)
	4	Ind CO Line Access	EN / DIS	ENABLE	If value is set to ENABLE, station user can access individual CO line by dialing Individual CO access code. (PGM 107-FLEX 8)

Station Attribute I/II/III					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
112	5	CO Line Queuing	EN / DIS	ENABLE	When station user receives a busy signal when attempting to access a CO line, the user may request a call back (queue) when CO line is available. If value is set to ENABLE, user receives a callbackwhen a busy CO line becomes available.
	6	CO PGM	EN / DIS	DISABLE	If this value is set to ENABLE, the station user can program CO button at its Flexible button.
	7	PLA	EN/DIS	ENABLE	If this value is set to ENABLE, the station user can answer calls according to the priority (PGM 173).
	8	Prepaid Call	ON / OFF	OFF	If this value is set to ON, the station user can use Prepaid Call feature (PGM 180-FLEX 16).
	9	Speed Dial Access	EN / DIS	ENABLE	If this value is set to ENABLE, the station user can use system speed dial call.
	10	Two Way Record	ON / OFF	OFF	If this value is set to ON, the station user can record the incoming and outgoing voice during conversation.
	11	Fax Mode	ON / OFF	OFF	If this value is set to ON, single ring is provided and Attendant recall is not operated.
	12	OFFNET Call Mode	EXT / ALL	ALL	If this value is set to EXT, the station user can only forward CO call to Off-net(ex mobile phone). Otherwise both CO call and ICM call can be forwarded to Off-net.
	13	UCD Group Service	ON / OFF	OFF	This feature is used when a station gets DID/DISA call. If this value is set to ON, the UCD Group, which the station belongs to, gets the incoming call and if this value is set to OFF, the station gets the incoming call directly whether the station is busy or not.

Station Attribute I/II/III					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
112	14	Ring Group Service	ON / OFF	OFF	This feature is used when a station in Ring Group gets a DID/DISA call. If this value is set to ON, the Ring Group, which the station belongs to, gets the incoming call and if this value is set to OFF, the station gets the incoming call directly
	15	Stop Camp On Tone	EN / DIS	DISABLE	If this value is set to ENABLE, Camp on Tone is not heard.
	16	Line Length	SHORT/ LONG/FAR	SHORT Short:0km, Long:0-3km Far:3-7.5km	This feature is used to distinguish the line length when the distance between the stations and the station boards is too variable. (SAF only)
	17	MSG SCROLL SPEED	0 - 7	3	This value means the scroll speed of SMS or broadcasting notice message. (Only for LKD-30DH)
	18	Block Back Call for SLT	ON / OFF	OFF	If this value is set to ON, SLT recalling is blocked after pressing [FLASH] button.
	19	I-TIME RST	ON / OFF	OFF	If this value is set to ON, the conversation time of incoming CO call is limited. After Call Cut -Off Timer (PGM 113-FLEX12) is expired, the call is forced to disconnected.
	20	STA Account	ON / OFF	OFF	If this value is set to ON, an authorization code is required when she accesses CO line.
	21	RCID Type Service RESERVED	ON / OFF	OFF	If this value is set to ON, CLI type 2 is serviced for CID SLT. CLI type 2 is not serviced in SBX IP 320.
	22	Door Open	ENABLE/ DISABLE	DISABLE	If this value is set to ON, the station can open the door using the door open code.
	23	Dummy Station	ON / OFF	OFF	If this value is set to ON, an hot-desk agent can login at the dummy station.
	24	Emergency Supervisor	ON / OFF	OFF	If this value is set to ON, this station can make Emergency Intrusion call to other station.

Station Attribute I/II/III					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
113	1	ADMIN	EN / DIS	DISABLE	If this value is set to ENABLE, the assigned station users can program ADMIN Database. This feature is only available at DKTU. (STA 100 : Enabled as default)
	2	VMIB Access	EN / DIS	DISABLE	If this value is set to ENABLE, the station user can use VMIB.
	3	Group Listening	EN / DIS	DISABLE	If this value is set to ENABLE, the station user can use group listening. While you are talking on handset, by pressing the [SPEAKER] button, other people around you may hear the conversation through the speaker. Although the voice of other people is not sent by mic.
	4	Override Privilege	EN / DIS	DISABLE	If this value is set to ENABLE, the station user can override CO Call.
	5	SMDR Hidden Dialed Digits	EN / DIS	DISABLE	If this value is set to ENABLE, Dialed number of CO Call is not showed on SMDR record.
	6	Voice Over	EN / DIS	DISABLE	If this value is set to ENABLE, the station user can talk alternately a call to the other call.
	7	Warm Line	HOT / WARM	WARM	If this value is set to HOT, the station user can use Hot Line. (Ref PGM 122). Otherwise in Warm Line state, Warm Line Timer starts when user lifts handset or presses the [SPEAKER] button.
	8	VMIB MSG Retrieve Password	ON / OFF	OFF	If this value is set to ON, the station user must enter password to retrieve VMIB Message.
	9	VMIB MSG Retrieve Date/Time	ON / OFF	ON	If this value is set to ON, Date and time will be heard when VMIB Message is retrieved.
	10	Alarm Attribute	ON / OFF	OFF	If this value is set to ON, the station gets the alarm signal.

Station Attribute I/II/III					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
113	11	Mute Ring Service	ON / OFF	OFF	If this value is set to ON, the station can get mute ring.
	12	Call Cut Off timer	0-99	0	0: Disable (Minutes based)
	13	Barge In mode	0-2	0	1-Monitor Mode 2-Speech mode
	14	Auto Forward to VMIB	ON / OFF	ON	-
	15	Station Port Block	Enable / Disable	Disable	If this value is set to ON, station is blocked so it is possible to use that station.

ISDN Station Attribute

ISDN Station Sttribute					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
114	1	CLIP LCD Display	ON / OFF	ON	If this value is set to ON, the CLI is displayed on the station LCD.
	2	COLP LCD Display	ON / OFF	OFF	If this value is set to ON, the connected party's CLI is displayed on station LCD.
	3	CLI / REDIRECT Display	CLI / REDIRECT	CLI	When using networking, If this value is set to RED, the redirected CLI is displayed. Otherwise, the original CLI is displayed
	4	CLI MSG Wait	ON / OFF	OFF	If this value is set to ON, the station can receive CLI message from CO Incoming call, when the station doesn't answer.
	5	EXT or CO ATD RESERVED	ATD/EXT	EXT	If this value is set to ATD, CO ATD code(PGM 200) is used to outgoing CLI information. Otherwise, station number is used as CLI information

ISDN Station Sttribute					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
114	6	Keypad Facility RESERVED	KEYPAG / DTMF	DTMF	If this value is set to KEYPAD, ISDN station sends digit in keypad facility after connected. Otherwise DTMF is used.
	7	Long / Short RESERVED	LONG / SHORT	SHORT	If this value is set to LONG, ISDN station acts in LONG passive mode.
	8	CPN Type RESERVED	0-2	0 (Not used)	This value set CPN IE type of SETUP message. (If this value is set to 0, all S0 stations of the S port get the incoming call. in case of 1 & 2, only one specific station gets the call.)
	9	SO Sub-address RESERVED	0-2	0 (Not used)	This value indicates how the sub-address is used in SETUP message. If this value is set to 0, station sub-address not used. Else if set to 1, sub-address is filled in the CPN field of SETUP message. Otherwise, sub-address is filled in the CPSN (Called Party Sub-address Number) field of SETUP message.
	10	DISA Restriction	ON / OFF	OFF	If this value is set to ON, the station is restricted to receive the DISA incoming call.
	11	CLI Name Display	ON / OFF	OFF	If this field is ON, the system checks whether the received CLI is matched with the speed dial data or not. If it is matched, the speed dial name is displayed.
	12	ISDN CLI Station Number RESERVED	Max 4 digits	-	This value is used as outgoing CLI When outgoing CLI is active and CLI type is EXT(Station)

ISDN Station Sttribute					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
114	13	Progress Indication RESERVED	ON / OFF	OFF	If this value is set to ON, the Progress Indicator can notice non-ISDN device.
	14	ISDN CLIR RESERVED	ON / OFF	OFF	If this value is set to ON, the CLI information is restricted by PX .
	15	ISDN COLR RESERVED	ON / OFF	OFF	If this value is set to ON, the connect party's CLI information is restricted by PX.
	16	DID Restriction	ON / OFF	OFF	If this value is set to ON, the station is restricted to receive the DID incoming call.
	17	DID Call Wait	ON / OFF	OFF	If this value is set to ON, when the station is busy, another DID call could be waiting.
	18	CLI Type RESERVED	LONG / SHORT	SHORT	This value selects CLI type.
	19	Long Station CLI RESERVED	Max 12 digits	Logical STA Number	If outgoing CLI is activated and CLI type is EXT(Station), this value is used as outgoing CLI.
	20	MSN Call Wait RESERVED	ON / OFF	OFF	If this value is set to ON, she receives a call waiting via MSN.
	21	Long CLI 1 RESERVED	Max 16 digits	-	If CLI type of outgoing CO line is set to 1, Long CLI 1 is sent.
	22	Long CLI 2 RESERVED	Max 16 digits	-	If CLI type of outgoing CO line is set to 2, Long CLI 2 is sent.

Flexible Button Assignment

Flexible Button Assignment					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
115	01-24	Flex. Buttons Assignment	FLEX 01-44	-	Each Flexible Button in a station can be assigned as desired.
	-	01: User Key	-	-	User can program by button programming procedure. (empty)
	-	02: {CO} Button	01-36	-	CO Line
	-	03: {CO Line Group} Button	01-24	-	CO Line Group
	-	04: {LOOP} Button	-	-	-
	-	05: {STA xxx} Button	STA No.	-	Station No.
	-	06: STA PGM Button	11 – 99	-	Station Programming Code
	-	07: {STA SPD xxx} Button	STA SPD Bin No.	-	Speed Bin
	-	08: {SYS SPD xxxx} Button	SYS SPD Bin No.	-	System Speed Bin
	-	09: FLEX NUM	Num Plan Code	-	Num Plan Code
	-	10: Networking DSS Button	Networking No.	-	Networking DSS Number
	-	11: MSN Button		-	RESERVED

Station Base Program

Station Base Program					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
116	1	Station COS : Day	1-9	1	Day Class-Of-Service
	2	Station COS : Night	1-9	1	Night / Weekend Class-Of-Service
117	-	CO Line Group 01-24	-	01-24	CO line Group 1-24 (Toggle)
118	-	Internal Page Zone Access	1-5	1	Each station can be assigned to internal page zone. (Toggle)

Station Base Program					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
119	1-5	Conference Page Zone Access	1-5 (Zone 06-10)	-	Each station can be assigned to conference page zone.
120	-	ICM Tenancy Group number	-	-	Each Intercom Tenancy Group can be operated independently and the stations in the group can be assigned an individual CO Line Group to use. Each group can be assigned with attendant and can be prgrammed to allow or deny calls to other groups. SBX IP 320 system supports 5 ICM Tenancy Groups and Tenancy ATDs.
	1	ICM Tenancy Group Attendant	STA No.	-	Each ICM group may have one attendant. Day / Night Mode of ICM Group is set by ICM Group attendant.
	2	ICM Tenancy Access Group	1-5	Group 1	Each group can be programmed to allow or deny calls to other groups.
121	-	ICM Preset Call Forward	-	-	When this feature is programmed, if the station does not asnwer the incoming CO call within Preset Call Forward time, then this call is forwarded to preset destination. No station is assigned as default.
122	-	Idle Line Selection	-	-	This feature assigns the destination of Hot Line and Warm Line.
	-	1: Flex Button	01- 44	-	To activate a feature on a flex button as if pressed.
	-	2: CO Line	01-36	-	To seize a CO Line
	-	3: CO Line Group	01-24	-	To seize a CO Line Group
	-	4: Station	100-147	-	To call an another station
124	-	SMDR Account Group Assign	00-23	00 (Not Assigned)	Stations can be assigned as a member of call account group on SMDR. A station belongs to only one group.
125	-	Copy DSS Button	01-05	-	The assigned DSS button can be copied to another station or ICM group.
	1	Copy DSS to station	-	-	-
	2	Copy DSS to ICM Group	-	-	-

Station Base Program					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
126	-	Station IP List	01-48	-	-
130	-	Display Station Number by COS	-	-	COS stands for Class of Service. It means, depends on the grade of COS, the service could be limited. The certain COS of station could be checked.
	1	Show station by assigned day COS	-	-	-
	2	Show station by assigned night COS	-	-	-
131	-	Display Station Number by CO access Gr.	01-24	-	System can display station by CO access group.

CO Line Base Program

CO Line Base Program					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
140	-	CO Service Type	-	-	In this program mode, you can program the following items.
	1	CO Type	1-5	1 (Normal)	1:Normal, 2:RESERVED, 3:ISDN DID/MSN 5:DCO DID
	2	Detailed Attribute of the type	-	-	-
	8	PABX CO Ring Back Tone	YES / NO	NO	If this value is set to YES, PX or PABX provides CO Ring Back Tone. If this value is set to NO, the SBX IP 320 system provides CO Ring Back Tone.
	9	PABX CO Error Tone	YES / NO	NO	If this value is set to YES, PX or PABX provides CO Error Tone. If this value is set to NO, the SBX IP 320 system provides CO Error Tone.
	10	PABX CO Busy Tone	YES / NO	NO	If this value is set to YES, PX or PABX provides CO Busy Tone. If this value is set to NO, the SBX IP 320 system provides CO Busy Tone.
	11	PABX CO Announce Tone	YES / NO	NO	If this value is set to YES, PX or PABX provides CO Announce Tone. Otherwise PX or PABX does not provide CO Announce Tone. Instead, SBX IP 320 system provides it.
	12	CO Flash Timer	000-300	050	This value provides the length of time limit of CO Flash. CO Flashing is available within this timer. Otherwise, the CO Line is released. 10msec base
	13	Open Loop Detect Timer	0-20	0	This value provides the time limit of CO Open Loop. 100msec base
	14	Line Length	LONG / SHORT	SHORT	This feature is used to distinguish the line length when the CO Line length is too variable. (SAF only)
	15	DISA Answer Timer	1-9	5	The incoming DISA call is answered after this timer expires.

CO Line Base Program					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
140	16	DISA Delay Timer	1-9	2	After this timer, DTMF Receiver is attached after DISA line answered. (CIS only)
143	-	ISDN CO Line Attribute	-	-	-
	1	COLP Table Index	00-50	Not Assigned	To know connected party number information, CLI refer this value. If this value is set to 50, the CLI of this CO Line refers to PGM 114-FLEX5. Else if this value is set to 00-49, the CLI of this CO Line refers COLP Table(ADMIN201).
	2	CLIP Table Index	00-50	Not Assigned	To know calling party number information, CLI refer this value. If this value is set to 50, the CLI of this CO Line refers to ADMIN114-FLEX5. Else if this value is set to 00-49, the CLI of this CO Line refers COLP Table(PGM 201).
	3	Type of Calling Number	0-4	2	This value is used to set the call type of ISDN CO line CLI.
	4	DID Conversion Type	0-2	0	When CO Service Type is set to ISDN DID/MSN(PGM 140), this value is used to decide DID digit conversion type. If this value is set to 0, incoming digits are converted as PGM 146. If set to 1, there's no digit conversion. If the caller dials valid station number, the station gets the call. If set to 2, it refers Flexible DID Table (PGM 231).
	5	DID Remove No.	00-99	Not Assigned	If this value is not 0, and the CO Line is DID Line, the system discard the incoming DID digits up to amount of this value . e.g. If this value is set to 02 and the outside caller dialed '01245', then the first '01' is removed.
	6	ISDN enblock send	ON / OFF	OFF	If this value is set to ON, Enblock Sending Mode is applied at outgoing CO call.

CO Line Base Program					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
143	7	CLI Transit	ORI (1)/ CFW (0)	CFW (0)	When using networking, If this value is set to ORI, the originate caller's CLI is sent for CLI. Otherwise, the call forwarded station's CLI is sent.
	8	Numbering Plan ID	F1: 0-7 F2: 0-7	0	Calling Party/Called Party Numbering Plan ID setting. F1 : Calling NPI / F2 : Called NPI
	9	ISDN SS CD/CR	0: No Service 1: Call Deflection 2: Call Rerouting	0	If this value is set, ISDN call deflection or rerouting service is available.
	10	Reserved	-	-	-
	11	ISDN Call Proc. Inband Message	ON / OFF	OFF	If this value is set to ON, Inband info. in call proceeding is available
	12	Long CLI TYPE	0-2	-	If this value is set to 0, the CLI is made as before (refer PGM200 /PGM114) If this value is set to 1 or 2, the CLI is just as same as Long CLI (Station Long CLI 1 or 2). Not in SBX IP 320
	13	ISDN ECT Not in SBX IP 320	1 (Enable)/ 0 (Disable)	1 (Enable)	Not in SBX IP 320
144		CO Ring Assignment	-	-	STA Range (Delay : 0 – 9), Hunt Group, VMIB Message
	1	Day	STA_R / HUNT / VMIB	-	-
	2	Night	STA_R / HUNT / VMIB	-	-
	3	Weekend	STA_R / HUNT / VMIB	-	-
	4	On-demand	STA_R / HUNT / VMIB	-	-

CO Line Base Program					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
145	-	CO Ring Assignment Display	-	-	You can check the ring assignment destination of the CO line for each Day/Night Ring Mode. If CO Call is assigned to the station at Day or Night Mode, you can see the delay value also. e.g.) 100(1) means station 100 gets the ring with delay 1. When there are too many stations, you can scroll data using volume up/down key.
	1	Day	-	-	-
	2	Night	-	-	-
	3	Weekend	-	-	-
	4	On-demand	-	-	-
146	1	Incoming Prefix Code Insertion	ON / OFF	OFF	If this value is set to ON, prefix code will be attached in front of incoming CLI.
	2	Outgoing Prefix Code Insertion	ON / OFF	ON	If this value is set to ON, prefix code will be attached in front of outgoing CLI.
	3	ISDN Line Type	μ-Law/ A-Law	A-Law (OFF)	This value is used to set ISDN CODEC Type.
	4	Calling Sub-address	ON / OFF	OFF (NO)	If this value is set to ON, calling party sub-address of the ISDN station is attached when an ISDN station makes an outgoing CO Call through this CO Line.
	5	DID DGT Receive Number	2-4	3	This value is used as count of the received DID Digit number to route DID incoming Call.
	6	DID Digit Mask	4 digits (d.*,#)	#***	When DID Conversion Type (PGM 143-FLEX4) is set to 0, The received DID digits are converted by this value. The number 0-9, #, * can be entered. # means to ignore received digit, and * means to bypass the digit. The length of DID Digit Mask is 4. e.g.) ‘1234’ is received when DID Digit Mask is set as ‘#8**’, the digit is converted as ‘834’.

CO Line Base Program					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
146	7	Collect Call Blocking	0 = Disable 1 = With Indicator 2 = Without Indicator	0 (Disable)	If this feature is set to 1 or 2, incoming collect call is blocked.
	8	Collect Call Answer Timer	1-250 (100ms 3 Digits)	010 (100ms)	In case of 'WITHOUT INDICATOR' collect call blocking, incoming call is answered during this time. And then CO loop is opened.
	9	Collect Call IdleTimer	1-250 (100ms 3 Digits)	020 (100 ms)	In case of 'WITHOUT INDICATOR' collect call blocking, incoming call is answered during 'Collect Call Answer Timer'. And then CO loop is during this time. And CO is answered again.

CO Line CID Program

IP Setting					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
147	-	CO CID Attributes	-	-	-
	1	CID MODE SELECT	0-3	0	0: OFF / 1: FSK / 2: DTMF
	2	CID Name Display	NAME (1)/ TEL NO (0)	TEL NO (0)	According to this ADMIN program value, LCD displayed data can be selected.

Slot Base Program

Slot Base Program					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
155	1	R2 CRC Check	ON / OFF	ON	If this value is set to ENABLE, the R2 CRC is checked.
	2	Set Distance coefficient	0-3	0	Gain value is set according to the Distance Coefficient.
	3	DCO IP Addr	12 Digits (IP Addr)	-	IP Address of E1IB
	4	DCO Gateway IP Addr	12 Digits (IP Addr)	-	Gateway IP Address of E1IB
	5	DCO Subnet Mask	12 Digits (IP Addr)	-	Subnet Mask IP Address of E1IB
	6	DCO Server IP Addr	12 Digits (IP Addr)	-	Server IP Address of E1IB
	7	DCO Master Clock	1 (ON) / 0 (OFF)	0 (OFF)	This value decides E1IB is Master party or Slave party

System Base Program

System Base Program					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
160	-	System Attributes-I	-	-	-
	1	Attendant Call Queuing Ringback Tone	RBT / MOH	MOH	If this value is set to RBT, ring back tone is provided to the station when the station calls busy attendant. Otherwise hold tone or VMIB-MOH (PGM 171 - FLEX2) is provided.
	2	CAMP RBT/MOH	RBT / MOH	MOH	MOH or Ring Back tone is heard on camp-on.

System Base Program					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
160	3	CO Line Choice	LAST / ROUND	Round	In seizing a CO Line among CO line group, if this value is set to LAST CHOICE, Last available CO Line is seized. Otherwise, CO line is seized round robin choice.
	4	DISA Retry Counter	0-9	3	When the DISA user fails to call a station or access a feature, then DISA user can retry other calls or features within this retry counter. If DISA user cannot access appropriately within this counter, this call is routed according to DID/DISA destination (PGM 167).
	5	ICM Continuous Dial-Tone	CONT / DISCONT	CONT	This value sets whether ICM dial tone is continuous or not.
	6	CO Dial-Tone Detect	ON / OFF	OFF	When the speed dial is activated, if this value is set to ON, system detects dial tone using CPT instead of pause timer.
	7	External Night Ring	ON / OFF	OFF	If this value is set to ON, when CO incoming call is received and UNA service is activated, the call is sent to LBC1.
	8	Hold Preference	SYS/EXEC	SYS	There are two types of Hold; System Hold and Exclusive Hold. If a call is held as System Hold, any station can retrieve that call, otherwise only holding station can retrieve that call.
	9	Multi-line Conference	ON / OFF	ON	If this value is set to ON, a conference with multi-CO lines is available.
	10	Print LCR Conversion Digit	ON / OFF	OFF	If this value is set to On, LCR converted digits are showed on LCD and SMDR data. Otherwise original dialed digits are showed.
	11	Conference Warning Tone	ON / OFF	ON	If this value is set to ON, other members will hear warning tone when a new member enters the conference,

System Base Program					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
160	12	Off-net Prompt Usage	ON / OFF	ON	If this value is set to On, off-net VMIB announcement(prompt) will be heard when the call is Off-net call forwarded,. It is only applied to CO-to-CO Transfer.
	13	Off-net DTMF Tone	ON / OFF	ON	If this value is set to ON, dialing DTMF tone will be heard to the outside caller when the call is Off-net call forwarded. It is only applied to CO-to-CO Transfer.
	14	CO Voice Path Connect	IMM/DGT	DGT	If this value is set to IMM(immediate), voice path is connected immediately at the CO outgoing call, otherwise it is connected after dialing any digits.
	15	Transfer Tone	RBT/MOH	MOH	While a call is transferred to destination station, if this value is set to RBT, transferred station will be heard ring back tone. Otherwise MOH will be heard.
	16	CO-CO Transfer CPT Detect	ON / OFF	OFF	CPT tone detect at CO to CO transfer
	17	ACD Info Print	ON / OFF	OFF	-
	18	CO-CO Unsupervised Conference Timer Extend	ON / OFF	OFF	Extend CO to CO Unsupervised Conference Timer
	19	CALL LOG LIST NUMBER	15-50	15	Set the number of Call Log List per stations.
	20	Cut ISDN Overlap Dial Noise Not used in SBX IP 320	ON / OFF	-	RESERVED
161	-	System Attributes-II	1-18	-	-
	1	PX Time/Date Setting	ON / OFF	OFF	If this value is set to ON, the system time/date are set by the PX time/date.
	2	Off-Hook Ring Signal Type	MUTE / BURST	MUTE	The off-hook ring type in the system can be set to mute or one burst ring.
	3	Override 1st CO Line Group	ON / OFF	ON	If this value is set to ON, if there is no available CO Line in the first CO Line Group, system can access the next accessible CO Line Group.

System Base Program					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
	4	Page Warning Tone	ON / OFF	ON	If this value is set to ON, page warning tone will be heard when paging starts.
	5	Auto Privacy	ON / OFF	ON	If this value is set to ON, the call is protected from override regardless of Station Override Privilege (PGM 113-FLEX 4).
	6	Privacy Warning Tone	ON / OFF	ON	If this value is set to ON, privacy warning tone will be heard when the call is overridden.
	7	Single Ring for CO Call	YES / NO	NO	The cadence of ICM ring is set to 1sec on/ 4 sec off. The cadence of CO ring is set to 0.4s on/ 0.2s off/ 0.4s on/ 4 sec off. If this value is set to YES, the ICM ring cadence and the CO ring cadence is reversed each other.
161	8	WTU Auto Release Reserved	ON / OFF	OFF	If this value is set to ON, WTU is released automatically.
	9	ACD Print Enable	ON / OFF	OFF	If this value is set to ON, ACD Print is available.
	10	ACD Print Timer	001 – 255 (3 digits)	001	ACD database is printed per desired time interval.(10 sec or 1 hour based : PGM 161-FLEX 14)
	11	ACD clear Database after Print	ON / OFF	OFF	If this value is set to ON, ACD database is initialized after printed out.
	12	VMIB PROMPT GAIN	00 - 31	08	This value is gain of VMIB Announcement(Prompt). Whenever VMIB Announcement is played, this value is applied.
	13	CLI Information of VM SMDI	ON / OFF	OFF	If this value is set to ON, CLI is added when Voice Mail information is printed through RS232 port by SMDI.
	14	ACD Print Timer Unit	HOUR / SEC	SEC	This value determines the unit of ACD Print timer (PGM 161 - FLEX 10). (1 hour or 10 seconds)
	15	Set VM SMDI Type	Type II / Type I	Type I	This value sets VM SMDI type.

System Base Program					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
161	16	Incoming Toll Check	ON / OFF	OFF	If this value is set to ON, the system checks toll of incoming CO call.
	17	Auto FAX Transfer CO	1-36	-	The programmed CO line will be used for automatic FAX transfer.
	18	DSS Indication	Enable / Disable	Disable	If this value is set to ENABLE, LED indication of {CO} button or {DSS} button is blocked. (i.e. LED does not flash even if there is incoming call to the assigned CO Line or Station.) This feature is not applied for direct call such as DID/DISA.
	19	UK billing mode	ON/OFF	OFF	If this value is set to ON, UK Billing Mode is applied. (UK only)
	20	COS 7 when auth fail	ON / OFF	OFF	If this value is set to ON, station' COS will be changed to 7 when invalid authorization code is entered.
	21	5 Digits Authorization Code	ON / OFF	OFF	Authorization Code length type can be selected. OFF: 3-11 digits ON: 5 digits
	22	LCR Dial Tone Detect	ON / OFF	OFF	If this value is set to ON, SBX IP 320 system first checks if the CO provides dial tone in case if analog CO is seized for LCR dialing. If there is no dial tone, the call is rerouted to Alternate DMT Index. If LCR type is set to M13, LCR dial tone detect option is not applied.
162	-	ADMIN Password	4 Digits	-	ADMIN password can be assigned to enter ADMIN Programming mode for only Administrator who knows the ADMIN password. It is not assigned by default.
163	1	Alarm Enable	ON / OFF	OFF	If this value is set to ON, Alarm is available.
	2	Alarm Contact Type	Close / Open	CLOSE	-
	3	Alarm Mode	Alarm / Bell	ALARM	-
	4	Alarm Signal Mode	RPT / Once	RPT	If this value is set to REPEAT, the Alarm Signal is repeated until Alarm Reset.

System Base Program					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
164	1-5	Attendant Assignment	STA No.	1 : 10	Maximum 5 Attendants can be assigned including the Main Attendants and System Attendant. The system attendant is different from main attendant in aspect of the call handling and system management priority. The system attendant has more powerful priority than main attendant. The system and main attendants can be assigned to each 1 and maximum 4. So the sum of system and main attendants should be less than 5. As default, the System Attendant is assigned to Station 101, and others are not assigned.
165	-	Auto Attendant	-	-	User may set the number of the VMIB announcement for auto attendant.
	1	Auto Attendant Usage	ON / OFF	OFF	If this value is set to ON, Auto Attendant is activated.
	2	Auto Attendant VMIB Annc.#	00-70	00 (not_asgn)	This value is the number of VMIB announcement played when Auto Attendant is activated.
166	-	CO-to-CO COS	1-9	1	When an external user of DID/DISA/TIE line tries to access another CO Line in the system, CO-to-CO COS is applied. The attributes of CO-to-CO COS are the same as the station COS.
	1	Day COS	1-9	1	Class-of-Service of Day Mode
	2	Night/Weekend COS	1-9	1	Class-of-Service of Night / Weekend Mode

System Base Program					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
167	-	DID/DISA Destination	F1-F4	-	When there is a DID/DISA incoming call, if the destination is not answer / invalid / busy, the call is routed to Attendant / Hunt group / or the caller gets the proper tone. If Attendant is assigned for DID/DISA destination, first, the call will check ring assignment (PGM 144), if there exists ring assigned station the call is routed to that station. If there is not ring assigned station, then the call is routed to Attendant. If VMIB announcement usage is enabled, The proper announcement is presented to the caller before the call is routed. This destination is applied when DISA Retry Counter expired. If the destination is set to attendant, system checks if there's any ring assigned station and gives the ring to assigned station first. If the ring assigned station does not answer also, then the attendant receives the call.
	1	Busy Destination	F1-F3	F1	When there is a DID/DISA incoming call, and if the caller dialed busy destination, the call is routed to Busy Destination (Tone / Attendant / Hunt).
	2	Error Destination	F1-F3	F1	When there is a DID/DISA incoming call, and if the caller dialed invalid number, the call is routed to Error Destination (Tone / Attendant / Hunt)..

System Base Program					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
167	3	No Answer Destination	F1-F3	F1	When there is a DID/DISA incoming call, and the destination is not answer, the call is routed to No Answer Destination (Tone / Attendant / Hunt).
	4	VMIB PROMPT USAGE	F1-F5	F1	If the value is set to ON and VMIB is available, The proper VMIB announcement is presented to the caller before the call is routed to each Destination.
	-	Busy Prompt Usage	ON / OFF	ON	If the value is set to ON, Busy announcement is presented to the caller before the call is routed to Busy Destination.
	-	Error Prompt Usage	ON / OFF	ON	If the value is set to ON, Error announcement is presented to the caller before the call is routed to Error Destination.
	-	DND Prompt Usage	ON / OFF	ON	If the value is set to ON, Busy announcement is presented to the caller before the call is routed to Busy Destination when the original destination is in DND.
	-	No Ans Prompt Usage	ON / OFF	ON	If the value is set to ON, No Answer announcement is presented to the caller before the call is routed to No Answer Destination.
	-	Atd Transfer Prompt Usage	ON / OFF	ON	If the value is set to ON, Attendant Transfer announcement is presented to the caller before the call is routed to Attendant.
	5	Reroute Busy Destination	F1-F3	F1	When DID/DISA call is rerouted by no answer and routed destination is busy, this call is rerouted to destination by reroute busy destination (Tone/Attendant / Hunt).

System Base Program					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
167	6	Reroute Error Destination	F1-F3	F1	When DID/DISA call is rerouted by no answer and routed destination is error, this call is rerouted to destination by reroute busy destination (Tone/Attendant / Hunt).
	7	Reroute No Answer Destination	F1-F3	F1	When DID/DISA call is rerouted by no answer and routed destination does not answer, this call is rerouted to destination by reroute no answer destination (Tone/Attendant / Hunt).
168	1	First Contact	1-3	-	1: LBC (STA #) 2: Door 3: Ext. 1
	2	Second Contact	1-3	-	-
	3	Third Contact	1-3	-	-
	4	Forth Contact	1-3	-	-
169	1	LCD Time Display Mode	12H / 24H	12H	Two LCD Time formats are Ordinary (12-hour)/Military (24-hour) mode
	2	LCD Date Display Mode	MMDD / DDMM	DDMMYY	Two LCD date formats are Day/Month/Year (DDMMYY) or Month/Day/Year (MMDDYY) mode.
	3	LCD Language Display Mode	00-15	Defers from the Nation code(ADM 100)	The LCD language format can be selected.
170	-	Modem Associated Device	-	-	Modem service is available only when there's MODU on MPB.
	1	Station Number	100-147	STA 147	This value means the Modem-associated station. To use Modem line flexibly, associate one station with Modem. Then incoming CO Call is connected to Modem device if the station gets the call. The last station is assigned as Modem associated station.
	2	CO Number	01-36	-	If CO Line is associated with Modem, All of the incoming CO Call through this Line is connected to Modem. The Modem-associated CO Line cannot be used to outgoing CO Call.

System Base Program					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
171	1	BGM Type	0-8	1	-
	2	MOH Type	0-9	1	When a CO line call is placed in the hold state (system, exclusive, transfer, conference, etc) the external party will hear music. In this way, the CO line party can be notified that the connection is still established.
	3	ICM Box Music Channel	0-8	1	-
	4	Assign MOH via SLT	F1-F5	-	To assign SLT MOH, set this value and match the SLT station number of the SLT port.
	5	DIAL TONE SOURCE	0-5	0 (Not Assign)	To assign external dial tone, set the SLT station number of the SLT port.
	6	ICM RING BACK TONE	0-5	0 (Not Assign)	To assign external ICM ring back tone, set the SLT station number of the SLT port.
	7	DID CO RING BACK TONE	0-5	0(Not Assign)	To assign external DID ring back tone, set the SLT station number of the SLT port.
	8	INT MOH Type	0-12	0 (ROMANCE)	System provides 13 kinds of Internal MOH types. This is used as internal music source.
172	1 - 4	PBX Access Code	Max. 2 digits	-	Maximum 4 PABX Access Codes can be assigned. Each PABX Access Code is 1 or 2-digit number. By default, PABX Access Codes are not assigned at all.
173	-	PLA Priority Setting	-	-	PLA priority is set exclusively
	1	Transfer CO	1-4	1	-
	2	Recalling CO	1-4	2	-
	3	Incoming CO	1-4	3	-
	4	Queued CO	1-4	4	-

System Base Program					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
174	-	RS-232 PORT Setting	-	-	Baud Rate, CTS/RTS, P-Break, LPP can be assigned at this feature to COM1 port, COM2 – MODU port.
	1	BAUDRATE	0-7 (Note1)	19200	0: UNKNOWN 1: UNKNOWN 2: 1200 BAUD 3: 2400 BAUD 4: 4800 BAUD 5: 9600 BAUD 6: 19200 BAUD 7: 38400 BAUD
	2	CTS/RTS	ON / OFF	OFF	-
	3	P-BREAK	ON / OFF	OFF	-
	4	LPP	001-199	060	-
175	1	Off-line SMDR/Statistics Print	01-11	COM1(01):	Off-line SMDR data is printed through this port.
	2	ADMIN Data	-	-	When PGM 451 is used, the ADMIN data is printed through this port.
	3	Traffic Print	-	-	Traffic analysis data is printed through this port.
	4	SMDI Print	-	-	SMDI data is printed through this port.
	5	CALL Info Print	-	-	Call information data is printed through this port.
	6	On-line SMDR Print	-	-	On-line SMDR data is printed through this port.
	7	Trace Print	-	-	Trace data is printed through this port.
	8	Debug Print	-	-	Debug data is printed through this port.
	9	PC_ADM	-	AUTO SELECT	PC Admin is connected through this port.
	10	PC_ATD	-	NET_PCA TD	PC Admin is connected through this port.
	11	CTI	-	NET_CTI	CTI is connected through this port.
	12	REMOTE_DIAG	-	NET_REM OTE	Remote Diagnostic data is printed through this port. Not supported
176	-	Pulse Dial/Speed Ratio	66/33 60/40	66/33	pulse dial speed ratio is set only for 10 PPS.

System Base Program					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
177	-	SMDR Attributes	-	ALL	Station Message Detail Recording (SMDR) will provide details on both incoming and outgoing calls. As an assignable database option, If All Call record type is selected, incoming and outgoing local and long distance calls are all provided. If only Long Distance is selected, then only outgoing calls that meet the toll check status requirements listed below are provided.
	1	SMDR Save Enable	ON / OFF	OFF	If this value is set to ON, maximum 5000 of SMDR data can be recorded at system memory.
	2	SMDR Print Enable	ON / OFF	OFF	If this value is set to ON, SDMR data can be printed real time through the serial/MODEM/LAN port.
	3	SMDR Recording Call Type	LD / ALL Call	LD	If this value is set to LD, only long distance outgoing CO call is served SMDR. If this value is set to ALL, all outgoing CO call is served SMDR. The long distance call is defined that the call satisfy the condition of PGM 177 – FLEX 4, or PGM 177 – FLEX 14.
	4	SMDR Long Distance Call Digit Counter	07-15	07	The long distance call is defined that the call satisfy the condition of PGM 177 – FLEX 4, or PGM 177 – FLEX 14. If digit counters of the outgoing CO call are more than this value, it is considered as long distance call.
	5	Print Incoming Call	ON / OFF	OFF	If value is set to ON, all incoming calls are printed.
	6	Print Lost Call	ON / OFF	OFF	If value is set to ON, lost calls are printed The lost call is defined that the call is unanswered.

System Base Program					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
177	7	Records in Detail	ON / OFF	ON	Due to limited system memory size, in places where many calls take place, the SMDR record buffer can easily saturated. So, if the customer doesn't need the detailed call information but total call, total metering count and total cost for individual station, then it is possible to save only the total accumulation, rather than the whole detailed records. If this value is set to ON, not only total call, total metering count and total cost for individual station, but also the detail call records are saved maximum 5000. If this value is set to OFF, only total call, total metering count and total cost for individual station information are served.
	8	SMDR Dial Digit Hidden	0-9	0	If this value is set non-zero value, the printed digits from right or left will be replace to "*" symbol up to this value. The direction of right or left can be set at PGM 177 – FLEX button 13.
	9	SMDR Currency Unit	3 English Chars	-	For easy identification of call cost, the currency unit can be entered with 3 alphabet characters to be printed in front of call charge amount.
	10	SMDR Cost Per Unit Pulse	6 digits	-	This is the call cost unit per cost metering pulse, which is sent from the Central Office.
	11	SMDR Fraction	0-5	0	This value means the decimal position point of the cost per unit pulse
	12	SMDR Start Timer	0 – 250	0	If value is set to non-zero, only the outgoing CO call more than this value time is served SDMR.

System Base Program					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
177	13	SMDR Hidden Digit	Right/Left	Right	If value is set to RIGHT, SDMR digit hiding is executed the right-to-left direction. At this case, if dialed '1234567890', SDMR printed hidden digits are formatted '12345*****'. If this value is set to LEFT, SDMR digit hiding is executed to left-to-right direction. At this case, if dialed '1234567890', SDMR printed hidden digits are formatted '*****67890'.
	14	SMDR Long Distance Codes	Flex. FLEX 1-5	0	The long distance call is defined that the call satisfy the condition of PGM 177 – FLEX 4, or PGM 177 – FLEX 14. Max. 5 SMDR long distance codes are available. SMDR long distance code is 1 or 2 digit number. Default, SMDR long distance code is 0.
	15	MSN Print On SMDR	ON / OFF	OFF	If this value is set to ON, the MSN number is printed on SMDR output.
	16	PRINT CALLER NUMBER	ON / OFF	ON	If value is set to ON, the caller number is printed at incoming call SMDR.
	17	ICM SMDR Save	ON / OFF	OFF	If value is set to ON, ICM call data is stored in Off-line SMDR.
	18	ICM SMDR Save	ON / OFF	OFF	If value is set to ON, ICM call data is printed in On-line SMDR.
	19	SMDR Interface service	ON / OFF	OFF	If value is set to ON, SMDR format for CIS, INDIA, KOREA is serviced. If this value is set to ON, SMDR data is saved and sent when there's SMDR data request from application software. When using SMDR interface service, normal Off-line SMDR cannot be saved nor printed.
	20	I-SMDR connection (service) type	LAN / SIO	-	This program determines port to be used for printer when SMDR interface service is set. SMDR Interface is served through LAN or SIO.

System Base Program					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
178	1	System Time Setting	4 digits (hhmm)	-	Hour/Min in sequence (ex. In case 11:30, enter 1130)
	2	System Date Setting	6 digits (ddmmyy)	-	Month/Day/Year in sequence (ex., for 27/January/2008, enter 270108)
179	1	Review Linked Station Pairs	100 - 147	None	Review of the programmed linked station pairs can be accessed at flexible button 1 sub-menu. Registration and delete of the linked station pairs can be set at flexible button 2 sub-menu.
	2	Linked station pair delete	2 STA #	-	-

System Timer Program

System Timer Program					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
180	1	Attendant Recall Timer	00-60	01 (min)	If a recalled call arrives at an attendant station and the call is not answered, the system will disconnect the call. This ADMIN program sets the amount of time before system disconnects the call
	2	Call Park Recall Timer	000-600	120 (sec)	Setting the amount of time before a call placed in a call park location will recall at the station placing the park
	3	Camp-on Recall Timer	000-200	030 (sec)	When a station transfers to busy station by Camp-On, if the transferred-to station does not answer the call, the call will recall to the transferring station after the set time passes. This ADMIN program set the appropriate time.
	4	Exclusive Hold Recall Timer	000-300	060 (sec)	Select the amount of time before a call placed on system hold will recall the station placing the hold.

System Timer Program					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
180	5	I-Hold Recall Timer	000-300	030 (sec)	When a recalled call is not answered, the call will recall to attendant after setting time passes. Therefore This ADMIN program set the appropriate time. Select the amount of time before a call recalls the attendant
	6	Sys Hold Recall Timer	000-300	030 (sec)	Determines the amount of time before a call placed on system hold will recall the station placing the hold.
	7	Transfer Recall Timer	000-300	030 (sec)	Select the amount of time a transferred call will ring at the station receiving the transfer and how long it will recall the station transferring the call.
	8	ACNR Delay Timer	000-300	030 (sec)	When ACNR Pause Timer expires and there is no available CO Line in the group, ACNR trial is delayed for this timer.
	9	ACNR No Answer Timer	10-50	30 (sec)	This timer is invoked after system detects CO ring back tone from CO party. If the call isn't answered, the system will disconnect the call.
	10	ACNR Pause Timer	005-300	005 (sec)	When this timer is expired, ACNR is activated.
	11	ACNR Retry Counter	01-30	10	ACNR is executed up to this value. After trial of this retry counter, ACNR is canceled.
	12	ACNR No Tone Retry Counter	1-9	3	This ADMIN program can set the trial number of seizing the CO line for ACNR. If the CO line isn't seized, ACNR will be canceled.
	13	ACNR Tone Detect Timer	001-300	030 (sec)	This timer is invoked upon completion of dialing and system considers the CO party is busy when the CPTU cannot detect the valid tone type until this timer expires.
	14	Automatic CO Release Timer.	020-300	030 (sec)	Uncompleted CO line call will be automatically released after this timer.

System Timer Program					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
180	15	CCR Inter-Digit Timer	000-255	030 (100ms)	This timer is used for the CCR inter-digit timer in the DISA/DID CO line. In DID type 2, it is used for DID inter-digit timer.
	16	CO Call Drop Warning Timer	00-99	10 (sec)	If prepaid money is going to expire during a CO call, system will give warning tone, and after this time, the call will be disconnected. This timer is also used for call drop warning in Unsupervised Conference.
	17	RESERVED	-	-	-
	18	CO Dial Delay Timer	00-99	01 (100ms)	Voice connection to the outside party will be made after this timer. This can be used to prevent illegal dialing in case of slow response from the Central Office Line or PBX.
	19	CO Release Guard Timer	001-150	020 (100ms)	This ADMIN program sets the amount of time before a CO line can be re-seized, after the CO call disconnects, This timer controls the time necessary to guarantee idle loop state when the line is released.
181	20	CO Ring Off Timer	010-150	060 (100ms)	This timer is to secure time interval between incoming ringing signals so that the active ringing can be lasted in the system until this timer is expired.
	21	CO Ring On Timer	1-9	2 (100ms)	This timer controls the time necessary to detect an incoming CO call as ringing into the system.
	22	CO Warning Tone Timer	060-900	180 (sec)	Determines the amount of time before receiving warning tone in order to remind the call elapsed time in case of outgoing CO line conversation (Only for Korea).

System Timer Program					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
181	1	Call FWD No Answer Timer	000-255	015 (sec)	This timer is used at the no answer call forward feature(Section 2.3.1.2, and 2.3.1.3). If station is set the no answer call forward type, and if station don't answer during this timer, then the call will be routed to the forward destination.
	2	DID/DISA No Answer Timer	00-99	00 (sec)	This timer is used at DID or DISA call routing. If station doesn't answer about DID/DISA call during this timer, the call will be routed to PGM 167 – FLEX 3 value.
	3	VMIB User Record Timer	010-255	020 (sec)	This is the maximum time that station user can record his VMIB announcement.
	4	VMIB Valid User Message Timer	0-9	4 (sec)	This is the minimum time that station user must record his VMIB announcement. If this value is set to 0, VMIB announcement can not be recorded.
	5	Door Open Timer	05-99	20 (100ms)	Select the length of time that is needed to execute the door open relay for the setting time.
	6	ICM Box Timer	00-60	30 (sec)	Select the ringing time of the ICM box associated stations, when ICM box user press [CALL] button.
	7	ICM Dial Tone Timer	01-20	10 (sec)	This timer is used when the off-hooked station is heard the intercom dial tone. If station doesn't dial a digit within this timer, error tone is provided.
	8	Inter Digit Timer	01-20	05 (sec)	This timer is used when station is dialing some digits. The time between digits cannot exceed Inter-digit timer, or error tone is provided.
	9	MSG Wait Reminder Tone Timer	00- 60	00 (min)	Select the amount of time between repeated reminder tones to station that it has a message waiting.

System Timer Program					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
181	10	Paging Timeout Timer	000-255	000 (sec)	Select the maximum time of a page. The system will automatically disconnect the page at the end of this time unless the caller has hung up earlier.
	11	Pause Timer	1-9	3 (sec)	This timer is used at the speed dialing feature, LNR, and etc. In case of the speed dial or LNR, SBX IP 320 system sends the dial digits to the outgoing CO line, after this time.
	12	Preset Call Forward Timer	00-99	10 (sec)	This timer is used at the preset call forward feature(Section 2.3.1.9). After this timer expires, incoming call will be forwarded to a predetermined station.
	13	SLT DTMF Release Timer	00-20	00 (sec)	DTMF RCVR will be released after this timer when SLT makes a outgoing CO call.
	14	3 soft auto release timer	01-30	05 (sec)	This timer is used only in 3 soft Btn DKTU(7224D). In 3 soft menu, if there is no any digit within time, the DKTU turn to Idle state.
	15	VM pause timer	01-90	30 (100ms)	In-band digit stream is sent to external VM after this timer.
	16	Transit Connect Tmr	1-30	04	Master sends the connect message to slave system after this timer when the transit out CO type is a pulse analog trunk.
	17	VMIB msg Fwd/Rew(sec)	1-99	05	VMIB message is rewound as this timer.
	18	LCO Connect Timer	0-20	0 (sec)	If this timer expires after starting outgoing dial, the system regards that line as connected. So if there is any extra digits after this timer expires, the Pause is automatically added before the first added digit (CIS only).

System Timer Program					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
181	19	LCO CPT Detect Timer	0-20	5 (sec)	To check LCO status after LCO is connected, system assigns CPT periodically with this timer. To activate this, CO – CO XFER CPT detect (PGM160 – F16) should be set to ON.
	20	Forward To VMIB Timer	20-60	30 (sec)	If Auto Fwd To VMIB feature (PGM 113-114) is set to a station, the call is automatically forwarded to VMIB after this timer expired, so the caller can leave a voice message.
182	1	SLT Hook Switch Bounce Timer	0125	01 (100ms)	This timer is used at SLT only. Select the length of time that is needed to regard as a valid on-hook or off-hook (for SLT).
	2	SLT Maximum Hook Flash Timer	001-250	06 (10ms)	This timer is used at SLT only. Select how long the user could press the hook switch in order for it to be considered a FLASH (Timed-Break Recall) (for SLT).
	3	SLT Minimum Hook Flash Timer	000-250	020 (100ms)	This timer is used at SLT only. The minimum bound time that system considers as hook flash for SLT.
	4	SLT Ring Phase Timer	2-5	4 (sec)	Select the ring phase(cadency) of SLT. (5 SEC: 1 SEC ON / 4 SEC OFF)
	5	Station Auto Release Timer	020-300	060 (sec)	If a station hears ring back tone and no action is taken, this timer is assigned. When this timer is expired, the station is released.
	6	Unsupervised Conference Timer	00-99	10 (min)	Select the amount of the time that an unsupervised conference can continue after the initiator of the conference has exited the conference.
	7	Wake-Up Fail Ring Timer	00-99	20 (sec)	After a Wake-up fail ring invokes on system attendant, the alarm ring exists during this timer. If this timer expires, the alarm ring will be disappeared.

System Timer Program					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
182	8	Warm Line Timer	01-20	05 (sec)	User takes no action after lifting handset or pressing the [SPEAKER] button and this timer is expired, then idle line selection for warm line is executed.
	9	Wink Timer	010-200	010 (10ms)	The time duration of seize acknowledge signal to DID line.
	10	Enblock Digit timer RESERVED	01-20	15 (sec)	This timer is used at the enblock dialing sending feature. If station user makes a call at the enblock dialing mode, and if station user does not dial within this time, then the enblock dialing is executed.
	11	CCR Time Out Timer	000-300	015 (sec)	When this timer is expired, CCR is activated.
	12	DID Inter Digit Timer	01-20	03 (sec)	This timer is used at DID type 2 feature. In DID type2, SBX IP 320 system will be wait the new DID digit receiving until this timer is expired. If this timer is expired, the call routing of DID type 2 is executed.
	13	FAX Tone Detect Timer	01-10	05 (sec)	FAX tone detection is tried until this timer expires.
	14	FAX CO Call Timer	1-5	1 (min)	This timer sets the maximum call duration of a FAX call.
183	-	In Room Indication	-	-	-
	1	In Room Ind Supervisor	Station	-	Supervisor Activates In-Room Indication button
	2	In Room Ind Member	Station	-	Members can check if In-Room Ind button is On or OFF.
184	-	Chime Bell Attribute	-	-	-
	1	Chime Bell Pair	Station Pair	-	If Master station presses Chime Bell button, slave station receives the ring.
	2	Chime Bell Relay	4	-	If Chime Bell Relay is set, LBC is activated when slave gets Chime Bell Ring.

System Timer Program					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
184	3	Chime Bell Timer	1-20	-	Chime Bell Ring stops when this timer expires.
	4	Chime Bell Frequency	F1-F2	-	Chime Bell Frequency can be adjusted.

DCOB Attribute

DCOB Attribute					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
186	-	DCOB System Attributes	-	-	-
	1	DCOB CO Type	-	-	This ADMIN program is moved to PGM 187 – FLEX button 4.
	2	Metering Type	0-1	0	Select DCO call metering signal type.
	3	R2 OUT Manage Timer	01-50	14	In R2-DCO signaling, maximum time for waiting for forward signal from PX (1 sec)
	4	R2 IN Manage Timer	01-50	14	In R2 signaling, maximum time for waiting for forward signal from PX (1 sec)
	5	R2 Disappear Timer	01-50	14	1 sec
	6	R2 Pulse Timer	01-30	7	In R2 signaling, time duration to send pulse typed R2 signal (20 msec)
	7	R2 Ready Timer	000-500	7	20mesc
	8	Dial Tone Delay Timer	01-30	20	-
	9	Line Status	1-9	6	Free Line
	10	Calling Category	1-9	1	User no priority
	11	ANI Request	ON / OFF	OFF	Select the caller ID service enable.
	12	CLI Digit Num	01-10	4	Reserved
	13	R2 Out Digit Timer	01-50	5	If outgoing dial is not performed within this timer, the R2 outgoing call is failed.

DCOB Attribute					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
186	14	R2 Error Prompt Usage	ON / OFF	OFF	If R2 outgoing call is made and the error signal is received, then the caller hear the error announce via VMIB.
	15	R2 Busy Prompt Usage	ON / OFF	OFF	If R2 outgoing call is made and the busy signal is received, then the caller hear the busy announce via VMIB.
	16	R2 Announce Prompt Usage	ON / OFF	OFF	If R2 outgoing call is made and the announcement signal is received, then the caller hears the error announce via VMIB.
	20	DCO Gain	1~63	-	-
187	-	DCOB CO Line Attributes	CO Line range	-	-
	1	IN Digit Type	0-2	2	Select the incoming digit information signaling type of DCO.
	2	OUT Digit Type	0-2	2	Select the outgoing digit information signaling type of DCO.
	3	CLI Digit Num	01-15	10	Set the digit numbers received for CLI
	4	DCOB CO Type	0-2	2	Select DCO CO line service type. According to the country, DCO CO service type is different.

Station Group Assignment

Station Group Assignment					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
190	-	Station Group Number	STA Grp #	-	-
	1	Group Type	0-6	0	Hunt Group type can be selected among Circular/Terminal/UCD/Ring/VM/Pick-up/ Networking VM.
	2	Pick-up Attribute	ON/OFF	OFF	This value is used to assign the Pick-up attribute at Hunt Group. Except Pick-up Hunt group, all Hunt Group can be assigned the Pick-up attribute optionally.
	3	Member Assignment	Not Assigned	-	This process can be executed in two ways. The first way is assigning individually by pressing the Flexible Button which user wants to assign and then entering the station number. The other way is assigning successively by entering first station number and last station number.

Station Group Program

Station Group Program						
PGM	ITEM	FLEX	SUB-ITEM	RANGE	DEFAULT	COMMENTS
191	Circular Group/ Terminal Group	1	VMIB Announce 1 Timer	000-999	015 (sec)	If the call does not answer during this timer, the system plays VMIB announcement that is programmed at PGM 191-FLEX 3.
		2	VMIB Announce 2 Timer	000-999	000 (sec)	The 2nd VMIB announcement can be played if the call continues to wait beyond the 2nd announcement timer. The played VMIB announcement can be programmed at PGM 191-FLEX 4.

Station Group Program						
PGM	ITEM	FLEX	SUB-ITEM	RANGE	DEFAULT	COMMENTS
191	Circular Group/ Terminal Group	3	VMIB Announce 1 Location	00-70	00 (Not Assigned)	This is used to play VMIB announcement, when the VMIB Announce 1 Timer is expired.
		4	VMIB Announce 2 Location	00-70	00 (Not Assigned)	This is used to play VMIB announcement, when the VMIB Announce 2 timer is expired. This second VMIB announcement can be played repeat, according to PGM 191-FLEX 5 and 6 value.
		5	VMIB Announce 2 Repeat Timer	000-999	000 (sec)	This is used to repeat VMIB announce 2 when the timer is expired. (000: Not assigned).
		6	VMIB Announce 2 Repeat E/D	ON / OFF	OFF	This value is used to enable or disable VMIB Announce 2 Repeat.
		7	Overflow Destination	STA #/ HUNT#/ VMIB #/ SYS SPD#	-	The call to a station in the group will continue to route until answered or each station in the group has been tried. The call will remain at the last station in the group or will be passed to this overflow station/group/ VMIB/System Speed bin, after overflow timer expiring. The overflow timer can be set at PGM 191-FLEX 8.
		8	Overflow Timer	000-600	180 (sec)	If this timer expires after a call is received in the group, the call is routed to the overflow destination. The overflow destination can be set at PGM 191-FLEX 7.
		9	Wrap-up Timer	002-999	002 (sec)	A station in a Hunt Group is maintained in a busy state during this timer value, after the end of received call and outgoing call for the assigned wrap-up time.

Station Group Program						
PGM	ITEM	FLEX	SUB-ITEM	RANGE	DEFAULT	COMMENTS
191	Circular Group/ Terminal Group	10	No Answer Timer	00-99	15 (sec)	In Circular/Terminal Hunt, if the incoming call is not answered during this time, the call is routed to the next idle station in the group.
		11	Pilot Hunt	ON / OFF	ON	If this value is set ON, the call to the each hunt group member is processed as the call to hunt group. A Circular/Terminal Hunt Group can be assigned with a pilot number (the station group) so that only calls to the pilot number will hunt.
		12	Alt If No Member	ON / OFF	OFF	If there is no member on duty, intercom call will be dropped and CO incoming call will be routed to overflow destination, or to ring assigned station if overflow destination is not assigned.
		13	Music Source	0 - 9	00 (Not Assigned)	If music source is assigned, calling user will be heard music instead of ring back tone.
		14	Alternate Destination	Station/ Hunt Grp	-	When a call is received in the group and there is no available station in the group, then the call will be routed to this destination if assigned
		15	Max Queue Call Count	00-99	99	This value is the maximum call count that can be queued. If the total queued call count is this value, the next queuing tried call will be disconnected.
		16	Hunt Member Forward	ON/OFF	OFF	OFF is receive Hunt Call, ON is not receive Hunt Call.
		17	Queue Count Display	ON/OFF	ON	If this value is set to ON, Hunt member can check the Queue Count.

Station Group Program						
PGM	ITEM	FLEX	SUB-ITEM	RANGE	DEFAULT	COMMENTS
191	UCD Group	1	VMIB Announce 1 Timer	000-999	015 (sec)	If the call doesn't answered during this timer, the system plays VMIB announcement that is programmed at PGM 191-FLEX 3.
		2	VMIB Announce 2 Timer	000-999	000 (sec)	The second VMIB announcement can be played if the call continues to wait beyond the 2nd announcement timer. The played VMIB announcement can be programmed at PGM 191 – FLEX 4.
		3	VMIB Announce Location 1	00-70	00 (Not Assigned)	This is used to play VMIB announcement, when the VMIB announce 1 timer is expired.
		4	VMIB Announce Location 2	00-70	00 (Not Assigned)	This is used to play VMIB announcement, when the VMIB announce 2 timers is expired. This second VMIB announcement can be played repeat, according to PGM 191 – FLEX 5 and 6 value.
		5	VMIB Announce 2 Repeat	000-999	000 (sec)	This is used to repeat VMIB announce 2 when the timer is expired. (000: Not repeat).
		6	VMIB Announce 2 Repeat E/D	ON / OFF	OFF	This value is used to enable or disable VMIB Announce 2 Repeat.
		7	Overflow Destination	STA #/ HUNT#/ VMIB#/ SYS SPD#	-	The call to a station in the group will continue to route until answered or each station in the group has been tried. The call will remain at the last station in the group or will be passed to this overflow station/group/ VMIB/System Speed bin, after overflow timer expiring. The overflow timer can be set at PGM 191-FLEX 8.

Station Group Program						
PGM	ITEM	FLEX	SUB-ITEM	RANGE	DEFAULT	COMMENTS
191	UCD Group	8	Overflow Timer	000-600	180 (sec)	If this timer expires after a call is received in the group, the call is routed to the overflow destination. The overflow destination can be set at PGM 191-FLEX 7.
		9	Wrap Up Timer	002-999	002 (sec)	A station in a hunt group is maintained in a busy state during this timer value, after the end of received call and outgoing call for the assigned wrap-up time.
		10	Alt If No Member	ON / OFF	OFF	If there is no member on duty, intercom call will be dropped and CO incoming call will be routed to overflow destination, or to ring assigned station if overflow destination is not assigned.
		11	Music Source	0-9	00	If music source is assigned, calling user will be heard music instead of ring back tone.
		12	ACD Warning Tone	ON / OFF	ON	When a call is received in the group and there is no available station in the group, then the call will be routed to this destination if assigned.
		13	Alternate Destination	STA No / HUNT #	-	When a call is received in the group and there is no available station in the group, then the call will be routed to this destination if assigned. But it must be avoided to program the alternate destination as the hunt group itself. For example, the alternate destination of group 620 should not be group 620.

Station Group Program						
PGM	ITEM	FLEX	SUB-ITEM	RANGE	DEFAULT	COMMENTS
191	UCD Group	14	Supervisor Timer	000-999	030 (sec)	If there is no idle member at hunt group, the incoming call will be queued. If the total queued call count is more than the supervisor call count value, and ACD queued call ADMIN program value is set to ON, and the queued time is longer than this timer, then the counts of queued calls will be displayed onto supervisor's LCD. The supervisor call count can be programmed at PGM 191-FLEX 15. The ACD queued call can be programmed at PGM 191-FLEX 16.
		15	Supervisor Call Count	00-99	00	If the number of queued calls is more than this call count, the supervisor timer will be started. The supervisor timer can be programmed at PGM 191-FLEX 14.
		16	ACD Queued Call	ON / OFF	OFF	If this value is set to ON, the count of queued call can be displayed on supervisor station LCD.
		17	MAX Queue Call Count	00-99	99	This value is the maximum call count that can be queued. If the total queued call count is this value, the next queuing tried call will be disconnected.
		18	Supervisor	STA #	-	This value is used to set the supervisor station.
		19	UCD Hunt Stations' Priority	0-9	0	This value is used to set UCD group member's priority. The value of 0 is the highest priority, and the value of 9 is the lowest priority. If the station has high priority, it takes more priority to receive the incoming call.

Station Group Program						
PGM	ITEM	FLEX	SUB-ITEM	RANGE	DEFAULT	COMMENTS
191	UCD Group	20	Hunt Member Forward	ON/OFF	OFF	OFF is receive Hunt Call, ON is not receive Hunt Call.
		21	UCD DND Timer	00-60	00 (sec)	If this timer set to 00 sec, this timer is not operated. If this timer is set to 10, after 10 sec ringing UCD member is automatically UCD DND state.
191	Ring Group	1	VMIB Announce 1 Timer	000-999	015 (sec)	If the call doesn't answered during this timer, the system plays VMIB announcement that is programmed at PGM 191-FLEX 3.
		2	VMIB Announce 2 Timer	000-999	000 (sec)	The second VMIB announcement can be played if the call continues to wait beyond the 2nd announcement timer. The played VMIB announcement can be programmed at PGM 191-FLEX 4.
		3	VMIB Announce 1 Location	00-07	00 (Not Assigned)	This is used to play VMIB announcement, when the VMIB announce 1 timer is expired.
		4	VMIB Announce 2 Location	00-07	00 (Not Assigned)	This is used to play VMIB announcement, when the VMIB announce 2 timers is expired. This second VMIB announcement can be played repeat, according to PGM 191-FLEX 5 and 6 value.
		5	VMIB Announce 2 Repeat Timer	000-999	000 (sec)	This is used to repeat VMIB announce 2 when the timer is expired. (000: Not repeat).
		6	VMIB Announce 2 Repeat E/D	ON / OFF	OFF	This value is used to enable or disable VMIB Announce 2 Repeat.

Station Group Program						
PGM	ITEM	FLEX	SUB-ITEM	RANGE	DEFAULT	COMMENTS
191	Ring Group	7	Overflow Destination	STA #/ HUNT#/ VMIB #/ SYS SPD#	-	The call to a station in the group will continue to route until answered or each station in the group has been tried. The call will remain at the last station in the group or will be passed to this overflow station/group/ VMIB/System Speed bin, after overflow timer expiring. The overflow timer can be set at PGM 191- FLEX 8.
		8	Overflow Timer	000-600	180 (sec)	If this timer expires after a call is received in the group, the call is routed to the overflow destination. The overflow destination can be set at PGM 191-FLEX 7.
		9	Wrap Up Timer	002-999	002 (sec)	A station in a hunt group is maintained in a busy state during this timer value, after the end of received call and outgoing call for the assigned wrap-up time.
		10	Music Source	0 - 8	00	If music source is assigned, calling user will be heard music instead of ring back tone.
		11	Max. Queued Call Count	00-99	99	This value is the maximum call count that can be queued. If the total queued call count is this value, the next queuing tried call will be disconnected.
		12	Supervisor	STA #	-	This value is used to set the supervisor station.
		13	Hunt Member Forward	ON/OFF	OFF	OFF is receive Hunt Call, ON is not receive Hunt Call.
		14	Queue Count Display	ON/OFF	ON	If this value is set to ON, Hunt member can check the Queue Count.

Station Group Program						
PGM	ITEM	FLEX	SUB-ITEM	RANGE	DEFAULT	COMMENTS
191	VM Group	1	Wrap-up Timer	002-999	002 (sec)	A station in a hunt group is maintained in a busy state during this timer value, after the end of received call and outgoing call for the assigned wrap-up time.
		2	Put Mail Index	1-4	1	This index is one of the voice mail dialing tables
		3	Get Mail Index	1-4	2	This index is one of the voice mail dialing tables
		4	Hunt Type	Cir/Term	Term	This value is used to set the hunt type of the VM member.
		5	SMDI Port	-	-	Need not to be programmed
		6	Overflow Timer	000-600	180 (sec)	If this timer expires after a call is received in the group, the call is routed to the overflow destination. The overflow destination can be set at PGM 191-FLEX 7.
		7	Overflow Destination	STA #/ HUNT#/ VMIB #/ SYS SPD#	-	The call to a station in the group will continue to route until answered or each station in the group has been tried. The call will remain at the last station in the group or will be passed to this overflow station/group/ VMIB/System Speed bin, after overflow timer expiring. The overflow timer can be set at PGM 191-FLEX 6.

Station Group Program						
PGM	ITEM	FLEX	SUB-ITEM	RANGE	DEFAULT	COMMENTS
191	Pick-up Group	1	Auto Pick-up	ON / OFF	OFF	If this value is set to ON, and if there is ringing hunt member, other hunt member can pickup the call automatically only by pressing [SPEAKER] button or off-hook.
		2	All Group Member Ringing	ON / OFF	OFF	If this value is set to ON, and if a hunt group member receives an intercom call, then all hunt group member is ringing. To set this value, 'Auto Pickup' ADMIN program value must be set to ON.

ISDN Attributes

ISDN Attributes					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
200	1	Advice of Charge Not used at SBX IP 320	0-6	0	The AOC is the call cost information service that is provided by public ISDN. According to the country, the standard of AOC type is different. This value is used to set AOC type
	2	CO ATD Code	Max. 2 digits	-	This value is used when ISDN DID call incoming and outgoing case. If the received DID digit is matched this value, then the call is routed to attendant station. If PGM 114-FLEX 5 is set to CO ATD, and the station is make an outgoing CO call, then this value is used as the outgoing station's CLI data.
	3	Reserved	-	-	Moved to PGM 146
	4	Reserved	-	-	Moved to PGM 146
	5	Reserved	-	-	Moved to PGM 146
	6	CLI Print Not used at SBX IP 320	ON / OFF	OFF	This value is used to execute the CLI print about the incoming CO call. If this value is set to ON, the CLI of the incoming CO call will be sent to serial/MODEM/LAN port.
	7	International Access Code Not used at SBX IP 320	Max. 4 digits	-	This value is used to modify the received CLI of the international incoming CO call. If this value is set, and if station receives the international incoming CO call, then this value is inserted in front of the CLI.
	8	Reserved	-	-	Moved to PGM 146
	9	My Area Code	Max. 6 digits	-	This value is used to set the my area code. The combination of this value and PGM 200-FLEX 10 is compared with the received CLI, and the received CO call can be judged the local call or the long distance call. This value is also used the outgoing CLI data, when station makes an outgoing CO call.

ISDN Attributes					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
200	10	My Area Prefix Code	Max. 4 digits	-	This value is used to set the my area prefix code. (Normally zero value) The combination of this value and PGM 200-FLEX 9 is compared with the received CLI, and the received CO call can be judged the local call or the long distance call. This value is also used the outgoing CLI data, when station makes an outgoing CO call.
	11	Maintain DID Name Not used at SBX IP 320	ON / OFF	OFF	This value is used at the CLI display of incoming DID CO call. If the incoming DID call has CLI, it is displayed on station LCD only ringing time. If this value is set to ON, CLI display is maintained when the call is answered.
	12	PC Application Destination Station Not used at SBX IP 320	-	STN 100	This value is used the valid destination station about PC application connection request.
201	-	COLP Table	Max. 10 digits	-	COLP Table is used when making the outgoing CLI. At this ADMIN program, the maximum 50 CLI data can be programmed. And this value is used at PGM 143-FLEX 1 and 2.

LCR Table Assignment

LCR Table Assignment					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
220	1	LCR Access Mode	M00/M01/M02/M11/M12/M13	Disable (M00)	This value is used to select LCR access mode.
	2	Set Day of Week Zone	-	1234567	Each day can use different LCR setting. At this ADMIN program, each day can be grouped up to 3 zone.
		MON	1-3	1	-
		TUE	1-3	1	-
		WED	1-3	1	-
		THUR	1-3	1	-
		FRI	1-3	1	-
		SAT	1-3	1	-
		SUN	1-3	1	-
	3	Set Time Zone of Day Zone 1	-	-	-
		Time Zone1	00 – 24	0024	Each time of day zone1 can use different LCR setting. At this ADMIN program, each time of day zone1 can be grouped up to 3 zone.
		Time Zone2	00 – 24	-	Each time of day zone2 can use different LCR setting. At this ADMIN program, each time of day zone2 can be grouped up to 3 zone.
		Time Zone3	00-24	-	Each time of day zone3 can use different LCR setting. At this ADMIN program, each time of day zone3 can be grouped up to 3 zone.

LCR Table Assignment					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
220	4	Set Time Zone of Day Zone 2	00-24	-	-
		Time Zone1	00-24	0024	Each time of day zone1 can use different LCR setting. At this ADMIN program, each time of day zone1 can be grouped up to 3 zone.
		Time Zone2	00-24	-	Each time of day zone2 can use different LCR setting. At this ADMIN program, each time of day zone2 can be grouped up to 3 zone.
		Time Zone3	00-24	-	Each time of day zone3 can use different LCR setting. At this ADMIN program, each time of day zone3 can be grouped up to 3 zone.
	5	Set Time Zone of Day Zone 3	-	-	-
		Time Zone1	00-24	0024	Each time of day zone1 can use different LCR setting. At this ADMIN program, each time of day zone1 can be grouped up to 3 zone.
		Time Zone2	00-24	-	Each time of day zone2 can use different LCR setting. At this ADMIN program, each time of day zone2 can be grouped up to 3 zone.
		Time Zone3	00-24	-	Each time of day zone3 can use different LCR setting. At this ADMIN program, each time of day zone3 can be grouped up to 3 zone.
221	-	Leading Digit Table	000-249	-	-
	1	LCR Type	1 – 3	3	This value is used to select the LCR type.
	2	LCR Code (leading digit)	Max. 12 digits	-	If digits that is dialed by user are equal to this value, the digits is converted and CO line is seized according to DMT(PGM 222).

LCR Table Assignment					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
221	3	Day Zone 1 DMT	6 digits	-	This value is used to set the table index DMT(PGM 222) of the day zone 1. Because day zone 1 has 3 different time zone, three table index of each time must be selected.
	4	Day Zone 2 DMT	6 digits	-	This value is used to set the table index DMT(PGM 222) of the day zone 2. Because day zone 2 has 3 different time zone, three table index of each time must be selected.
	5	Day Zone 3 DMT	6 digits	-	This value is used to set the table index DMT (PGM 222) of the day zone 2. Because day zone 2 has 3 different time zone, three table index of each time must be selected.
	6	Check password	ON/OFF	OFF	If this value is set to ON, SBX IP 320 system request the account code of user, when dialed digit is matched LCR code.
222	-	Digit Modification Table	00-99	-	-
	1	Added Digit	Max. 20 digits	-	This value is used to add some digit stream at user dialed digits. This value is added at the position of ‘Add Position’(PGM 222-FLEX 4).
	2	Removal Position	1-12	1	This value is used to set the removal position at user dialed digits. Some digits are removed from the this position up to ‘Remove Number’ (PGM 222-FLEX 3).
	3	Number Of Remove	01-12	00	This value is used to set the remove digit count at user dialed digits. Some digits are removed as much as this value from the position of ‘Removal Position’ (PGM 222-FLEX 2).
	4	Add Position	1-13	1	This value is used to set the add position at user dialed digits. Some digits are added from this position with ‘Add Digit Stream’ (PGM 222-FLEX 1).

LCR Table Assignment					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
222	5	CO Line Group	1-24	1	This value is used when LCR call seize the outgoing CO line. The idle CO line within CO Line Group of this value is seized for LCR call..
	6	Alternative DMT Index	00 – 99	-	This value is used when LCR call can't seize the idle CO line within PGM 222-FLEX 5. If LCR call can't seize the idle CO line within LCR CO Line Group, LCR call seize the idle CO within CO Line Group of this value DMT index.
223	-	LCR Table Initialization	-	-	This ADMIN program changes all LCR ADMIN table entry value to new value.
	1	DMT Of Day_zone_1	6 digits	-	This ADMIN program changes the index of DMT value of day zone 1 to new value.
	2	DMT Of Day_zone_2	6 digits	-	This ADMIN program changes the index of DMT value of day zone 2 to new value.
	3	DMT Of Day_zone_3	6 digits	-	This ADMIN program changes the index of DMT value of day zone 3 to new value.
	4	CO Grp Init	1-24	-	This ADMIN program changes the all CO Line Group values of DMT entry to new value.
	5	Alt Index Init	0 - 99	-	This ADMIN program changes the 'Alternative DMT Index' values of DMT entry to new value.
	6	Init All LCR	-	-	This ADMIN program initializes all LCR ADMIN data to default value.

Toll Table Assignment

Toll Table Assignment					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
224	-	Toll Table	-	-	-
	1	Allow Table A (01-30)	Max 14 digits	-	This ADMIN value is used to check, whether the dialed digit by COS 2 and COS 4 station is matched with the allowed toll pass digits or not. Allow table A is only used when the COS of dialed station is COS 2 or 4.
	2	Deny Table A (01-30)	Max 14 digits	-	This ADMIN value is used to check, whether the dialed digit by COS 2 and COS 4 station is matched with the denied toll pass digits or not. Deny table A is only used when the COS of dialed station is COS 2 or 4.
	3	Allow Table B (01-30)	Max 14 digits	-	This ADMIN value is used to check, whether the dialed digit by COS 3 and COS 4 station is matched with the allowed toll pass digits or not. Allow table B is only used when the COS of dialed station is COS 3 or 4.
	4	Deny Table B (01-30)	Max 14 digits	-	This ADMIN value is used to check, whether the dialed digit by COS 3 and COS 4 station is matched with the denied toll pass digits or not. Deny table B is only used when the COS of dialed station is COS 3 or 4.
	5	Allow Table C (01-50)	Max 14 digits	-	This ADMIN value is used to check, whether the dialed digit by COS 8 station is matched with the allowed toll pass digits or not.
	6	Deny Table C (01-50)	Max 14 digits	-	This ADMIN value is used to check, whether the dialed digit by COS 8 station is matched with the allowed toll pass digits or not.

Toll Table Assignment					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
224	7	Allow Table D (01-50)	Max 14 digits	-	This ADMIN value is used to check, whether the dialed digit by COS 9 station is matched with the allowed toll pass digits or not.
	8	Deny Table D (01-50)	Max 14 digits	-	This ADMIN value is used to check, whether the dialed digit by COS 9 station is matched with the allowed toll pass digits or not.
225	-	Canned Toll Table	-	-	-
	1	Allow Table (01-20)	Max. 14 digits	-	This ADMIN value is used to check, whether the dialed digit by COS 5 and COS 6 station is matched with the allowed toll pass digits or not. Allow table of canned toll is only used when the COS of dialed station is COS 5 or 6.
	2	Deny Table (01-20)	Max. 14 digits	-	This ADMIN value is used to check, whether the dialed digit by COS 5 and COS 6 station is matched with the denied toll pass digits or not. Deny table of canned toll is only used when the COS of dialed station is COS 5 or 6
226		Emergency service call (01-10)	Max. 14 digits	-	Maximum of 10 emergency codes can be programmed.

Other Tables

Other Tables					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
204	-	Local Code	Entry No. (01-16) Max. 5 digits	-	The local call is defined that the telephone number is matched with PGM 204. If telephone number matches this table, the SMDR is printed as local call. Max. 16 SMDR local codes are available. SMDR long distance code can be up to 5 digits. By default, SMDR long distance code is none.
227	-	Author Code Table	001 - 200	-	Authorization code table entries consist of each station password and extra account codes. The table entries from 001 to the maximum capacity of station numbers are saved the password of each station. And the remains are the extra entries. CO Line Groups can be marked to deny access until a matched Authorization code is entered. In this case, DND warning tone is provided when the CO Line Group access code is dialed. If the dialed Authorization code is verified, you will hear CO dial tone. Otherwise, you will hear error tone and cannot access the group. Stations or ADMIN programming can enter the authorization codes. Authorization code is flexible from 3-11 digits. Administrator can see and change station's password. There can be no duplicate entries. By default, Authorization Codes are not assigned.
	-	Table entry (001-200)	Max. 5 digits OR 3-11 digits	-	-
	-	Day COS	1-9	-	-
	-	Night COS	1-9	-	-

Other Tables					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
228	-	CCR Table	1-70	-	-
	1	Station	STA #	-	If CCR destination type is the STATION, the call is ringing at station of this value.
	2	Hunt Group	HUNT #	-	If CCR destination type is the HUNT GROUP, the call is ringing at member station of this value hunt group.

PSTN SMS Attribute

PSTN SMS Attribute					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
291	-	SMS Settings	-	-	-
	1	SMS Center Number	Max. 8 digits	-	-
	2	SMS Center CLI	Max. 8 digits	-	-
292	-	SMS CO Attributes	CO Range	-	Assign stations which will receive an incoming Short Message.
	1	SMS Receive Station	Station Range + ON / OFF	-	Display which stations are assigned to receive an incoming Short Message.
	2	Display SMS Receive Station	-	-	If a CO line is set to ‘SMS Outgoing CO’, we use this CO line when submit Short Message.
	3	SMS Outgoing CO	ON / OFF	OFF	This feature is used when CID function is not available for a CO line. If this field is set, incoming call is unconditionally answered and system decides whether it is SMS call or not.
	4	Non-CID SMS	ON / OFF	OFF	-

Networking Attribute

Networking Attribute					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
320	-	Networking Basic Attributes	F1-F7	-	-
	1	Networking Enable	ON / OFF	OFF	This ADMIN program value is used to enable the networking feature. To set this ADMIN value to ON, the networking software lock-key must be installed at SBX IP 320 system. If station user enter the software lock-key check dialing command '[TRANS/PGM] + 78', then the installed software lock-key is displayed on station LCD.
	2	Networking Retry Count	00 – 99	00	This ADMIN value is used to retry the connection when SBX IP 320 system detect the error during networking connection signaling. This value is only used when the networking feature is executed through the public switching network. This value is not used at the networking feature between direct connected SBX IP 320 systems.
	3	Networking CNIP Enable	ON / OFF	ON	The name of calling station is sent to the called system between SBX IP 320 systems. CNIP is displayed on called party station LCD according to ADMIN programming. If the CNIP and CLI are received together, CNIP is prior to CLI.
	4	Networking CONP Enable	ON / OFF	OFF	The name of answered station is sent to the calling system between SBX IP 320 systems. CONP is displayed on calling party station LCD according to ADMIN programming.

Networking Attribute					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
320	5	Networking Signal Method	FAC / UUS	FAC	Select the information element type for networking supplementary service message. FACILITY/USER-TO-USER information element can be used for networking supplementary service message.
	6	Networking CAS Enable	ON / OFF	OFF	Enable Centralized attendant in master system, CAS should be disabled.
	7	Networking VPN Enable	ON / OFF	OFF	Reserved
	8	NET CC Retain Mode	ON / OFF	OFF	This value is used to set the networking supplementary signaling type of the call completion. If this value is set to ON, the signaling of call completion retain mode is executed.
321	-	Supplementary Attributes	F1-F7	-	-
	1	Networking Transfer Mode	REROUT/ JOIN	REROUT	At international standard of the networking transfer signaling, two kinds of signaling type are exist. The name of each signaling type is REROUTE and REJOIN. This value is used to select the signaling type of networking transfer.
	2	TCP port	4 digits	9000	This ADMIN program is used to set the TCP port for BLF message.
	3	UDP port	4 digits	9001	This ADMIN program is used to set the UDP port for BLF message
	4	BLF Manager IP Address	12 digits	0.0.0.0	This ADMIN program is used to set the IP Address of BLF manager for BLF service.
	5	Duration of BLF status	01- 20 sec	02	This ADMIN program is used to set the duration of BLF status message
	6	Multicast IP Address	12 digits	0.0.0.0	This ADMIN program is used to set the IP address of multicast for BLF service

Networking Attribute					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
321	7	Net Trans Fault Recall Timer	1 ~ 300	10	Network transfer fault recall timer.
	8	Gatekeeper Reroute CO Group	00-24	-	Used to set the CO group of gatekeeper
322	-	Networking CO Line Attributes	CO Line range	-	-
	1	Networking CO Line Group	00-24	00	This ADMIN program is used to select CO Line Group for networking call.
	2	VOIB Mode	0 = H.323 1 = SIP	-	This ADMIN program determines to use H.323 or SIP at each VOIP CO line.
	3	Use Gatekeeper	ON / OFF	OFF	Determines to use under GK or not
	4	Net Co Line Type	NET / PSTN	PSTN	This ADMIN program is used to select the type of system that is connected through the networking CO line. The system type can be separated two types: NET type, that is the networking software installed private system; and PSTN type, that is the public switching network system.
	5	DTMF Mode	2 = Inband DTMF 3 = RFC2833 DTMF 4 = Outband DTMF	-	This ADMIN program determines DTMF Mode at each VOIP CO line.
324		Networking Routing Table	00-71	-	-
	1	System Usage	NET / PSTN	NET	This ADMIN program is used to set the networking connection type of the selected table entries. If PSTN is directly connected, this value must be set to PSTN. If the networking software installed system is directly connected, this value must be set to NET.

Networking Attribute					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
324	2	Net Numbering Code	16 digits	-	This ADMIN program is used to set the networking number code of the selected table entries. '*' means any digits can be inserted between 0- 9. The digits followed by '#' is a internal station number.
	3	Net Number CO Line Group	00-24	-	This ADMIN program is used to select CO line group for networking call. If networking call number corresponding NET NUMBERING CODE is entered, the networking call route to the destination through this CO Line Group.
	4	CPN or IP Information	16 digits at QSIG, 4 IP Address at VoIP	...../ 0.0.0.0	CPN information for ISDN, IP address for VoIP (CPN info 1 ~ CPN info 4)
	5	Alternate Dial Bin	2000-2499	-	Alternative Dial Number (System SPD Bin) when the networking path has a fatal problem.
	6	Destination MPB IP	IP address	-	IP Address of destination system to support DECT mobility service.
	7	Digit Repeat	YES / NO	NO	If this PSTN number is not connected with PSTN line directly but connected by another networking system, make 'Digit Repeat' to YES.
	8	CO ATD Code CLI	YES / NO	NO	During transit-out, this admin value determines which CLI should send to PX.

VOIB Net Attributes

System Base Program					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
340	-	VOIB IP SETTING	-	-	-
	1	IP Addressing(SKIP:#)	12 digits	0.0.0.0	This ADMIN program is used at setting the IP address of VOIP board.
	2	GATEWAY Addressing (SKIP:#)	12digits	0.0.0.0	This ADMIN program is used at setting the gateway address of VOIP board.
	3	SUBNET Mask(SKIP:#)	12digits	250.250.255.0	This ADMIN program is used at setting the subnet mask of VOIP board.
	4	DNS Addressing (SKIP:#)	12digits	0.0.0.0	This ADMIN program is used at setting the DNS address of VOIP board.
	5	TRACE Password	10digits	. . . .	This ADMIN program is used at setting the password which need to contact to VOIP board for trace.
	6	Default CODEC	0 – 4	0 (G.723.1)	This ADMIN program is used at setting the default codec of VOIP board.
	7	Default GAIN	1 - 62	31	This ADMIN program is used at setting the default codec of VOIP board.
	8	NO Delay (TOS)	ON / OFF	OFF	This ADMIN program is used at selecting whether the response of VOIP board will be delayed or not.
	9	Throughput (TOS)	HIGH / NORMAL	NORMAL	This ADMIN program is used at selecting whether the throughput of VOIP board is high or normal.
	10	Reliability (TOS)	HIGH / NORMAL	NORMAL	This ADMIN program is used at selecting whether the reliability of VOIP board is high or normal.

System Base Program					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
340	11	Firewall IP Address	IP Address	0.0.0.0	This ADMIN program is used at setting the NAT Firewall IP address of VOIP board
	12	VOIB MODE	0-2	0	Selecting the trunk signaling protocol of VOIP board This ADMIN program is used at selecting whether the mode of VOIP board is H.323 , SIP or DUAL. If it is set to DUAL, selected VOIP board serves both H.323 and SIP automatically. 0 : H.323 1 : SIP 2 : Dual
	13	Silence Detection	ON/OFF	0 (OFF)	This ADMIN program is used at selecting whether the Silence Detection of VOIP board is On or Off.
	14	Echo Canceller	ON/OFF	1 (ON)	This ADMIN program is used at selecting whether the Echo Canceller of VOIP board is On or Off.
	15	DTMF Mode	2-4	2	Setting the DTMF mode of VOIP board. 2 : Inband DTMF 3 : RFC 2833 4 : Outband DTMF
	16	Jitter Buffer	050-300 (ms)	150	This ADMIN program is used at setting the Jitter buffer of VOIP board.
	17	Voice Monitor	ON / OFF	OFF	This ADMIN program is used at setting the Voice Monitor of VOIP board. *[reserved]*
	18	H.323 Fast Mode	Fast (1) / Normal (0)	Fast (1)	This ADMIN program selects H.323 Mode.
	19	Early H.245	ON / OFF	ON (1)	This ADMIN program determines to serve Early H.245 Mode.
	20	H.245 Tunneling	ON / OFF	OFF (0)	This ADMIN program Determines to serve H.245 Tunneling.
	21	TOS Preference	0-7	0	This ADMIN program sets TOS Precedence.

System Base Program					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
341	-	Gatekeeper Setting	-	-	-
	1	GK Usage	ON/OFF	OFF	Determines to use GK or not.
	2	GK Call Mode	Direct/Reroute	Reroute	Select method to send the Q.931 message of VOIP board to GK.
	3	GK Open H245	ON / OFF	OFF	Determines to open H245 port or not.
	4	GK H245 Tunneling	ON / OFF	OFF	Reserved
	5	GK Pre-granted ARQ	ON / OFF	OFF	Reserved
	6	GK Out-Of-Band Flash	ON / OFF	OFF	Reserved
	7	GK Time To Live	0 - 250(sec)	30	Set interval of RRQ message.
	8	GK Address(SKIP:#)	12digits	0.0.0.0	Set GK IP address to register
	9	GK Find Address (SKIP:#)	12digits	224.0.1.41	Reserved
	10	GK Find Port	0 - 9999	1718	Reserved
	11	GK RAS Signal Port	0 - 9999	1719	Set GK RAS signal port
	12	GK Signal Port	0 - 9999	1720	Set GK call signal port.
	13	VOIB GK ID	23 Characters	-	Set unique GK ID.
	14	VOIBH323 ID	23 Characters	-	Set unique VOIB's ID.
	15	VOIB E164 Address	23 Digits	-	Set station number under GK
	16	VOIB Terminal Alias	20 Digits	-	Reserved

SIP Attribute (PC Admin Only)

SIP Attribute (PC Admin Only)					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
500	-	SIP SETTING	-	-	-
	1	SIP Proxy Server Address	-	0.0.0.0	Set SIP Proxy address
	2	SIP Proxy Server Port	-	5060	Set SIP Proxy signaling port
	3	Proxy Registration Timer	-	1800	Set Proxy Registration Timer value
	4	Use Outbound Proxy	0-1	1	Determine outbound proxy usage
	5	Primary DNS Address	-	-	Set primary DNS address
	6	Secondary DNS Address	-	-	Set secondary DNS address which is used when primary DNS is down
	7	Called Party Domain	-	-	Set called party domain name. VOIB makes ”TO” header of “INVITE” message using dialed number and this field. (ex: dialed_no@calledparty.domain)
	8	Connection Mode	0-1	0	Set SIP transport protocol 0 : UDP 1 : TCP
	9	100rel support	0-1	0	Usage of SIP “100rel” extension (reliable transfer of SIP protocol)
	10	Use rport method	0-1	0	Usage of SIP “rport” extension (to support NAT)
	11	Use Single Codec Only	0-1	0	If this value is true, VOIB suggests default codec only through a SDP codec negotiation. Or this value is false, VOIB suggests all available codec through a SDP codec negotiation.
	12	Remote Part ID	ON / OFF	-	This Admin is used to support ‘Remote Part ID’ for CID.
	13	181 Message	ON / OFF	-	If this feature is set to ON, 181 message is supported.
	14	IP Centrex	ON / OFF	-	If this feature is set to ON, IP centrex service is supported.

SIP Attribute (PC Admin Only)					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
501	-	SIP UID Table	-	-	-
	1	User ID	64 ASCII characters	-	Set SIP user ID which is used “From” Header (ex: caller@caller.domain)
	2	Authentication User Name	64 ASCII characters	-	Set authentication user name if authentication is used.
	3	Authentication Password	64 ASCII characters	-	Set authentication user password if authentication is used.
	4	Contact Number	Max. 8 digits	-	VOIB use “Contact” header using this field and VOIB IP address. Usually set station number or DID number to route this SIP UID.
	5	User ID Register	0-1	0	Determine registration of this SIP UID
	6	User ID Usage	ON / OFF	-	This feature decides to use User ID or not.
	7	Associate Station	Station Number	-	To support a SIP supplement service Click to dial Click to answer Voice Mail notify (only for the BroadWorks soft switch)

RSG/IP Phone Setting

RSG?IP Phone Setting					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
380	-	VOIB Slot for RSG/IP	-	-	-
	1	Slot Assign	-	-	-
	2	Channel Assign	0-8	0	-
381		RSG/IP No Assign			-
	1	RESERVED			-
	2	IP Phone Number	00-16	00	-

RSG?IP Phone Setting					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
382		RSG/IP Attribute	-	-	-
	1	Transfer Mode	IP / MAC	IP	-
	2	Casting Mode	Unicast / Multicast	Unicast	-
	3	Tone Source	SBX IP 320 / Remote (RSG/IP Phone)	Remote	-
	4	Peer to Peer	ON/OFF	ON	-
	5	Codec Type	G.711_ALAW(0)/ G.711_ULAW(1)/G. 723.1(2)/ G.729.(3)/ G.729A (4)	G.711_ALAW(0)	-
	6	First Access RSG CO	ON/OFF	ON	-
	7	Ring without CO Ring Assign	ON/OFF	ON	-
386		IP Phone Attribute			-
	1	Set MAC ADDR	-	00-00-00-00-00-00	-
	2	IP Address DISPALY	-	0.0.0.0	-
	3	Port View	-	N/A	-
	4	Port NUM	-	N/A	-
	5	NAT IP ADDR Display	-	0.0.0.0	-
	6	NAT Port NUM	-	0	-
	7	STUN Enabled	-	NONE	-
	8	CTI IP ADDR(SKIP : #)	-	0.0.0.0	-
	9	IPSEC	ON / OFF	OFF	-
	10	Outside NAT Firewall	ON/OFF	OFF	-
	11	User ID	Max. 12 characters	-	Nomad SP can be registered to the system by entering this User ID / Password. So the user can register easily by using same ID / Password even if their MAC address is changed.
	12	User Password	Max. 12 characters	-	
396	-	IP Phone RX Gain	-	-	-
	1	IP Phone RX from DKTU	00 – 63	-	-

RSG?IP Phone Setting					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
396	2	IP Phone RX from SLT	00 – 63	-	-
	3	RESERVED		-	-
	4	RESERVED		-	-
	5	IP Phone RX from ACO	00 – 63	-	-
	6	RESERVED		-	-
	7	IP Phone RX from DCO	00 – 63	-	-
	8	IP Phone RX from VMIB	00 – 63	-	-
	9	IP Phone RX from DTMF	00 – 63	-	-
	10	IP Phone RX from Tone	00 – 63	-	-
	11	IP Phone RX from Music 1	00 – 63	-	-
	12	IP Phone RX from Music 2	00 – 63	-	-
	13	RESERVED	-	-	-
	14	RESERVED	-	-	-
	15	RESERVED	-	-	-
	16	IP Phone RX from IP Phone	00 – 63	-	-
397		IP Phone TX Gain	-	-	-
	1	IP Phone TX to DKTU	00 – 63	-	-
	2	IP Phone TX to SLT	00 – 63	-	-
	3	RESERVED	-	-	-
	4	RESERVED	-	-	-
	5	IP Phone TX to ACO	00 – 63	-	-
	6	RESERVED	-	-	-
	7	IP Phone TX to DCO	00 – 63	-	-
	8	IP Phone TX to VMIB	00 – 63	-	-

Nation Specific

Nation Specific					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
400		DTIB RX Gain	-	-	Korean version
	1	DTIB/DKT	00 – 63	26	-
	2	DTIB/SLT	00 – 63	33	-
	3	-	-	-	-
	4	-	-	-	-
	5	DTIB/ACO	00 – 63	33	-
	6	-	-	-	-
	7	DTIB/DCO	00 – 63	33	-
	8	DTIB/VMIB	00 – 63	29	-
	9	DTIB/DTMF	00 – 63	8	-
	10	DTIB/Tone	00 – 63	32	-
	11	DTIB/Music1	00 – 63	29	-
	12	DTIB/Music2	00 – 63	29	-
	13	-	-	-	-
401		SLIB RX Gain			-
	1	SLIB/DKT	00 – 63	12	-
	2	SLIB/SLT	00 – 63	23	-
	3	-	-	-	-
	4	-	-	-	-
	5	SLIB/ACO	00 – 63	21	-
	6	-	-	-	-
	7	SLIB/DCO	00 – 63	24	-
	8	SLIB/VMIB	00 – 63	20	-
	9	SLIB/DTMF	00 – 63	8	-
	10	SLIB/Tone	00 – 63	18	-
	11	SLIB/Music1	00 – 63	20	-
	12	SLIB/Music2	00 – 63	20	-
	13	-	-	-	-

Nation Specific					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
404		ACOB RX Gain			-
	1	ACOB/DKT	00 – 63	26	-
	2	ACOB/SLT	00 – 63	37	-
	3	-	-	-	-
	4	-	-	-	-
	5	ACOB/ACO	00 – 63	36	-
	6	-	-	-	-
	7	ACOB/DCO	00 – 63	33	-
	8	ACOB/VMIB	00 – 63	32	-
	9	ACOB/DTMF	00 – 63	32	-
	10	ACOB/Tone	00 – 63	32	-
	11	ACOB/Music1	00 – 63	32	-
	12	ACOB/Music2	00 – 63	32	-
	13	-	-	-	-
	14	ACOB/Modem	00 – 63	37	-
406	-	DCOB RX Gain	-	-	-
	1	DCOB/DKT	00 – 63	26	-
	2	DCOB/SLT	00 – 63	37	-
	3	-	-	-	-
	4	-	-	-	-
	5	DCOB/ACO	00 – 63	24	-
	6	-	-	-	-
	7	DCOB/DCO	00 – 63	32	-
	8	DCOB/VMIB	00 – 63	32	-
	9	DCOB/DTMF	00 – 63	32	-
	10	DCOB/Tone	00 – 63	32	-
	11	DCOB/Music1	00 – 63	32	-
	12	DCOB/Music2	00 – 63	32	-
	13	-	-	-	-
	14	DCOB/Modem	00 – 63	37	-

Nation Specific					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
407	-	VMIB RX Gain	-	-	-
	1	VMIB/DKT	00 – 63	21	-
	2	VMIB/SLT	00 – 63	32	-
	3				-
	4				-
	5	VMIB/ACO	00 – 63	32	-
	6	-	-	-	-
	7	VMIB/DCO	00 – 63	32	-
	8	VMIB/Music1	00 – 63	32	-
	9	VMIB/Music2	00 – 63	32	-
408		DTMF RC Gain			-
	1	DTMF/SLT	00 – 63	28	-
	2	-	-	-	-
	3	DTMF/ACO	00 – 63	24	-
	4	-	-	-	-
	5	DTMF/DCO	00 – 63	24	-
409		EXT Page Gain			-
	1	EXT Page/DKT	00 – 63	26	-
	2	EXT Page/SLT	00 – 63	37	-
	3	-	-	-	-
	4	-	-	-	-
	5	EXT Page/ACO	00 – 63	37	-
	6	-	-	-	-
	7	EXT Page/DCO	00 – 63	37	-
	8	EXT Page/VMIB	00 – 63	37	-
	9	EXT Page/Music1	00 – 63	37	-
	10	EXT Page/Music2	00 – 63	37	-
	11	-	-	-	-

Nation Specific					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
410	-	CPT Gain	-	-	-
	1	CPT/ACO	00 – 63	24	-
	2	-	-	-	-
	3	CPT/DCO	00 – 63	24	-
411		Modem Gain			-
	1	Modem/ACO	00 – 63	24	-
	2	-	-	-	-
	3	Modem/DCO	00 – 63	24	-
412		Short SLIB Gain	-	-	SAF only
	1	Shot ACO	00 – 63	31	-
	2	Long ACO	00 – 63	31	-
413	-	Long SLIB Gain	-	-	SAF only
	1	Short ACO	00 – 63	37	-
	2	Long ACO	00 – 63	37	-
414	-	Far SLIB Gain	-	-	SAF only
	1	Short ACO	00 – 63	45	-
	2	Long ACO	00 – 63	45	-
415	-	Short ACO Gain	-	-	SAF only
	1	Short SLIB	00 – 63	35	-
	2	Long SLIB	00 – 63	41	-
	3	Far SLIB	00 – 63	47	-
416		Long ACO Gain	-	-	SAF only
	1	Short SLIB	00 – 63	39	-
	2	Long SLIB	00 – 63	45	-
	3	Far SLIB	00 – 63	51	-

Nation Specific					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
417		MBU DSP RX Gain	-	-	-
	1	<- ACO SMS	00 - 63	24	-
	2	RESERVED	-	-	-
	3	<- SLT SMS	00 - 63	17	-
	4	<- ACO DTMF CID	00 - 63	38	-
	5	<- ACO FSK CID	00 - 63	38	-
420		MBU FSK TX Gain	-	-	-
	1	-> ACO SMS	00 - 63	32	-
	2	RESERVED	-	-	-
	3	-> SLT SMS	00 - 63	32	-
	4	-> SLT FSK CID	00 - 63	32	-
420		System Tone Frequency	-	-	-
	1	Dial Tone	4digits	0425, 0000	Nation specific
	2	Ring Back Tone	4digits	0425, 0000	Nation specific
	3	Busy Tone	4digits	0425, 0000	Nation specific
	4	Error Tone	4digits	0620, 000	Nation specific
	5	Dummy Dial Tone	4digits	0350, 440	Nation specific
421	-	Differential Ring Frequency	-	-	-
	1	Ring 1	4digits	1000, 1020	Nation specific
	2	Ring 2	4digits	0890, 0910	Nation specific
	3	Ring 3	4digits	1260, 1280	Nation specific
	4	Ring 4	4digits	0800, 0820	Nation specific
422	-	Distinct Ring Frequency	-	-	-
	1	Ring 1	4digits	0480, 0000	Nation specific
	2	Ring 2	4digits	0400, 0000	Nation specific
	3	Ring 3	4digits	0620, 0000	Nation specific
	4	Ring 4	4digits	0770, 0000	Nation specific

Nation Specific					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
423	-	ACNR Tone Cadence	-	-	-
	1	Ring-Back Tone	000-255	ON: 050 / OFF: 100	20 msec base
	2	Busy Tone	000-255	ON: 025 / OFF: 025	20 msec base
	3	Error Tone	000-255	ON: 012 / OFF: 012	20 msec base
	4	S –Dial Tone	000-255	ON: 070 / OFF: 000	20 msec base
424	-	DTIB Rx ACO Gain	-	-	SAF only
	1	Short ACO	00 – 63	37	-
	2	Long ACO	00 – 63	42	-

Initialization

Initialization					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
450	-	Initialization	-	-	-
	1	Flexible Numbering Plan Initialization	-	-	PGM105-107
	2	Station Database Initialization	-	-	PGM110-114, PGM 116-119, PGM121-124, PGM179
	3	CO Line Database Initialization	-	-	PGM 140-144
	4	System Feature Database Initialization	-	-	PGM 160-177, PGM108
	5	Station Group Database Initialization	-	-	PGM 190, PGM191
	6	ISDN Tables Database Initialization	-	-	PGM 201, PGM202, PGM230, PGM231
	7	RESERVED	-	-	None (Reserved)
	8	System Timer Database Initialization	-	-	PGM 180-182
	9	Toll Table Database Initialization	-	-	PGM 224, PGM225
	10	LCR Database Initialization	-	-	PGM 220-222
	11	Tables Initialization	-	-	PGM 227-229, PGM232-235
	12	Flexible Button Program Initialization	-	-	PGM 115
	13	Networking Database Initialization	-	-	PGM 320-324
	14	All Database Initialization	-	-	Above All
	15	System Reset By Software	-	-	-
	16	DID Reroute Table	-	-	-
	17	Board DATA	-	-	PGM 340, 341, 155

Print Prot Database

System Base Program					
PGM	FLEX	ITEM	RANGE	DEFAULT	COMMENTS
451	-	Print Prot Data	-	-	-
	1	Flexible Numbering Plan Print	-	-	-
	2	Station Database Print	STN_R	-	-
	3	CO Line Database Print	CO_R	-	-
	4	System Feature Database Print	-	-	-
	5	Station Group Database Print	-	-	-
	6	ISDN Tables Database Print	-	-	-
	7	System Timer Database Print	-	-	-
	8	Toll Table Database Print	-	-	-
	9	LCR Database Print	-	-	-
	10	Other Tables Print	-	-	-
	11	Nation Specific Database Print	-	-	-
	12	Flexible Button Program Print	STN_R	-	-
	13	Networking Data Print	-	-	-
	14	All Database Print	-	-	-
	15	LCD Message Print	-	-	-
		1 Language	00–15	Nation Specific	00:ENG 01:ITA 02:FIN 03:DUT 04:SWE 05:DAN 06:NOR 07:HUN 08:GER 09:FRE 10:POR 11:SPA 12:KOR 13:EST 14: RUS 15 = TUR
		2 Station Type	0–2	0	0: NORMAL 1: LG-GAP 2: LARGE
	16	Quit Print	-	-	-

Index

F

G

I

L

M

N

P

Q

R

S

T

U

V

W