



SBX IP 320

PC Admin Guide

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REVISION HISTORY

Release	Date	Documentation Changes	Page No.
2.0	7-08	Offline PC Admin Chapter added.	--
1.0	1-08	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.	--

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SBX IP 320 Online PC Admin

General Description

Introduction to Online PC Admin

The SBX IP 320 PC Admin performs the Admin function on your PC instead of a keyset so that you can manage the functions more conveniently. It performs all the function of keyset programming, and runs on Windows NT/2000/XP/Vista.

Hardware/Software Requirements

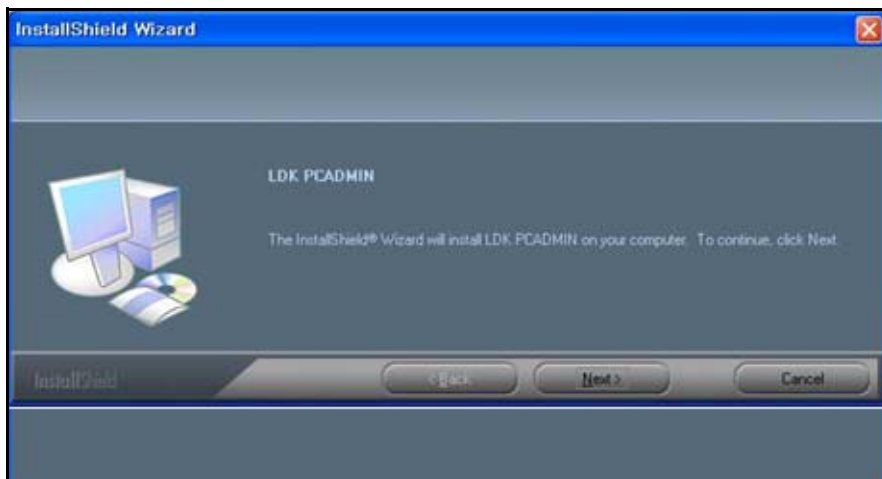
- SBX IP 320 PC Admin
 - SBX IP 320 MPB Software preliminary version
 - Serial Port that is installed on MPB as a basic option (Basic Serial Port)
 - Password for using PC Admin should be set in the MPB
 - One IP Address should be set in the MPB for LAN Connection. If you do not know the exact IP address, ask your network administrator.
 - Available system: SBX IP 320 Office system.
- PC
 - Pentium Celeron 233MHz CPU or higher (Celeron 333 or more high performance CPU is recommended)
 - 256 color Super VGA (800 X 600) or higher (Recommended: 1024 X 768)
 - One or more Serial Port: Mouse that has two or more buttons
 - At least 64MB RAM (128MB or more RAM is recommended)
 - MS-Windows NT/2000/XP
 - NIC (Network Interface Card) for LAN connection and ability to connect to the network (Optional)
 - MODEM for PSTN connection (Optional)

- Cable
 - RS-232C Type Cable to connect the PC and the SBX IP 320 system: Two connectors are needed for this connection. One connector must be a 9-pin female connector that is to be connected to the SBX IP 320, and the other one must fit the serial port of the PC. There are three required lines that must be connected for the communication between the PC and the SBX IP 320 system: Ground-Ground, Transmit-Transmit, and Receive-Receive.
 - RS-232C Type Cable for connecting PC and the system to be routed: There are three required lines that must be connected between the PC and the system to be routed: Ground-Ground, Transmit-Receive, and Receive-Transmit.
 - UTP cable is used for the LAN connection.
- Environments for LAN connection
 - The SBX IP 320 system should have one IP address and it has to be set for the MPB using PGM108 - Flex button 2.
 - If your site uses the firewall or NAT (Network Address Translation)/PAT (Port Address Translation) for security, you need help from the network administrator to use the PC Admin software for remote access.
 - If you don't remember the above information, you will not be able to connect to the SBX IP 320 system from outside using PC Admin via Internet.

Installation of the Online PC Admin Software

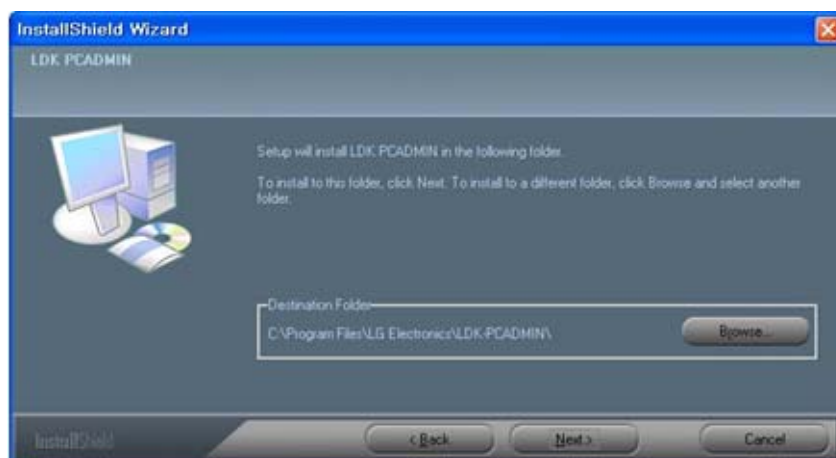
1. Put the CD-ROM into your PC.
2. Run Explorer on your PC and search for the setup.exe on the CD-ROM.

3. Double-click on the setup.exe file. This will bring up the initial screen for the installation of PC Admin as shown in the following illustration.

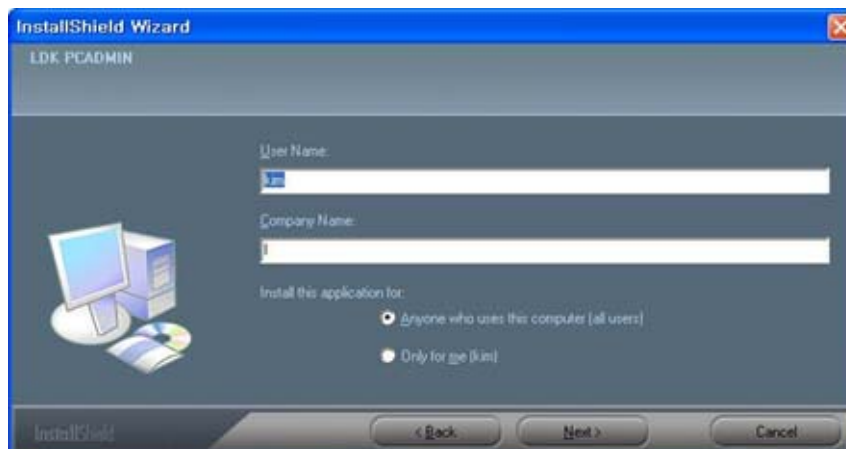


4. Click [Next] to start the install process. If you press the [Cancel] button, the install process will stop.

The next step is selecting a location for the installation.



5. You can change the install directory if desired or click [Next] to install the directory to the default directory as shown in the illustration above.



6. Enter a User Name, Company Name, and choose who the application will be installed for. Then click [Next] to copy the files into the install directory that you have selected in the previous step.



7. Click the [Finish] button.

Brief Outline of PC Admin

This program has a simple menu such as connection and disconnection to the system, Reload, and Debugging Window. All of the admin program is structured in a tree shape. It has 14 upper items, excluding Networking and VoIP. Each of them has lower items. A related program appears at the right side of the tree as you click on an item. Each upper item is implemented on a dialog box that has tabs to classify the lower items.

Password

As you execute the SBX IP 320 PC Admin application, you will see the box below to enter a user ID and password. An Administrator must assign the user ID, access level, and password for each user.

This password is not related to PGM162. This is a multi-level management for users and it is only for use with PC Admin (Default ID: administrator, Password: 0000).

Operation

When you launch PC Admin software, a logon dialog box will display. You must enter your user ID and password. An Administrator has the highest priority and level. Only an Administrator can program the user ID and password..

1. Enter your user name and password whenever you want to logon. But if you use the same ID, you can enable the User ID Save field. Then you do not need to enter your user name again. If another user wants to logon, they should enter their own user ID.
2. Press the [OK] button after entering your user ID and password.
3. Follow the instructions in Connection Type Setup, which is described in the next section.



Login Dialog

PC ADMIN

3.64h 2005.12.05

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LDK

Enter user ID and Password !

User ID

Password

☒ User ID Save

OK Cancel

Connection Type

From V3.0, PC Admin supports LAN and serial connections directly. Because the SBX IP 320 system uses a PPP connection, PC Admin can be connected with PPP from your PC. PC Admin uses a small program to manage the connection separately. This connection manager is not done by itself. This module transfers data between the GUI and MPB software.

Site Management Tool

PC Admin can save simple information for sites so that you can connect to the site directly by using this list.

Operation

1. [Tools] > [Site Information]

Site	Site IP Address
LDK-1248	192.168.131.5

Name	LDK-1248
Site IP	192.168.131.5
Site MODEM Num.	
Site Location	
Site Telephone	
Install date	
Last upgrade date	
MPB Version	
System Type	

Memo

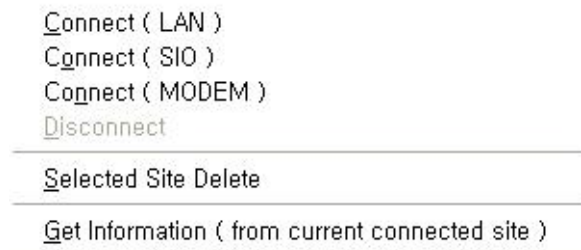
- 2) Press the [New] button to add site information. A dialog box for each information piece will display in the following order.

Site Name / IP Address / Modem phone number / Location / Telephone number for customer / Install date / Last upgrade date.

The telephone number for customer, install date, and last upgrade date are information for engineering.

3. After setting each field, press the [Save] button to save changes.

4. To connect to a site, move the mouse to the site that you want to connect and right-click with the mouse button. The following selection menu will display.



From this menu, you can select the type of connection.

Use the "Get Information (from current connected site)" to save the basic configuration of the site. If you select this menu during your connection, PC Admin will read the basic slot configuration and will save the data. If you save this data, you can later see this information without connecting to the site.

[File] > [Connect]

- This menu is for fast connection to the last site that you have visited.
- The PC Admin software remembers the type of connection and connection number (IP address or telephone number) of the last site visited. So, if you want to connect again to the last visited site, select this menu instead of selecting site information.

Basic Information

Connect LED

If connection is established between PC Admin and the SBX IP 320 system, the connect light LED will illuminate. The Tool Bar shows menu items, including connection and disconnection to the system, Reload, Debug Window, and Item Window.

Tx/Rx LED

This LED will illuminate when PC Admin sends or receives data from the SBX IP 320 system.

Nation Code and Site Name

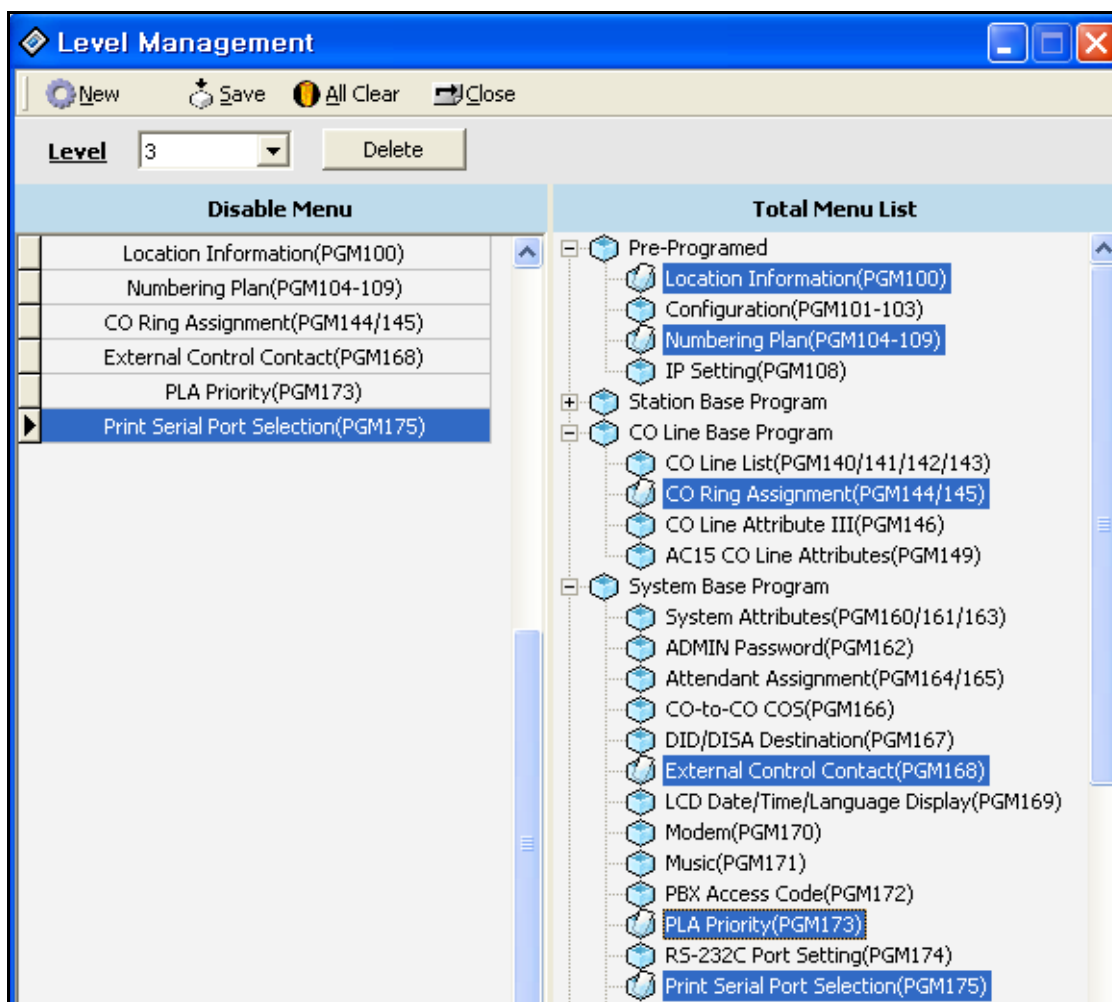
This information will be displayed when connection is established between PC Admin and the SBX IP 320 system.

Level Management - Administrator Only

Description and how to program

PC Admin supports multi level of users. Administrator has highest priority and can assign levels to each user.

1. Click on **[Tools] > [Level Management]**. The following window for level management displays.



2. Press [New] button to assign a new level.

3. Enter the level that you want to add.

Duplicated levels are not allowed. After entering a level, you can select the features that you want to disable with the assigned level. If you disable a feature, the user who has this level cannot see the menu in the menu list.

It is possible to select the menu by medium category (For example, PGM108, 111, 141, etc.). You cannot assign a main category such as "Preprogrammed" or "Station Base programming".

4. After configuration, press the [SAVE] button to save changes.

Use [All clear] to clear the entire level of data.

Use [Delete] to delete one feature.

Tip for backup level database

There are two cases where you may need to restore the database or setup multiple customers to the same level database.

Case 1: When you want restore the database after installing the PC Admin again.

Case 2: When you want to setup the same level data to various customers. In other words, you can fix several levels and apply this configuration to all customers. Refer to below instruction.

Backup and restoring the level database requires the use of two files - Lmaster.cds and Ldetail.cds, which are in the installation directory.

If you backup these two files, it will be very helpful for emergency use.

1. Install the PC Admin software in your PC and configure the level/menu with a desired level.
2. Backup the Lmaster.cds and Ldetail.cds files (Default: C:\Program files\LG Electronics\ipLDK PCADM\Data) to your mobile storage device (e.g., floppy diskette, USB memory, CD-ROM, etc.).
3. Go to another site and install the PC Admin package.
4. After installation, copy your preprogrammed DB file from your mobile storage device (Lmaster.cds and Ldetail.cds) to the installation directory (Default: C:\Program files\LG Electronics\ipLDK PCADM\Data).

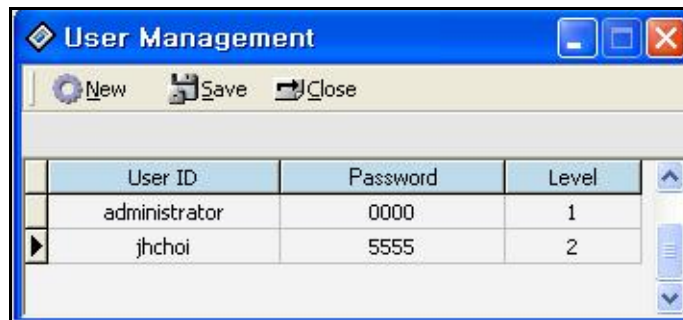
These two files will be overwritten and you can use the PC Admin with the fixed level information that you have programmed.

User Management - Administrator Only

Description and how to program

PC Admin supports multiple users with different levels. When you want to add or modify the user information, refer to below description.

1. Click on [**Tools**] > [**User Management**]. The following window for level management displays.



2. Press the [New] button to add a user. A dialog box will display with fields in the following order.

User Name / Password / Level

After entering the three items, press the [SAVE] button to save the input.

Tip for backup and restore of user database

To backup the user database, save the attribute.cds file to your mobile storage device. This file is located the installation directory (Default: C:\Program files\LG Electronics\ipLDK PCADM\Data).

To restore the user database, save the attribute.cds file from your mobile storage device to the installation directory.

If you want to backup the databases for level and user, backup the three files.

Lmaster.cds, Ldetail.cds, Attribute.cds

SBX IP 320 Utilities

Description and how to program

PC Admin includes some utilities. You can download the database of the MPB using one of these utilities. Detailed information is described in the user guide. This section provides information about connection type.

Included Utilities

- SBX IP 320 DB download / Upload software
- SBX IP 320 remote upgrade software.
- SBX IP 320 Remote diagnostic software
- SBX IP 320 Speed editor

Other utilities are linked with PC Admin software directly because they have strong relationship with PC Admin. So, you just select the correct menu to use them. Speed Editor has different characteristics. Some users do not want to use this utility and other users want to use it. So, SBX IP 320 PC Admin supports an optional Speed Editor. If you want to link speed editor to PC Admin, select [ipLDK Utility] > [ipLDK Speed Editor Path] to link the program. Then you can link the path of which speed editor was installed. After assigning the path, you just select the menu [ipLDK Utility] > [ipLDK Speed Editor] to run the software.

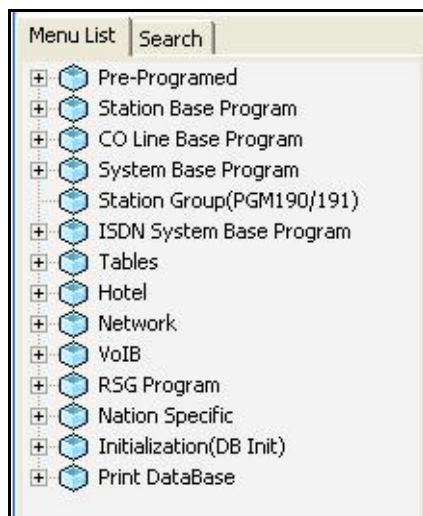
If you want to change the path, use the [ipLDK Utility] > [ipLDK Speed Editor Path] menu again.

How to upgrade these utilities?

Normally only Speed Editor will be released alone. If Speed Editor is released for update, you just overwrite the old one with the new one. Then you can use the updated speed editor without additional configuration. The other three utilities will normally be released with PC Admin as a package. In special cases, each software may be released individually. You just copy the new software over the old one.

Pre-Programmed

The SBX IP 320 system is operated by default values when you first install the system. You can change these default values such as Location Information, Slot Assignment, and Numbering Plan. Pre-Programmed items are from PGM 100 to PGM 108. Click on the Pre-Programmed item in the Menu List to expand the menu and to reprogram the desired function.



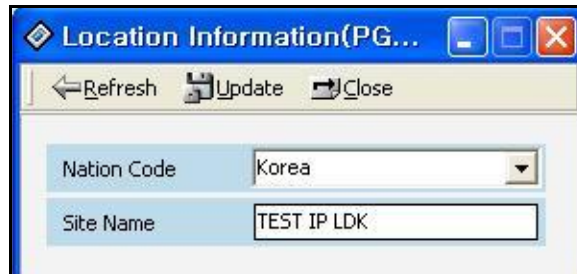
Location Information (PGM 100)

Set up the Nation Code and Customer Site Name. Name code is the same as long distance telephone code. The site name is the name of your site. This information will be displayed on the menu title bar automatically when you connected to the SBX IP 320 system.



Operation

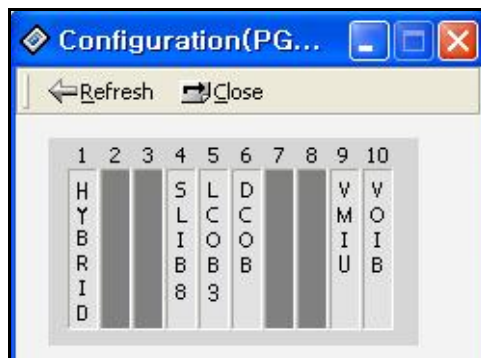
1. Click [Location Information].



2. USA is the default value of Nation Code. You can change the code.
3. Before changing the Nation Code, check the DB Protected by DIP4. If DB Protected is enabled, nation code will not be changed.
4. After changing the Nation Code, you have to reset the system. At that time Dip S/W 8 should be located for database protected.
5. You can put any name in the [Customer Site Name] box, up to 23 characters. Both characters and number are available. You can enter lowercase characters.

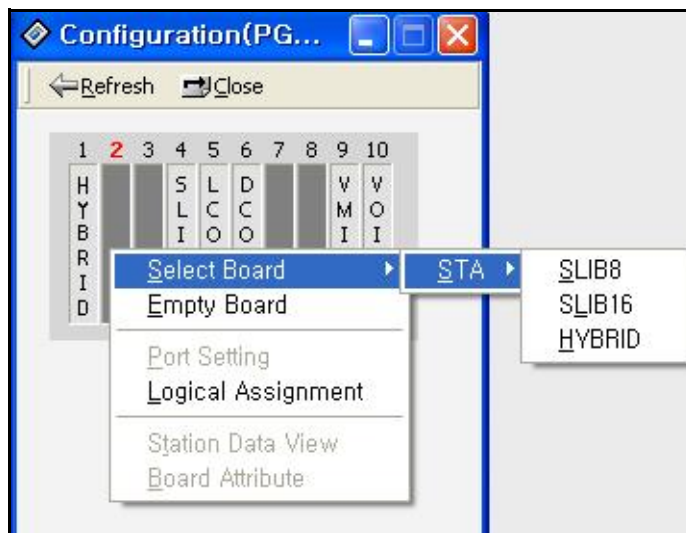
Slot Assignment (PGM 101)

The SBX IP 320 system supports a max of 10 slots. This program assigns each slot to one type of the boards. Slot Assignment is possible by the system automatically or by the PC Admin program manually. If the dipswitch is off, the system automatically senses the board. If the dipswitch is on, you have to assign each board to the slot where it is placed. Then reset the system. The PC Admin software shows the same shape GUI type for slot configuration.



Operation

1. Click [Configuration] with popup menu. Then the configuration window displays similar to that shown above. The window is a GUI type and it will display the correct slot numbers automatically.
2. With this window, you can add/delete slots by GUI screen and mouse operation. If you want to add or delete a slot, right-click on the slot with the mouse. Then a sub menu will display.



If you want to assign manually, you choose one of the slots, and a board type.

When you use this feature, you can't modify the logical port number, except for the DCOB.

When you assign the DCOB, you can select the logical port number that you want. But it has range from 0 to 30 ports.

Any board except the DCOB has a fixed logical port number.

If you want to see the attributes of an installed slot, you can select the "View" menu in above window.

When you select an empty board menu, a confirmation window will be displayed and will ask once more to avoid a mistake.

Logical Slot Assignment (PGM 103)

The COL board and STA board is assignable either automatically or manually. If the dipswitch is off, they will be assigned automatically, otherwise manually. The VMIB is assignable only manually, regardless of the dipswitch status.

Operation

1. Select the [Logical Assignment] in Rack Slot Assignment Setting Window (Figure 1-1). If any board is preset automatically by the system, it shows the boards on the dialog box.
2. Add the slot to the appropriate location on the right side. If you select the Station board, you should enter the slot to the station window.
3. If you want to change the order of slots, use [Up] and [Down] button to change the order of the boards
4. After editing, press the [Update] button to save changed values.
5. If you want to remove it, select a slot number below COL board, STA board, or VMIB and click the button [<<].

In the case of VOIBE, if you select VOIBE slot into any type of COL/STA type, it will be added in the other slot type. For example, if you select a VOIBE slot in COL board type, the PC Admin software will add the VOIBE slot to the STA board type automatically.

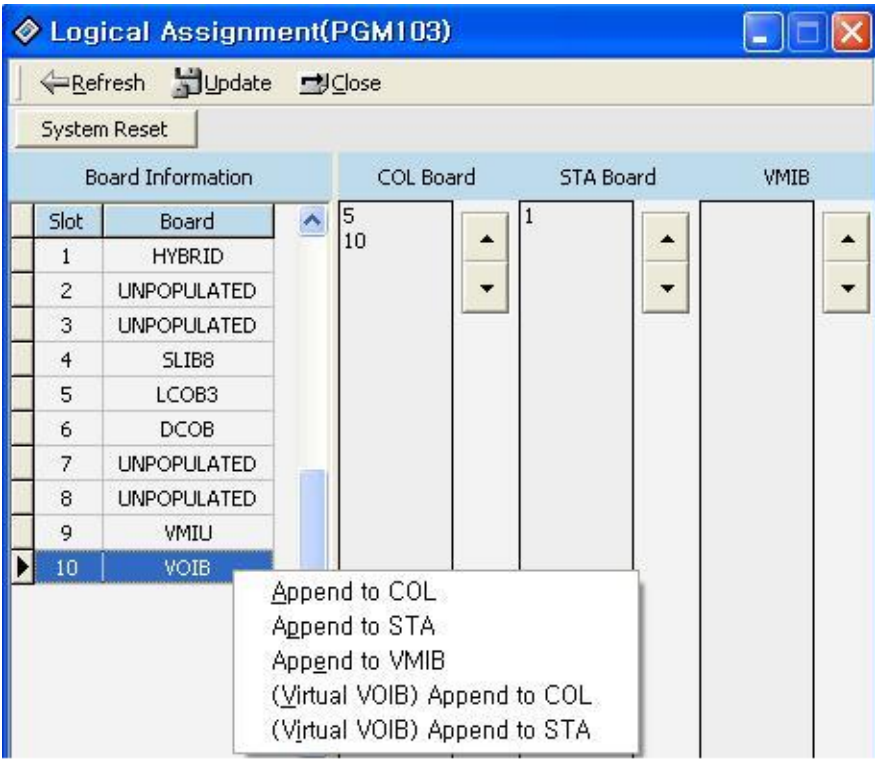


Figure 1-1 Logical Slot Assignment Window

DIP Switch Configuration for Slot Assignment (PGM103)	
ITEM	REMARK
COL board	DIP ON: Manually DIP OFF: Automatically
STA board	DIP ON: Manually DIP OFF: Automatically
VMIB	DIP ON: Manually DIP OFF: Automatically

Numbering Plan Type (PGM 104/105/106/107/109)

The default range of the station numbers is from 100 to 131. You can change the range according to the nation or to fit your style. But there is information that you have to remember.

Note: If you change the numbering plan type when you are using the PC admin, you have to reload the flexible number plan - Station number (PGM 105) information. If you don't reload that information, range information will be faulty.

Operation

1. Click [Numbering Plan] menu in left main menu. Then you will see the below screen.

With this window, you can program all kinds of numbering plan.

You can change the station range from any position.

When you selects [All Station Delete] confirmation window will be displayed and will ask once to avoid making a mistake.

Flexible Station Number		Flexible Station Number	
Port	Station Number	Attribute	Value
1	1000	Station Group Pilot (START/END)	620 667
2	1001	Internal Page Zones (START/END)	501 535
3	1002	Internal All Call Page	543
4	1003	Meet Me Page	544
5	1004	External Page Zone 1	545
6	1005	External Page Zone 2	546
7	1006	External Page Zone 3	547
8	1007	External All Call Page	548
9	1008	All Call Page(internal/external)	549
10	1009	SMDR Account Code Enter	550
11	1010	Flash Command To CO Line	551
12	1011	SLT Last Speed Dial	552
13	1012	Do-Not-Disturb(DND)	553
14	1013	Call Forward	554

2. Use the following table and change the Number Set Type.

Flexible Numbering Plan for SBX IP 320 (PGM104)			
ITEM	INTERCOM RANGE	DEFAULT	REMARK
Number Set Type 1	100-131	Yes	As the basic type, the 1st digit of the station numbers should be 1-4.
Number Set Type 2	100-131	No	The number can be changed within 799
Number Set Type 3	100-131	No	Australia default
Number Set Type 4	700-731	No	New Zealand default
Number Set Type 5	200-231	No	Italy default
Number Set Type 6	21-53	No	Max Station Ports: 32 Stations above max ports will be displayed as "****"
Number Set Type 7	100-131	No	Max Station Ports: 32 Stations above max ports will be displayed as "****"
Number Set Type 8	100-131	No	The number can be changed within 999

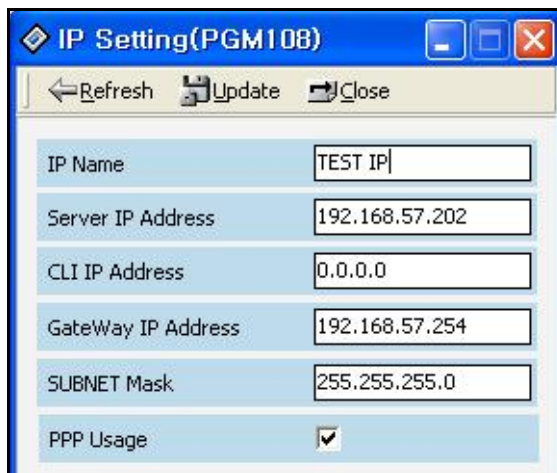
IP Setting (PGM 108)

You must set the IP Address to transport data remotely through the network.

Operation

1. Select [IP Setting]. Default values are displayed.
2. IP Name has no meaning at all. Enter a name of up to 15 characters. You can put the hostname if you want. But in that case, it is not a real hostname (optional).
3. Enter the Server IP Address of the SBX IP 320 system. The IP address is assigned by the network administrator. If you don't want to use the network connection, you might skip this feature. But if you want to use a network connection, you must configure this feature.
4. Enter the Client CLI IP Address (optional).
5. Enter the Gateway Address (the IP Address of the gateway that the system uses). If you don't enter the Gateway's IP Address, you can't access the SBX IP 320 system from another LAN segment that is separated by a router or 3-layer switch.

Note: Subnet Mask is set 255.255.255.0 as default value.



The screenshot shows a window titled "IP Setting(PGM108)" with a blue header bar and standard Windows window controls. Below the header is a toolbar with "Refresh", "Update", and "Close" buttons. The main area contains several input fields with labels on the left and values in the text boxes:

Field Label	Value
IP Name	TEST IP
Server IP Address	192.168.57.202
CLI IP Address	0.0.0.0
GateWay IP Address	192.168.57.254
SUBNET Mask	255.255.255.0
PPP Usage	<input checked="" type="checkbox"/>

Note: If your network uses a firewall, NAT (Network Address Translation) or PAT (Port Address Translation), you should contact your network administrator. In that case, you can't connect the SBX IP 320 system using PC Admin software from a remote site (not your network) without your network administrator's help.

Board Attributes (PGM 155)

You can program the board attributes of equipped board

Operation

1. [Configuration] > [Select slot] > [Board Attribute (R2 CRC Check)].
2. If you select the slot number, then R2 CRC Check data will be displayed.
3. If selected board is not DCOB12, a message box will display that says "The selected slot is not DCOB12."

Station Base Program

Use Station Base Programming to change any station related function. Station Base Program items are from PGM 110 to PGM 131 & 250. When you use station base program items, you must enter the station range.

Station ID Assignment (PGM 110/111/112/113/114)

This menu is related with assigning the phone type for each station. First, select the station list. In this window, you can select other menus such as station attribute or flexible button assignment.

Operation

1. Click [Station List].



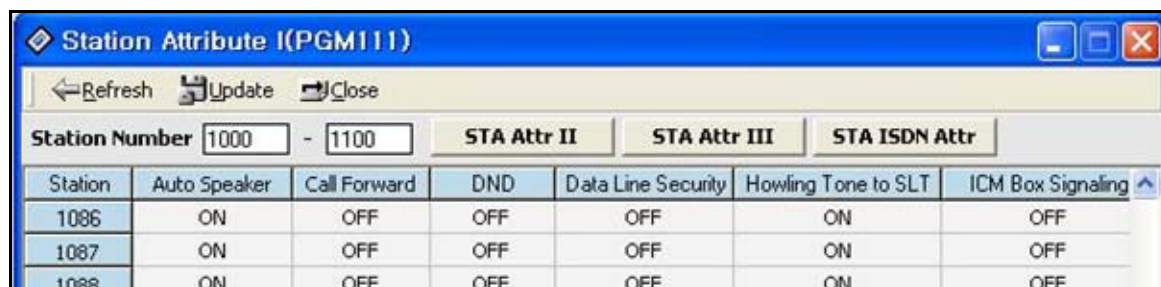
2. Right-click for other programming.
3. Select the menu that you want to change. Then a different window for the menu that you selected will display.

For example, the following window displays Station Attribute I (PGM111).

[All Apply] can be used when you want to update all.

[Name Data Save] can be used when you want to save ("Station Name").

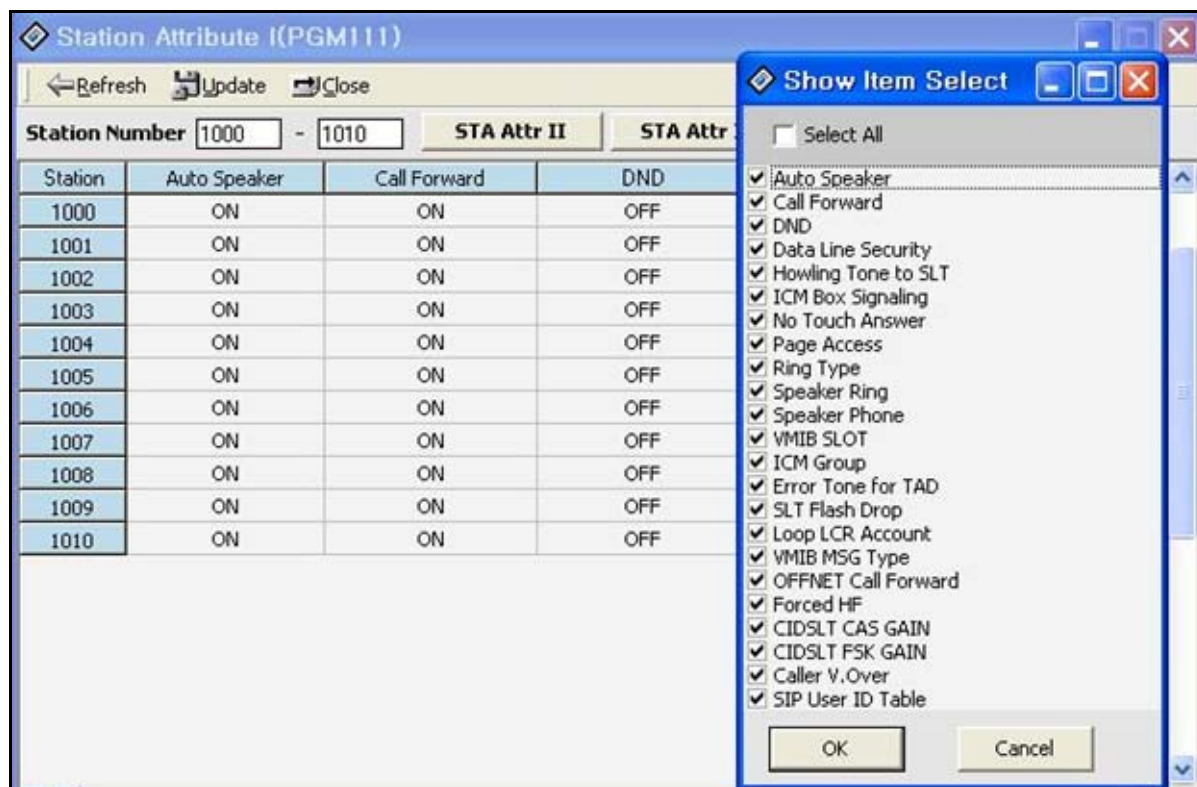
[Name Data Load] can be used when you want to load from a saved file (The file should be created by using the [Name Data Save] feature)



Station Attribute I (PGM111)						
← Refresh ↻ Update ✕ Close						
Station Number 1000 - 1100		STA Attr II		STA Attr III		STA ISDN Attr
Station	Auto Speaker	Call Forward	DND	Data Line Security	Howling Tone to SLT	ICM Box Signaling
1086	ON	OFF	OFF	OFF	ON	OFF
1087	ON	OFF	OFF	OFF	ON	OFF
1088	ON	OFF	OFF	OFF	ON	OFF

You can see all attributes by pressing [STA Attr II], [STA Attr III], [STA ISDN Attr] buttons.

- Right-click and the view option window will display as shown in the following illustration. If you want to see specific features, click the desired check boxes in this window. Then PC Admin will display the attributes that you have selected.



5. To edit the attribute, right-click and select the [Edit] menu. The edit window will display and you can edit the attributes.

The screenshot shows the 'Station Attribute I(PGM111)' window. It has a title bar with standard window controls. Below the title bar is a toolbar with 'Refresh', 'Update', and 'Close' buttons. The main area is divided into two sections. The left section is a table with 'Station' and 'Auto Speaker' columns. The right section is the 'Edit Tool' for station 1005, which includes a 'Station' dropdown, navigation buttons, and a list of attributes with checkboxes and dropdown menus.

Station	Auto Speaker
1000	ON
1001	ON
1002	ON
1003	ON
1004	ON
1005	ON
1006	ON
1007	ON
1008	ON
1009	ON
1010	ON

Edit Tool

Station: 1005

Select All: ☒

<input checked="" type="checkbox"/> Auto Speaker	ON	<input checked="" type="checkbox"/> VMIB SLOT	0
<input checked="" type="checkbox"/> Call Forward	ON	<input checked="" type="checkbox"/> ICM Group	1
<input checked="" type="checkbox"/> DND	OFF	<input checked="" type="checkbox"/> Error Tone for TAD	OFF
<input checked="" type="checkbox"/> Data Line Security	OFF	<input checked="" type="checkbox"/> SLT Flash Drop	OFF
<input checked="" type="checkbox"/> Howling Tone to SLT	ON	<input checked="" type="checkbox"/> Loop LCR Account	OFF
<input checked="" type="checkbox"/> ICM Box Signaling	OFF	<input checked="" type="checkbox"/> VMIB MSG Type	LIFO
<input checked="" type="checkbox"/> No Touch Answer	OFF	<input checked="" type="checkbox"/> OFFNET Call Forward	Enable
<input checked="" type="checkbox"/> Page Access	OFF	<input checked="" type="checkbox"/> Forced HF	OFF
<input checked="" type="checkbox"/> Ring Type	0	<input checked="" type="checkbox"/> CIDSLT CAS GAIN	5
<input checked="" type="checkbox"/> Speaker Ring	S	<input checked="" type="checkbox"/> CIDSLT FSK GAIN	5
<input checked="" type="checkbox"/> Speaker Phone	ON	<input checked="" type="checkbox"/> Caller V.Over	OFF
		<input checked="" type="checkbox"/> SIP User ID Table	0

6. After editing, press the [Update] button to save the changed values.

Station Attributes I (PGM111)			
ITEM	RANGE	DEFAULT	REMARK
Auto Speaker Selection	ON/OFF	ON	Allows accessing a CO line or placing a DSS call by pressing an appropriate {CO} or {DSS} button without lifting the handset or pressing the [SPEAKER] button
Call Forward	ON/OFF	ON	Enables Call Forward to be activated by the station
DND	ON/OFF	ON	Enables DND to be activated by the station
Data Line Security	ON/OFF	OFF	ON protects from override and camp-on, when in a busy state
Howling Tone to SLT	ON/OFF	ON	The allowance to give howling tone to an SLT
ICM Box Signaling	ON/OFF	OFF	Allows receiving ICM box / Doorbox signal
No Touch Answer	ON/OFF	ON	The allowance to connect the transferred CO line automatically when station mode is set to H/P
Page Access	ON/OFF	OFF	Allows access to paging by the station
Ring Type	0-4	0	The station can give its own ring type signal to another station in the system through this field calling party centric
Speaker Ring	1-3	1	Station rings through (1) Speaker, (2) Headset, or (3) Both speaker & headset
Speakerphone	ON/OFF	ON	ON allows operation with Speakerphone
VMIB Slot	0-2	0	Assign VMIB logical slot the station uses
ICM Group	1-5	1	Assign the ICM Tenancy Group to which the stations belong
Error Tone for Tad	ON/OFF	OFF	In Answering machine instead of SLT, send Busy Tone
SLT Flash Drop	ON/OFF	OFF	In SLT, pressing [FLASH] key or hook flashing will drop the CO Call
Loop LCR Account Code	ON/OFF	OFF	Check Account Code at Loop LCR (Except AUS_TELSTRA)
VMIB Message Type	FIFO/ LIFO	LIFO	Priority to play VMIB message
Off-net Call Forward	EN/DIS	EN	The possibility to enable/disable Off-net call forward

Station Attributes I (PGM111)			
ITEM	RANGE	DEFAULT	REMARK
Force HF	ON/OFF	OFF	Forced Handsfree configuration (from V3)
Reserved	--	--	--
Reserved	--	--	--
Caller Voice Over	ON/OFF	OFF	Caller Voice Over option (ON/OFF)
SIP User Bin	00-32	00	UID table index for SIP outgoing call VOIB make "From" header if this value is: 00: Use COLP 01-32: Use SIP UID (PGM351-1)
Redial DTMF	ON/OFF	ON	

Station Attributes II (PGM112)			
ITEM	RANGE	DEFAULT	REMARK
CO Warning Tone	ON/OFF	ON	The allowance to receive warning tone to remind of the call elapse time in case of outgoing CO conversation
Automatic Hold	ON/OFF	ON	While on a CO line, the station user seizes another CO line by depressing the {CO} button. The first CO line goes on Hold automatically (STA2:ON).
CO Call Time Restriction	ON/OFF	OFF	If this flag is set to YES, a station's outgoing CO call may be disconnected when the CO call restriction timer (PGM180-Btn 17) expires
CO Line Access	ENABLE/DISABLE	ENABLE	The allowance to access individual CO line by dialing
CO Line Queuing	ENABLE/DISABLE	ENABLE	The allowance of queuing for a busy CO/group of lines
CO PGM	ENABLE/DISABLE	DISABLE	Determines if a station user can program CO button
PLA	ENABLE/DISABLE	ENABLE	The allowance to answer calls by simply lifting handset or pressing the [SPEAKER] button with the answering priority
Prepaid Call	ON/OFF	OFF	The allowance to use the Prepaid CO Call feature (refer to PGM180-Btn16)

Station Attributes II (PGM112)			
ITEM	RANGE	DEFAULT	REMARK
Speed Dial Access	ENABLE/ DISABLE	ENABLE	Allows access to system speed dial by the station
Two Way Record	ON/OFF	OFF	During incoming or outgoing call, user can record the conversation of both parties.
Fax Mode	ON/OFF	OFF	In Fax mode, Single ring and No Attendant Recall
Off-net Call Mode	EXT/ALL	ALL	ALL: Internal Off-net Call Fwd and External Off-net Call Fwd are allowed. EXT: only External Off-net Call Fwd is allowed
UCD Grp Service	ON/OFF	OFF	When DID/DISA call destination is STA: ON: ring to UCD Grp to which the station belongs OFF: ring to the station
Ring Grp Service	ON/OFF	OFF	When DID/DISA call destination is STA, ON: ring to Ring Grp to which the station belongs OFF: ring to the station
Stop Camp On Tone	ENABLE/ DISABLE	DISABLE	ENABLE prevents the Camp on Tone from sounding
Line Length	SHORT/ LONG/ FAR	SHORT	Line Length
MSG SCRL SPD	0-7	3	Scroll speed when a broadcasting message is displayed
Block Back Call	ON/OFF	OFF	To prevent unattended recalling, the 1st CO line will be disconnected if an SLT seizes a 2nd CO line with FLASH
I-Time RST	ON/OFF	OFF	Internal RST
Stn Auth Chk	ON/OFF	OFF	Station authentication check
Reserved	ON/OFF	OFF	--
Door Open	EN/DIS	EN	Door open enable
Dummy Stn	ON/OFF	OFF	Dummy Station Usage
Emergency Supervisor	ON/OFF	OFF	

Station Attributes III (PGM113)			
ITEM	RANGE	DEFAULT	REMARK
ADMIN	ENABLE/ DISABLE	DISABLE	ENABLE allows the station to program the Admin Database. This feature is available at only DKTUs (STA 100 is Enabled by default).
VMIB Access	ENABLE/ DISABLE	ENABLE	ENABLE allows access to the Digital Voice Unit
Group Listening	ENABLE/ DISABLE	DISABLE	ENABLE allows the station to use group listening (While you are talking on handset, by pressing the [SPEAKER] button, other persons around you may hear the conversation through the speaker of the key telephone).
Override Privilege	ENABLE/ DISABLE	DISABLE	ENABLE allows the station to override a CO line to gain access to the conversation
SMDR Hidden Dialed Digits	ENABLE/ DISABLE	DISABLE	ENABLE allows the station to hide CO dialing numbers from SMDR printing
Voice Over	ENABLE/ DISABLE	DISABLE	ENABLE allows the station to use Voice Over feature
Warm Line	HOT/ WARM	WARM	This field is determined that Warm Line (OFF) or Hot Line (ON) in PGM 122.
VMIB MSG Password	ON/OFF	OFF	ON allows the station to use VMIB MSG Password attributes
VMIB MSG Date/Time	ON/OFF	ON	The allowance to use VMIB MSG
ALARM Attribute	ON/OFF	OFF	Basic Alarm
Mute Ring Service	ON/OFF	ON	Mute Ring Service configuration
Call Cut Off Timer	00-99	00	If the timer expires, the call is released and the user receives a disconnect tone
Barge In Mode	0-2	0	0: OFF 1: Monitor Mode: The intruding extension can listen to the existing conversation but cannot participate. 2: Speech Mode: The intruding extension can listen to and join to the existing conversation.

Station Attributes III (PGM113)			
ITEM	RANGE	DEFAULT	REMARK
Auto Forward to VMIB	ON/OFF	ON	
Station Port Block	ON/OFF	OFF	If this value is set to ON, the station is blocked and it is impossible to use that station

ISDN Station Attributes (PGM114)			
ITEM	RANGE	DEFAULT	REMARK
CLIP LCD Display	ON/OFF	ON	This field is determined whether a station displays CLIP
COLP LCD Display	ON/OFF	OFF	This field is determined whether a station displays COLP
CLI / Redirect Display	0-1	0	To Select Original CLI or Redirected CLI. 0: Original CLI, 1: Redirected CLI
CLI MSG Wait	ON/OFF	OFF	An ON setting allows a station to receive CO message wait indications
Ext or CO ATD	ATD/EXT	EXT	To Select EXT (extension number) or CO ATD to make outgoing CLI or COLP information
Keypad Facility	KEYPAD/DTMF	DTMF	This field determines whether an ISDN station sends digit in DTMF or keypad facility after connected
LONG/SHORT	LONG/SHORT	SHORT	This field determines whether an ISDN station acts in Short passive mode or in the Long mode.
CPN Type	0-2	0	This field indicates how the CPN IE is filled in SETUP message. 0: Do not sent CPN (Called Party Number) to S0. In this case, all S0 STA of the S port will be ringing. 1: Send station number as CPN 2: Bypass the CPN from the network. (In options 1 & 2, only one specific STA will be ringing)

ISDN Station Attributes (PGM114)			
ITEM	RANGE	DEFAULT	REMARK
Sub Address	0-2	0	This field indicates how the sub-address is used in the SETUP message. 0: Station sub-address not used. 1: Sub-address is filled in the CPN field of SETUP message. 2: Sub-address is filled in the CPSN (Called Party Sub-address Number) field of SETUP.
DISA Restriction	ON/OFF	OFF	If this value is set to ON, the station is restricted to receive the DISA incoming call.
CLI Name Display	ON/OFF	OFF	If this field is ON, the system checks whether the received CLI matches speed dial data. If they match, the speed dial name displays.
ISDN CLI STA	Max 4 digits	Logical STA No.	If outgoing CLI is active and CLI type is EXT, this field used when make outgoing CLI.
Progress Indication	ON/OFF	OFF	If this field is set to ON and an SLT seizes an ISDN line, the progress indication IE that indicates the originator is non-ISDN device is made in the SETUP message.
ISDN CLIR	ON/OFF	OFF	If this field is set to ON, does not send CLI Information and restrict PX send it
ISDN COLR	ON/OFF	OFF	If this field is set to ON, does not send CLI Information and restrict PX send it
DID Restriction	ON/OFF	OFF	Restrict the DID Call
DID Call Wait	ON/OFF	OFF	New DID Call waiting indicator
CLI Type	0-1	0	1: Long: Use station CLI with PGM114-BTN19. (max 12) 0: Short: Use station CLI with PGM114-BTN12 (max 4)
Long Station CLI	Max 12 Digits	Logical STA No.	If outgoing CLI is active and CLI type is EXT, this field used when making outgoing CLI
MSN Wait	ON/OFF	OFF	New virtual MSN call waiting enable
Long CLI 1	Max 16 Digits	Long CLI 1	
Long CLI 2	Max 16 Digits	Long CLI 2	
CC Blocking	ON/OFF	ON	

Flex Buttons Assignment (PGM 115)

This feature is to enable programming flexible button and copy feature (PGM 125). Select [Flexible button assignment] from the popup menu and the configuration window displays.

Operation

1. Select [Flex Button Assignment].
2. Click the [Update] button to edit data.

Flex Button	Type	Value
1	{LOOP}	
2	{LOOP}	
3	Not Assigned	
4	Not Assigned	
5	Not Assigned	
6	Not Assigned	
7	Not Assigned	
8	Not Assigned	
9	Not Assigned	
10	Not Assigned	
11	Not Assigned	
12	Not Assigned	
13	Not Assigned	
14	Not Assigned	
15	Not Assigned	
16	Not Assigned	
17	Not Assigned	
18	Not Assigned	
19	Not Assigned	

3. To assign another function to a flex button, click on the flex button and then click [Setting]. The following dialog window displays.

Flex Button Assignment(PGM115/125)

Refresh Close

Current Station 1002 Copy To D55 (PGM125)

Flex Button	Type	Value
1	{LOOP}	
2	{LOOP}	
3	{CO xx} Button	1
4	{CO xx} Button	2
5	{CO xx} Button	3
6	{CO xx} Button	4
7	{CO xx} Button	5
8	{CO xx} Button	6
9	{CO xx} Button	7
10	Not Assigned	
11	Not Assigned	
12	Not Assigned	
13	Not Assigned	

Update Tool

Flex Button Type Value

3 {CO xx} Button 1

☒ Auto Increment

☐ Auto Copy

Update Close

- Refer to the table below, and select the type and type the data in the update tool. Pressing [Update], displays the changed values. If the data is not in the range specified in the table, you will receive an error message.

Before you enter the new value, check the data with the Station Attributes I (PGM111) window to avoid entering duplicated values.

[Auto Increment] means that you don't need to select the next index. If this field is enabled and you press the [Update] button, PC Admin will increase the Flex button index automatically. So, you can continue programming buttons without moving cursor to next index (from V3 only).

[Auto Copy] :If this field is enabled, you can copy a button to another button without deleting and reprogramming the same data. For example, Flex Button 10 has station 1000 and you want to move this PGM to BTN 11. Select Flex Button 10 and press the [Update] button with enabled [Auto Copy]. Then PC Admin and the MPB will delete the function under Flex Button 10 and save the same data under Flex Button 11. Duplication is available with some PGMs (Ex:Loop button) and some PGMs will not be allowed dependant on MPB validation.

[Auto Increment] and [Auto Copy] are exclusive. You can select only one at one time.

Information for Flex Button Assignment			
NO.	TYPE	RANGE	REMARK
1	User Button	--	User can program by button programming procedure.
2	{CO xx} Button	01-12	CO Line
3	{CO Grp xx}	01-24	CO Group
4	{LOOP}	Loop Button	--
5	{STA xxxx}	100-131	Station Number
6	STA PGM Button	11-99	--
7	{STA SPD xx}	00-99	Station Speed Bin
8	{SYS SPD xxxx}	2000-2499	System Speed Bin
9	Num Plan Button	Num Plan Code	--
10	Net DSS Button	Net DSS number checked by MPB	When using the Networking feature
11	Reserved	--	--

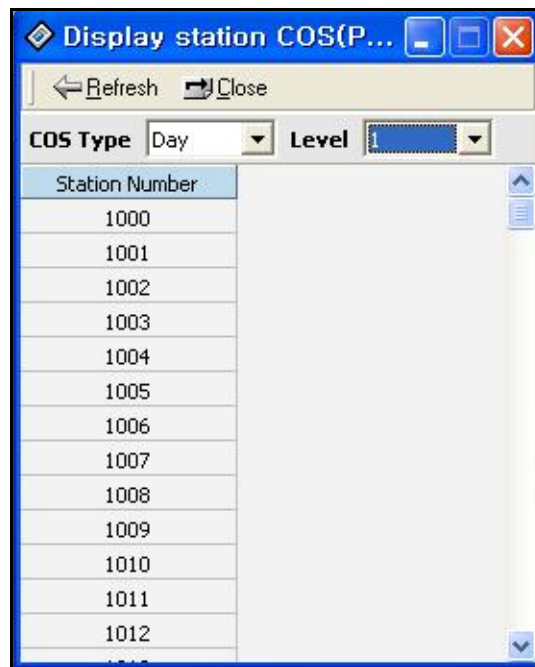
Station COS (PGM 116)

You can change the COS (Class of Service) for each station. COS is from COS 1 to COS 7. All station COS for day and night operation is COS 1 by default.

For a particular call, the CO COS is combined with station COS to determine the restriction. Each station must be assigned a class of service which governs the station's toll restriction for the day and night operation. The weekend COS is same as night COS.

Operation

1. Click [Display Station COS].
2. For day and night you select a station COS, and press the [Refresh] button. You can see the COS information that you have selected.



3. To update the COS level, select the [update] button in the popup menu. Then you see the following window where you can change values. With this window, you can edit one station or a station range.

Display station COS(P...

Refresh Close

COS Type Day **Level** 1

Station Number
1000
1001
1002
1003
1004
1005
1006
1007
1008
1009
1010
1011
1012

Update Tool

Station

Day COS Night COS

Update

Start **End**

Day COS Night COS

4. After entering the values, press the [Update] button to save the changes.

CO Group Access Station (PGM 117)

You can divide the CO lines by group, and give a station access to a specified CO line group. All stations can access any CO line by default.

Operation

Click [CO Group Access Station].

This feature has the same operation as Station COS. You can see the accessible group base station list. If you wants to see the stations which are accessible to group 1, select the CO group number 1 and press the [Refresh] button. Then stations that can access CO group 1 will display.

CO Group Access Station(PGM1... Refresh Close

CO Group 1

Station Number
1000
1001
1002
1003
1004
1005
1006
1007
1008
1009
1010
1011
1012
1013
1014
1015
1016
1017
1018

Update Tool

CO Group

Station

Get

Update

Station

Station

Get

Update

Close

Internal Page Zone Access (PGM 118)

Each station can be assigned to an internal paging zone. You can assign a station in a number of zones or no zone at all. If a station is not in any internal zone, it will not receive any page announcement. The system supports 5 internal paging zones.

Operation

1. Click [Internal Page Zone Access].
2. Select the page zone number and click [Refresh] button. Then the available station list will be displayed.
3. The rest of the operation is the same as the CO Group Access feature.

Conference Page Zone (PGM 119)

Each station can be assigned to a conference paging zone. You can assign a station in a number of zones or no zone at all. The system supports a total of 5 conference paging zones.

Operation

1. Click [Conference Page Zone].
2. Select the conference page zone and click [Refresh] to see the station list that is able to access a specified conference page zone.
3. The rest of the operation is the same as PGM 118.

ICM Tenancy Group (PGM 120)

You may assign a station to an ICM Tenancy Group, and restrict ICM Tenancy Groups to call each other. Each ICM Tenancy Group can be assigned a different attendant.

Operation

1. Click [ICM Tenancy Group]. Then all ICM tenancy group information is displayed on one screen.
2. Select an ICM Tenancy Group that you want to change and click the [Update] button in the popup menu.

Group	ATD Station	Access Group				
Group	ATD Station	1	2	3	4	5
1	V	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3. Put an attendant station number for the ICM Tenancy Group you have just selected.
4. Click each ICM group check box that you want to access.
5. After all changes press the [Update] button to save changes.

Preset Call Forward (PGM 121)

If a station does not respond to an outside call for a certain period of time, the call may be forwarded to another station.

Operation

1. Click [Preset Call Forward]. Then programmed preset call forward pair will be displayed.
2. If there is no pair data, the window will not display anything.

Station	Type	Value

Update Tool

Station	Type	Value
	STA	1000

< > Update Close

3. To edit the preset forward pair, select the [Update] menu in the popup menu.
4. After entering all data, press the [Update] button on the Update Tool panel.

Hot/Warm Line Selection (PGM 122)

This feature lets a station perform a pre-assigned feature as soon as lifting the handset or pressing the [SPEAKER] button as if a station selects the feature (Hot Line). On the other hand, Idle Line Selection for a station which is assigned to a warm line is activated when you take no action for Warm Line Timer setting after lifting the handset or pressing the [SPEAKER] button (Warm Line). Warm line is programmable at PGM 113.

All stations are not assigned any Idle Line Selection by default.

Operation

1. Click [Hot/Warm Line] then you will see the list of Hot/Warm line programming.
If there is no data, the table will be empty.
2. Select [Update] in the popup menu to edit the data.

Station	Idel Line Assign Type	Value
---------	-----------------------	-------

Station	Idel Line Assign Type	Value
	Flex. BTN	22

4. After setting data, press the [Update] button to save changes.

Information for Hot/Warn Line Selection		
ITEM	RANGE	REMARK
Flex Btn	01-48	To activate a feature on a flex button as if pressed
CO Line	01-12	To seize a CO Line
CO Group	01-24	To seize a CO Line Group
Station	100-131	To call another station

SMDR Account Group (PGM 124)

Stations can be assigned as a member of a call account group on SMDR. A station belongs to only one call account group. The system supports 24 SMDR Account Groups.

By default, all stations are not assigned as a member of any Call Account Group.

Operation

1. Click [SMDR Account Group].
2. Click [Setting], and set the station range.
3. Select an account group.

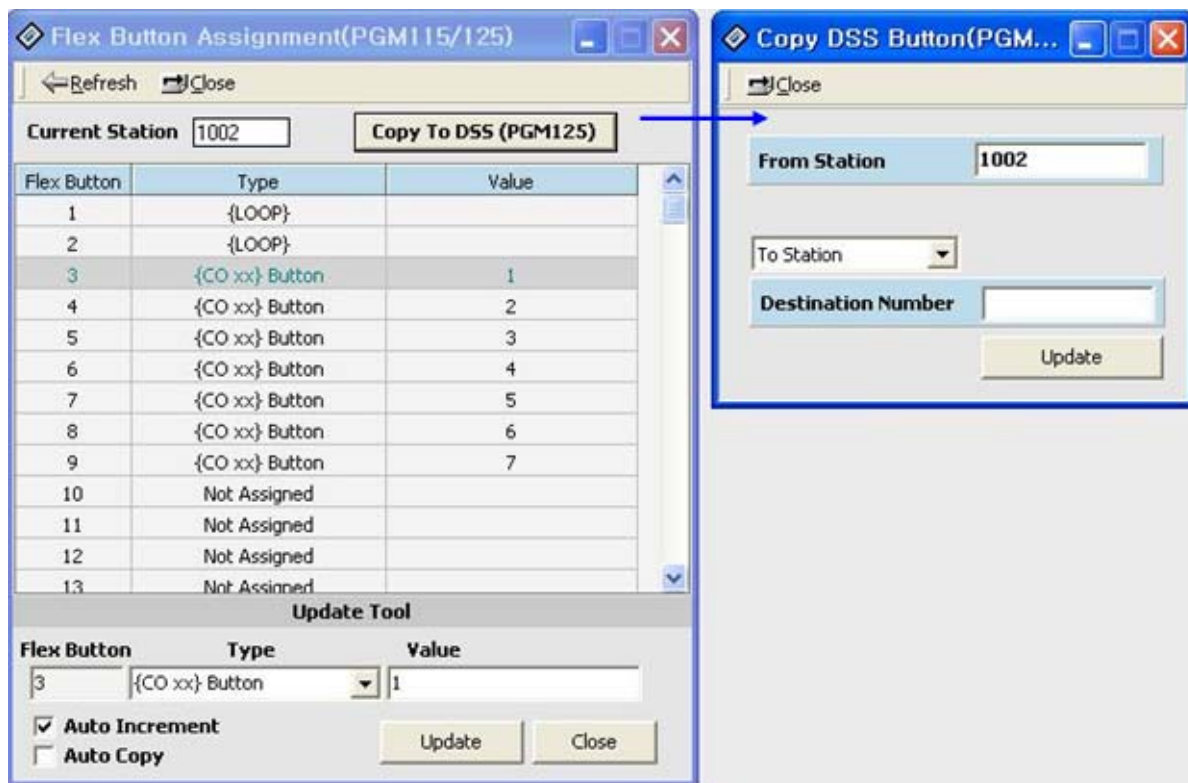
The screenshot shows the 'SMDR Account Group (PGM 124)' window. At the top, there's a title bar with standard window controls and a 'Refresh' button. Below the title bar, there's a dropdown menu for 'Account Group' currently set to '0'. A list of stations is displayed on the left, ranging from 1000 to 1015. On the right side, there's an 'Update Tool' section. It contains two input fields for 'Station' and 'Account Group', with a dropdown arrow next to the 'Account Group' field. Below these are 'START' and 'END' time fields. There are 'Update' and 'Close' buttons at the bottom right of the window.

Copy DSS Button (PGM 125)

The assigned DSS button of DKTU can be copied to another station or ICM group. This does not apply to the DSS Box.

Operation

1. Click the [Copy DSS Button].
2. Enter the station number and select the type of destination.
You can select the two type of destination. One is station and the other is ICM Group.
3. After entering the data, press the [Apply] button to save the data.



Station IP List for CTI (PGM 126)

You can make a CTI connection with LAN connection. To use this feature, you must enter the IP address of PC that you want to use CTI with. For example, if you use station 10 and its IP address is 10.0.0.5 then you should enter this table with station 10 and IP Address 10.0.0.5.

You can enter this mapped table up to a max station number of the SBX IP 320 system. But the limitation depends on the lock key that is installed on the SBX IP 320 system.

Display Station with COS (PGM 130)

This feature is linked to Station COS PGM 116. Refer to PGM 116 Station COS Display.

CO Group Access Station (PGM 131)

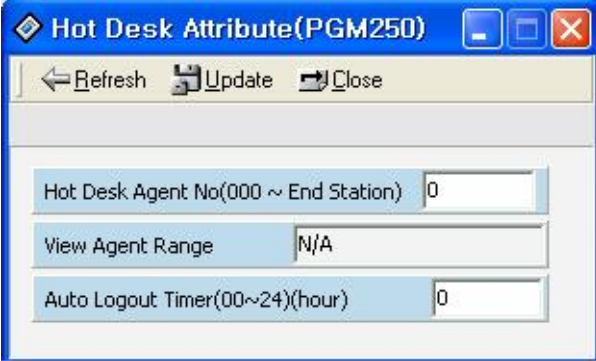
This feature is linked Station COS PGM117. Refer to PGM 116 CO Group Access Display.

Hot Desk Attribute (PGM 250)

Operation

[Station Base Program] > [Hot Desk Attribute].

You can change only two items on the screen. One is the Hot Desk Agent Number and the other is the AutoLogout Timer. View Agent Range will only display the assigned range by first item. The assigned range will start from the last station.



Hot Desk Attribute(PGM250)	
← Refresh Update Close	
Hot Desk Agent No(000 ~ End Station)	0
View Agent Range	N/A
Auto Logout Timer(00~24)(hour)	0

CO Line Base Program

Use this CO Line Base Program to change CO Line features. The program numbers are from PGM140 TO PGM147.

CO Related Admin (PGM 140/141/142/143/146/147)

This PC Admin links various features that are related to each other. So, you can move to another programming with popup menu.

Operation

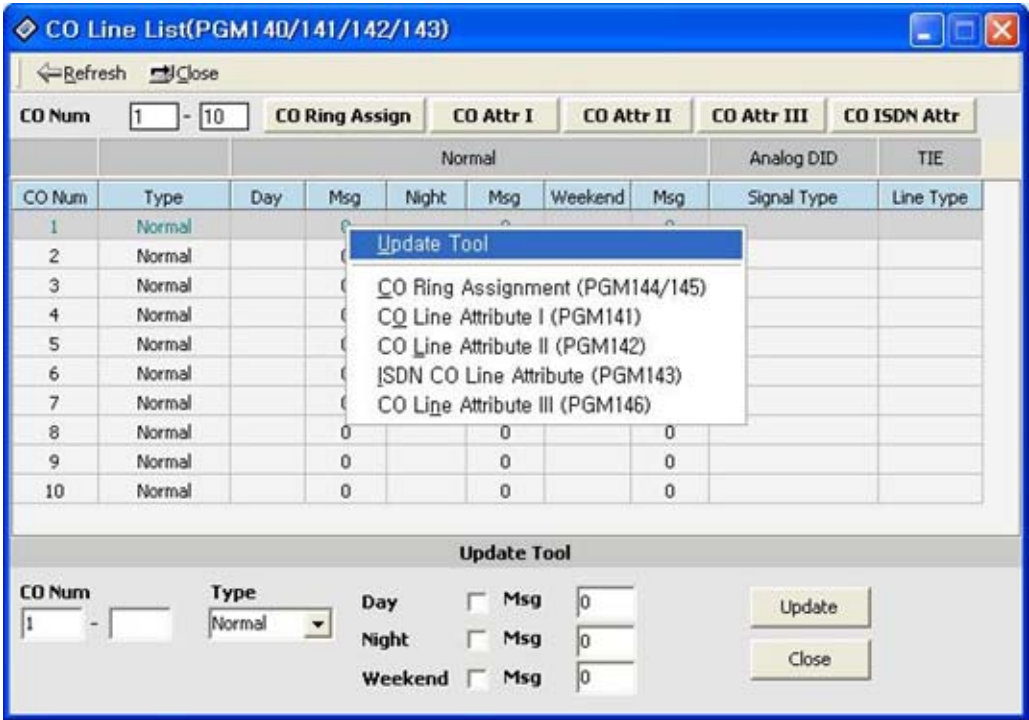
Select [CO Line List]. Then you will see the following window that displays CO line basic information. (PGM140).

If you want to check a range, enter the range in the index field.

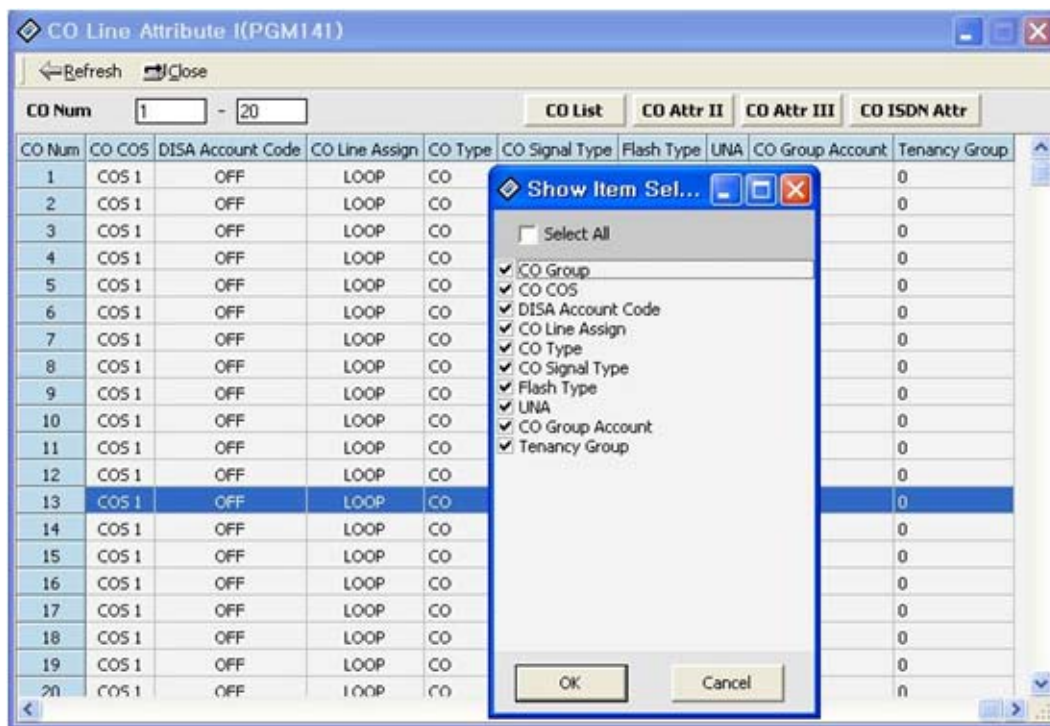
Otherwise you may press the [Refresh] button. Then PC Admin will search and display information for the entire CO range.(1 - NO_OF_COLS).

CO Num	Type	Day	Msg	Night	Msg	Weekend	Msg	On Demand	Msg	Signal Type	Line Type
1	Normal		0		0	V	0#		0		
2	Normal		0		0	V	0#		0		
3	Normal		0		0	V	0#		0		
4	Normal		0		0	V	0#		0		
5	Normal		0		0	V	0#		0		
6	Normal		0		0	V	0#		0		
7	Normal		0		0	V	0#		0		
8	Normal		0		0	V	0#		0		
9	Normal		0		0	V	0#		0		
10	Normal		0		0	V	0#		0		
11	Normal		0		0	V	0#		0		
12	Normal		0		0	V	0#		0		
13	Normal		0		0	V	0#		0		
14	Normal		0		0	V	0#		0		
15	Normal		0		0	V	0#		0		
16	Normal		0		0	V	0#		0		

With this window, you can select a linked menu by selecting a popup menu.
If you select the update menu:



The following CO Line Attributes and view option window displays when you select the CO Attribute 1 menu from the popup menu.



You can select the attributes that you want to check with the view menu.

This is same architecture for PGM 142/143/146/147

You can also review the CO data without entering the CO range. It can be done from the [configuration] menu directly. If you select the CO board and select the [CO data view] menu from the popup menu as shown in the following tables. Then PC Admin will read the data for the selected board range automatically. So, you don't need to enter the range manually.

CO Service Type (PGM140)	
ITEM	REMARK
Normal CO	All lines are assigned as normal CO lines by default. Each CO line in the system can be programmed as a DISA (Direct Inward System Access) line and the DISA types are as follows: - Flex BTN 1 (Day) / 2 (Night) / 3 (Weekend) - Each DISA type (BTN 1-3) has sub-attributes F1: DISA Service On/Off. F2: VMIB Message No.(Voice announcement(VMIB Message) can be assigned (00-70) and it is not assigned (00) as default
Reserved	--
ISDN DID/MSN	
Reserved	--
DCO DID	DCO DID Line (This type will be valid in a few countries. For example, Korea)

CO Line Attributes I (PGM141)			
ITEM	RANGE	DEFAULT	REMARK
CO Line Group	00-25	01	Groups should be assigned according to CO type and Class-Of-Service.
CO COS	1-5	1	-CO COS 1: no restriction -CO COS 2: Exception Table A governs -CO COS 3: Exception Table B governs -CO COS 4: restricts Long Distance Code -CO COS 5: overrides STA. COS 2,3,4 and 5, 6.
DISA Account Code	ON/OFF	ON	When accessing another CO line in the system by DISA line, you should enter authorization code if this flag is set.
CO Line Assign	POL/LOOP	LOOP	Polarity Reverse, Loop Start
CO Line Type	PBX/CO	CO	When marked PBX, a 1 or 2 digit dial code may be entered, after which toll restriction is applied.
CO Line Signal Type	DTMF/PULSE	DTMF	--
Flash Type	GROUND/LOOP	LOOP	--
UNA	ON/OFF	OFF	The allowance of Universal Night Answer service
CO Line Group Account	ON/OFF	OFF	--
CO Tenancy Group	0-5	5	Tenancy Group of CO line.

CO Line Attributes II (PGM142)			
ITEM	RANGE	DEFAULT	REMARK
CO Line Name Display	ON/OFF	OFF	If CO Line name is assigned at BTN2, and this field is ON, CO name is displayed for CO incoming calls
CO Line Name Assign	Max 12 characters	--	--
Metering Unit	00-06	00	There are 7 metering signal types: - 0: None - 1: 50 Hz - 2: 12 KHz - 3: 16 KHz - 4: Singular Polarity Reverse (SPR) - 5: Plural Polarity Reverse (PPR) - 6: No Polarity Reverse (NPR)
Line Drop Using CPT	ON/OFF	OFF	If this field set to ON, CPT checks the incoming CO line when answered and if CPT detects dial tone, then the system drops the line for toll restriction.
CO Distinct Ring	0-4	0	The CO can have a specific ring signal to stations in the system through this field's setting. This ring type can be programmed at PGM422.
CO Line MOH	0-9	1	0: Not assigned by this field. 1: Internal Music 2: External Music 3: Reserved 4-8: SLT MOH 9: HOLD Tone
PABX CO Dial Tone	YES/NO	YES	YES: PX or PABX provides dial tone. NO: PX or PABX does not provide dial tone. System provides dial tone

CO Line Attributes II (PGM142)			
ITEM	RANGE	DEFAULT	REMARK
PABX CO Ring Back Tone	YES/NO	NO	If R2 PX which does not give us tone for called party status exists, then the system provides tone according to cause value (This field is only when Cause means that Ring back is provided by PX.). YES: PX, NO: System
PABX CO Error Tone	YES/NO	NO	If R2 PX which does not give us tone for called party status exists, then the system provides tone according to cause value (This field is only when Cause means that error tone is provided by PX.). YES: PX, NO: System
PABX CO Busy Tone	YES/NO	NO	If R2 PX which does not give us tone for called party status exists, then the system provides tone according to cause value (This field is only when Cause means that busy tone is provided by PX.). YES: PX, NO: System
PABX CO Announce Tone	YES/NO	NO	If R2 PX which does not give us tone for called party status exists, then the system provides tone according to cause value (This field is only when Cause means that announcement is provided by PX, but the system provides only error tone.). YES: PX, NO: System
CO Flash Timer	000-300	005	10 msec base
Open Loop Detect Timer	00-20	00	100 msec base
Line Length	SHORT/ LONG	SHORT	Line Length of CO (TELKOM only)
DISA Answer Timer	1-9	2	--
DISA/DID Delay Timer	1-9	1	--

CO Line Attributes II (PGM142)			
ITEM	RANGE	DEFAULT	REMARK
Reserved	--	--	--
Busy/Error CPT	ON/OFF	OFF	

ISDN CO Line Attributes (PGM143)			
ITEM	RANGE	DEFAULT	REMARK
COLP Table Index	00-50	Not Assigned	To make called party number with assigned COLP Table entry. (PGM 201) 00-49: PGM 201 Bin No. / 50: PGM 11-BTN 5
CLIP Table Index	00-50	Not Assigned	To make calling party number with assigned CLIP Table entry. (PGM 201) 00-49: PGM 201 Bin No. / 50: PGM 11-BTN 5
Call Type	0-4	2	0: Unknown 1: International 2: National 3: Not used 4: Subscriber
DID Conv Type	0-2	0	0: convert digits by DID Dgt Conversion (PGM230) 1: call to the valid extension. 2: convert digits by Flex DID Table (PGM231)
DID Remove No.	00-99	00 =Not Assigned	Remove received digits from the left of the assigned #
ISDN Enblock Send	ON/OFF	OFF	ON: Enblock Sending Mode OFF: Overlap Sending Mode
CLI Transit	ORI/CFW	CFW	1: ORI : Send CLI as the originating caller's CLI. 2: CFW : Send CLI as the call forwarded station's CLI.
Numbering Plan ID	0-7	0	F1 : Calling NPI / F2 : Called NPI

ISDN CO Line Attributes (PGM143)			
ITEM	RANGE	DEFAULT	REMARK
ISDN Call Deflection	ENABLE/ DISABLE	DISABLE	ISDN call deflection service usage. Norway only.
ISDN DGT RM	ON/OFF	OFF	
ISDN CP Inband	ON/OFF	OFF	
CLI Type	0-2	0	0: Normal 1: Long CLI 1 (PGM114-F21) 2: Long CLI 2 (PGM114-F22)
Reserved	--	--	--
Screening	0-3	0	0: User Provided, No S 1: User Provided, Pass 2: User Provided, Fail 3: Network Provided

CO Line Attributes III (PGM146)			
ITEM	RANGE	DEFAULT	REMARK
Incoming Prefix Code Insertion	ON/OFF	OFF	If this value is set to ON, a prefix code will be attached in front of incoming CLI.
Outgoing Prefix Code Insertion	ON/OFF	ON	If this value is set to ON, a prefix code will be attached in front of outgoing CLI.
ISDN Line Type	u-Law/A-Law	A-Law	This value is used to set the ISDN CODEC Type.
Calling Sub-Address	ON/OFF	OFF	If this value is set to ON, the calling party sub-address of the ISDN station is attached when an ISDN station makes an outgoing CO Call through this CO Line.
DID DGT Receive Number	2-4	3	This value is used as count of the received DID Digit number to route DID incoming Call.

CO Line Attributes III (PGM146)			
ITEM	RANGE	DEFAULT	REMARK
DID Digit Mask	4 digits	####	When the DID Conversion Type (PGM 143 - FLEX4) is set to 0, the received DID digits are converted by this value. The digits 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".
R2 Collect Call	0: Disable 1: Double Answer 2: With Indicator	Disable	If this feature is set to ON (1,2), R2 collect call is served
Collect Call Answer Timer	001-250	010	This feature is used when R2 call is answered (Brazil only)
Collect Call Idle Timer	001-250	010	This feature is used when R2 call is answered (Brazil only)

CO Ring Assignment (PGM 144/145)

Each station can be assigned to receive a CO ring for only a certain period of time such as day, night, weekend, and On-demand.

Operation

1. Select the [CO Ring Assignment].
2. Select CO Number in [CO Num] field to read the data.
3. To change data, select the [Update] menu in the popup menu. After changing each destination and delay, press the [Update] button to save changes.

The screenshot displays the 'CO Ring Assignment(PGM145)' window. At the top, there are 'Refresh' and 'Close' buttons. Below them is a 'CO Num' dropdown menu set to '1'. The main area contains four tables: 'Day', 'Night', 'Weekend', and 'On Demand'. Each table has two columns: 'Destination' and 'Delay'. The 'Day' table shows 'Station 1001' with a delay of '0'. The other tables also show 'Station 1001' with a delay of '0'. An 'Update Tool' popup is open in the center, featuring 'Start' and 'End' fields, a 'CO Num' dropdown set to '1', and three fields labeled 'Mode', 'Type', and 'Number'. At the bottom of the popup are 'Update' and 'Close' buttons.

CO CID Attributes (PGM 147)

User can assign some attributes related with CID setting.

Operation

1. Click [CO CIDU Attribute].
2. Enter the CO range for which you want to program CID attributes. Then current values will be displayed.
3. Select or enter each field and press the [Update] button to save data.
4. This menu was linked in other CO programming field.

CO CIDU Attribute(PGM147)

Refresh Close

CO Num - CO List CO Attr I CO Attr II CO Attr III

CO Num	CID Mode Select	CID Name Display
1	OFF	TEL
2	OFF	TEL
3	OFF	TEL
4	OFF	TEL
5	OFF	TEL
6	OFF	TEL

Update Tool

CO Num ☒ CID Mode Select OFF
 ☒ CID Name Display TEL

Select All ☒

CO CIDU Attribute (PGM147)			
ITEM	RANGE	DEFAULT	REMARK
CID Mode Select	0-4	FSK	User can select CID type (0: OFF, 1: FSK, 2: DTMF 3: RUSSIA CID, 4: RUSSIA AUTO)
CID Name Display	NAME/TEL	TEL	Analog CO line CLI carries the caller's telephone number and name. According to this ADMIN program value, LCD displayed data can be selected. If this value is set to NAME, the caller's name and telephone number will display on the LCD. If this value is set to TELEPHONE NUMBER, the caller's telephone number will displayed on the LCD. 1: Name & TEL, 0: TEL

System Base Program

Use the System Base Program to change any system features.

System Attributes (PGM 160/161/163)

This area of programming changes system attributes.

Operation

1. Select System Attributes in main menu. The System Attribute I window will be display and you can select System Attribute II or III by pressing each button.
2. After editing, press the [Update] button to save the changes.

System Attributes(PGM160/161/163)

← Refresh Update Close

Attribute I	Attribute II	Attribute III
ATD Call Queuing Ring-Back Tone	MOH	▼
Camp-On MOH / Ring-Back Tone	MOH	▼
CO Line Choice	LAST	▼
DISA Retry Count	3	▼
ICM Continuous Dial Tone	CONT	▼
CO Dial Tone Detect		<input type="checkbox"/>
External Night Ring		<input type="checkbox"/>
Hold Preference	System	▼
Multi-line Conference		<input checked="" type="checkbox"/>
SMDR Print LCR Convert		<input type="checkbox"/>
Conference Warning Tone		<input checked="" type="checkbox"/>
Offnet Prompt Usage		<input checked="" type="checkbox"/>
Offnet DTMF Tone		<input checked="" type="checkbox"/>
CO Voice Path Connect	DGT	▼
Transfer Tone	RBT	▼

System Attributes I (PGM160)			
ITEM	RANGE	DEFAULT	REMARK
Attendant Call Queuing Ringback Tone	RBT/MOH	MOH	MOH: The station will present ring back tone when calling busy attendant station. RBT: The station will present MOH, hold tone, or DVU-MOH by system database (PGM 171-BTN 2)
Camp-on RBT/MOH	RBT/MOH	MOH	MOH is heard in camp-on or Ringback tone is heard in camp-on.
CO Line Choice	LAST\ROUND	LAST	The method of a CO line seizing on CO Line Groups access
DISA Retry Counter	0-9	3	When the DISA user fails to call Station or access a feature, then the DISA user can retry another call or feature within the limit of the retry counter. If the DISA user cannot access appropriately within this counter, the system disconnects the DISA Line automatically.
ICM Continuous Dial Tone	CONT/DISCONT	CONT	This field sets whether ICM dial tone is continuous or not.
CO Dial Tone Detect	ON/OFF	OFF	When the speed dial is activated, system detects dial tone using CPT instead of pause timer.
External Night Ring	ON/OFF	OFF	When CO lines are marked to UNA, ringing will be sent to LBC1 when an incoming call occurs on those lines during night service.
Hold Preference	SYS/EXEC	SYS	System hold or exclusive hold
Multi-line Conference	ON/OFF	ON	The system allows a conference with multi-CO lines.
Print LCR Conv Dgt	ON/OFF	ON	Print dialed digits or LCR conversed digits in LCD
Conference Warning Tone	ON/OFF	ON	When entering a conference, members will receive a warning tone

System Attributes I (PGM160)			
ITEM	RANGE	DEFAULT	REMARK
Off-net Prompt Usage	ON/OFF	ON	In case of Off-net call forward, Off-net prompt will be heard (It only applies to CO-to-CO Transfer).
Off-net DTMF Tone	ON/OFF	ON	In case of Offnet call forward, DTMF Tone will be heard (It only applies to CO-to-CO Transfer).
CO Voice Path Connect	IMM/DGT	DGT	Option to connect voice path after seizing CO line. Immediately. (CIS and Korea only)
Transfer Tone	RBT/MOH	RBT	Option to provide ring-back tone or MOH during transferring CO line.
CO to CO Xfer CPT Detect	ON/OFF	OFF	--
ACD Package Usage	ON/OFF	OFF	If this value is set to ON, ACD Information is printable.
CO to CO UC Timer Extend	ON/OFF	OFF	If this value is set to ON, the conference call user can extend the Unsupervised Conference Timer by dialing the UC TIMER EXTEND Code.
Call Log List Number	15-50	15	Number of call log entries
Reserved	--	--	--

System Attributes II (PGM161)			
ITEM	RANGE	DEFAULT	REMARK
Network Time/Date Setting <i>PX Time / Day / Month</i>	ON/OFF	OFF	If this field is ON, the system time/date are set by the network time/date.
Off-Hook Ring Type	MUTE/BURST	MUTE	The system off-hook ring type can be programmed to mute or one burst ring.

System Attributes II (PGM161)			
ITEM	RANGE	DEFAULT	REMARK
Override 1st CO Group	ON/OFF	ON	If this field is set to ON and if there is no available CO line in the 1st CO group, the system accesses the next accessible CO group.
Page Warning Tone	ON/OFF	ON	If desired, the page warning tone can be suppressed.
Auto Privacy	ON/OFF	ON	The system can be programmed to override a CO line call to gain access to the conversation. If privacy is disabled, a station privileged to override in PGM113-Btn 4 joins an existing call in progress.
Privacy Warning Tone	ON/OFF	ON	If desired, the privacy warning tone can be suppressed.
Single Ring for CO Call	YES/NO	NO	Changes a cadence of ICM or incoming CO ring. In case of NO, ICM: 1sec on/ 4sec off CO: 0.4s on/ 0.2s off/ 0.4s on/ 4sec off In case of YES, the cadence is the reverse.
Reserved	--	--	--
ACD Print Enable	ON (10s unit)/OFF	OFF	Enable or disable ACD Print features
ACD Print Timer	001-255	001	Determines the amount of time between repeated ACD database prints. Zero means no print out (10 sec base).
Clear ACD Database after Print	ON/OFF	OFF	Determines if ACD database initializes after print-out.
VMIB Prompt Gain	00-31	08	To control prompt gain level
VM with CLI Info	ON/OFF	OFF	If the setting is ON, CLI is added when Voice Mail information is printed through RS232 port by SMDI.
ACD Print Timer Unit	1: HOUR 0: SEC	SEC	Determines the unit of ACD Print timer of Flex Btn 10 (1 hour or 10 seconds)

System Attributes II (PGM161)			
ITEM	RANGE	DEFAULT	REMARK
Set VM SMDI Type	TYPE II/ TYPE I	TYPE I	Set VM SMDI type.
Incoming Toll Check	ON/OFF	OFF	Enable or disable the toll check for incoming calls
No DSS Indication	ENABLE/ DISABLE	DISABLE	Enable or disable the LED of the CO button while ringing for incoming, transfer and recalling. It is not applied for direct ringing such as DID/DISA.
UK Billing Mode	ON/OFF	OFF	If this value is set to ON, UK Billing Mode is applied (UK only).
COS 7 When Auth Fail	ON/OFF	ON	If authorization is failed with PGM227, COS will be COS 7 or not with this setting.
Auto Fax Transfer CO	01-36		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 BKSU) when tone is detected within programmed time.
5 Dgt Auth Code Usage	ON/OFF	OFF	
LCR Dial Tone Detect	ON/OFF	OFF	If this value is set to ON, the SBX IP 320 system first checks if the CO provides dial tone in case an analog CO line is seized for LCR dialing. If there is no dial tone, the call is rerouted to the Alternate DMT index. If the LCR type is set to M13, the LCR dial tone detect option is not applied.

System Attributes III (PGM163)			
ITEM	RANGE	DEFAULT	REMARK
Alarm Enable	ON/OFF	OFF	--
Alarm Contact Type	CLOSE/OPEN	CLOSE	--
Alarm Mode	ALARM/ BELL	ALARM	--
Alarm Signal Mode	RPT/ONCE	RPT	--

Admin Password (PGM 162)

Password is not assigned by default.

Operation

1. Click [ADMIN Password].
2. Enter 4 digits for Admin Password.



ADMIN Password(...)

← Refresh Update Close

Admin Password (PGM162)

- **Administrator Password**

Password

Confirm Password

Valid Digit : 0 ~ 9, * Delete

Attendant Assignment and VMIB Announcement Number (PGM 164/165)

A maximum of 5 Attendants can be assigned, including the Main Attendants and System Attendant. The System Attendant is different than Main Attendants in aspect of call handling and system management priority. The System Attendant has more priority than a Main Attendant. One System Attendant and four Main Attendants can be assigned. By default, the System Attendant is assigned Station 100, and others are not assigned.

Operation

1. Click [Attendant Assignment].
2. Assign a System Attendant (Net Number is not available)
3. Assign a Main Attendant (Network connected extension available).
 - Delete edit box to delete an assigned main attendant.
 - If you enter an invalid net number, the MPB will check validation of entered net number when you press the [Update] button.

Attendant Assignment(PGM164/165)

Refresh Update Close

System Attendant

Station Number 1001

Attendant

1002 Add Remove

Auto Attendant

Auto ATD Usage ☐

VMIB ANNC 0 (00 - 70)

CO-to-CO COS (PGM 166)

When a user of a DID/DISA/TIE line accesses another CO line, CO-to-CO COS is applied. The attributes of CO-to-CO COS are the same as the station COS.

Operation

1. Click [CO-to-CO COS].



2. Enter the COS numbers.

DID/DISA Destination (PGM 167)

A station can be programmed to forward a DID call to the attendant if the station is busy. Vacant or invalid calls are sent to the Main Attendant, or a busy tone is presented as set by admin programming.

Operation

Click [DID/DISA Destination].

- Error Destination (When a wrong number is pressed)
 - TONE: A tone will be heard.
 - ATD: Call will be forwarded to the attendant.
 - Station Group: Call will be forwarded to a station group.
- Busy Destination (When a station is busy)
 - TONE: A tone will be heard.
 - ATD: Call will be forwarded to the attendant.
 - Station Group: Call will be forwarded to a station group.
- No Answer Destination (When there is no answer), input a station group to be forwarded.
 - TONE: A tone will be heard.
 - ATD: Call will be forwarded to the attendant.
 - Station Group: Call will be forwarded to a station group.

DID/DISA Destination(PGM167)

Refresh Update Close

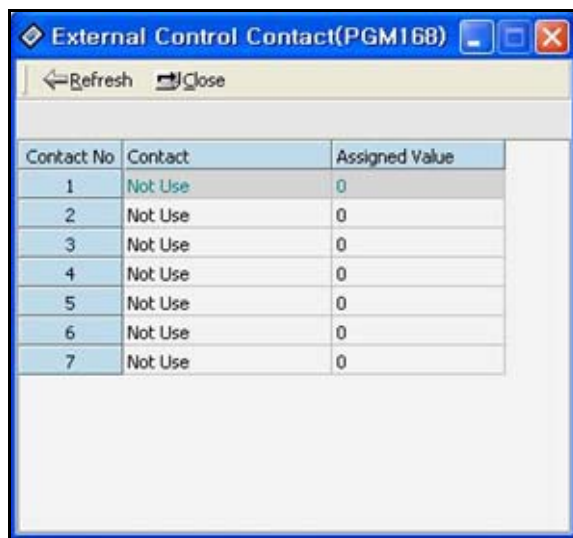
Section	Configuration	VMIB PROMPT USAGE
Busy	Tone: [Dropdown]	Busy Prompt Usage: <input checked="" type="checkbox"/>
Error	Tone: [Dropdown]	Error Prompt Usage: <input checked="" type="checkbox"/>
No Answer	Tone: [Dropdown]	DND Prompt Usage: <input checked="" type="checkbox"/>
Reroute Busy	Hunt Group: [Dropdown] 622	No Answer Prompt Usage: <input checked="" type="checkbox"/>
Reroute Error	Attendant (Ring Assign): [Dropdown]	ATD Xfer Prompt Usage: <input checked="" type="checkbox"/>
Reroute No Answer	Tone: [Dropdown]	

External Control Contact (PGM 168)

Loud Bell Control, Door Open, and External Device Control can be set to use an external control contact. The contact feature is ranged from 1 to 4. A default value is not assigned.

Operation

1. Click right button of mouse and select [Update]. Then you will see below window
2. After editing, press [Update] button on update panel to save changes.
4. Select one of the control contacts.
5. In case of Loud Bell Control, you should indicate a station to be assigned.



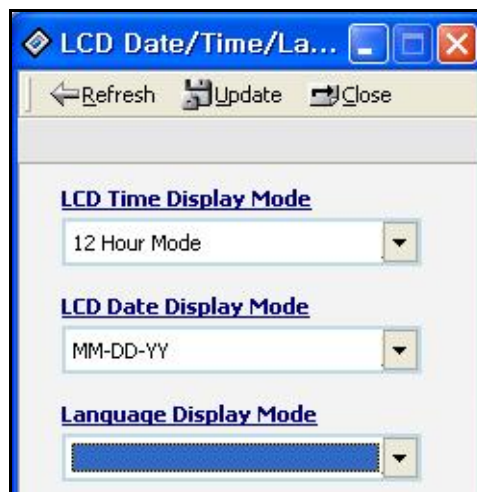
Contact No	Contact	Assigned Value
1	Not Use	0
2	Not Use	0
3	Not Use	0
4	Not Use	0
5	Not Use	0
6	Not Use	0
7	Not Use	0

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

You can set a different time/date/language display on the LCD screen.

Operation

1. Click [LCD Data/Time/Language Display Mode].
2. LCD Time Mode: 12 Hour Mode or 24 Hour Mode.
3. LCD Date Mode: MM-DD-YY or DD-MM-YY.
4. LCD Language: Select which language.

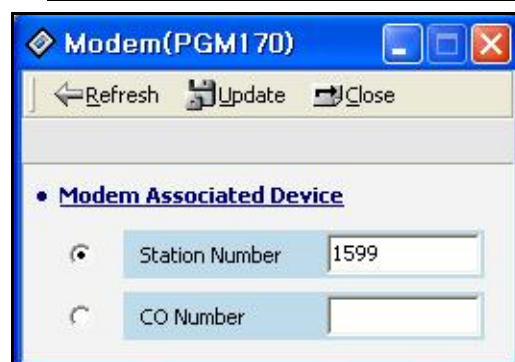


Modem (PGM 170)

It must be specified which station or CO line is connected to the modem. The last station is assigned as default and the CO line isn't assigned any default value.

Operation

1. Click [Modem].
2. The range for station is 100-131. Default value is last station number.



Music (PGM 171)

You can assign BGM (Background Music), MOH (Music On Hold), and ICM Box Music Channel. MOH is the music a caller can hear while waiting for his call to be picked up again.

Music(PGM171)	
← Refresh Update Close	
BGM Type	Assign SLT MOH 1 - 5
INT MUSIC	SLT MOH 1 STA Number
	SLT MOH 2 STA Number
	SLT MOH 3 STA Number
	SLT MOH 4 STA Number
	SLT MOH 5 STA Number
MOH Type	Dial Tone SRC Not Assign
INT MUSIC	ICM Ring Back Tone Src Not Assign
ICM Box Music Channel	
INT MUSIC	

Operation

1. Click [Music].
2. Refer to the table below and set the values.

ITEM	RANGE	DEFAULT	REMARK
BGM Type	0-8	01	00: No BGN 01: Internal Music 02: External Music 03: Reserved 04: SLT 1 05: SLT 2 06: SLT 3 07: SLT 4 08: SLT 5
MOH Type	0-9	01	00: Not Assigned 01: Internal Music 02: External Music 03: Reserved 04: SLT 1 05: SLT 2 06: SLT 3 07: SLT 4 08: SLT 5 09: Hold Tone
ICM Box Music Channel	0-8	01	00: No BGN 01: Internal Music 02: External Music 03: Reserved 04: SLT 1 05: SLT 2 06: SLT 3 07: SLT 4 08: SLT 5
Assign SLT MOH	--	Flex 1-5 (+ SLT STA No.)	SLT MOH 1-5
Dial Tone Source	0-5	0 (N/A)	To assign external dial tone, set the SLT station number of the SLT port.
ICM Ring Back Tone	0-5	0 (N/A)	To assign external ICM tone, set the SLT station number of the SLT port.
DID CO Ring Back Tone	0-5	0 (N/A)	To assign external DID ring back tone, set the SLT station number of the SLT port.
Internal MOH Type	00-12	00 = Romance	00: Romance 01: Turkish March 02: Greensleeves 03: Fur Elise 04: Carmen 05: Waltz 06: Pavane 07: Siciliano 08: Sonata 09: Spring 10: Campanella 11: Badinerie 12: Blue Danube

PBX Access Code (PGM 172)

You can make an outside call through the station. A maximum of 4 PABX Access Codes are assignable. A PABX Access Code is a 1- or 2-digit number. By default, PABX Access Codes are not assigned.

Operation

1. Enter a 1- or 2-digit code in the window. If you want to delete code, leave blank.
2. Press the [Update] button to save the changes.



The screenshot shows a window titled "PBX Access Co..." with a blue title bar and standard Windows window controls. Below the title bar is a toolbar with three buttons: "Refresh" (left arrow), "Update" (floppy disk), and "Close" (X). The main area of the window contains four rows, each with a label and a text input field:

Label	Input Field
PBX Access Code 1	12
PBX Access Code 2	33
PBX Access Code 3	
PBX Access Code 4	

At the bottom of the window, there is a note: "Max 2 digit (include '*' and '#')".

Preferred Line Answer (PLA) Priority (PGM 173)

You may set up the priority for the order in which calls are received.

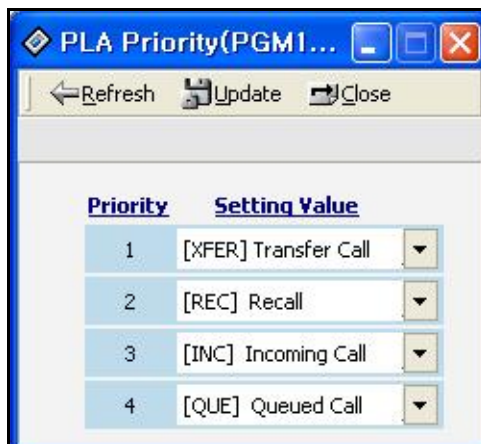
Operation

1. Click [PLA Priority]. Each item has the following meaning. Use the dropdown box in order to assign each call type by the desired priority.

- XFR: Transfer Call
- REC: Recall
- INC: Incoming Call
- QUE: Queued Call

You cannot assign a duplicated number. If you try to assign a duplicated number and click [Update], the program automatically reassigns the priority.

2. Press the [Update] button to save the changes



The screenshot shows a window titled "PLA Priority(PGM1...)". It has a toolbar with "Refresh", "Update", and "Close" buttons. Below the toolbar is a table with two columns: "Priority" and "Setting Value". The table contains four rows, each with a priority number and a corresponding call type in a dropdown menu.

Priority	Setting Value
1	[XFER] Transfer Call
2	[REC] Recall
3	[INC] Incoming Call
4	[QUE] Queued Call

RS-232C Port Setting (PGM 174)

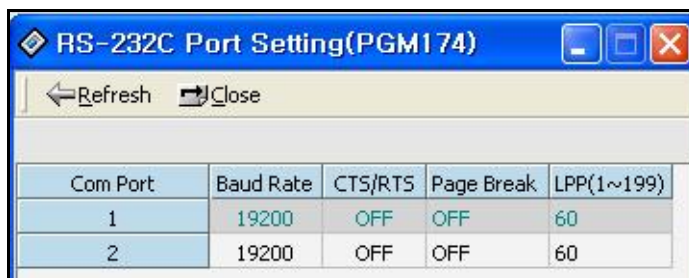
You can set up the RS-232C port configuration.

Note: If you use COM2 as MODU (MODEM interface), the maximum speed is limited to 9600bps.

Note: If you use the COM1 for PC Admin, the maximum speed is limited to 19200bps.

Operation

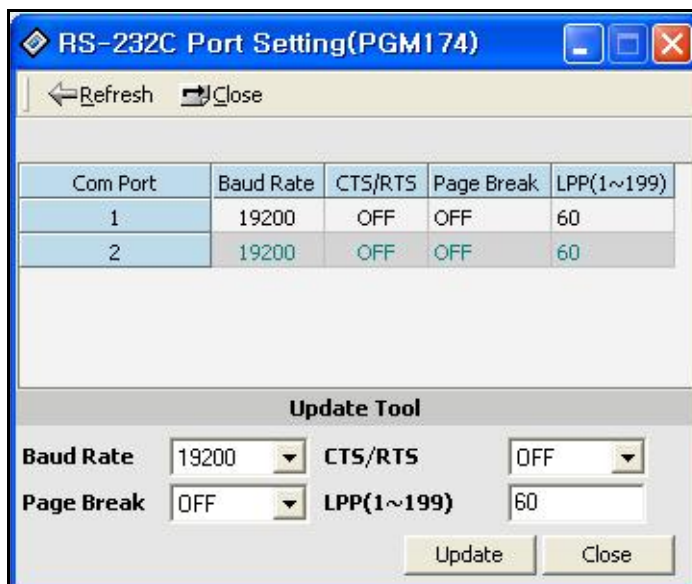
1. Click [RS-232C Port Setting]. Default values are shown below for each port.



The screenshot shows the 'RS-232C Port Setting(PGM174)' window. It has a title bar with standard Windows controls. Below the title bar is a toolbar with 'Refresh' and 'Close' buttons. The main area contains a table with 5 columns: 'Com Port', 'Baud Rate', 'CTS/RTS', 'Page Break', and 'LPP(1~199)'. There are two rows of data for Com Port 1 and 2.

Com Port	Baud Rate	CTS/RTS	Page Break	LPP(1~199)
1	19200	OFF	OFF	60
2	19200	OFF	OFF	60

2. Press [Update] in popup menu, and change the values.



The screenshot shows the 'RS-232C Port Setting(PGM174)' window with the 'Update Tool' section expanded. It contains four dropdown menus for 'Baud Rate', 'CTS/RTS', 'Page Break', and 'LPP(1~199)', each with its current value displayed. Below these are 'Update' and 'Close' buttons.

Com Port	Baud Rate	CTS/RTS	Page Break	LPP(1~199)
1	19200	OFF	OFF	60
2	19200	OFF	OFF	60

Update Tool

Baud Rate: 19200 CTS/RTS: OFF
Page Break: OFF LPP(1~199): 60

Update Close

ITEM	RANGE	DEFAULT	REMARK
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
CTS/RTS	ON/OFF	OFF	--
P-Break	ON/OFF	OFF	--
LPP	001-199	060	--

Print Serial Port Selection (PGM 175)

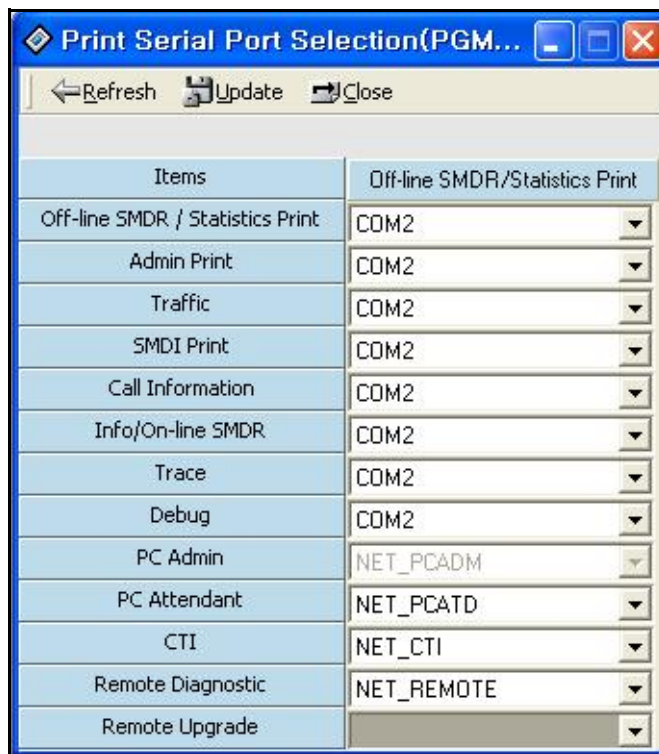
You can change the usage of the print serial port. You can change the various input port for application.

Note: The PC Admin port is only displayed and you can't change the value.

If the PC Admin port is COM1-COM2 for PC application (PC Admin, PC Attendant, CTI), you can't use those ports (COM1-COM2) as normal terminal ports during use of PC Admin. Except for PC Admin, you have to change the ports related with the PC application to DEFAULT VALUE (Network) before you use those ports for normal usage (Trace, SMDR Printing...). If you do not change those values, the system may experience problems.

Operation

1. Click [Print Serial Port Selection].



Items	Off-line SMDR/Statistics Print
Off-line SMDR / Statistics Print	COM2
Admin Print	COM2
Traffic	COM2
SMDI Print	COM2
Call Information	COM2
Info/On-line SMDR	COM2
Trace	COM2
Debug	COM2
PC Admin	NET_PCADM
PC Attendant	NET_PCATD
CTI	NET_CTI
Remote Diagnostic	NET_REMOTE
Remote Upgrade	

2. Refer to the following table and change the values.

ITEM	RANGE	DEFAULT	REMARK
Off-line SMDR / Statistics Print	01-11	COM 1 (01)	01: COM1 02: COM2 - MODU 03: TELNET 1 04: TELNET 2 05: TELNET 3 06: Reserved 07: NET_PCADM 08: NET_PCATD 09: NET_CTI 10: NET_REMOTE 11: Not Supported
Admin Print	01-11	COM 1 (01)	
Traffic	01-11	COM 1 (01)	
SMDI Print	01-11	COM 1 (01)	
Call Information	01-11	COM 1 (01)	
Info/On-line SMDR	01-11	COM 1 (01)	
Trace	01-11	COM 1 (01)	
Debug	01-11	COM 1 (01)	
PC Admin	01-11	Auto Select. Display Only	
PC Attendant	01-11	NET_PCATD (08)	
CTI	01-11	NET_CTI (09)	
Remote Diagnostic	N/A	Not Supported	

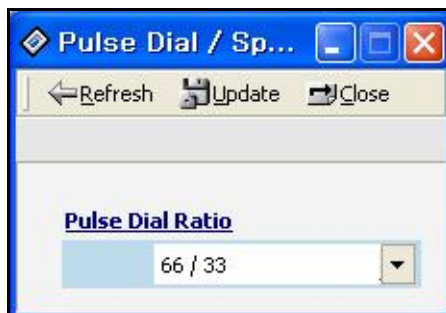
Note: If you select the MODU for PC Admin connection, port speed is limited to 9600 bps. If you select a value greater than 9600 bps, you might experience connection problems.

Pulse Dial / Speed Ratio (PGM 176)

If the type of CO line is PULSE instead of DTMF, it decides pulse dial ratio.

Operation

1. Click [Pulse Dial / Speed Ratio].
2. Change the ratio.



SMDR Attributes (PGM 177)

The Station Message Detail Recording (SMDR) will provide details on both incoming and outgoing calls. As an assignable database option, if Long Distance/All Call 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.

Operation

1. Click [SMDR Attributes].
2. Refer to the following table, and change values as desired.

Attribute	Value	Range/Options
Save Enable	<input type="checkbox"/>	
Print Enable	<input type="checkbox"/>	
SMDR Record Call Type	All Call	Dropdown
Records In Detail	<input checked="" type="checkbox"/>	
Print Incoming Call	<input type="checkbox"/>	
Print Lost Call	<input type="checkbox"/>	
SMDR Dial Digit Hidden	0	(0 - 9)
SMDR Currency Unit		(Max 3 characters)
SMDR Cost Per Metering Pulse	000000	(Must 6 digit)
SMDR Fraction	0	(0 - 5)
SMDR Start Timer	0	* 1 sec (000 - 250)
SMDR Hidden Digit	RIGHT	Dropdown
Long Distance Call Digit Counter	7	(7 - 15)
Long Distance Code (Max 2 Digits)	1: 0 2: 3: 4: 5:	
MSN Print On SMDR	<input type="checkbox"/>	
Print Caller Number	<input type="checkbox"/>	

SMDR Attributes (PGM 177)			
ITEM	RANGE	DEFAULT	REMARK
SMDR Save Enable	ON/OFF	OFF	The system can be set to record either all outgoing calls (ALL) or only limit set by timer in Btn12 (SMDR Start Timer).
SMDR Print Enable	ON/OFF	OFF	The system can be set to real time print either all outgoing calls (ALL) or only limit set by timer in Btn12 (SMDR Start Timer)
Long Distance / All Call Recorded	LD/All Call	LD	The system can be set to record either all outgoing calls or only long distance calls, exceeding the time limit set by SMDR Start Tmr. The long distance calls are identified by SMDR long distance code programming (Btn 15).
SMDR Long Distance Call Digit Counter	07-15	07	If the SMDR digits are more than this value, the system considers it as a long distance call.
Print Incoming Call	ON/OFF	OFF	If this option (PIC) is set to ENABLE, all incoming calls are printed with either all outgoing calls or long distance calls.
Print Lost Call	ON/OFF	OFF	If this option (PLC) is set to ENABLE, all lost calls are printed whether unanswered or not.
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 become 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 detailed records in their entirety.
SMDR Dial Digit Hidden	0-9	0	According to this value, the '*' symbol will be hidden in the SMDR digits.
SMDR Currency Unit	3 Char	--	For easy identification of call cost, the currency unit can be input with 3 alphabetic characters to be printed in front of the call charge amount.
SMDR Cost Per Unit Pulse	6 digits	--	This is the call cost unit per cost metering pulse, which is sent from the Central Office.
SMDR Fraction	0-5	0	This value represents the decimal position point of the CO per unit pulse.
SMDR Start Timer	000-250	000	1 sec base
SMDR Hidden Digit	Right/Left	Right	Hide digits from right or left

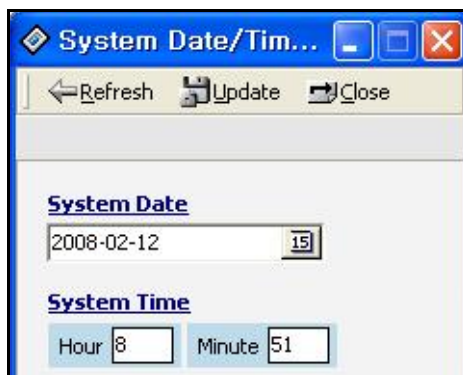
SMDR Attributes (PGM 177)			
ITEM	RANGE	DEFAULT	REMARK
SMDR Long Distance Codes	Flex Btn 1-5	0	A maximum of 5 SMDR Long Distance codes are available. The SMDR Long Distance code is 1 or 2 digits number. By default, the SMDR Long Distance Code is 0.
MSN Print On SMDR	ON/OFF	OFF	Enable or Disable printing MSN on SMDR
Print Caller Number	ON/OFF	OFF	Enable or Disable printing of the Caller Number
ICM SMDR Save	ON/OFF	OFF	If this value is set to ON, ICM call data is stored in Off-line SMDR
ICM SMDR Print	ON/OFF	OFF	If this value is set to ON, ICM call data is printed in On-line SMDR
SMDR Interface Service	ON/OFF	OFF	--
I-SMDR Connection Type	SIO/LAN	SIO	--

System Date / Time (PGM 178) - Not Used

You can set the system date/time.

Operation

1. Click [System Date/Time].



2. Set the values and click the [Update] Button. The changed values will display on the LCD screen of your keyset instantly.

Linked Station Pairs Table (PGM 179)

You can link two stations as a pair and it is possible to make up to 24 pairs in the system.

Operation

1. Select the [Update Tool] to add or delete a station pair. Enter a station number to be linked with or deleted.
2. To delete a pair, erase the slave area or press the [Delete] button. After changing data, press the [Update] button to save changes.

The screenshot shows a window titled "Linked Station Pairs ...". At the top, there are "Refresh" and "Close" buttons. Below is a table with two columns: "Master" and "Slave".

Master	Slave
1000	1002
1001	1003

Below the table is the "Update Tool" section. It contains two input fields: "Master" with the value "1001" and "Slave" with the value "1003". To the right of these fields are three buttons: "Update", "Delete", and "Close".

System Timers I - III (PGM 180, 181,182)

You can set the system timers. You can change the interval of time that each event occurs.

Operation

1. Click [System Timers].
2. Select an item to be altered, and click the [Update Tool] to change a value.

ID	Timer	Value	Range
5	I-Hold Recall Timer	0-300(1sec)	30
6	System Hold Recall Timer	0-300(1sec)	30
7	Transfer Recall Timer	0-300(1sec)	30
8	ACNR Delay Timer	0-300(1sec)	30
9	ACNR No Answer Timer	10-50(1sec)	30
10	ACNR Pause Timer	5-300(1sec)	30
11	ACNR Retry Counter	1-30()	3
12	ACNR No Tone Retry Counter	1-9()	1
13	ACNR Tone Detect Timer	1-300(1sec)	30
14	Automatic CO Release Timer	20-300(1sec)	30
15	CCR Inter Digit Timer	0-255(100msec)	30
16	CO Call Drop Warning Timer	0-99(1sec)	10
17	Call Restrict Timer	0-99(1min)	0
18	CO Dial Delay Timer	0-99(100msec)	1
19	CO Release Guard Timer	1-150(100msec)	20
20	CO Ring Off Timer	10-150(100msec)	60
21	CO Ring ON Timer	1-9(100msec)	2
22	Warning Tone Timer	60-900(1sec)	180
23	Call Forward No Answer Timer	0-255(1sec)	15
24	DID/DISA No Answer Timer	0-99(1sec)	20
25	VMIB User Record Timer	10-255(1sec)	20
26	VMIB Valid User Message Timer	0-9(1sec)	4

Update Tool

No : 14 Timer : Automatic CO Release Timer

Range

System Timers - I (PGM 180)			
ITEM	RANGE	DEFAULT	REMARK
Attendant Recall Timer	00-60 (2 digits)	01 (min)	Establishes the amount of time before the system disconnects the call.
Call Park Recall Timer	000-600 (3 digits)	120 (sec)	Establishes the amount of time before a call placed in a call park location will recall the station placing the park.
Camp-on Recall Timer	000-200 (3 digits)	030 (sec)	If a station transfers to a busy station and hangs up, this recall timer is invoked.
Exclusive Hold Recall Timer	000-300 (3 digits)	060 (sec)	Establishes the amount of time before a call placed on exclusive hold will recall the station placing the hold.
I-Hold Recall Timer	000-300 (3 digits)	030 (sec)	Establishes the amount of time before a call recalls the attendant.
System Hold Recall Timer	000-300 (3 digits)	030 (sec)	Establishes the amount of time before a call placed on system hold will recall the station placing the hold.
Transfer Recall Timer	000-300 (3 digits)	030 (sec)	Establishes 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.
ACNR Delay Timer	000-300 (3 digits)	030 (sec)	When the ACNR Pause Timer expires and there is no available CO Line in the group, this timer is invoked. When the ACNR Delay Timer expires, invoke the ACNR Pause Timer if there is still no available CO line, ACNR is activated.
ACNR No Answer Timer	10-50 (2 digits)	030 (sec)	This Timer is invoked after system detects CO ring back tone or voice from a CO party. After this timer, the system retries ACNR.
ACNR Pause Timer	005-300 (3 digits)	030 (sec)	When this timer expires, ACNR is activated. (For CIS: 5-300)
ACNR Retry Counter	01-30	03	This counter decreases every time the station retries ACNR. ACNR is canceled if set to 0. (For CIS: 1-9)
ACNR Retry No Tone	1-9 (1 digit)	1 (5 sec)	1 represents 5 seconds, the system will wait this value to decide NO TONE. 3 represents 15 seconds. (Only for CIS)

System Timers - I (PGM 180)			
ITEM	RANGE	DEFAULT	REMARK
ACNR Tone Detect Timer	001-300 (3 digits)	030 (sec)	This timer is invoked upon completion of dialing and the system considers the CO party as busy in the case that the CPTU cannot detect a valid tone type until this timer expires.
Automatic CO Release Timer	020-300 (3 digits)	030 (sec)	An uncompleted CO call will be automatically released after this timer expires.
CCR Inter-digit Timer	000-255 (3 digits)	030 (100ms)	This field is 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.
CO Call Drop Warning Timer	00-99 (2digits)	10 (sec)	If prepaid money is going to expire during a CO conversation, give warning tone and after this time the call will be disconnected. This timer is also used for Call Restriction, Unsupervised Conference.
Reserved	--	--	--
CO Dial Delay Timer	00-99 (2 digits)	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.
CO Release Guard Timer	001-150 (3 digits)	020 (100ms)	The CO Release Guard Timer controls the time necessary to guarantee idle loop state when the line is released.
CO Ring Off Timer	001-150 (3 digits)	060 (100ms)	This timer is to secure time interval between incoming ringing signals so that the active ringing can be continued in the system until this timer expires.
CO Ring On Timer	1-9 (1 digit)	2 (100ms)	The CO Ring On Timer controls the time necessary to detect an outside line as ringing into the system.
CO Warning Tone Timer	060-900 (3 digits)	180 (sec)	Establishes the amount of time before receiving warning tone to remind of the call elapsed time in case of outgoing CO conversations.
VM Outbound Retry Counter	0-9 (1 digit)	2	

System Timers - II (PGM 181)			
ITEM	RANGE	DEFAULT	REMARK
Call Forward No Answer Timer	000-255 (3 digits)	015 (sec)	The Call forward busy/no answer feature will take place using this timer. If this timer has a non-zero value and an extension is set to busy, no answer forward by the station user, then the extension will ring for this timer and will then forward to the next destination.
DID/DISA No Answer Timer	00-99 (2 digits)	25 (sec)	A DID call will be forwarded to the Attendant if the station is busy or does not answer within this time.
VMIB User Record Timer	010-255 (3 digits)	020 (sec)	The time duration of the VMIB user greeting.
VMIB Valid User Message Timer	0-9 (1 digit)	4 (sec)	The time duration of a valid VMIB user message.
Door Open Timer	05-99 (2 digits)	20 (100ms)	This timer establishes the length of time that is needed to activate a door open relay.
ICM Box Timer (Doorbox)	00-60 (2 digits)	30 (sec)	Establishes the amount of time programmed stations will ring when the ICM box user presses the [CALL] button.
ICM Dial Tone Timer	01-20 (2 digits)	10 (sec)	If action is not taken within ICM dial tone timer, the user will receive an error-tone.
Inter Digit Timer	01-20 (2 digits)	05 (sec)	If the time between dialed digits exceeds the Inter-digit timer, the user will receive an error-tone.
MSG Wait Reminder Tone Timer	00-60 (2 digits)	00 (min)	Establishes the amount of time between repeated reminder tones to a key telephone with a message waiting.
Paging Timeout Timer	000-255 (3 digits)	015 (sec)	Establishes the maximum time allowed for a page. The system will automatically disconnect the page at the end of this time unless the caller has hung up earlier.
Pause Timer	1-9 (1 digit)	3 (sec)	Establishes the length of the pause for use with automatically sent digits or other speed dialing.
Preset Call Forward Timer	00-99 (2 digits)	10 (sec)	Establishes the amount of time an outside line call will ring before being forwarded to a predetermined station. This entry works with Preset Forward Assignments in station attributes. More than one station can be forwarded to the same destination.
SLT DTMF Release Timer	00-20 (2 digits)	00 (sec)	--

System Timers - II (PGM 181)			
ITEM	RANGE	DEFAULT	REMARK
3 Soft Auto Release Timer	01-30 (2 digits)	05 (sec)	--
VM Pause Timer	01-90 (2 digits)	30 (100ms)	--
Transit Connect Timer	01-30 (2 digits)	04 (sec)	--
VMIB MSG Rewind Timer	01-99 (2 digits)	05 (sec)	--
LCO Connect Timer	00-20 (2 digits)	00 (sec)	--
LCO CPT Detect Timer	00-20 (2 digits)	05 (sec)	--
Forward to VMIB Timer	20-60 (2 digits)	20 (sec)	If the Auto FWD to VMIB feature (PGM 113 - FLEX 14) is set to a station, the call is automatically forwarded to VMIB after this timer expires, so the caller can leave a voice message.

System Timers - III (PGM 182)			
ITEM	RANGE	DEFAULT	REMARK
SLT Hook Switch Bounce Timer	01-25 (2 digits)	01 (100ms)	This timer establishes the length of time that is needed to regard as a valid on-hook or off-hook.(for SLT).
SLT Maximum Hook Flash Timer	001-250 (2 digits)	050 (10ms)	This timer establishes how long the user could depress the hook switch in order for it to be considered a FLASH (Timed-Break Recall). (for SLT)
SLT Minimum Hook Flash Timer	000-250 (3 digits)	020 (10ms)	The minimum bound time that system considers as a hook flash for an SLT.
SLT Ring Phase Timer	2-5 (1 digit)	5 (sec)	Determines the ring phase of SLTs. (5 SEC: 1 SEC ON / 4 SEC OFF)
Station Auto Release Timer	020-300 (3 digits)	060 (sec)	If a station hears ring back tone and no action is taken, this timer is initiated. When this timer expires the station is released.
Unsupervised Conference Timer	00-99 (2 digits)	10 (min)	Establishes the amount of the time an unsupervised conference can continue after the initiator of the conference has exited the conference
Wake-up Fail Ring Timer	00-99 (2 digits)	20 (sec)	After a Wake-up fail ring invokes on the System Attendant, the alarm ring continues during the length of this timer. If this timer expires, the Alarm ring will terminate.
Warm Line Timer	01-20 (2 digits)	05 (sec)	User takes no action after lifting handset or pressing the [SPEAKER] button and the warm line timer expires, then the idle line selection for warm line is activated.
Wink Timer	010-200 (3 digits)	010 (10ms)	The Time Duration of Seize Acknowledge Signal to DID line.
Enblock Int Digit Timer	01-20 (2digits)	15 (sec)	After timer expires, Setup is sent.
CCR Time Out Timer	000-300 (3 digits)	010 (sec)	When this timer expires, CCR is activated
DID Inter Digit Timer	01-20 (2 digits)	05 (sec)	This timer is used for the DID type 2 feature. In DID type 2, the SBX IP 320 system will wait for new DID digits to be received until this timer expires or the call routing of DID type 2 is executed.

System Timers - III (PGM 182)			
ITEM	RANGE	DEFAULT	REMARK
FAX Tone Detect Timer	01-10 (2 digits)	05 (sec)	Establishes the time allowed for a FAX tone to be detected before disconnection.
FAX CO Call Timer	1-5 (1 digit)	1 (min)	Establishes the time allowed for a FAX call before disconnection.

DCOB System Attributes (PGM 186)

In this menu, you can program the attributes of R2 (DCOB). These menus consist of combo boxes.

Operation

1. Select [DCOB System Attributes]. Current programmed data will display.
2. You can change values in this window. After changing, press the [Update] button to save the changes.

Note: This feature only applies to a few countries.

DCOB System Attributes (PGM 186)			
ITEM	RANGE	DEFAULT	REMARK
DCOB CO Type (This is actually programmed in PGM187, BTN4)	0-2	2	0: Sweden/Cyprus 1: Italy 2: Korea/Australia
Metering Type	0-1	0	0: Not used 1: When a Metering signal is received
R2 OUT Manage Timer	01-50	14 (sec)	In R2 signaling, maximum time for waiting for forward signal from PX
R2 IN Manage Timer	01-50	14 (sec)	In R2 signaling, maximum time for waiting for forward signal from PX
R2 Disappear Timer	01-50	14 (sec)	--
R2 Pulse Timer	01-30	07 (20ms)	In R2 signaling, time duration to send pulse typed R2 signal
R2 Ready Timer	000-500	007 (20ms)	--
Dial Tone Delay Timer	01-30	20	--
Line Status	1-9	6	Free Line
Calling Category	1-9	1	User no priority
ANI Request	ON/OFF	OFF	ON: Caller ID Service
CLI Digits Number	01-10	04	--
R2 Out Digits Timer	01-50	05	--
R2 Error Prompt	ON/OFF	OFF	--
R2 Busy Prompt	ON/OFF	OFF	--
R2 Annc Prompt Usage	ON/OFF	OFF	--
DCO Gain	01-63	32	--

DCOB CO Line Attributes (PGM187)

This feature is for R2(DCOB) programming.

Start CO Num End CO Num

CO Num	IN Digit Type	OUT Digit Type	No of Digits	DCOB CO Type	Send S-Block Cmd
1	R2MFC	R2MFC	10	2(Korea)	OFF
2	R2MFC	R2MFC	10	2(Korea)	OFF
3	R2MFC	R2MFC	10	2(Korea)	OFF
4	R2MFC	R2MFC	10	2(Korea)	OFF
5	R2MFC	R2MFC	10	2(Korea)	OFF
6	R2MFC	R2MFC	10	2(Korea)	OFF
7	R2MFC	R2MFC	10	2(Korea)	OFF
8	R2MFC	R2MFC	10	2(Korea)	OFF
9	R2MFC	R2MFC	10	2(Korea)	OFF
10	R2MFC	R2MFC	10	2(Korea)	OFF

Update Tool

CO Number -

IN Digit Type No of Digits 1 - 15 ☐ Send S-Block Cmd

OUT Digit Type DCOB CO Type

DCOB CO Line Attributes (PGM 187)			
ITEM	RANGE	DEFAULT	REMARK
IN Digit Type	0-2	2	Default: R2MFC (2) To set type: [0 : PULSE, 1 : DTMF, 2 : R2MFC]
OUT Digit Type	0-2	2	Default: R2MFC (2) To set type: [0 : PULSE, 1 : DTMF, 2 : R2MFC]
Number of CLI Digits	01-15	10	--
DCOB Type	0-2	2	0: Cyprus, 1: Italy, 2: Korea
Send S-Block Cmd	ON/OFF	OFF	--

In Room Indication (PGM 183)

This window assigns Room Indication data. This window consists of a supervisor and various members.

A Supervisor cannot be assigned as a normal member. If a supervisor and a member are duplicated, the PC Admin will display warning window.

When a user leaves the supervisor field, it means that the user wants to delete the data. So, PC Admin will delete data with the selected bin number.

Index	Supervisor
1	100
2	102
3	120
4	130
5	
6	
7	
8	
9	
10	

Members
100
101
103

Update Tool

Index: 1 Supervisor: 100

100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119

>

100
101
103

Update Delete Close

Chime Bell Attribute (PGM 184)

This window assigns Chime Bell attributes. Master and slave are the extension number and relay should be assigned with each bin number. Bell timer and Tone frequency are adapted in common. So, you use the separate [Update] button in the upper area of the window to save these values. The [Update] button at the bottom of the window is used only for table data.

Chime Bell Attribute(PGM184)

Refresh

Close

Bell Timer

4

Tone 1

480 Hz

Tone 2

620 Hz

Update

Bin No.	Master	Slave	Relay
1	100	102	0
2			0
3			0
4	160	170	0
5			0
6			0
7			0
8			0

Update Tool

Bin No.

2

Master

101

Slave

103

Relay

3

Update

Delete

Close

Station Group

You can group stations, and allow an idle station in a group to respond to a call.

Station Group Assign (PGM 190/191)

Stations in the system can be grouped so that incoming calls will search (hunt) for an idle station in the group. Three hunting processes can be assigned: Circular, Terminal, or UCD (Uniform Call Distribution). Each of the system's groups is assigned as a function: Call Pick-Up Group and/or Hunt Group, Voice Mail Group, and Ring Group. The available groups per system and stations per group is as follows:

- Number of Groups per system = 10
- Stations per group = 26

A station can belong to any number of Pickup groups, but can only belong to one Station Hunt group, Voice mail group, or Ring group.

When assigning a station group to any type of hunt group or voice mail group, ring, pick up group, the system initializes hunt attributes by default value for it's own function. It can be programmed to meet each customer's individual need.

Operation

1. Click [Station Group].
2. Select a group.
3. Press the [Update] button (will be displayed by right-clicking with the mouse) to add or modify members.

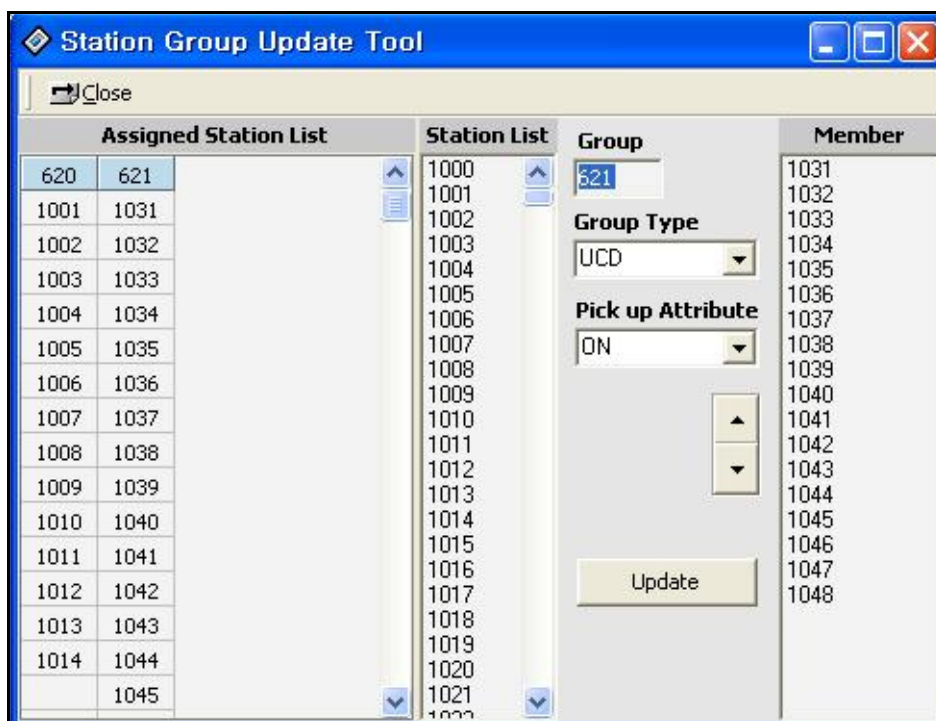
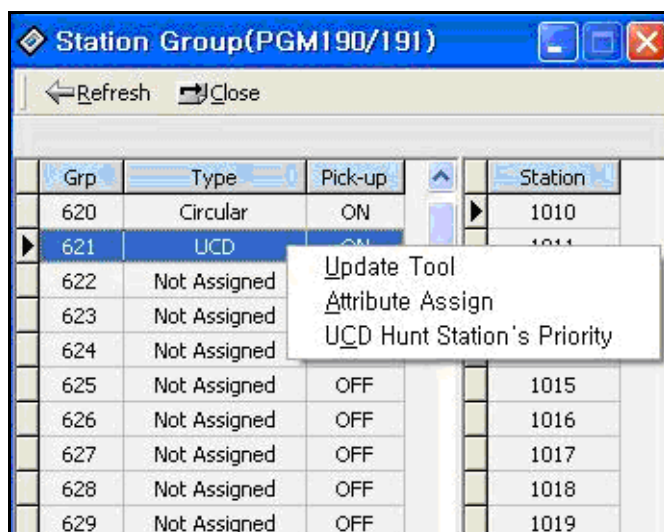
There are two parts in the window. One part is the assigned group number list and the second is for member configuration.

If you select one station group in the left field, the station that is a member of the group will be displayed automatically.

If you want to add or edit the station group, select the [Update Tool] button in popup menu.

Then a second window will display for editing or adding station group data.

Also, you can assign the attributes of each group with [Attribute Assign] menu of popup menu. This window is displayed on the next page.



You can change the location of a group member using Up/Down key. Then PC Admin will send the changed order of stations to the MPB and the MPB will save with the new order of stations.

Station Group Attribute Assign(PGM191)

← Refresh Update Close

Group : 620 Type : Circular Pick up Attribute : OFF

VMIB Announce 1 Timer	15	0 - 999	Overflow Timer	180	0 - 600
VMIB Announce 2 Timer	0	0 - 999	Wrap-Up Timer	2	2 - 999
VMIB Announce 1 Location	0	0 - 70(#)	No Answer Timer	15	0 - 99
VMIB Announce 2 Location	0	0 - 70(#)	Pilot Hunt	<input checked="" type="checkbox"/>	
VMIB Announce 2 Repeat Use	<input type="checkbox"/>		ALT if No Member	<input type="checkbox"/>	
VMIB Announce 2 Repeat Timer	0	0 - 999	Music Source	0	0 - 11
Overflow Destination			Alternate Destination		
Not Assigned			Not Assigned		
			Max Queued Call Count		
			99 0 - 99		

You use the [Attribute Assign] button to change the data that is already programmed.

Station Group Type (PGM 190)			
ITEM	RANGE	DEFAULT	REMARK
Group Type	0-7	0	0: Not assigned 1: Circular 2: Terminal 3: UCD 4: Ring 5: VM 6: Pick up 7. Net VM
Pick-up Attribute	ON/OFF	OFF	OFF
Member Assignment	Not Assigned	--	Group Type must be assigned first.

Circular/Terminal Group Attributes (PGM 191)			
ITEM	RANGE	DEFAULT	REMARK
VMIB Announce 1 Timer	000-999	015 (sec)	If this timer expires after a call comes into the group, the system announces the greeting, if one exists.
VMIB Announce 2 Timer	000-999	000 (sec)	If this timer expires after a call comes into the group, the system announces the VMIB, if assigned.
VMIB Announce Location 1	00-70	00 (not assigned)	This location is used to announce a greeting when the VMIB Announce 1 timer expires.
VMIB Announce Location 2	00-70	00 (not assigned)	This location is used to announce greeting when the VMIB Announce 2 timer expires.
VMIB Announce 2 Repeat	000-999	000 (sec)	The VMIB announce 2 is repeated when this timer expires (000 = not assigned).
VMIB Announce 2 Repeat Enable/Disable	ON/OFF	OFF	This is used to enable or disable the VMIB Announce 2 Repeat.
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.
Overflow Timer	000-600	180 (sec)	If this timer expires after a call comes into the group, the call is routed to the overflow destination.
Wrap-up Timer	002-999	002 (sec)	A station in a hunt group is maintained in a busy state for a minimum of six seconds after any call and for hunt group calls for the assigned wrap-up time.
No Answer Timer	00-99	15 (sec)	In circular hunt, calls to a station in the group will go to the station, if unavailable or unanswered in this no answer time, the call is directed to the next station in the group.
Pilot Hunt	ON/OFF	ON	A circular hunt group can be assigned with a pilot number (the station group) so that only calls to the pilot number will hunt.
Alt if no Member	ON/OFF	OFF	If there is no member on duty, an ICM call will be dropped or an incoming CO call will be routed to the Attendant.

Circular/Terminal Group Attributes (PGM 191)			
ITEM	RANGE	DEFAULT	REMARK
Music Source	0-9	0 (not assigned)	If music source is assigned, calling user will be heard music instead of ring back tone. 0: Not Assigned 1: Internal Music 2: External Music 1 3: Reserved 4: SLT 1 5: SLT 2 6: SLT 3 7: SLT 4 8: SLT 5 9: Hold Tone
Alternate Destination	Sta No/ Hunt No	--	When a call comes into the group and there is no available station in the group, then the call will be routed to this destination, if assigned.
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
Member Forward	ON/OFF	ON	If this value is set to ON, members will be forwarded.
Queue Count Display	ON/OFF	ON	If this value is set to ON, a Hunt member can check the Queue Count.

UCD Group Attributes (PGM 191)			
ITEM	RANGE	DEFAULT	REMARK
VMIB Announce 1 Timer	000-999	015 (sec)	If all stations in the group are busy when a call is received for the group, the call may continue to wait (queue) for an available station in the group. If queued, the call may be sent to a UCD announcement when the queue period exceeds the 1st announcement Timer. If the timer is set to 000 the call will receive the full first announcement prior to the hunting process (guaranteed announcement).
VMIB Announce 2 Timer	000-999	000 (sec)	The second announcement can be provided if the call continues to wait beyond the 2nd announcement timer.
VMIB Announce Location 1	00-70	00 (not assigned)	Each Station Hunt Group can be assigned an announcement, which is played when the call is first received. The announcement may be assigned as VMIB.
VMIB Announce Location 2	00-70	00 (not assigned)	This location is used to announce greeting when the VMIB Announce 2 timer expires.

UCD Group Attributes (PGM 191)			
ITEM	RANGE	DEFAULT	REMARK
VMIB Announce 2 Repeat Timer	000-999	000 (sec)	The VMIB announce 2 is repeated when this timer expires (000 = not assigned).
VMIB Announce 2 Repeat Enable/Disable	ON/OFF	OFF	This is used to enable or disable the VMIB Announce 2 Repeat.
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.
Overflow Timer	000-600	180 (sec)	If this timer expires after a call comes into the group, the call is routed to the overflow destination.
Wrap-up Timer	002-999	002 (sec)	A station in a hunt group is maintained in a busy state for a minimum of six seconds after any call and for hunt group calls for the assigned wrap-up time.
Alt if no Member	ON/OFF	OFF	If there is no member on duty, an ICM call will be dropped or an incoming CO call will be routed to the Attendant.
Music Source	0-9	0 (not assigned)	If music source is assigned, calling user will be heard music instead of ring back tone. 0: Not Assigned 1: Internal Music 2: External Music 1 3: Reserved 4: SLT 1 5: SLT 2 6: SLT 3 7: SLT 4 8: SLT 5 9: Hold Tone
UCD Warning Tone	ON/OFF	ON	Establishes whether the ACD supervisor monitors an agent with a warning tone or without a warning tone
Alternate Destination	Sta No/ Hunt No	--	When a call comes into the group and there is no available station in the group, then the call will be routed to this destination, if assigned.
Supervisor Timer	000-999	030 (sec)	When the queued time is longer than this timer, the number of queued lines will be displayed on the supervisor's LCD.
Supervisor Call Count	00-99	00	If the number of queued calls is more than this call count, the supervisor timer will be started.
UCD Queued Call (Reserved)	ON/OFF	ON	(Reserved)

UCD Group Attributes (PGM 191)			
ITEM	RANGE	DEFAULT	REMARK
Max Queue Call Count	00-99	00	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
Supervisor	Sta #	--	Supervisor station number
UCD Hunt Stations' Priority	0-9	0	UCD group member's priority
Member Forward	ON/OFF	ON	If this value is set to ON, members will be forwarded.
UCD DND Ring Timer	000-999	000 (sec)	If this timer set to 000 sec, this timer is not operated. If this timer is set to 010, after 10 seconds ringing the UCD member is automatically in a UCD DND state.
UCD Queued Tone	ON/OFF	OFF	--

Ring Group Attributes (PGM 191)			
ITEM	RANGE	DEFAULT	REMARK
VMIB Announce 1 Timer	000-999	015 (sec)	If this timer expires after a call comes into the group, the system announces the greeting, if one exists.
VMIB Announce 2 Timer	000-999	000 (sec)	If this timer expires after call come in the group, the system announces the VMIB if assigned.
VMIB Announce Location 1	00-70	00 (not assigned)	This is used to announce greeting when the VMIB announce 1 timer expires.
VMIB Announce Location 2	00-70	00 (not assigned)	This is used to announce VMIB when the VMIB announce 2 timer expires.
VMIB Announce 2 Repeat Timer	000-999	000 (sec)	The VMIB announce 2 is repeated when this timer expires (000 = not assigned).
VMIB Announce 2 Repeat Enable/Disable	ON/OFF	OFF	This is used to enable or disable the VMIB Announce 2 Repeat.
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.

Ring Group Attributes (PGM 191)			
ITEM	RANGE	DEFAULT	REMARK
Overflow Timer	000-600	180 (sec)	If this timer expires after a call comes into the group, the call is routed to the overflow destination.
Wrap-up Timer	002-999	002 (sec)	A station in a hunt group is maintained in a busy state for a minimum of six seconds after any call and for hunt group calls for the assigned wrap-up time.
Music Source	0-9	0 (not assigned)	If music source is assigned, calling user will be heard music instead of ring back tone. 0: Not Assigned 1: Internal Music 2: External Music 1 3: Reserved 4: SLT 1 5: SLT 2 6: SLT 3 7: SLT 4 8: SLT 5 9: Hold Tone
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
Supervisor	Sta #	--	Supervisor station number
Member Forward	ON/OFF	ON	If this value is set to ON, members will be forwarded.
Queue Count Display	ON/OFF	ON	If this value is set to ON, a Hunt member can check the Queue Count.

Voice Mail Group Attributes (PGM 191)			
ITEM	RANGE	DEFAULT	REMARK
Wrap-up Timer	002-999	002 (sec)	A station in a hunt group is maintained in a busy state for a minimum of six seconds after any call and for hunt group calls for the assigned wrap-up time.
Put Mail Index	1-4	1	This index is one of the voice mail dialing tables.
Get Mail Index	1-4	2	This index is one of the voice mail dialing tables.
Hunt Type	CIRC/ TERM	TERM	1: Circular Hunt Group 0: Terminal Hunt Group
SMDI Port	--	--	Not to be programmed
Overflow Timer	000-600	180 (sec)	If this timer expires after a call comes into the group, the call is routed to the overflow destination.
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.

Pick Up Group Attributes (PGM 191)			
ITEM	RANGE	DEFAULT	REMARK
Auto Pickup	ON/OFF	OFF	If a hunt member is ringing, another hunt member can pickup automatically by pressing the [SPEAKER] button or by going off-hook.
All Ring	ON/OFF	OFF	When a hunt member that is in TONE mode is ringing, all the other stations are ringing also. The Auto Pickup feature must be set before All Ring is set.

ISDN System Base Program

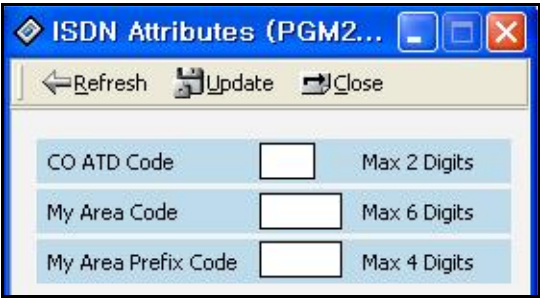
To change the ISDN related features you use PGM200-PGM202.

ISDN Attributes (PGM 200)

You can change the ISDN attributes using this menu.

Operation

- 1. Click [ISDN Attributes].



- 2. Refer to the following table, enter the data, then click on [Update] to save your input.

ISDN Attributes (PGM 200)			
ITEM	RANGE	DEFAULT	REMARK
CO ATD	Max of 2 digits	--	According to PGM 114 - Btn 5, CO ATD code or Extension number can be attached to the CLI, COLP message
My Area Code	Max of 6 digits	--	Local Area Code
My Area Prefix Code	Max of 4 digits	--	Prefix Code of Local Area Code

COLP Table (PGM 201)

After you make an outgoing call through the ISDN line, you can see the number you are connected with.

Operation

Click [COLP Table], select a table index, and click the [Update Tool].

The screenshot shows a window titled "COLP Table (PGM201)". At the top, there are "Refresh" and "Close" buttons. Below is a table with two columns: "Index" and "COLP Digits". The table contains 15 rows, all with "Not Assigned" in the "COLP Digits" column. A blue "Update Tool" button is positioned to the right of the table. Below the table is a section titled "Update Tool" containing a checkbox labeled "Update/Delete and next". Under this checkbox, there are input fields for "Index" (containing "0") and "COLP Digits" (containing "Not Assigned"). At the bottom of this section are three buttons: "Update", "Delete", and "Close".

Index	COLP Digits
0	Not Assigned
1	Not Assigned
2	Not Assigned
3	Not Assigned
4	Not Assigned
5	Not Assigned
6	Not Assigned
7	Not Assigned
8	Not Assigned
9	Not Assigned
10	Not Assigned
11	Not Assigned
12	Not Assigned
13	Not Assigned
14	Not Assigned

Update Tool

☐ Update/Delete and next

Index: 0 COLP Digits: Not Assigned

Update Delete Close

Tables

LCR Assignment (PGM 220)

LCR is a function you can program to select the least-costly CO line automatically for day/night, and any specified time zone. The LCR table has four parts. In PGM 220, you can program the general database, LCR access mode, day zone, and time zone.

Operation

1. Click [LCR Assignment].
2. Select an LCR Access Mode.

M00: LCR is not used

M01: Only Loop LCR

M02: Internal and Loop LCR

M11: Loop and Direct CO LCR

M12: Internal, Loop and Direct CO LCR

A duplicated day cannot be assigned for different day zones. If you want to select Saturday for Day Zone 2, select "Zone 2" in the SAT combo box.

For each day zone, you set time-of-day. The time also cannot be duplicated for each day zone.

3. After programming, press the [Update] button to save the changes.

LCR Assignment (PGM220)

Refresh Update Close

LCR Access Mode

M00 / Disable LCR

Day Zone

MON Zone 2 TUE Zone 1 WED Zone 2 THU Zone 1

FRI Zone 3 SAT Zone 3 SUN Zone 3

Time Zone 1

Zone 1 0 - 8 Zone 2 9 - 17 Zone 3 18 - 24

Time Zone 2

Zone 1 1 - 8 Zone 2 9 - 17 Zone 3 18 -

Time Zone 3

Zone 1 1 - 8 Zone 2 9 - 17 Zone 3 18 - 24

LCR Table (PGM 220)			
ITEM	RANGE	DEFAULT	REMARK
LCR Access	M00	Disable	LCR Access Mode 00 (M00): Disable LCR
	M01	M00)	LCR Access Mode01 (M01): only Loop LCR.
	M02		LCR Access Mode02 (M02): Internal and Loop LCR.
	M11		LCR Access Mode11 (M11): Loop and Direct CO LCR
	M12		LCR Access Mode12 (M12): Internal, Loop, and Direct CO LCR.
	M13		LCR Access Mode13 (M13): Internal, Loop, Direct CO, and Direct Loop LCR.

LCR Table (PGM 220)			
ITEM	RANGE	DEFAULT	REMARK
Day Zone	Zone: 3 Day: 1-7	Belongs to Zone 1	First, select day and choose zone.
Time Zone	Time: 00-24	Belongs to Zone 1	The system accepts the same value for 00 and 24 and changes to "00", if 24 is input as the starting value and vice versa. *Note: The time not belonging to any zone will be considered as zone 1. *Note: 10-13 represents 10:00:00 - 12:59:59

LCR - LDT (Leading Digit Table) Table (PGM 221)

PGM 221 is the Leading Digit Table.

Operation

1. Click the [LCR-LDT Table]. Select an LDT number (0-249).
2. Click the [Update tool] of the pop menu that is opened by right-clicking with the mouse.

LCR - LDT Table (PGM221)

Refresh Close

Index	LCR Type	Compared Digits Max 12 Digits Include '*', '#'	DMT 1			DMT 2			DMT 3			Check Password
			D1	D2	D3	D1	D2	D3	D1	D2	D3	
00	BOTH	12	00	02	04	06	13	24	19	25	43	OFF
01	BOTH											OFF
02	BOTH											OFF
03	BOTH											OFF
04	BOTH											OFF
05	BOTH											OFF
06	BOTH											OFF
07	BOTH											OFF
08	BOTH											OFF

Update Tool

Index: 00 Compared Digits: 12

LCR Type: BOTH ☐ Check Password

DMT 1 D1: 00 D2: 02 D3: 04

DMT 2 D1: 06 D2: 13 D3: 24

DMT 3 D1: 19 D2: 25 D3: 43

Update Delete Close

3. Select an LCR type (INT, COL, BOTH).
4. Enter Leading Digits (it is a 12-digit number to compare with a number a user dialed previously).
5. Set up DMT Index with the combo box. You should setup the DMT1 field. Others fields may be left blank.

Leading Digit Table (PGM 221)			
ITEM	RANGE	DEFAULT	REMARK
LCR Type	Digit (1)INT (2)COL (3)BOTH	BOTH	INT: look up this entry only for internal dialing. COL: look up this entry only after dialing CO Access Code. BOTH: look up this entry for both INT and COL.
CD	12 digits	None	To be compared with the dialed digits by a user.
DMT Index	Each value 00-99	None	Day Zone 1, 2, 3 has 3 time zone DMT indexes (6 digits)

LCR - DMT Table (PGM 222)

PGM 222 is the Digit Modification Table.

Operation

1. Click [LCR-DMT Table], and select DMT (0- 99)
2. Click the [Update Tool]. The following dialog box appears

Index	LCR Type Include('*','#','D','P','F') Pause Billing Station	Removal Position 1 ~ 12	Num Of Digits to be removed 0 ~ 12	Add Position 1 ~ 13	CO Group	Alternative DMT Index 0 ~ 99
0	123	4	5	6	7	99
1		1	0	1	1	N/A
2		1	0	1	1	N/A
3		1	0	1	1	N/A
4		1	0	1	1	N/A
5		1	0	1	1	N/A
6		1	0	1	1	N/A
7		1	0	1	1	N/A
8		1	0	1	1	N/A
9		1	0	1	1	N/A
10		1	0	1	1	N/A

Update Tool

Index	DMT Digits	Removal Position	Num Of Digits to be removed	Add Position	CO Group	Alternative DMT Index
0	123	4	5	6	7	99

Update Delete Close

3. Added Digit Stream: 25 Digits in maximum.
4. Removal Position: Select a position to remove (1-12).
5. Number of digits to be removed: Select the number to be deleted (1-12).
6. Add Position: Select a position to be added (1-13).

7. CO Group: Select a CO Group.
8. Alternative DMT index: If there is no CO group to select, select alternative DMT index to be used (0-99).

Digit Modification Table (PGM 222)			
ITEM	RANGE	DEFAULT	REMARK
Bin Number	00-99	--	--
Added Digit Stream	25 digits	None	Normal digits (0-9, *, #) Special characters: [CALLBK]: Pause [DND/FOR]: Dial-tone-detection instead of pause [FLASH]: Billing code (Extension Number)
Removal Position	01-12	01	Index to CD stream in Lead table to be removed
Number of Digits to be Removed	00-12	00	Remove digits in CD stream up to this amount
Add Position	01-13	01	Establishes the position of the CD stream after removal, where the stream will be inserted.
CO Group	01-24	01	Establishes which CO group is used for LCR dialing
Alternative DMT Index	00-99	None	Establishes an alternative DMT index when there is no idle CO line in CO group.

LCR Table Initialization (PGM 223)

This feature initializes Day Zone 1, 2, 3 in the LDT and all CO groups in the DMT.

Operation

1. Click [LCR Table Initialization]. Click [Day Zone] (1-3). Select DMT index (0-99), and press [Initialize] button to initialize.
2. Select a CO group (1-36), and click the [Initialize] button that is located below the Initialize CO Group area.
3. Select alternative DMT index (1-99), and click the [Initialize] button of Initialize Alternative DMT Index area.
4. Click [Initialize All LCR Table] to initialize all LCR table.

LCR Table Initialization (PGM223)

Close

Initialize all DMT Index of Day Zone in LDT

Day Zone Day Zone 1 Select DMT Index 2 3 5

Initialize

Initialize CO Group

CO Group 5

Initialize

Initialize Alternative DMT Index

Alternative DMT Index 3

Initialize

Initialize All LCR Table

Toll Exception (PGM 224)

Toll tables are used to have access to certain toll free calls as well as being denied certain calls for the stations assigned STATION COS. Exception table A & B allow the station that is programmed in STA COS 2, 3, & 4 to have access to certain toll free calls as well as being denied certain calls.

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".

Use the following rules 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 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.

Allow/Deny Rules (PGM 224)			
ENTRY		CONDITIONS & RESULT	
ALLOW	DENY	ALLOW TABLE	DENY TABLE
Not Exist	Not Exist	No Restriction	No Restriction
Exist	Not Exist	Found - allowed Not found - denied	--
Not Exist	Exist	--	Found - denied Not found - allowed
Exist	Exist	Found - allowed Not found - check deny table	Found - denied Not found - allowed

Operation

Click [Toll Exception Table]. Select table (allow or deny).

Toll Exception Table (P...)

Close

Allow A Allow B Allow C Allow D

Deny A Deny B Deny C Deny D

Index	Value(Max 14Digits, *, #, D is don't care)
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	

Update Tool

Index Value(Max 14Digits, *, #, D is don't care)

13

Update Delete Close

Canned Toll Table (PGM 225)

The Allow/Deny Tables are organized to support 2 different toll plans at one installed site. You can set the Allow/Deny table that is applied to station COS 5, 6. The number of entries in a table is 20 and the entries can be up to 14 digits including any number 0-9, *, #.

Operation

Click [Canned Toll Table]. Select [ALLOW] or [DENY].

Canned Toll Table (PGM 225)			
ITEM	ENTRY	DEFAULT	REMARK
ALLOW	01-20	--	Max digits: 14
DENY	01-20	--	Max digits: 14

Canned Toll Table (PGM225) [Close]

Close

Allow Deny

Index	Value(Max 14Digits,*,#,D is don't care)
1	080
2	012
3	015
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	

Emergency Code Table (PGM 226)

Regardless of STA COS, an emergency call can be made through a service code. You can make 10 service codes for emergencies.

Operation

Click [Emergency Code Table].

Index	Value(Max 14Digits,*,#,D is don't care)
1	
2	
3	
4	
5	
6	
7	
8	

Update Tool

Index: 1 Value(Max 14Digits,*,#,D is don't care):

Update Delete Close

Authorization Code Table (PGM 227)

Trunk 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 trunk group access code is dialed. If the dialed Authorization code is verified, you will receive CO dial tone. Otherwise, you will receive an error tone and you cannot access the group. Stations or admin programming can enter the authorization codes. An Authorization code is fixed at 5 digits. The Administrator can see and change a station's password. There can be no duplicate entries. By default, Authorization Codes are not assigned.

Operation

1. Click [Authorization Code Table]. If an authorization code is already registered it will be shown.
2. After editing, press the [Update] button to save changes.

You can save and reload these codes as a file. If you want to save or reload database file, click the update menu and select a menu.

- [Auth Code Data Save]: Save the data as a file.
- [Auth Code Data Load]: Load the data as a file.
- [Auth Code Data Save]: Write loaded data to the MPB from start to end automatically. At this time, you do not need to do anything. PC Admin will operate the process automatically until an empty bin is found.

The file that is used by this feature cannot be opened or edited by other software. This file is specific to PC Admin.

Auth code range was from 3 digits to 11 digits and COS will be displayed. From index 1 to maximum station number, Day / Night COS will be displayed and you cannot change them. But the other range of index, you can change the COS.

If you want to change the COS for a station number, you should program PGM 116.

Authorization Code Table(PGM227)

Refresh Close

Index	Value(3~11 Digits)	Day COS	Night CO
1	12312341235	1	1
2	4152351	1	1
3		1	1
4		1	1
5		1	1
6		1	1
7		1	1
8		1	1
9		1	1
10		1	1
11		1	1
12		1	1
13		1	1
14	123456789	1	1

Update Tool

☐ Update/Delete and Next

Index	Value(3~11 Digits)	Day COS	Night COS
11		1	1

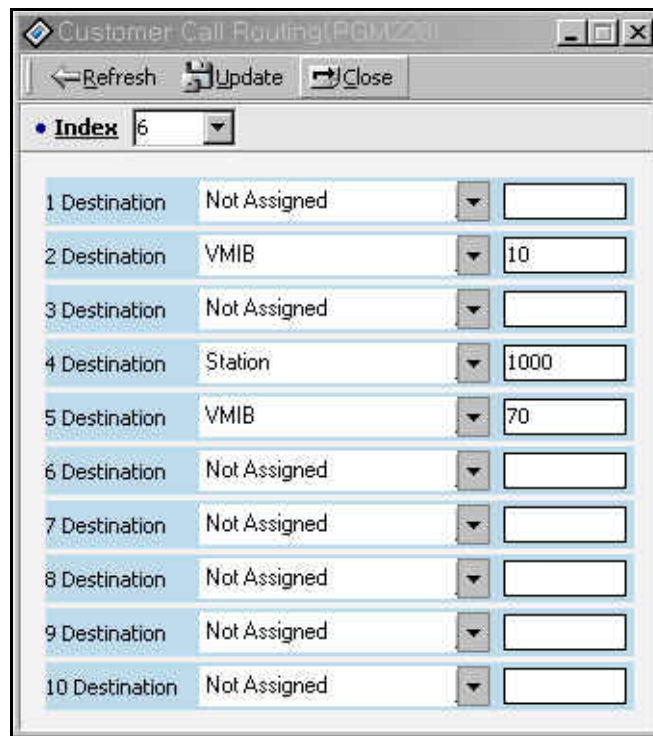
Update Delete Close

Customer Call Routing (PGM 228)

According to voice guidance, an outside caller may be connected to a certain destination, and to hear another voice message by pressing a button on their keyset.

Operation

1. Click [Customer Call Routing].
2. Select a CCR table number (01-70), and press the [Refresh] button. You will see 10 entry indexes in the [CCR Table].



The screenshot shows a window titled "Customer Call Routing (PGM 228)". At the top, there are three buttons: "Refresh", "Update", and "Close". Below these buttons is a label "Index" followed by a dropdown menu showing the value "6". The main area of the window contains a table with 10 rows, each representing a destination entry. The table has three columns: "Destination", a dropdown menu, and a text input field.

Index	Destination	Dropdown	Text Field
1	Destination	Not Assigned	
2	Destination	VMIB	10
3	Destination	Not Assigned	
4	Destination	Station	1000
5	Destination	VMIB	70
6	Destination	Not Assigned	
7	Destination	Not Assigned	
8	Destination	Not Assigned	
9	Destination	Not Assigned	
10	Destination	Not Assigned	

Customer Call Routing Table (PGM 228)				
TYPE (DIGIT)	TYPE	RANGE	DEFAULT	REMARK
1	Station	Station #	--	--
2	Hunt Group	Hunt #	--	--
3	VMIB	Announce #	--	--
4	VMIB DROP	Announce #	--	--
5	System Speed	2000-2499	--	--
6	Internal Page	1-5	--	--
7	External Page	1	--	--
8	All Call Page	1	--	--
9	Net Number	Valid Net #	--	A valid net number must be entered. Networking programming must be done to use this field.
10	Conference Room	1-9	--	--

Executive/Secretary Table (PGM 229)

There are a number of Executive/Secretary pairs available for assignment so that when the executive-designated station is in a DND state, intercom calls and transfers will be automatically routed to the designated secretary station. By default, Executive / Secretary Pairs are not assigned.

Operation

Choose an index, and click [Update Tool] of pop menu.

Index	Executive	Secretary	CO Call To Sec	Call Exec if Sec DNC	Sec Grade
1			OFF	OFF	1
2			OFF	OFF	1
3			OFF	OFF	1
4			OFF	OFF	1
5			OFF	OFF	1
6			OFF	OFF	1
7			OFF	OFF	1
8			OFF	OFF	1
9			OFF	OFF	1
10			OFF	OFF	1

Index	Executive	Secretary	CO Call To Sec	Call Exec if Sec DNC	Sec Grade
1			OFF	OFF	1

Update Delete Close

Conditions

- CO Call To Sec: This directs CO calls to the secretary.
- Call Exec if Sec DNC: If this field is enabled and the secretary is in a DND state, the call will be delivered to the executive.
- Sec Grade: This field can be used to assign the level of the secretary.

Flexible DID Table (PGM 231)

This table is for flexible DID table service.

Operation

1. Click [Flexible DID Table].
2. You can select the range that you want to read. You might have a problem because of a long read operation with a slow connection. At that time, if you uses a Modem and serial connection, it takes a lot of time to read all of the data because of a more stable data exchange. There is an editable field and limit number is 50. So, you can select a special range and can save waiting time.

Flexible DID Table(PGM231)

Refresh Close

Enter Table Range Refresh All Range Refresh

Index	Name	Day Type	Day Dest.	Night Type	Night Dest.	Weekend Type	Weekend Dest.	Reroute Type	Reroute Dest.
0		Not Assigned		Not Assigned		Not Assigned		Not Assigned	
1		Not Assigned		Not Assigned		Not Assigned		Not Assigned	
2		Not Assigned		Not Assigned		Not Assigned		Not Assigned	
3		Not Assigned		Not Assigned		Not Assigned		Not Assigned	
4		Not Assigned		Not Assigned		Not Assigned		Not Assigned	
5		Not Assigned		Not Assigned		Not Assigned		Not Assigned	
6		Not Assigned		Not Assigned		Not Assigned		Not Assigned	
7		Not Assigned		Not Assigned		Not Assigned		Not Assigned	
8		Not Assigned		Not Assigned		Not Assigned		Not Assigned	
9		Not Assigned		Not Assigned		Not Assigned		Not Assigned	
10		Not Assigned		Not Assigned		Not Assigned		Not Assigned	
11		Not Assigned		Not Assigned		Not Assigned		Not Assigned	
12		Not Assigned		Not Assigned		Not Assigned		Not Assigned	

Update Tool

Index Name Update Delete All Initial All Delete Close

☒ Edit with Range 1 ~ 50

Day Type
 Not Assigned
Day Dest.

Night Type
 Not Assigned
Night Dest.

Weekend Type
 Not Assigned
Weekend Dest.

Reroute Type
 Not Assigned
Reroute Dest.

Flexible DID Table (PGM 231)			
ITEM	RANGE	DEFAULT	REMARK
DID Name	1-11 Chars	None	Max of 11 characters
Day Destination	STA # / Hunt # / VMIB # VMIB # drop SPD Int Page Ext Page All Page Net Number Conf. Room STA VM	Sta # Or NULL Sta #	00-70 (00: NOT_ASG) 00-70 (00: NOT_ASG) 2000-2499 1 - 5 1 1 Programmed valid Net number 1-9
Night Destination	STA # / Hunt # / VMIB # VMIB # drop SPD Int Page Ext Page All Page Net Number Conf. Room STA VM	Sta # Or NULL Sta #	00-70 (00: NOT_ASG) 00-70 (00: NOT_ASG) 2000-2499 1 - 5 1 1 Programmed valid Net number 1-9

Flexible DID Table (PGM 231)			
ITEM	RANGE	DEFAULT	REMARK
Weekend Destination	STA # / Hunt # / VMIB # VMIB # drop SPD Int Page Ext Page All Page Net Number Conf. Room STA VM	Sta # Or NULL Sta #	00-70 (00: NOT_ASG) 00-70 (00: NOT_ASG) 2000-2499 1 - 5 1 1 Programmed valid Net number 1-9
Reroute Destination	STA # / Hunt # / VMIB # VMIB # drop SPD Int Page Ext Page All Page Net Number Conf. Room STA VM	Sta # Or NULL Sta #	00-70 (00: NOT_ASG) 00-70 (00: NOT_ASG) 2000-2499 1 - 5 1 1 Programmed valid Net number 1-9

Note: When you use this feature, you will see the two results windows. The first one is the result of Day, Night and Weekend destinations. The second result window displays the result of Reroute Destination and DID Name programming. You will check the reason of an error with the result message box.

System Speed Zone (PGM 232)

You can divide system speed dials into 10 zones maximum, and use zones for station COS checking and a status of each station.

Operation

1. Click [System Speed Zone].

Index	Speed Bin From	Speed Bin To	Toll Check	Auth Check
1	2200	3499	OFF	OFF
2	0	0	OFF	OFF
3	0	0	OFF	OFF
4	0	0	OFF	OFF
5	0	0	OFF	OFF
6	0	0	OFF	OFF
7	0	0	OFF	OFF
8	0	0	OFF	OFF
9	0	0	OFF	OFF
10	0	0	OFF	OFF

1000
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121

2. Enter speed bin range in zone field (2000-2499).
3. Select Toll Checking.(On/Off). When you use station range to access zone, check station COS and determine to restrict according to the Access/Deny table.
4. Click the [Update] button.

Update Tool

Index

6

0

~

0

☐ Toll Check

☐ Auth Check

1000

101

102

103

104

105

106

107

108

109

110

111

112

113

114

115

116

117

118

119

>

Update

Delete

Close

System Speed Zone Editing Window

Flexible DID Table (PGM 232)			
ITEM	RANGE	DEFAULT	REMARK
Speed Bin Range in Zone	2200-2499	--	Each zone is exclusive (2000 - 2199: Toll Free Zone)
Station Range to Access Zone	Station #	100-131	--
Toll Checking	YES/NO	YES(ON)	--
Auth Check	YES/NO	YES(ON)	--

Weekly Time Table (PGM 233)

You can set day/night/weekend start time for each day. A maximum of six entries are possible. Weekend is after 6 o'clock on Friday.

Operation

1. Click [Weekly Time Table], select a number (1-15).
2. Select the table index in combo box. If you select an index, data will be read.
3. After editing, press the [Update] button to save changes.

Weekly Time Table (PGM 233)		
ITEM	DEFAULT	REMARK
Day		Day ring mode start time (HH:MM)
Night		Night ring mode start time (HH:MM)
Weekend		Weekend ring mode start time (HH:MM)

Voice-Mail Dialing Table (PGM 234)

Apply this feature to use voice mail, and signal assignment between two systems.

It is recommended that you leave the default values.

Operation

1. Click [Voice-Mail Dialing Table].
2. Select the [Update tool] in the popup menu by right-clicking the mouse.
3. After editing, press [Update] button to save the change.

Index	Prefix	Surfix
1	P#	
2	P##	
3	P##*3P	
4	P##*4P	
5	P##*5P	
6	P##*6P	
7		
8		
9	*****	

Voice Mail Table (PGM 234)			
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: - Suffix: -	
4	VM Table 4	Prefix: P##*0P Suffix: -	
5	VM Table 5	Prefix: P##*4P Suffix: -	No Answer Table
6	VM Table 6	Prefix: P##*5P Suffix: -	Error Table
7	VM Table 7		Busy Table
8	VM Table 8		DND Table
9	VM Table 9	*****	Disconnect Table

Mobile Extension Table (PGM 236)

Mobile Extension(PGM236)

← Refresh ➡ Close

Index	Enable	CO Grp	Tel Number	CLI	Station
1	DISABLE	1			100
2	DISABLE	1			101
3	DISABLE	1			102
4	DISABLE	1			103
5	DISABLE	1			104
6	DISABLE	1			105
7	DISABLE	1			106
8	DISABLE	1			107

Update Tool

Index: 12 ☐ Enable CO Grp: 1 Tel Number: CLI: 111

☐ Mobile Hunt Call ☐ Voice MSG Wait Notice to Mobile

Update Delete Close

Mobile Extension Table (PGM 236)				
BTN	ITEM	RANGE	DEFAULT	REMARK
	Mobile Ext. Table Bin No.	001-048	--	
1	Mobile Ext. Enable	ON/OFF	OFF	
2	Mobile Ext. CO Grp	1-12	N/A	
3	Mobile Ext. Tel No.	Max 24	N/A	
4	CLI	Max 16 digits	N/A	
5	Mobile Hunt Call	ON/OFF	OFF	
6	Voice MSG Wait Notice to Mobile	ON/OFF	OFF	
7	Usage	ON/OFF	OFF	

Local Code Table (PGM 204)

You can assign the local codes in this table. The local code entered in this table will be deleted in SMDR print. The telephone number with this code will not be recognized as a long distant call.

The available code value is numbers and digits (0-9, *, #) and is limited to a maximum length of 5.

Bin	Local Code(Max 5 Digits)
1	13414
2	14132
3	*#*#*
4	46245
5	
6	
7	

Bin	Local Code(Max 5 Digits)
4	46245

Update Delete Close

VoIB Programming

VoIB Programming (PGM 340)

You can program the VoIB configuration with PC Admin. If you use another application, you may have problems. We recommend that you check the version of the MPB and the PC Admin.

Operation

1. Select the VoIB board number. If the selected board number is not the VOIB, PC Admin will display an error message. This program is valid only for VOIB.
2. After selecting the board number, press the [Refresh] button. Then PC Admin will receive the information about the selected VOIB.
3. Upon initial entry, all data are default values. The same as Network Setting (PGM108), enter the IP address, gateway address, and subnet mask. Ask your network administrator for correct values.
4. Ask your network administrator for the DNS address. Trace password is 10 digits and it is used for tracing data. Numeric values and characters are all available up to 10 digits. You cannot see the password data for security.
5. To save the data, press the [Update] button.
6. To erase the data, press the [Update] button with the field blank.

Operation

1. Select the VOIB board number. If the selected board number is not the VOIB, PC Admin will display an error message. This program is valid only for VOIB.
2. After the selecting board number, press the [Refresh] button. Then PC Admin will receive the information about the selected VOIB.
3. Upon initial entry, all data are default values. Ask your network administrator for correct values.
4. To save the data, press the [Update] button.

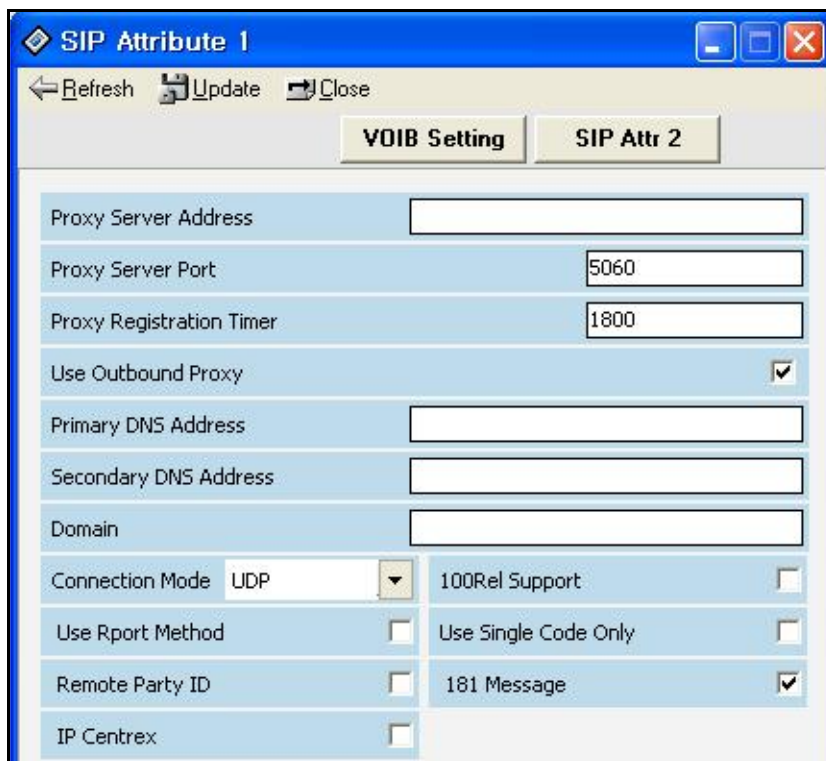
Note: SIP Attributes 1 & 2 are also opened from this window. There is no PGM code for SIP Attributes. So, you cannot program SIP Attributes with a keyset.

SIP Attributes 1 & 2

You can program SIP Attributes. These features are not included as a keyset Admin item. So, if you want to change SIP Attributes, you should use the latest version of PC Admin software.

Operation

1. Enter the PGM 340/341 area of programming.
2. Click on the [SIP Attr 1] button.
3. Either enter appropriate entries in the following fields or leave them empty:
 - Proxy Server Address can be assigned text data or an IP address. Maximum length of this field is 32 characters. You should enter the proxy server address if you are using a proxy server in your SIP application.
 - Proxy port can be assigned from 0-9999.
 - Registration timer is available from 0-65535.
 - A primary and secondary DNS address can be entered the same as the proxy server address. You can enter IP address or text up to 32 characters.



SIP Attribute 1

Refresh Update Close

VOIB Setting **SIP Attr 2**

Proxy Server Address	
Proxy Server Port	5060
Proxy Registration Timer	1800
Use Outbound Proxy	<input checked="" type="checkbox"/>
Primary DNS Address	
Secondary DNS Address	
Domain	
Connection Mode	UDP
100Rel Support	<input type="checkbox"/>
Use Rport Method	<input type="checkbox"/>
Use Single Code Only	<input type="checkbox"/>
Remote Party ID	<input type="checkbox"/>
181 Message	<input checked="" type="checkbox"/>
IP Centrex	<input type="checkbox"/>

4. Click on the [Update] button to save your data.
5. Click on the [SIP Attr 2] button.

SIP Attribute 2

Refresh Close

VOIB Setting SIP Attr 1

Index	User ID	Authentication User Name	Authentication User Password	Contact Number	User ID Registr.	User ID Usage	Asc. S.
1					Provision	OFF	
2					Provision	OFF	
3					Provision	OFF	
4					Provision	OFF	
5					Provision	OFF	
6					Provision	OFF	
7					Provision	OFF	
8					Provision	OFF	
9					Provision	OFF	
10					Provision	OFF	
11					Provision	OFF	
12					Provision	OFF	
13					Provision	OFF	
14					Provision	OFF	

Update Tool

Index: 1 Contact Number: User ID Registration: Provision ☐ User ID Usage: Asc. S.: Update Close

User ID: Authentication User Name:

Authentication User Password: Authentication User Password Repeat:

6. Enter the following as appropriate:
 - User ID, Authentication User Name, and Authentication User Password can be entered as text data and as a number. The maximum length of these fields is 64 characters.
 - The type of Contact Number must be a number; otherwise, PC Admin will display an error message.
 - Authentication User Password Repeat is used for confirming the user password. If there is no user password, this field should be empty. But if a password exists, you should enter the same value in this Repeat field.
7. Click on the [Update] button to save your data.

Networking Programming

You can program for networking system of the system. The programming number range is from PGM 320 to PGM324.

Networking Attributes (PGM 320/PGM321)

Operation

1. Click [Networking Attributes]
2. Enter the values of field. Most of items are in a combo box and you can only select the item with a mouse or an arrow key.
3. Validation of the Edit box field will be checked automatically.

Networking Attributes (PGM320/321)

Refresh Update Close

Network Numbering Plan View NET CO Attribute

NET Basic Attribute

☐ NET Enabled

NET Retry Count 0 0 - 99

NET CNIP Enabled ☒

NET CONP Enabled ☐

NET Signal Method FAC

NET CAS Enabled ☐

NET VPN Enabled ☐

NET CC Retain Mode ☐

NET Supplementary Attribute

NET Transfer Mode REROUT

TCP Port 9000 0 - 9999

UDP Port 65535 0 - 9999

BLF Manager IP 255.255.0.0

Duration of BLF status 0 1 - 20 (sec)

Multicast IP 0.2.0.0

NET TRANS Fault Recall Timer 0 1 - 300 (sec)

Networking Basic Attribute (PGM 320)				
BTN	ITEM	RANGE	DEFAULT	REMARK
1	Network Enable	ON/OFF	OFF	Enable Networking function
2	Network Retry Count	00-99	00	No need at direct connection between SBX IP 320 systems. This field is available at connection through the public network.
3	Network CNIP Enable	ON/OFF	ON	The name of the calling station is sent to the called system between SBX IP 320 systems. CNIP is displayed at called party stations display based on the programming.
4	Network CONP Enable	ON/OFF	OFF	Reserved
5	Network Signal Method	FAC/UUS	FAC	Select the information element type for QSIG supplementary service message.
6	Net CAS Enable	ON/OFF	OFF	Enable Centralized attendant In master system, CAS should be disabled.
7	Net VPN Enable	ON/OFF	OFF	Enable the VPN function
8	Net CC Retain Mode	ON/OFF	OFF	--

Networking Supplementary Attribute (PGM 321)				
BTN	ITEM	RANGE	DEFAULT	REMARK
1	Networking Transfer Mode	RERT/JOIN	REROUT	Only Transfer by Rerouting is possible
2	TCP Port	0000-9999	9000	TCP port for BLF message
3	UDP Port	0000-9999	9001	UDP port for BLF message
4	BLF Manager IP Address	12 digits	0.0.0.0	IP Address of BLF manager for BLF service
5	Duration of BLF Status	01-20 sec	02	Duration of BLF status message
6	Multicast IP Address	12 digits	0.0.0.0	IP address of Multicast for BLF service
7	Net Trans Fault Recall Timer	001-300	010	Network transfer fault recall timer
8	VOIP Call Reroute CO Group	00-24	00	Used to set the CO group of gatekeeper.

Networking CO Line Attribute (PGM 322)

Operation

1. Click [Networking CO Line Attribute]. Then default setting will be displayed.
2. Click the [Update Tool] to change attributes in popup menu. After changing each field, press the [Update] button to save changes.

Networking CO Line Attribute(PGM322)

Refresh Close

CO Num [] - [] **CO ISDN Attr**

CO Num	Networking CO Group	Networking CO Line Type	Gatekeeper Usage	VOIP Mode	DTMF Mode
1	0	PSTN	OFF	H.323	Inband DTMF
2	0	PSTN	OFF	H.323	Inband DTMF
3	0	PSTN	OFF	H.323	Inband DTMF
4	0	PSTN	OFF	H.323	Inband DTMF
5	0	PSTN	OFF	H.323	Inband DTMF
6	0	PSTN	OFF	H.323	Inband DTMF
7	0	PSTN	OFF	H.323	Inband DTMF
8	0	PSTN	OFF	H.323	Inband DTMF

Update Tool

CO Num [10] - [] Select All ☒

☒ Networking CO Group [0] ☒ VOIP Mode [H.323]

☒ Networking CO Line Type [PSTN] ☒ DTMF Mode [Inband DTMF]

☒ Gatekeeper Usage [OFF]

Update Close

Networking CO Line Attribute (PGM 322)				
BTN	ITEM	RANGE	DEFAULT	REMARK
1	Net CO Group	00-24	00	Networking CO group programming for Networking call
2	VOIB Mode	H.323/SIP	--	This admin program establishes which protocol is used among H.323 or SIP at each VOIP CO line
3	Gatekeeper Usage	ON/OFF	OFF	
4	Net CO Line Type	QSIG/PSTN	PSTN	
5	DTMF Mode	2 = INBAND DTMF 3 = RFC2833 DTMF 4 = Outband DTMF		This Admin program determines DTMF Mode at each VOIP CO line

Networking Basic Attribute (PGM 324)

Operation

1. Click [Networking Numbering Plan Table]
2. Click [Update Tool] to change attributes in popup menu. After changing each field, press [Update] button to save changes. Validation will be done automatically.

Network Numbering Plan Table(PGM324)

← Refresh Close

Index	System Usage	NUM Plan Code	CPN/IP Info	NET CO Group	ALT SPD Bin	DEST MPB IP	Digit Repeat	CO ATD Code CLI
0	NET		0.0.0.0 / 0.0.0.0 /			0.0.0.0	OFF	OFF
1	NET		0.0.0.0 / 0.0.0.0 /			0.0.0.0	OFF	OFF
2	NET		0.0.0.0 / 0.0.0.0 /			0.0.0.0	OFF	OFF
3	NET		0.0.0.0 / 0.0.0.0 /			0.0.0.0	OFF	OFF
4	NET		0.0.0.0 / 0.0.0.0 /			0.0.0.0	OFF	OFF
5	NET		0.0.0.0 / 0.0.0.0 /			0.0.0.0	OFF	OFF
6	NET		0.0.0.0 / 0.0.0.0 /			0.0.0.0	OFF	OFF
7	NET		0.0.0.0 / 0.0.0.0 /			0.0.0.0	OFF	OFF
8	NET		0.0.0.0 / 0.0.0.0 /			0.0.0.0	OFF	OFF
9	NET		0.0.0.0 / 0.0.0.0 /			0.0.0.0	OFF	OFF
10	NET		0.0.0.0 / 0.0.0.0 /			0.0.0.0	OFF	OFF
11	NET		0.0.0.0 / 0.0.0.0 /			0.0.0.0	OFF	OFF
12	NET		0.0.0.0 / 0.0.0.0 /			0.0.0.0	OFF	OFF

Update Tool

Index 5

System Usage	NET	NET CO Group	00 - 24	Update Delete Close
NUM Plan Code		ALT SPD Bin		
CPN		DEST MPB IP	0.0.0.0	
IP Info		Digit Repeat	OFF	
		CO ATD Code CLI	OFF	

Network Numbering Plan Table (PGM 324)				
BTN	ITEM	RANGE	DEFAULT	REMARK
1	System Usage	NET/PSTN	NET	--
2	Net Numbering Code	16 digits	--	"*" means any digits can be inserted between 0-9. The digits followed by "#" is an internal station number.
3	Net Number CO Group	00-24	--	"00" means an internal net station number.
4	CPN or IP Information	16 digits	--	CPN for ISDN, IP address for VoIP A max of 4 VOIB IP addresses can be programmed.
5	Alternate Dial Bin	2000-2499	--	Alternate Dial Number (System Speed Bin) that the system uses 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 a PSTN line directly, but connected by another networking system, set Digit Repeat to YES.
8	CO Add Code CLI	On/Off	Off	Use CO Attendant Code for CLI or use NET CLI.

RSG/IP Phone Programming

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

RSG/IP Phone Port Number Assignment (PGM 381)

The RSG/IP Phone receives call service through VOIB.

Then the VOIB for RSG/IP can be assigned.

If several boards are assigned, assign the first VOIB slot on STA/COL Board in PGM 103.

Operation

1. Click [VOIB Slot Assignment for RSG/IP Phone]. Then default information will be displayed about RSG/IP Phone.
2. First, select the VOIB slot and update using the first part. If you select the non-VOIB slot, PC Admin will show an error message. After setting the VOIB slot, press the [Update] button in the upper menu to save the change.
3. Second, set the port number of each VOIB slot. After changing, press the [Update Port] button to save this configuration.
4. Next, configure RSG number and IP Phone number to be used. After setting ports, press the [Update Num] button to save the changes.

VOIB Slot for RSG/IP (PGM380/381)

Refresh Update Close

VOIB Slot for RSG/IP

10 > < [Up] [Down]

Select VOIB Slot [Dropdown]

Channel Number [Dropdown] Update Channel

RSG Number

IP Phone Number 0 Update Num.

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

BTN	ITEM	RANGE	DEFAULT	REMARK
1	VOIB Slot for RSG/IP Phone	--	--	VOIB slot assignment for RSG/IP Phone
2	RSG/IP Channel Assign	--	N/A	--

Port Number for RSG/IP Phone (PGM 381)

BTN	ITEM	RANGE	DEFAULT	REMARK
1	RSG No	0-8	0	--
2	IP Phone Number	00-16	00	The IP Phone number to be serviced from the system.

RSG / IP Phone Attribute (PGM 382)

The following is how to set the attributes of an RSG/IP Phone.

Operation

1. Click [RSG/IP Phone Attribute]
2. Select or check each field.
After setting, press the [Update] button to save changes.

RSG/IP Phone Attributes (PGM 382)				
BTN	ITEM	RANGE	DEFAULT	REMARK
1	Transfer Mode	IP or MAC	IP	--
2	Casting Mode	Unicast or Multicast	Unicast	--
3	Tone Generation	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)	--

RSG/IP Phone Attributes (PGM 382)				
BTN	ITEM	RANGE	DEFAULT	REMARK
6	First Access RSG CO	ON/OFF	ON	If the field is set, the station on RSG can access a CO line on his RSG by dialing the CO Line access code in the 1st available CO group (ex> 9).
7	Ring w/o CO Ring Assign	ON/OFF	ON	If the field is set, stations on RSG will receive the incoming CO ring even though the CO ring is not assigned.

IP Phone Attributes (PGM 386)

The following is the attributes of RSG.

Operation

1. Click [IP Phone Attribute]. Then all data will be read.
2. Select an index that you want to edit and press [Update Tool] in the popup menu. Then the update tool will be activated.

You can edit only two fields (MAC Address and CTI IP Address). Others are not able to be changed manually.

3. After editing, press the [Update] button to save changes.

Bin No.	MAC Address	IP Address	Port View	Port Num	NAT IP Address	NAT Port No.	STUN Enable	CTI IP Address	IP SEC	Outside NAT Firewall
1	00:00:00:00:00:00	0.0.0.0		0	0.0.0.0	0	None	0.0.0.0	OFF	OFF
2	00:00:00:00:00:00	0.0.0.0		0	0.0.0.0	0	None	0.0.0.0	OFF	OFF
3	00:00:00:00:00:00	0.0.0.0		0	0.0.0.0	0	None	0.0.0.0	OFF	OFF
4	00:00:00:00:00:00	0.0.0.0		0	0.0.0.0	0	None	0.0.0.0	OFF	OFF
5	00:00:00:00:00:00	0.0.0.0		0	0.0.0.0	0	None	0.0.0.0	OFF	OFF
6	00:00:00:00:00:00	0.0.0.0		0	0.0.0.0	0	None	0.0.0.0	OFF	OFF
7	00:00:00:00:00:00	0.0.0.0		0	0.0.0.0	0	None	0.0.0.0	OFF	OFF
8	00:00:00:00:00:00	0.0.0.0		0	0.0.0.0	0	None	0.0.0.0	OFF	OFF

Bin No.	MAC Address	IP Address	Port View	Port Num	NAT IP Address	NAT Port No.	STUN Enable	CTI IP Address	IP SEC	Outside NAT Firewall
10	00:00:00:00:00:00	0.0.0.0		0	0.0.0.0	0	None	0.0.0.0	<input type="checkbox"/>	<input type="checkbox"/>

ID: Password:

IP Phone Attributes (PGM 386)

BTN	ITEM	RANGE	DEFAULT	REMARK
1	Set MAC Address	--	00.00.00.00.00.00	[*]: A / [#]: B [CB]: C / [MUTE]: D [DND]: E / [FLASH]: F
2	IP Address Display	--	0.0.0.0	Display Only
3	Port View	--	N/A	Display Only
4	Port Number	--	N/A	Display Only

IP Phone Attributes (PGM 386)				
BTN	ITEM	RANGE	DEFAULT	REMARK
5	NAT IP Address Display	--	0.0.0.0	Display Only
6	NAT Port Number	--	0	Display Only
7	Stun Enabled	--	None	Display Only
8	CTI IP Address (Skip: #)	--	0.0.0.0	--
9	IPSEC Usage	ON/OFF	OFF	--
10	Outside NAT Firewall	ON/OFF	OFF	--
11	User ID	Max of 12 characters		Can be used by Nomad SP user
12	User Password	Max of 12 characters		Can be used by Nomad SP user

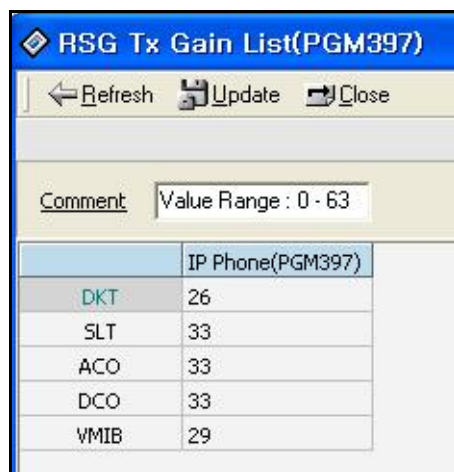
RSG RX Gain Control (PGM 396)

The RX gain on the RSG can be adjusted.

	IP_PHONE(PGM396)
DKT	26
SLT	33
ACO	33
DCO	33
VMIB	29
DTMF	8
TONE	32
MUSIC 1	29
MUSIC 2	29
RSG_IP_PHN	26

RSG TX Gain Control (PGM 397)

The TX gain on the RSG can be adjusted.



	IP Phone(PGM397)
DKT	26
SLT	33
ACO	33
DCO	33
VMIB	29

Nation Specific

You can control transfer sensitivity of another station or CO line for each kind of phone (PGM 400 to PGM 423). These values depend on Nation Specification.

DTIB Rx Gain Control (PGM 400)

SLIB Rx Gain Control (PGM 401)

ACOB Rx Gain Control (PGM 404)

DCOB Rx Gain Control (PGM 406)

VMIB Rx Gain Control (PGM 407)

DTRU Rx Gain Control (PGM 408)

EXT Page Rx Gain Control (PGM 409)

CPTU Rx Gain Control (PGM 410)

MODU Rx Gain Control (PGM 411)

Operation

1. Click [All Rx Gain Control].
2. Enter the values of gain control.

"N/A" means "Not used" with the system. And such fields will not be changed automatically.

All Rx Gain Control(PGM400-411)										
Refresh Update Close										
	DTIB	SLIB	ACOB	DCOB	VMIB	DTMF	TONE	Music 1	Music 2	Modem
From DTIB	26	22	26	33	29	8	32	29	29	N/A
From SLIB	32	32	34	44	40	28	38	40	40	N/A
From ACOB	34	32	36	38	37	42	37	37	37	37
From DCOB	26	26	15	32	32	32	32	32	32	37
From VMIB	21	21	23	32	N/A	N/A	N/A	32	32	N/A
From DTRU	N/A	32	32	32	N/A	N/A	N/A	N/A	N/A	N/A
From EXT PAGE	26	26	28	37	37	N/A	N/A	37	37	N/A
From CPTU	N/A	N/A	32	32	N/A	N/A	N/A	N/A	N/A	N/A
From MODU	N/A	N/A	20	24	N/A	N/A	N/A	N/A	N/A	N/A

Other Gain Table

Operation

1. Click [Other Gain Table].
2. Edit each field in the dialog box. In this window, there are 8 PGM features (PGM 412-418 and 424). So, you can edit these fields at one time.

Other Gain Table(PGM412/413/414/415/416/417/418)

← Refresh Update Close

Short SLIB Gain(PGM 412)

SSLIB / S ACO 32 SSLIB / L ACO 32

Long SLIB Gain(PGM 413)

LSLIB / S ACO 39 LSLIB / L ACO 39

Far SLIB Gain(PGM 414)

F SLIB / S ACO 47 FSLIB / L ACO 47

Short ACO Gain(PGM 415)

SACO / S SLIB 31 SACO / L SLIB 40

SACO / F SLIB 46 SACO / DKT 26

Long ACO Gain(PGM 416)

LACO / S SLIB 36 LACO / L SLIB 44

LACO / F SLIB 50 LACO / DKT 32

DTIB Gain Table (PGM 424)

DKT / S ACO 37 DKT / L ACO 42

MBU DSP Rx Gain(PGM417)

ACO SMS 32 Reserved SLT SMS 20

ACO DTMF CID 17 ACO FSK CID 38

MBU FSK Tx Gain(PGM418)

SMS / ACO 32 Reserved SLT SMS 32

SLT FSK CID 32

System Tone Frequency (PGM 420)

A user entered frequency, (dial tone, ring back tone, error tone, busy tone, dummy dial tone), may be changed to the closest system frequency available.

Operation

Click [SYSTEM Tone Frequency], and select the numbers as desired.

SYSTEM Tone Frequency

Refresh

Update

Close

System Tone Frequency

Dial Tone T1425 Hz

Dial Tone T20 Hz

Ring Back Tone T1425 Hz

Ring Back Tone T20 Hz

Busy Tone T1425 Hz

Busy Tone T20 Hz

Error Tone T1620 Hz

Error Tone T20 Hz

Dummy Dial Tone T1350 Hz

Dummy Dial Tone T2440 Hz

System Tone Frequency (PGM 420)			
ITEM	RANGE	DEFAULT	REMARK
Dial Tone	0000-9999	T1: -- T2: --	Nation Specific
Ring Back Tone	0000-9999	T1: -- T2: --	Nation Specific
Busy Tone	0000-9999	T1: -- T2: --	Nation Specific
Error Tone	0000-9999	T1: -- T2: --	Nation Specific
Dummy Dial Tone	0000-9999	T1: -- T2: --	Nation Specific

Differential Ring Frequency (PGM 421)

A user entered frequency may be changed to the closest system frequency available.

Operation

Click [Differential Ring Frequency], and select the numbers as desired.

Differential Ring Frequency		
Ring 1 T1	1000 Hz	▼
Ring 1 T2	1020 Hz	▼
Ring 2 T1	890 Hz	▼
Ring 2 T2	910 Hz	▼
Ring 3 T1	1260 Hz	▼
Ring 3 T2	1280 Hz	▼
Ring 4 T1	800 Hz	▼
Ring 4 T2	820 Hz	▼

Differential Ring Frequency (PGM 421)			
ITEM	RANGE	DEFAULT	REMARK
Ring 1	0000-9999	T1: -- T2: --	Nation Specific
Ring 2	0000-9999	T1: -- T2: --	Nation Specific
Ring 3	0000-9999	T1: -- T2: --	Nation Specific
Ring 4	0000-9999	T1: -- T2: --	Nation Specific

Distinct CO Ring Frequency (PGM 422)

A user entered frequency may be changed to the closest system frequency available.

Operation

Click [Distinct CO Ring Frequency], and select the numbers as desired.

Distinct CO Ring Frequency

Refresh

Update

Close

Distinct CO Frequency

Ring 1 T1

480 Hz

Ring 1 T2

0 Hz

Ring 2 T1

400 Hz

Ring 2 T2

0 Hz

Ring 3 T1

620 Hz

Ring 3 T2

0 Hz

Ring 4 T1

770 Hz

Ring 4 T2

0 Hz

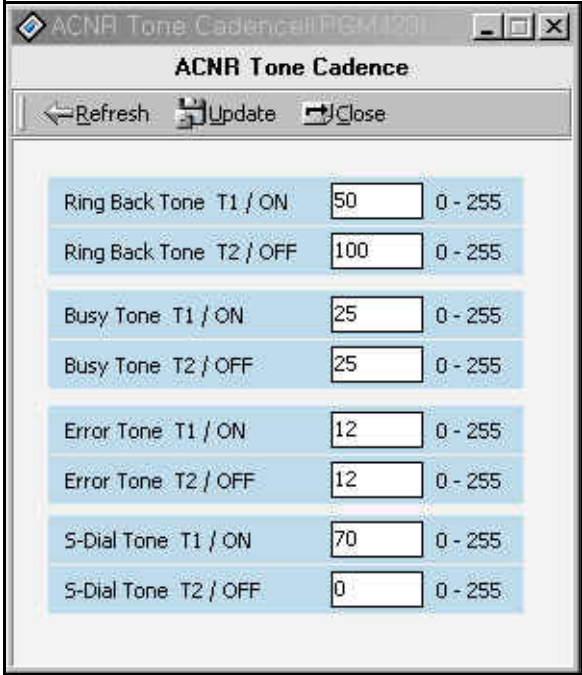
Distinct Ring Frequency (PGM 422)			
ITEM	RANGE	DEFAULT	REMARK
Ring 1	0000-9999	T1: -- T2: --	Nation Specific
Ring 2	0000-9999	T1: -- T2: --	Nation Specific
Ring 3	0000-9999	T1: -- T2: --	Nation Specific
Ring 4	0000-9999	T1: -- T2: --	Nation Specific

ACNR Tone Cadence (PGM 423)

A user entered frequency may be changed to the closest system frequency available.

Operation

1. Click [ACNR Tone Cadence].
2. Enter a tone cadence and press [Update] button to save the changes.



Label	Value	Range
Ring Back Tone T1 / ON	50	0 - 255
Ring Back Tone T2 / OFF	100	0 - 255
Busy Tone T1 / ON	25	0 - 255
Busy Tone T2 / OFF	25	0 - 255
Error Tone T1 / ON	12	0 - 255
Error Tone T2 / OFF	12	0 - 255
S-Dial Tone T1 / ON	70	0 - 255
S-Dial Tone T2 / OFF	0	0 - 255

ACNR Tone Cadence (PGM 423)			
ITEM	RANGE	DEFAULT	REMARK
Ring-Back Tone	000-255	ON: 100 / OFF: 200	20ms base
Busy Tone	000-255	ON: 025 / OFF: 025	20ms base
Error Tone	000-255	ON: 012 / OFF: 012	20ms base
S-Dial Tone	000-255	ON: 150 / OFF: 000	20ms base

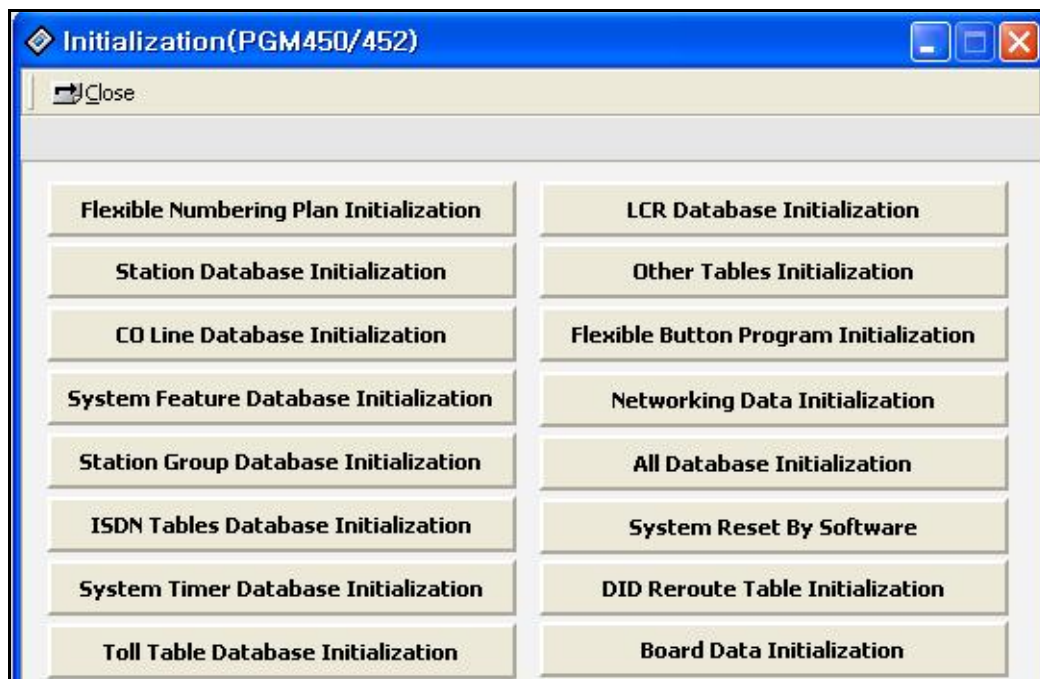
Initialization (DB Init)

The system has been pre-programmed with default data. These features are loaded into memory when the system is initialized. The system should be always initialized when installed or at any time the database has been corrupted. To initialize the system to the default values, proceed as follows.

Operation

1. Click [Initialization].
2. Press one of the buttons shown below to initialize.

Note: It is recommended that you do not use a USB-Serial converter. It may produce a communication error between the SBX IP 320 and the PC.



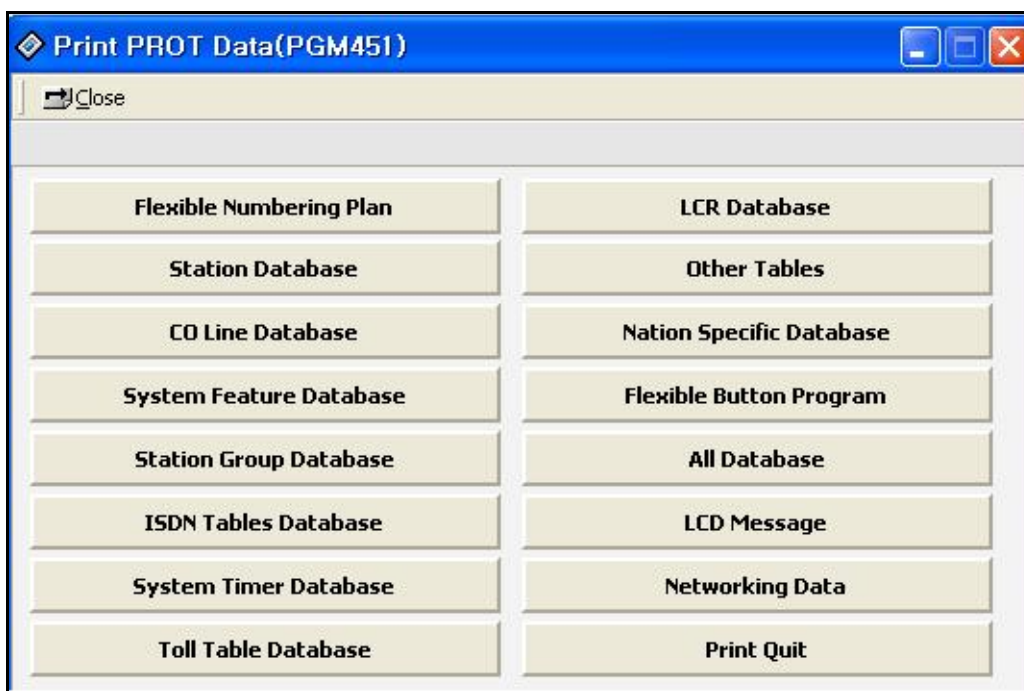
Print Database

To obtain a hard copy printout of the database, a printer must be connected to the RS-232C connector.

Print Prot Data (PGM 451)

Operation

Click one of the buttons below to get a hard copy.



Print Prot Data (PGM 451)			
ITEM	RANGE	DEFAULT	REMARK
Flexible Numbering Plan Print		--	--
Station Database Print	STA_R	--	--
CO Line Database Print	CO_R	--	--

Print Prot Data (PGM 451)			
ITEM	RANGE	DEFAULT	REMARK
System Feature Database Print		--	--
Station Group Database Print		--	--
Reserved		--	--
System Timer Database Print		--	--
Toll Table Database Print		--	--
LCR Database Print		--	--
Other Tables Print		--	--
Nation Specific Database Print		--	--
Flexible Button Program Print	STA_R	--	--
All Database Print		--	--
LCD Message Print		--	--
Networking Data		--	--
Print Quit		--	--

SBX IP 320 Offline PCAdminPro

General Description

Introduction to Offline PCAdminPro

SBX IP 320 Offline PCAdminPro is a software Administration Program for the SBX IP 320 system which controls the functions and values of the SBX IP 320 system using "*.usr" file downloaded by the DB Up/Download Program indirectly. This DB Up/Download Program is included in the Online PC Admin program package.

Hardware/Software Requirements

Requirements of the SBX IP 320 Offline PCAdminPro system and PC are:

- SBX IP 320 system
- PC
 - Pentium III CPU (550 Mhz minimum)
 - RAM (128 MB minimum)
 - Minimum 3-button Mouse/ VGA Monitor
 - MS Windows 98 minimum
 - HDD (20 MB minimum)

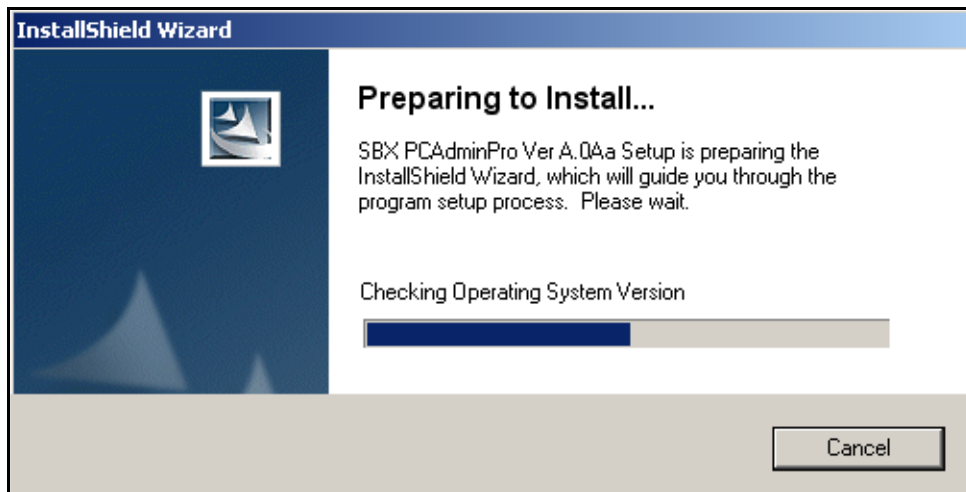
Version Compatibility

- The Offline PCAdminPro version isn't compatible with every MP version. Use the Offline PCAdminPro version compatible with your MP Version.
 - When you open the user file (*.usr) and the user file is an old version, you will receive a warning message. Also, you cannot update the user file and some admin field values may be incorrect.
- Regardless of having an old Offline PCAdminPro version installed, you can install a new Offline PCAdminPro version.
 - When a new Offline PCAdminPro version is released, the directory of the installation path will be adjusted according to the new version (For example, the path can be "Offline PCAdminPro 2.2V" for a 2.2 version. You can change the path).
 - If you do not want to use the old Offline PCAdminPro version, delete the old version before installing the new Offline PCAdminPro version.

Installation of the Offline PCAdminPro Software

1. Insert CD-ROM to be installed into the CD-ROM Drive of the PC.
2. Double-click "setup.exe".

The "Preparing to install" progress window will display



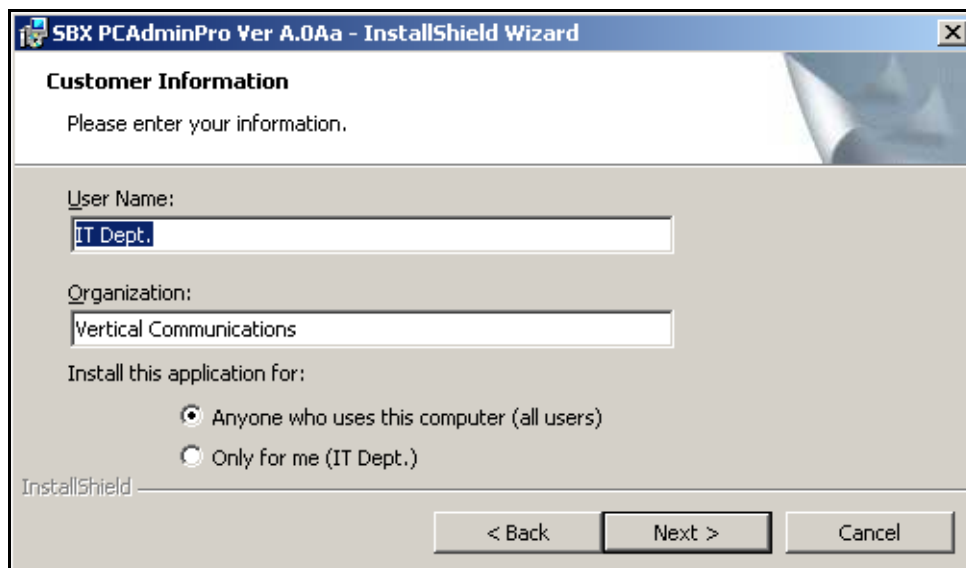
If you want to cancel, click the Cancel button.

The "Welcome to the Install Shield Wizard for SBX PCAdminPro" window will appear.



3. Click the "Next" button.

The "Customer Information" window will appear.

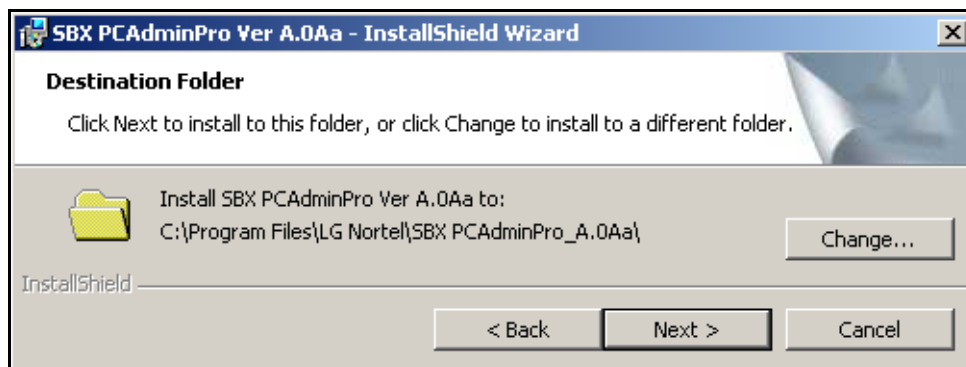


The screenshot shows the "Customer Information" window of the SBX PCAdminPro Ver A.0Aa - InstallShield Wizard. The window has a title bar with the application name and a close button. The main area is titled "Customer Information" and contains the instruction "Please enter your information." Below this, there are three input fields: "User Name:" with the text "IT Dept.", "Organization:" with the text "Vertical Communications", and "Install this application for:" with two radio button options: "Anyone who uses this computer (all users)" (selected) and "Only for me (IT Dept.)". At the bottom, there is a progress bar labeled "InstallShield" and three buttons: "< Back", "Next >", and "Cancel".

4. Input your name and your organization.

5. Click the "Next" button.

The "Destination Folder" window will appear.

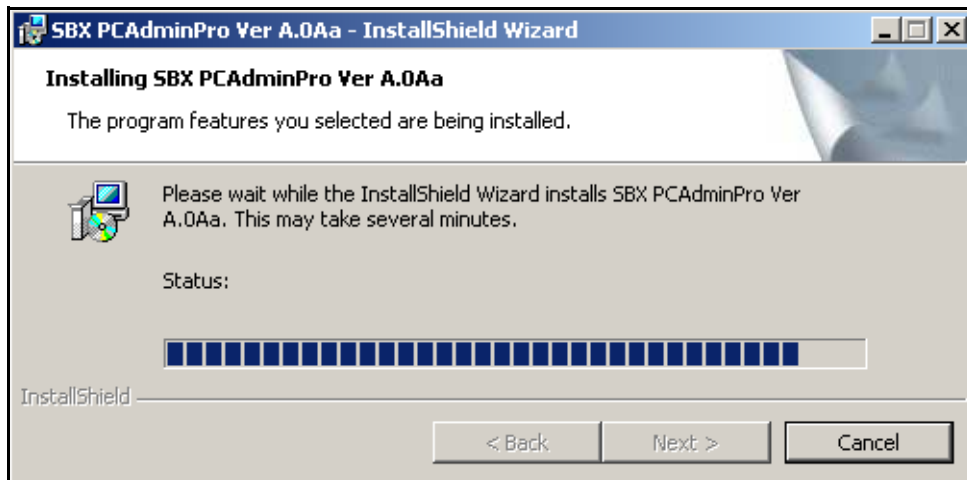


The screenshot shows the "Destination Folder" window of the SBX PCAdminPro Ver A.0Aa - InstallShield Wizard. The window has a title bar with the application name and a close button. The main area is titled "Destination Folder" and contains the instruction "Click Next to install to this folder, or click Change to install to a different folder." Below this, there is a folder icon and the text "Install SBX PCAdminPro Ver A.0Aa to:" followed by the path "C:\Program Files\LG Nortel\SBX PCAdminPro_A.0Aa\". To the right of the path is a "Change..." button. At the bottom, there is a progress bar labeled "InstallShield" and three buttons: "< Back", "Next >", and "Cancel".

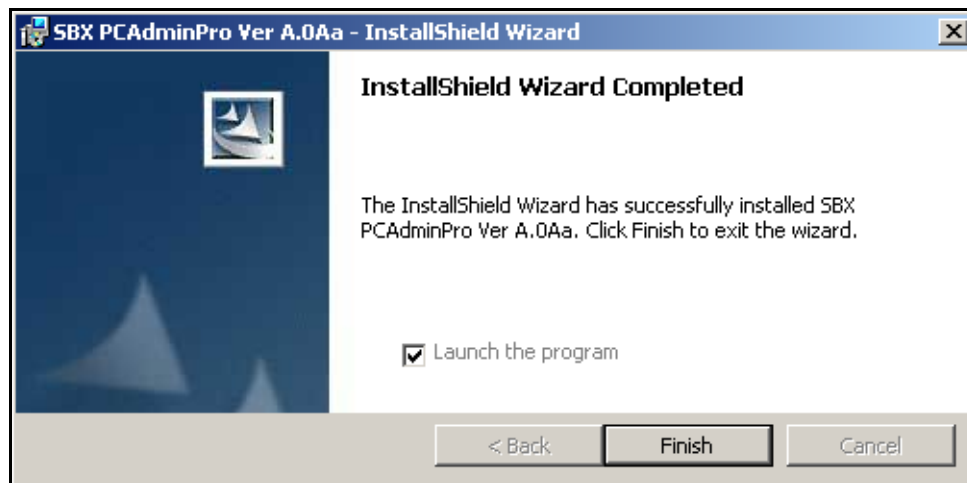
6. Confirm the Current Path Setting or change the path

7. Click the "Next" Button.

The "Installing SBX PCAdminPro" window appears.



The "InstallShield Wizard Completed" window appears.



8. To end the Installation process click the "Finish" button.

Remove Software

To remove program:

1. Click Start, point to Settings, click Control Panel, and then click on "Add or Remove Programs".

The item can be seen in the "Change or Remove Programs" tab.

2. Click the "Remove" button to remove the program.

Run Program

To start the program, click Start, point to Programs, click the "SBX PCAdminPro" Folder, and then click the "SBX PCAdminPro" icon.

Procedure for using Offline PCAdminPro

1. Install the "SBX PCAdminPro Package" for DB Updown/upload.
2. Download the DB File (*.usr) from the MP System with "DB Upload-Download" software in the "Online PC Admin Package".
3. Run the "Offline PCAdminPro" software.
4. Load the downloaded DB File.
5. You can view the value of the admin field and change the value if desired.
6. If you wish to save the changed value as the DB file, select the "Save File" Menu.
7. Upload the saved DB File (*.usr) to the MP System with "DB Upload-Download" software.

Detail Program Information

Launcher Window

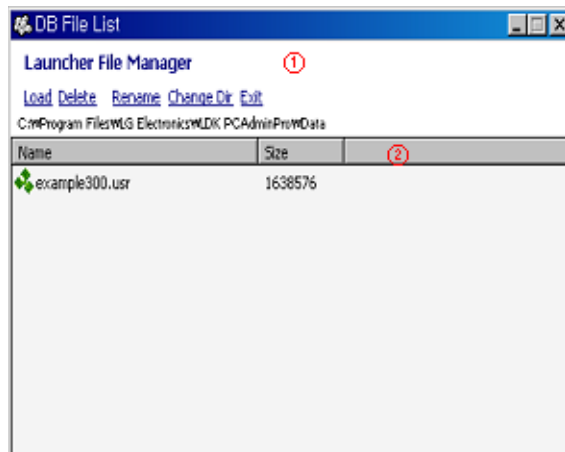


* Available system contents

Select the system that you want to use

File Manager

This shows information about the DB file that exists in the [data] directory as in the window below (DB File List)

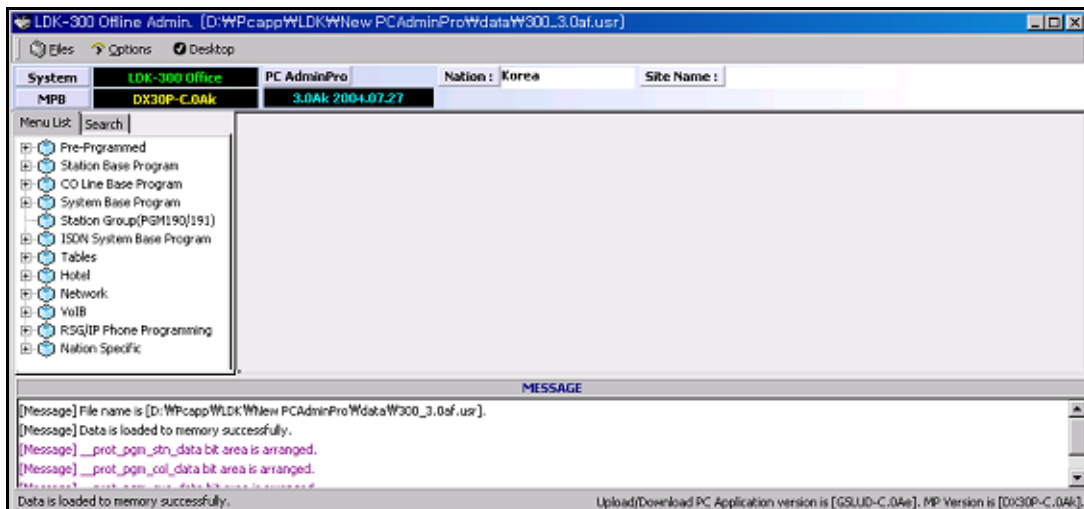


① Menu

- ◆ Load: DB File open
- ◆ Delete/Rename
- ◆ Change Dir: Change the Directory for DB file management
- ◆ Exit

② DB File List View: You can load the file by double-clicking the DB file.

Sub-Window



- Work Space

When you select the admin menu, the information window of the admin field will be displayed in this area.

- Menu

- Load File : You can load file.
- Save File : You can save file.
- Options : You can change program environment.
- Desktop : To memory window position and size, and bring back anytime.
- Exit

- Menu List

The Admin Menu is displayed.

- Search

PGM No.: You can run admin window by inputting PGM Number directly.

Search : You can run admin window by inputting the string of admin menu.

- Information Display Area

Operation result message is displayed here.

- Status Bar

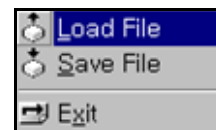
The Status Panel shows the final displayed result message.

Basic Operation

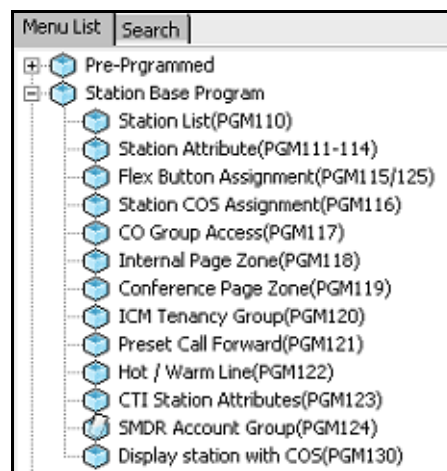
1. Open File - Open the database file from the "Load File" window.

An "Open Complete" message is displayed in the information area.

=> [Message] Data is loaded to memory successfully.



2. Open Window - Click the menu bar button you want to view, then select an item.



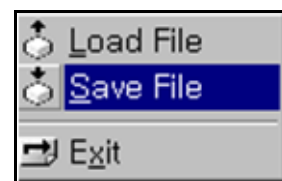
3. View DB - To view information, Click the "Refresh" button. The information is displayed.

Station Attributes (PGM111/112/113/1)		
Attributes I (PGM111/112)	Attributes II (PGM1113)	Attribute IS
Auto Speaker <input checked="" type="checkbox"/>	ICM Group <input type="text" value="1"/>	
Call Forward <input type="checkbox"/>	Error Tone for TAD <input type="checkbox"/>	
DND <input type="checkbox"/>	SLT Flash Drop <input type="checkbox"/>	
Data Security <input type="checkbox"/>	Loop LCR ACNT <input type="checkbox"/>	
Howling Tone to SLT <input checked="" type="checkbox"/>	CO Warning Tone <input type="checkbox"/>	
ICM Box Signaling <input type="checkbox"/>	Automatic Hold <input type="checkbox"/>	
No Touch Answer <input type="checkbox"/>	CO Call Time Restriction <input type="checkbox"/>	
Page Access <input type="checkbox"/>	Individual CO Line Access <input checked="" type="checkbox"/>	

4. Update DB - To update the DB, change an attribute value and click the "Update" button. The DB is saved.

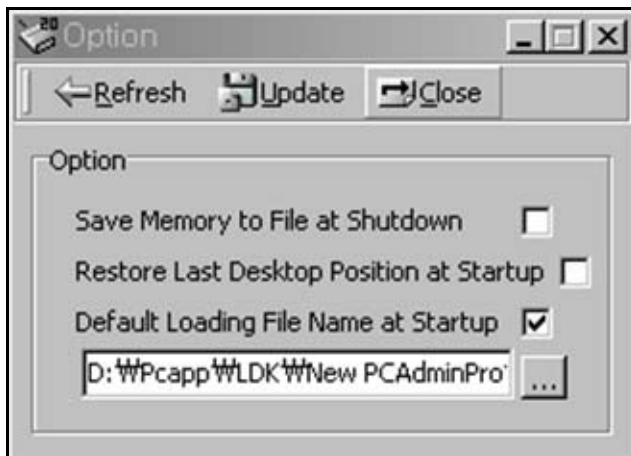
Note: After clicking the "Refresh" or "Update" button, the resulting message is displayed in the information area.

5. Save File - To save information to file, click "Save File".
6. Exit - Click the "Exit" button.



Options Window

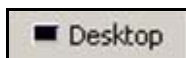
You can change the program environment.



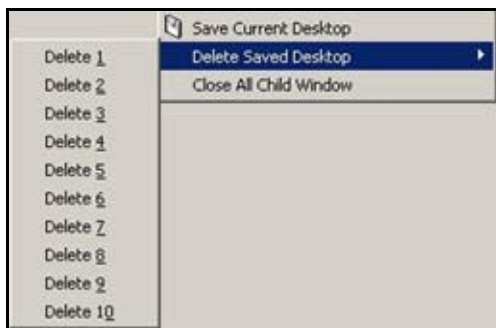
- Save Memory to File at Shutdown
If this box is checked, the File is automatically saved when the program is closed.
- Restore Last Desktop Position at Startup
If this box is checked, when the program is started-up, the window is automatically activated to the same figure as before last closed.
- Default Loading File Name at Startup
 - If this box is checked, the Database file is automatically loaded to memory.
 - You must set the default file name in the text box below this option.

Desktop

This feature allows you to save a window's position and size, and be able to switch between up to 10 saved desktop windows.



This icon is at the top menu of the program. Click this icon to popup the desktop function.



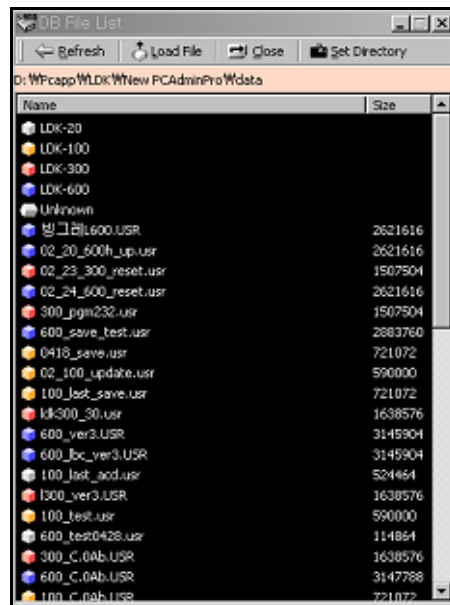
- Restore window
 - Click from No. 1 to No. 10 to restore
 - From 1 to 10, you can save 10 window positions.
- Save Procedure
 - Click the "Save Current Desktop" button
 - Name and then click the OK button
- Delete Procedure
 - Click the "Delete Saved Desktop" button
 - Select the "Delete XX" button to delete
- Close All Child Window
 - To close all sub windows, click this button.

DB File List (Not Used)

This window shows information about the DB file that is located in the [data] directory. The [data] directory is located in the main folder.

- Usage

Select the DB File and click the "Load File" button or double-click the File icon.

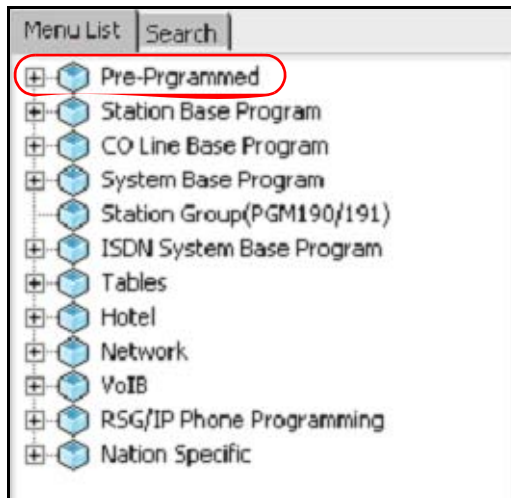


Information Display Area

- Operation result message is displayed here.
- This area is at bottom of the program.

Pre-Programmed

You can change admin values such as Location Information, Slot Assignment, Numbering Plan, etc. Pre-Programmed items are from PGM 100 to PGM 109. Click on "Pre-Programmed" in the Menu List to expand it and then click on a sub-menu item to program the specified function.



Configuration (PGM 100-103)

The Configuration window (PGM 100-103) is a software interface for setting up the system. It includes a title bar with 'Configuration' and standard window controls. Below the title bar are buttons for 'Refresh', 'Update', and 'Close'. The window is divided into several sections:

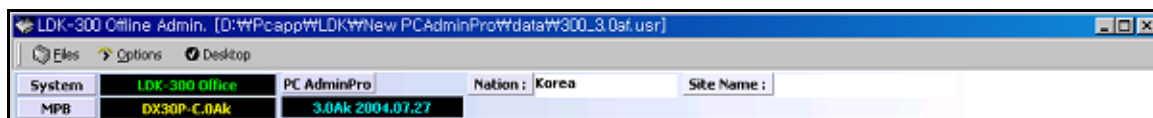
- Location Program (PGM100):** Contains a 'Nation Code' dropdown menu set to 'Korea' and a 'Site Name' text input field.
- Slot Assignment (PGM101)/Logical Assignment(PGM103):** Features two tabs: 'All Slot Assignment' (selected) and 'Logical Assignment'. Below the tabs is a table with columns 'Slot No', 'Board Type', and 'Port Number'.

Slot No	Board Type	Port Number
1	DSIB	12
2		
3	WTIB	8
4	LCOB4	4
5		
6	VOIB	2
7	PRIB	30
8		
9		

 Below the table are 'Slot Assignment' and 'All Clear' buttons.
- WTIB Port Setting(PGM102):** Contains a 'Port Number' dropdown menu set to '8'.

Location Information (PGM 100)

PGM 100 allows you to set up the Nation Code and Customer Site Name. The Name code is the same as the long distance telephone code. The site name is the name of your site. This information will be displayed on the menu title bar.



Operation

- After changing the nation, you must save the database file and upload it to the SBX IP 320 system. Also, you have to reset the system without DB protection. At that time Dip S/W 4 must be set to the ON state.
- For another admin modification, you download the changed database file.

Slot Assignment (PGM 101)

The SBX IP 320 system supports 10 slots. This program assigns each slot to one type of the boards. After changing the Slot Assignment, you must save the database file and upload it to the SBX IP 320 system and then reset the system.

For another admin modification (Station, CO, etc), you download the changed database file.

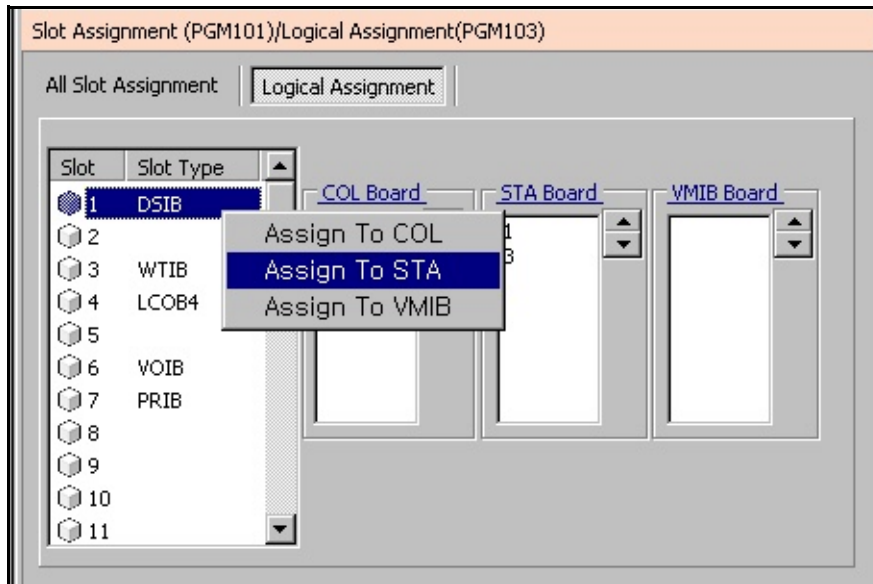
Logical Slot Assignment (PGM103)

This area of programming sets up COL board, STA board, and VMIB.

Operation

If any board is preset automatically by the system, it shows the boards on the dialog box.

1. Add the slot to a location on the right side of the dialog box. If you select the Station board, assign the slot to the station window.
2. To change the order of slots, use [Up] and [Down] button to change the order of the boards.
3. After editing, press the [Update] button to save change values.
4. To remove a board, select a slot number below the COL board, STA board, or VMIB and click the delete button.



Numbering Plan Type (PGM 104/105/106/107/109)

The default range of station numbers is from 100-147, but 100-131 is the maximum usable at this time. You can change the range according to the nation or your style.

Operation - Setting station number sequentially (in PGM 105)

1. You enter the new station number in the New Station Number field.

Numbering Plan

Refresh Update Close

Numbering Plan Type (PGM104)

Type: NumSetType1 (100 - 399)

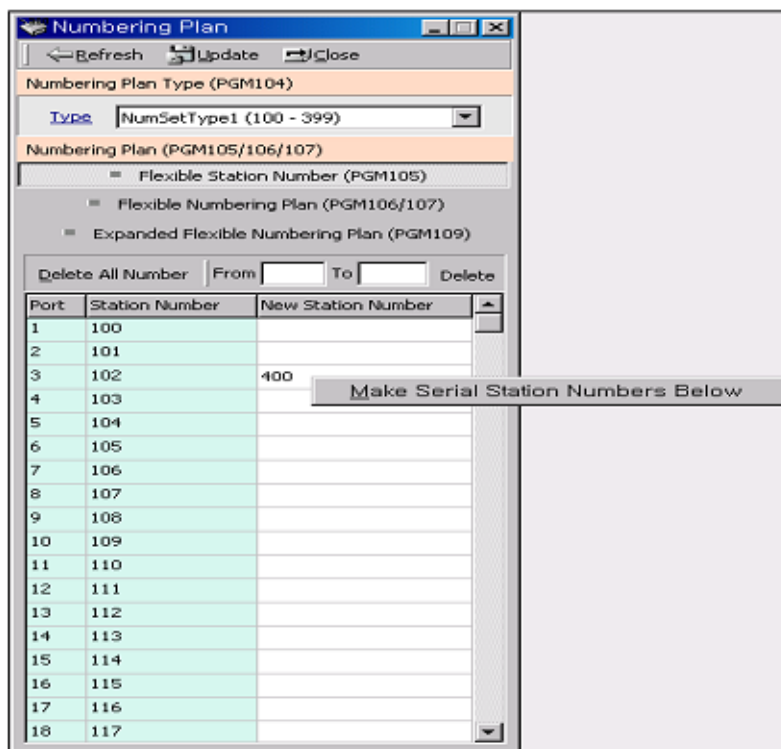
Numbering Plan (PGM105/106/107)

- Flexible Station Number (PGM105)
- Flexible Numbering Plan (PGM106/107)
- Expanded Flexible Numbering Plan (PGM109)

Delete All Number From To Delete

Port	Station Number	New Station Number
1	100	
2	101	
3	102	
4	103	
5	104	
6	105	
7	106	
8	107	
9	108	
10	109	
11	110	
12	111	
13	112	
14	113	
15	114	
16	115	
17	116	
18	117	

2. Right-click with the mouse. Then, the menu item "Make Serial Station Numbers Below" appears.
3. You can set the station number automatically by selecting this menu item.



Numbering Plan

← Refresh ↻ Update ✕ Close

Numbering Plan Type (PGM104)

Type: NumSetType1 (100 - 399)

Numbering Plan (PGM105/106/107)

- Flexible Station Number (PGM105)
- Flexible Numbering Plan (PGM106/107)
- Expanded Flexible Numbering Plan (PGM109)

Delete All Number From: To: Delete

Port	Station Number	New Station Number
1	100	
2	101	
3	102	400
4	103	401
5	104	402
6	105	403
7	106	404
8	107	405
9	108	406
10	109	407
11	110	408
12	111	409
13	112	410
14	113	411
15	114	412
16	115	413
17	116	414
18	117	415

ITEM	INTERCOM RANGE	DEFAULT	REMARK
Number Set Type 1	100-147	Yes	As the basic type, the 1st digit of the station number should be 1-4
Number Set Type 2	100-147	No	The station number can be changed within 799
Number Set Type 3	100-147	No	Australia default
Number Set Type 4	700-747	No	New Zealand default
Number Set Type 5	200-247	No	Italy default
Number Set Type 6	21-68	No	Stations above max ports will display as "****"
Number Set Type 7	100-147	No	Stations above max ports will display as "****"
Number Set Type 8	100-147	No	The station number can be changed within 999

IP Setting (PGM 108)

You must enter a valid IP Setting to transport data remotely through the network.

Operation

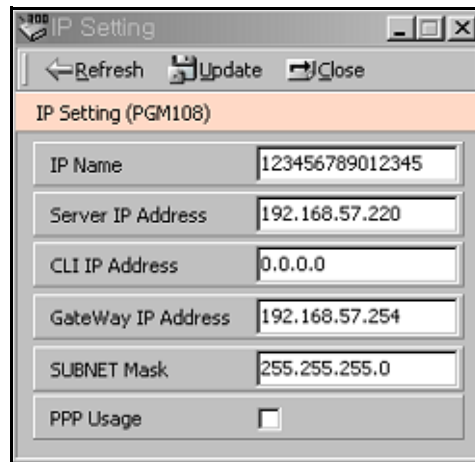
IP Name has no meaning at all. It can contain up to 15 characters. You can put the hostname if you want. In that case, it is not a real hostname (optional).

The Server IP Address is the IP address of the SBX IP 320 system. The IP address is assigned by the network administrator. If you don't want to use the network connection, you can skip this feature. If you want to use the network connection, you must configure this feature.

Client CLI IP Address (optional)

The Gateway Address is the IP Address of the gateway that the system uses. If you don't enter the gateway's IP Address, you can't access the SBX IP 320 system from another LAN segment that is separated by a router or a 3-layer switch.

Subnet Mask is set to 255.255.255.0 by default.



IP Setting (PGM108)	
IP Name	123456789012345
Server IP Address	192.168.57.220
CLI IP Address	0.0.0.0
GateWay IP Address	192.168.57.254
SUBNET Mask	255.255.255.0
PPP Usage	<input type="checkbox"/>

Board Attributes (PGM 155)

You can program the board attributes of equipped boards.

Station Base Program

Use Station Base Program to change any station related function. Station Base Program items are from PGM 110 to PGM 130 & 250. When you use station base program items, you must enter the station range.

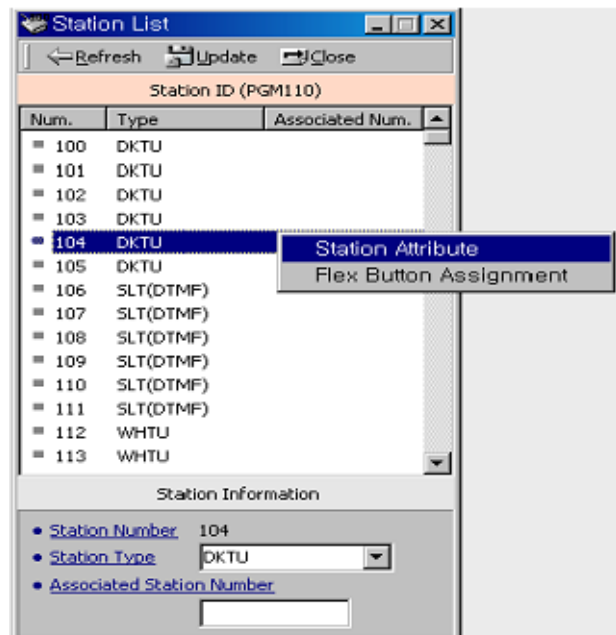
Station ID Assignment (PGM 110/111/112/113/114)

This menu is related with assigning the phone type for each station. You can start the station main window for many programming. First, select the station list. With this window, you can select other sub-menus such as station attribute or Flexible button assignment.

Operation1

1. Click [Station List].
2. Right-click for other programming.
3. Select the menu that you want to change. Then you will see each different window for menu that you selected.

For example, the following window displays station attributes.



Station Attribute

← Refresh ↻ Update ✕ Close

Current Station Number

Station Attributes (PGM111/112/113/114)

Attributes I (PGM111) Attributes II (PGM112) Attributes III (PGM113) Attribute ISDN (PGM114)

Auto Speaker	<input checked="" type="checkbox"/>	ICM Group	<input type="text" value="1"/>	SIP U-ID TBL	<input type="text" value="0"/>	0 - 32
Call Forward	<input checked="" type="checkbox"/>	Error Tone for TAD	<input type="checkbox"/>			
DND	<input checked="" type="checkbox"/>	SLT Flash Drop	<input type="checkbox"/>			
Data Security	<input type="checkbox"/>	Loop LCR ACNT	<input type="checkbox"/>			
Howling Tone to SLT	<input checked="" type="checkbox"/>	VMIB Slot	<input type="text" value="0"/>			
ICM Box Signaling	<input type="checkbox"/>	VMIB MSG Type	<input type="text" value="LIFO"/>			
No Touch Answer	<input checked="" type="checkbox"/>	OFFNET Forward	<input checked="" type="checkbox"/>			
Page Access	<input type="checkbox"/>	Forced HF	<input type="checkbox"/>			
Ring Type	<input type="text" value="0"/>	CIDSLT CAS GAIN	<input type="text" value="5"/>			0 - 20
Speaker Ring	<input type="text" value="Speaker"/>	CIDSLT FSK GAIN	<input type="text" value="5"/>			0 - 20
Speakerphone	<input checked="" type="checkbox"/>	Caller V-OVER	<input type="checkbox"/>			

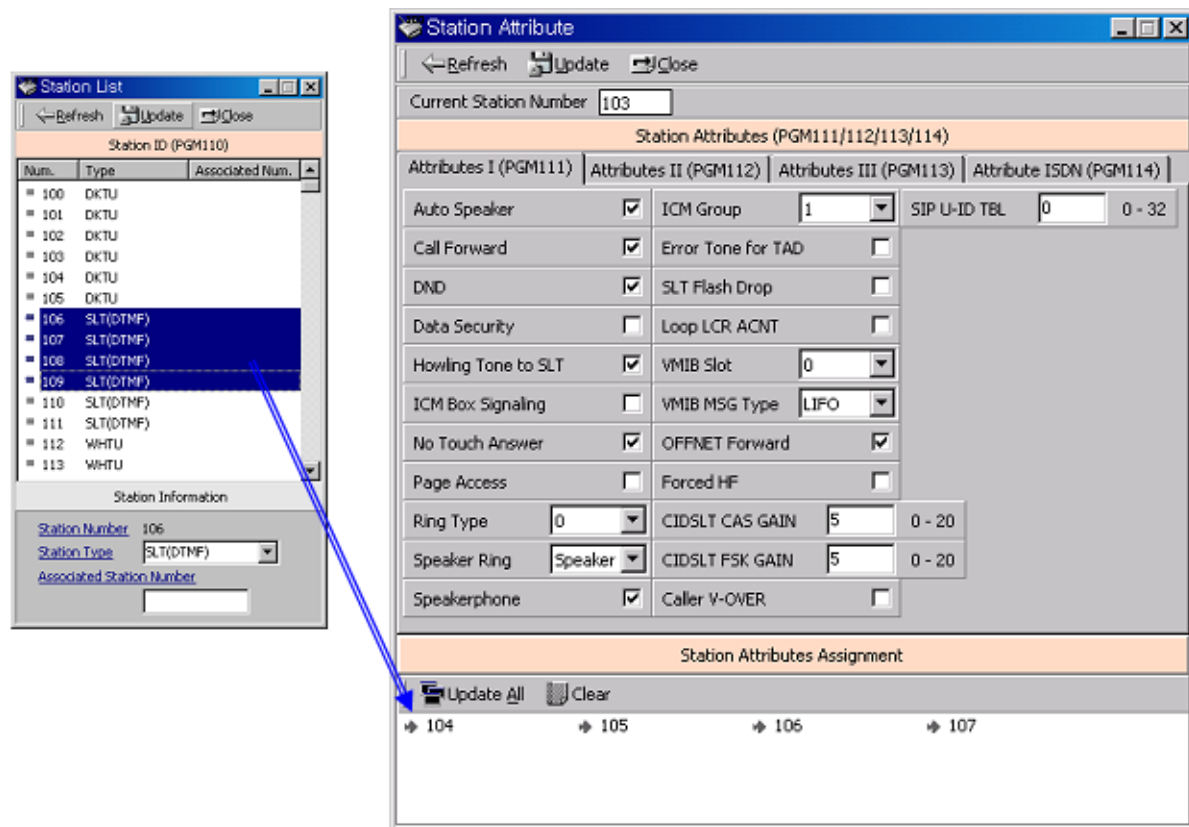
Station Attributes Assignment

↻ Update All ✕ Clear

➡ 104 ➡ 105 ➡ 106 ➡ 107

Operation2 - Several Station Attributes update

1. Change the admin field you want in [Figure 4-2]
2. Drag and drop several stations in the Station List (PGM110) to Station Attributes Assignment area
3. Press the "Update All" button for updating. If you again want another station, press the "Clear" button.



Station Attributes I (PGM111)			
ITEM	RANGE	DEFAULT	REMARK
Auto Speaker Selection	ON/OFF	ON	Allows accessing a CO line or placing a DSS call by pressing an appropriate {CO} or {DSS} button without lifting the handset or pressing the [SPEAKER] button
Call Forward	ON/OFF	ON	Enables Call Forward to be activated by the station
DND	ON/OFF	ON	Enables DND to be activated by the station
Data Line Security	ON/OFF	OFF	ON protects from override and camp-on, when in a busy state
Howling Tone to SLT	ON/OFF	ON	The allowance to give howling tone to an SLT
ICM Box Signaling	ON/OFF	OFF	Allows receiving ICM box / Doorbox signal
No Touch Answer	ON/OFF	ON	The allowance to connect the transferred CO line automatically when station mode is set to H/P
Page Access	ON/OFF	OFF	Allows access to paging by the station
Ring Type	0-4	0	The station can give its own ring type signal to another station in the system through this field calling party centric
Speaker Ring	1-3	1	Station rings through (1) Speaker, (2) Headset, or (3) Both speaker & headset
Speakerphone	ON/OFF	ON	ON allows operation with Speakerphone
VMIB Slot	0-2	0	Assign VMIB logical slot the station uses
ICM Group	1-5	1	Assign the ICM Tenancy Group to which the stations belong
Error Tone for Tad	ON/OFF	OFF	In Answering machine instead of SLT, send Busy Tone
SLT Flash Drop	ON/OFF	OFF	In SLT, pressing [FLASH] key or hook flashing will drop the CO Call
Loop LCR Account Code	ON/OFF	OFF	Check Account Code at Loop LCR (Except AUS_TELSTRA)
VMIB Message Type	FIFO/ LIFO	LIFO	Priority to play VMIB message
Off-net Call Forward	EN/DIS	EN	The possibility to enable/disable Off-net call forward
Force HF	ON/OFF	OFF	Forced Handsfree configuration (from V3)

Station Attributes I (PGM111)			
ITEM	RANGE	DEFAULT	REMARK
Reserved	--	--	--
Reserved	--	--	--
Caller Voice Over	ON/OFF	OFF	Caller Voice Over option (ON/OFF)
SIP User Bin	00-32	00	UID table index for SIP outgoing call VOIB make "From" header if this value is: 00: Use COLP 01-32: Use SIP UID (PGM351-1)
Redial DTMF	ON/OFF	ON	

Station Attributes II (PGM112)			
ITEM	RANGE	DEFAULT	REMARK
CO Warning Tone	ON/OFF	ON	The allowance to receive warning tone to remind of the call elapse time in case of outgoing CO conversation
Automatic Hold	ON/OFF	ON	While on a CO line, the station user seizes another CO line by depressing the {CO} button. The first CO line goes on Hold automatically (STA2:ON).
CO Call Time Restriction	ON/OFF	OFF	If this flag is set to YES, a station's outgoing CO call may be disconnected when the CO call restriction timer (PGM180-Btn 17) expires
CO Line Access	ENABLE/DISABLE	ENABLE	The allowance to access individual CO line by dialing
CO Line Queuing	ENABLE/DISABLE	ENABLE	The allowance of queuing for a busy CO/group of lines
CO PGM	ENABLE/DISABLE	DISABLE	Determines if a station user can program CO button
PLA	ENABLE/DISABLE	ENABLE	The allowance to answer calls by simply lifting handset or pressing the [SPEAKER] button with the answering priority
Prepaid Call	ON/OFF	OFF	The allowance to use the Prepaid CO Call feature (refer to PGM180-Btn16)
Speed Dial Access	ENABLE/DISABLE	ENABLE	Allows access to system speed dial by the station

Station Attributes II (PGM112)			
ITEM	RANGE	DEFAULT	REMARK
Two Way Record	ON/OFF	OFF	During incoming or outgoing call, user can record the conversation of both parties.
Fax Mode	ON/OFF	OFF	In Fax mode, Single ring and No Attendant Recall
Off-net Call Mode	EXT/ALL	ALL	ALL: Internal Off-net Call Fwd and External Off-net Call Fwd are allowed. EXT: only External Off-net Call Fwd is allowed
UCD Grp Service	ON/OFF	OFF	When DID/DISA call destination is STA: ON: ring to UCD Grp to which the station belongs OFF: ring to the station
Ring Grp Service	ON/OFF	OFF	When DID/DISA call destination is STA, ON: ring to Ring Grp to which the station belongs OFF: ring to the station
Stop Camp On Tone	ENABLE/ DISABLE	DISABLE	ENABLE prevents the Camp on Tone from sounding
Line Length	SHORT/ LONG/ FAR	SHORT	Line Length
MSG SCRL SPD	0-7	3	Scroll speed when a broadcasting message is displayed
Block Back Call	ON/OFF	OFF	To prevent unattended recalling, the 1st CO line will be disconnected if an SLT seizes a 2nd CO line with FLASH
I-Time RST	ON/OFF	OFF	Internal RST
Stn Auth Chk	ON/OFF	OFF	Station authentication check
Reserved	ON/OFF	OFF	--
Door Open	EN/DIS	EN	Door open enable
Dummy Stn	ON/OFF	OFF	Dummy Station Usage
Emergency Supervisor	ON/OFF	OFF	

Station Attributes III (PGM113)			
ITEM	RANGE	DEFAULT	REMARK
ADMIN	ENABLE/ DISABLE	DISABLE	ENABLE allows the station to program the Admin Database. This feature is available at only DKTUs (STA 100 is Enabled by default).
VMIB Access	ENABLE/ DISABLE	ENABLE	ENABLE allows access to the Digital Voice Unit
Group Listening	ENABLE/ DISABLE	DISABLE	ENABLE allows the station to use group listening (While you are talking on handset, by pressing the [SPEAKER] button, other persons around you may hear the conversation through the speaker of the key telephone).
Override Privilege	ENABLE/ DISABLE	DISABLE	ENABLE allows the station to override a CO line to gain access to the conversation
SMDR Hidden Dialed Digits	ENABLE/ DISABLE	DISABLE	ENABLE allows the station to hide CO dialing numbers from SMDR printing
Voice Over	ENABLE/ DISABLE	DISABLE	ENABLE allows the station to use Voice Over feature
Warm Line	HOT/ WARM	WARM	This field is determined that Warm Line (OFF) or Hot Line (ON) in PGM 122.
VMIB MSG Password	ON/OFF	OFF	ON allows the station to use VMIB MSG Password attributes
VMIB MSG Date/Time	ON/OFF	ON	The allowance to use VMIB MSG
ALARM Attribute	ON/OFF	OFF	Basic Alarm
Mute Ring Service	ON/OFF	ON	Mute Ring Service configuration
Call Cut Off Timer	00-99	00	If the timer expires, the call is released and the user receives a disconnect tone
Barge In Mode	0-2	0	0: OFF 1: Monitor Mode: The intruding extension can listen to the existing conversation but cannot participate. 2: Speech Mode: The intruding extension can listen to and join to the existing conversation.

Station Attributes III (PGM113)			
ITEM	RANGE	DEFAULT	REMARK
Auto Forward to VMIB	ON/OFF	ON	
Station Port Block	ON/OFF	OFF	If this value is set to ON, the station is blocked and it is impossible to use that station

ISDN Station Attributes (PGM114)			
ITEM	RANGE	DEFAULT	REMARK
CLIP LCD Display	ON/OFF	ON	This field is determined whether a station displays CLIP
COLP LCD Display	ON/OFF	OFF	This field is determined whether a station displays COLP
CLI / Redirect Display	0-1	0	To Select Original CLI or Redirected CLI. 0: Original CLI, 1: Redirected CLI
CLI MSG Wait	ON/OFF	OFF	An ON setting allows a station to receive CO message wait indications
Ext or CO ATD	ATD/EXT	EXT	To Select EXT (extension number) or CO ATD to make outgoing CLI or COLP information
Keypad Facility	KEYPAD/DTMF	DTMF	This field determines whether an ISDN station sends digit in DTMF or keypad facility after connected
LONG/SHORT	LONG/SHORT	SHORT	This field determines whether an ISDN station acts in Short passive mode or in the Long mode.
CPN Type	0-2	0	This field indicates how the CPN IE is filled in SETUP message. 0: Do not sent CPN (Called Party Number) to S0. In this case, all S0 STA of the S port will be ringing. 1: Send station number as CPN 2: Bypass the CPN from the network. (In options 1 & 2, only one specific STA will be ringing)
Sub Address	0-2	0	This field indicates how the sub-address is used in the SETUP message. 0: Station sub-address not used. 1: Sub-address is filled in the CPN field of SETUP message. 2: Sub-address is filled in the CPSN (Called Party Sub-address Number) field of SETUP.

ISDN Station Attributes (PGM114)			
ITEM	RANGE	DEFAULT	REMARK
DISA Restriction	ON/OFF	OFF	If this value is set to ON, the station is restricted to receive the DISA incoming call.
CLI Name Display	ON/OFF	OFF	If this field is ON, the system checks whether the received CLI matches speed dial data. If they match, the speed dial name displays.
ISDN CLI STA	Max 4 digits	Logical STA No.	If outgoing CLI is active and CLI type is EXT, this field used when make outgoing CLI.
Progress Indication	ON/OFF	OFF	If this field is set to ON and an SLT seizes an ISDN line, the progress indication IE that indicates the originator is non-ISDN device is made in the SETUP message.
ISDN CLIR	ON/OFF	OFF	If this field is set to ON, does not send CLI Information and restrict PX send it
ISDN COLR	ON/OFF	OFF	If this field is set to ON, does not send CLI Information and restrict PX send it
DID Restriction	ON/OFF	OFF	Restrict the DID Call
DID Call Wait	ON/OFF	OFF	New DID Call waiting indicator
CLI Type	0-1	0	1: Long: Use station CLI with PGM114-BTN19. (max 12) 0: Short: Use station CLI with PGM114-BTN12 (max 4)
Long Station CLI	Max 12 Digits	Logical STA No.	If outgoing CLI is active and CLI type is EXT, this field used when making outgoing CLI
MSN Wait	ON/OFF	OFF	New virtual MSN call waiting enable
Long CLI 1	Max 16 Digits	Long CLI 1	
Long CLI 2	Max 16 Digits	Long CLI 2	
CC Blocking	ON/OFF	ON	

Flex Buttons Assignment (PGM 115)

This feature is to enable programming flexible buttons and the copy feature (PGM 125).

Button	Type	Value
1	CO Line	1
2	CO Line	2
3	CO Line	3
4	CO Line	4
5	CO Line	5
6	CO Line	6
7	CO Line	7
8	CO Line	8
9	CO Line	9
10	CO Line	10
11	CO Line	11
12	LOOP	
13	Empty	
14	Empty	
15	Empty	
16	Empty	

Information for Flex Button Assignment			
NO.	TYPE	RANGE	REMARK
1	User Button	--	User can program by button programming procedure.
2	{ CO xx } Button	01-12	CO Line
3	{ CO Grp xx }	01-24	CO Group
4	{ LOOP }	Loop Button	--
5	{ STA xxxx }	100-131	Station Number
6	STA PGM Button	11-99	--
7	{ STA SPD xx }	00-99	Station Speed Bin

Information for Flex Button Assignment			
NO.	TYPE	RANGE	REMARK
8	{SYS SPD xxxx}	2000-2499	System Speed Bin
9	Num Plan Button	Num Plan Code	--
10	Net DSS Button	Net DSS number checked by MPB	When using the Networking feature
11	Reserved	--	--

Station COS (PGM 116)

You can change COS (Class of Service) for each station. There are seven Classes of Service. All station COS for day and night operation is COS1 by default.

For a particular call, the CO COS is combined with station COS to determine the appropriate restriction. Each station must be assigned a class of service which governs the station's toll restriction for the day and night operation. The weekend COS is same as the night COS.

Station COS Assign...

Refresh Update Close

COS Assignment (PGM116)

ID	Day COS	Night COS
100	1	1
101	1	1
102	1	1
103	1	1
104	1	1
105	1	1
106	1	1
107	1	1
108	1	1
109	1	1
110	1	1
111	1	1
112	1	1
113	1	1
114	1	1
115	1	1

Update Tool

Start End Day Night

Range Update

CO Group Access Station (PGM 117)

You can divide the CO lines by group, and give a station an access to a specified CO line group. All stations can access any CO line as default.

ID/GRP	1	2	3	4	5	6	7	8
100	V							
101	V							
102	V							
103	V							
104	V							
105	V							
106	V							
107	V							
108	V							
109	V							
110	V							
111	V							
112	V							
113	V							

Internal Page Zone Access (PGM 118)

Each station can be assigned to an internal paging zone. You can assign a station to a number of zones or to no zone at all. If a station is not in any internal zone, it will not receive any page announcements. The SBX IP 320 supports 5 internal page zones.

Conference Page Zone (PGM 119)

Each station can be assigned to a conference paging zone. You can assign a station in a number of zones or no zone at all. The SBX IP 320 system supports 5 conference paging zones.

ICM Tenancy Group (PGM 120)

You may assign a station to an ICM Tenancy Group, and restrict ICM Tenancy Groups from calling each other. Each ICM Tenancy Group can be assigned to a different attendant. The SBX IP 320 system supports 5 ICM Tenancy Groups.

- 1. Enter an attendant station number for the ICM Tenancy Group you have just selected.
- 2. Click each ICM group check box that you want to access.
- 3. After all changes press the [Update] button to save changes.

ICM Tenancy Group

Refresh Update Close

ICM Tenancy Group (PGM120)

Group	ATD Station	Access Group (1 ~ 15)														
Grp	Station	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1		V														
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																

Preset Call Forward (PGM 121)

If a station doesn't respond to an outside call for a certain period of time, the call may be forwarded to another station.

Operation

- Programmed preset call forward pair will be displayed.
- If there is no pair data, the window will not display anything.

ID	Value
100	
101	
102	
103	
104	
105	
106	
107	
108	
109	
110	
111	
112	
113	
114	
115	

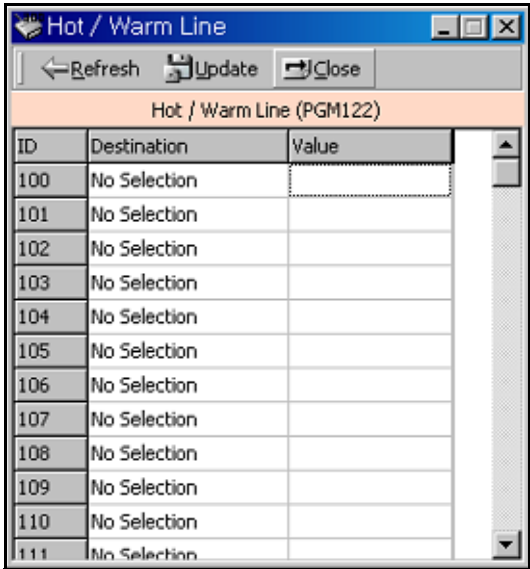
Hot/Warm Line Selection (PGM 122)

This feature lets a station perform a pre-assigned feature as soon as lifting handset or pressing the [ON/OFF] button as if a station selects the feature (Hot Line). On the other hand, Idle Line Selection for a station which is assigned to a warm line, is activated when no action takes place for the length of time established for the Warm Line Timer after lifting handset or pressing the [ON/OFF] button (Warm Line). Warm line is programmable at PGM 113.

All stations are not assigned any Idle Line Selection by default.

Operation

- You will see the list of Hot/Warm line programming. If there is no data, the table will display nothing.

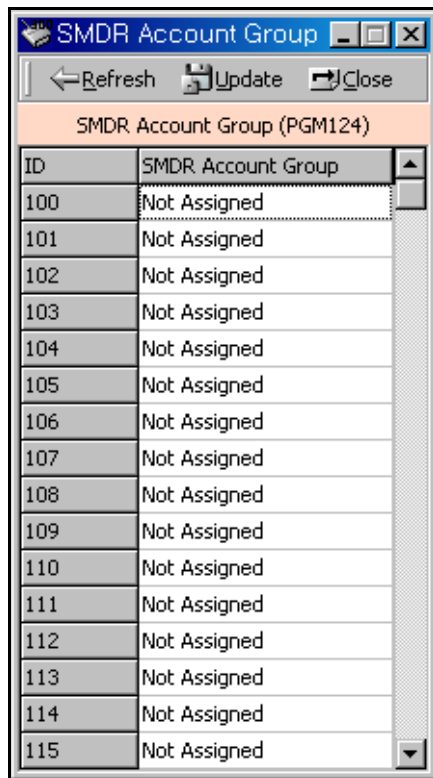


Information for Hot/Warn Line Selection		
ITEM	RANGE	REMARK
Flex Btn	01-48	To activate a feature on a flex button as if pressed
CO Line	01-12	To seize a CO Line
CO Group	01-24	To seize a CO Line Group
Station	100-131	To call another station

SMDR Account Group (PGM 124)

Stations can be assigned as a member of a call account group on SMDR. A station belongs to only one call account group. The system supports 99 SMDR Account Groups.

All stations are not assigned as a member of any Call Account Group by default



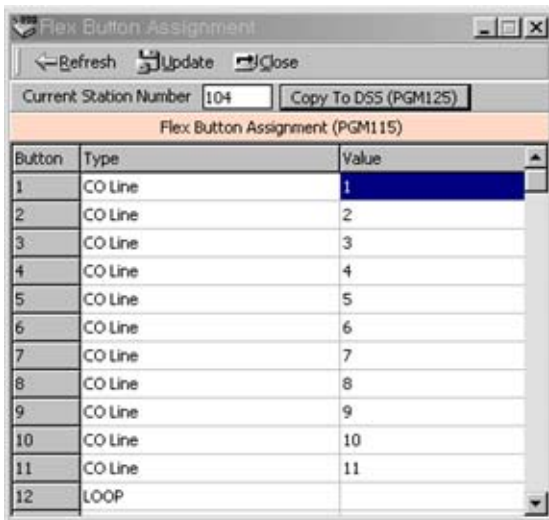
ID	SMDR Account Group
100	Not Assigned
101	Not Assigned
102	Not Assigned
103	Not Assigned
104	Not Assigned
105	Not Assigned
106	Not Assigned
107	Not Assigned
108	Not Assigned
109	Not Assigned
110	Not Assigned
111	Not Assigned
112	Not Assigned
113	Not Assigned
114	Not Assigned
115	Not Assigned

Copy DSS Button (PGM 125)

The assigned DSS button of a DKTU can be copied to another station or ICM group. This does not apply to DSS BOX / Doorbox


Operation

1. Click the [Copy DSS Button].
2. Enter the station number and select the type of destination. You can select two types of destinations. One is station and the other is ICM Group.
3. Press the [Update] button to save the data.



The screenshot shows the 'Flex Button Assignment' window with a table of button assignments. The table has three columns: Button, Type, and Value. The 'Current Station Number' is 104, and the 'Copy To DSS (PGM125)' button is visible.

Button	Type	Value
1	CO Line	1
2	CO Line	2
3	CO Line	3
4	CO Line	4
5	CO Line	5
6	CO Line	6
7	CO Line	7
8	CO Line	8
9	CO Line	9
10	CO Line	10
11	CO Line	11
12	LOOP	



The screenshot shows the 'Copy DSS Button' window. It has a 'From Station' field with the value 104. Below it, there are two radio buttons: 'To Station' (selected) and 'To ICM Group'. To the right, there is a 'Destination Number' field.

Station IP List for CTI (PGM126)

The SBX IP 320 does not support CTIU for a CTI link. Instead of CTIU, you can make a CTI connection with a LAN connection. To use this feature, you must enter the IP address of the PC's that you want to use with CTI. For example, if you use station 100 and your IP address is 10.0.0.5, then you should enter this table with station 100 and IP address of 10.0.0.5.

You can enter this mapped table up to the max station numbers of the SBX IP 320. The limitation is dependent on the lock key that is installed on SBX IP 320 system.

Display Station with COS (PGM 130)

This feature is linked to Station COS PGM 116.

Hot Desk Attribute (PGM 250)

PGM 250 is used to configure the Hot desk feature.

CO Line Base Program

Use this CO Line Base Program to change CO Line features. The program number is from PGM140 to PGM144.

CO Related Admin (PGM 140/141/142/143/146/147)

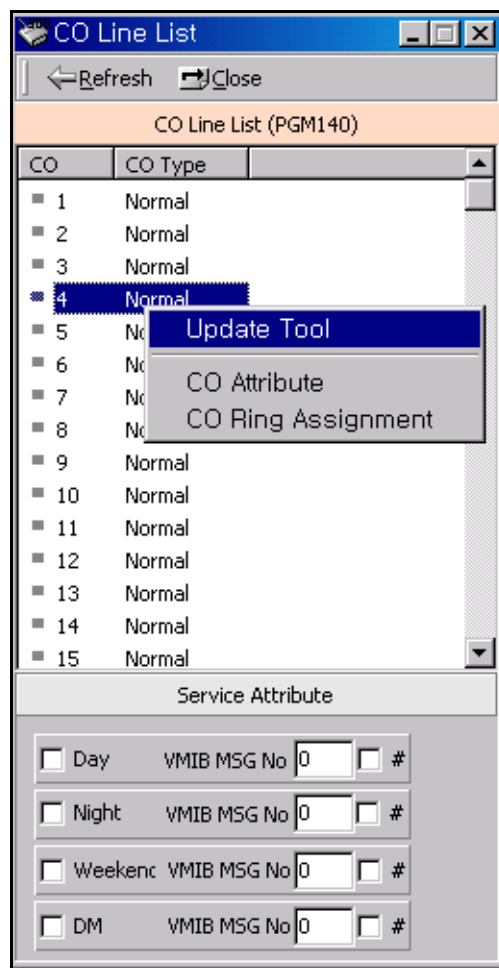
This PC Admin links various features that are related to each other. So, you can move to another programming with a popup menu.

Operation1

You will see the adjacent window that displays CO line basic information (PGM140).

With this window, you can select a linked menu by selecting popup menu

The following case is the window when you select the CO Attribute menu item in the popup menu.



CO Attributes

Refresh Update Close

Current CO Number : CO Attribute (PGM141/142/143/146)

Attribute - 1 | Attribute - ISDN - 1 | Attribute - ISDN - 2 |

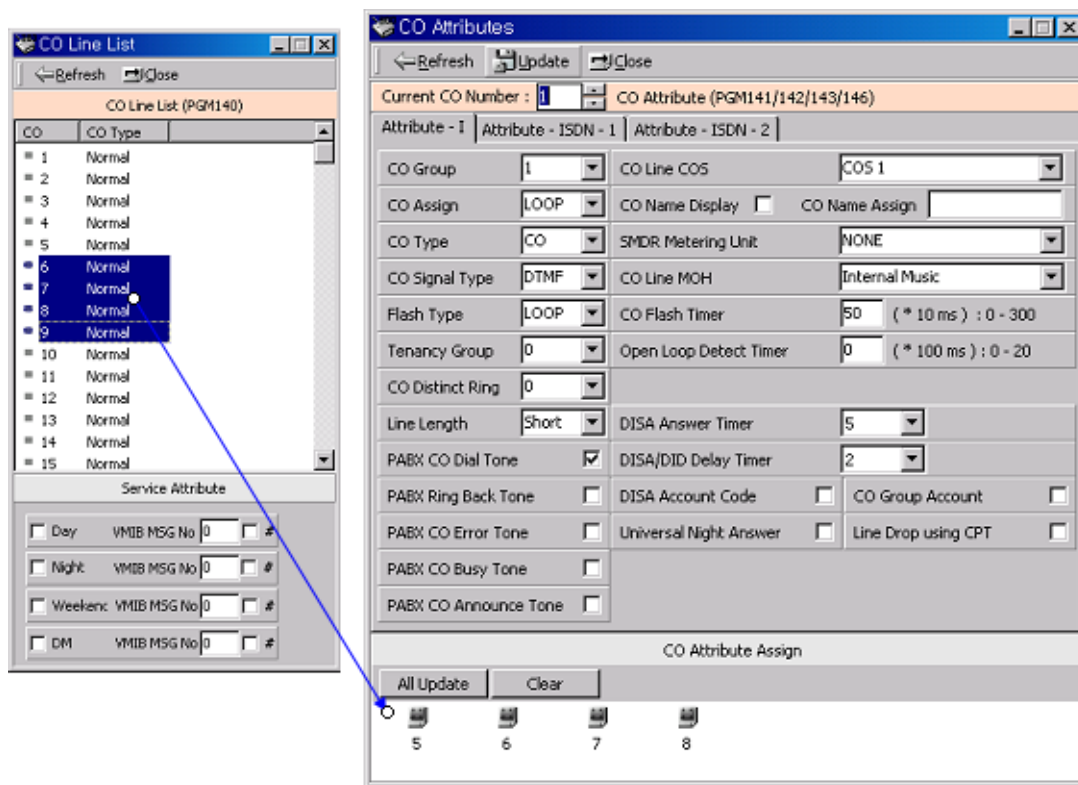
CO Group	<input type="text" value="1"/>	CO Line COS	<input type="text" value="COS 1"/>
CO Assign	<input type="text" value="LOOP"/>	CO Name Display <input type="checkbox"/>	CO Name Assign <input type="text"/>
CO Type	<input type="text" value="CO"/>	SMDR Metering Unit	<input type="text" value="NONE"/>
CO Signal Type	<input type="text" value="DTMF"/>	CO Line MOH	<input type="text" value="Internal Music"/>
Flash Type	<input type="text" value="LOOP"/>	CO Flash Timer	<input type="text" value="50"/> (* 10 ms) : 0 - 300
Tenancy Group	<input type="text" value="0"/>	Open Loop Detect Timer	<input type="text" value="0"/> (* 100 ms) : 0 - 20
CO Distinct Ring	<input type="text" value="0"/>		
Line Length	<input type="text" value="Short"/>	DISA Answer Timer	<input type="text" value="5"/>
PABX CO Dial Tone	<input checked="" type="checkbox"/>	DISA/DID Delay Timer	<input type="text" value="2"/>
PABX Ring Back Tone	<input type="checkbox"/>	DISA Account Code <input type="checkbox"/>	CO Group Account <input type="checkbox"/>
PABX CO Error Tone	<input type="checkbox"/>	Universal Night Answer <input type="checkbox"/>	Line Drop using CPT <input type="checkbox"/>
PABX CO Busy Tone	<input type="checkbox"/>		
PABX CO Announce Tone	<input type="checkbox"/>		

CO Attribute Assign

All Update Clear

Operation2 - Several CO Attributes update

1. Change the admin field(s) you want in the CO Attributes window.
2. Drag and Drop several CO in CO List (PGM140) to the CO Attributes Assignment area.
3. Press the "Update All" button to update. If you want another CO line, press the "Clear" button.



CO Service Type (PGM140)	
ITEM	REMARK
Normal CO	All lines are assigned as normal CO lines by default. Each CO line in the system can be programmed as a DISA (Direct Inward System Access) line and the DISA types are as follows: - Flex BTN 1 (Day) / 2 (Night) / 3 (Weekend) / 4 (On Demand) - Each DISA type (BTN 1-3) has sub-attributes F1: DISA Service On/Off. F2: VMIB Message No.(Voice announcement(VMIB Message) can be assigned (00-70) and it is not assigned (00) as default
Reserved	--
ISDN DID/MSN	
Reserved	--
DCO DID	DCO DID Line (This type will be valid in a few countries. For example, Korea)

CO Line Attributes I (PGM141)			
ITEM	RANGE	DEFAULT	REMARK
CO Line Group	00-25	01	Groups should be assigned according to CO type and Class-Of-Service.
CO COS	1-5	1	-CO COS 1: no restriction -CO COS 2: Exception Table A governs -CO COS 3: Exception Table B governs -CO COS 4: restricts Long Distance Code -CO COS 5: overrides STA. COS 2,3,4 and 5, 6.
DISA Account Code	ON/OFF	ON	When accessing another CO line in the system by DISA line, you should enter authorization code if this flag is set.
CO Line Assign	POL/LOOP	LOOP	Polarity Reverse, Loop Start
CO Line Type	PBX/CO	CO	When marked PBX, a 1 or 2 digit dial code may be entered, after which toll restriction is applied.
CO Line Signal Type	DTMF/PULSE	DTMF	--
Flash Type	GROUND/LOOP	LOOP	--
UNA	ON/OFF	OFF	The allowance of Universal Night Answer service
CO Line Group Account	ON/OFF	OFF	--
CO Tenancy Group	0-5	5	Tenancy Group of CO line.

CO Line Attributes II (PGM142)			
ITEM	RANGE	DEFAULT	REMARK
CO Line Name Display	ON/OFF	OFF	If CO Line name is assigned at BTN2, and this field is ON, CO name is displayed for CO incoming calls
CO Line Name Assign	Max 12 characters	--	--
Metering Unit	00-06	00	There are 7 metering signal types: - 0: None - 1: 50 Hz - 2: 12 KHz - 3: 16 KHz - 4: Singular Polarity Reverse (SPR) - 5: Plural Polarity Reverse (PPR) - 6: No Polarity Reverse (NPR)
Line Drop Using CPT	ON/OFF	OFF	If this field set to ON, CPT checks the incoming CO line when answered and if CPT detects dial tone, then the system drops the line for toll restriction.
CO Distinct Ring	0-4	0	The CO can have a specific ring signal to stations in the system through this field's setting. This ring type can be programmed at PGM422.
CO Line MOH	0-9	1	0: Not assigned by this field. 1: Internal Music 2: External Music 3: Reserved 4-8: SLT MOH 9: HOLD Tone
PABX CO Dial Tone	YES/NO	YES	YES: PX or PABX provides dial tone. NO: PX or PABX does not provide dial tone. System provides dial tone

CO Line Attributes II (PGM142)			
ITEM	RANGE	DEFAULT	REMARK
PABX CO Ring Back Tone	YES/NO	NO	If R2 PX which does not give us tone for called party status exists, then the system provides tone according to cause value (This field is only when Cause means that Ring back is provided by PX.). YES: PX, NO: System
PABX CO Error Tone	YES/NO	NO	If R2 PX which does not give us tone for called party status exists, then the system provides tone according to cause value (This field is only when Cause means that error tone is provided by PX.). YES: PX, NO: System
PABX CO Busy Tone	YES/NO	NO	If R2 PX which does not give us tone for called party status exists, then the system provides tone according to cause value (This field is only when Cause means that busy tone is provided by PX.). YES: PX, NO: System
PABX CO Announce Tone	YES/NO	NO	If R2 PX which does not give us tone for called party status exists, then the system provides tone according to cause value (This field is only when Cause means that announcement is provided by PX, but the system provides only error tone.). YES: PX, NO: System
CO Flash Timer	000-300	005	10 msec base
Open Loop Detect Timer	00-20	00	100 msec base
Line Length	SHORT/ LONG	SHORT	Line Length of CO (TELKOM only)
DISA Answer Timer	1-9	2	--
DISA/DID Delay Timer	1-9	1	--

CO Line Attributes II (PGM142)			
ITEM	RANGE	DEFAULT	REMARK
Reserved	--	--	--
Busy/Error CPT	ON/OFF	OFF	

ISDN CO Line Attributes (PGM143)			
ITEM	RANGE	DEFAULT	REMARK
COLP Table Index	00-50	Not Assigned	To make called party number with assigned COLP Table entry. (PGM 201) 00-49: PGM 201 Bin No. / 50: PGM 11-BTN 5
CLIP Table Index	00-50	Not Assigned	To make calling party number with assigned CLIP Table entry. (PGM 201) 00-49: PGM 201 Bin No. / 50: PGM 11-BTN 5
Call Type	0-4	2	0: Unknown 1: International 2: National 3: Not used 4: Subscriber
DID Conv Type	0-2	0	0: convert digits by DID Dgt Conversion (PGM230) 1: call to the valid extension. 2: convert digits by Flex DID Table (PGM231)
DID Remove No.	00-99	00 = Not Assigned	Remove received digits from the left of the assigned #
ISDN Enblock Send	ON/OFF	OFF	ON: Enblock Sending Mode OFF: Overlap Sending Mode
CLI Transit	ORI/CFW	CFW	1: ORI : Send CLI as the originating caller's CLI. 2: CFW : Send CLI as the call forwarded station's CLI.
Numbering Plan ID	0-7	0	F1 : Calling NPI / F2 : Called NPI

ISDN CO Line Attributes (PGM143)			
ITEM	RANGE	DEFAULT	REMARK
ISDN Call Deflection	ENABLE/ DISABLE	DISABLE	ISDN call deflection service usage. Norway only.
ISDN DGT RM	ON/OFF	OFF	
ISDN CP Inband	ON/OFF	OFF	
CLI Type	0-2	0	0: Normal 1: Long CLI 1 (PGM 114-F21) 2: Long CLI 2 (PGM 114-F22)
Reserved	--	--	--
Screening	0-3	0	0: User Provided, No S 1: User Provided, Pass 2: User Provided, Fail 3: Network Provided

CO Line Attributes III (PGM146)			
ITEM	RANGE	DEFAULT	REMARK
Incoming Prefix Code Insertion	ON/OFF	OFF	If this value is set to ON, a prefix code will be attached in front of incoming CLI.
Outgoing Prefix Code Insertion	ON/OFF	ON	If this value is set to ON, a prefix code will be attached in front of outgoing CLI.
ISDN Line Type	u-Law/A-Law	A-Law	This value is used to set the ISDN CODEC Type.
Calling Sub-Address	ON/OFF	OFF	If this value is set to ON, the calling party sub-address of the ISDN station is attached when an ISDN station makes an outgoing CO Call through this CO Line.
DID DGT Receive Number	2-4	3	This value is used as count of the received DID Digit number to route DID incoming Call.
DID Digit Mask	4 digits	****	When the DID Conversion Type (PGM 143 - FLEX 4) is set to 0, the received DID digits are converted by this value. The digits 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".
R2 Collect Call	0: Disable 1: Double Answer 2: With Indicator	Disable	If this feature is set to ON (1,2), R2 collect call is served
Collect Call Answer Timer	001-250	010	This feature is used when R2 call is answered (Brazil only)
Collect Call Idle Timer	001-250	010	This feature is used when R2 call is answered (Brazil only)

CO Ring Assignment (PGM 144)

Each station can be assigned to receive a CO ring for only a certain period of time such as day, night, weekend and On-demand.

CO Ring Assignment

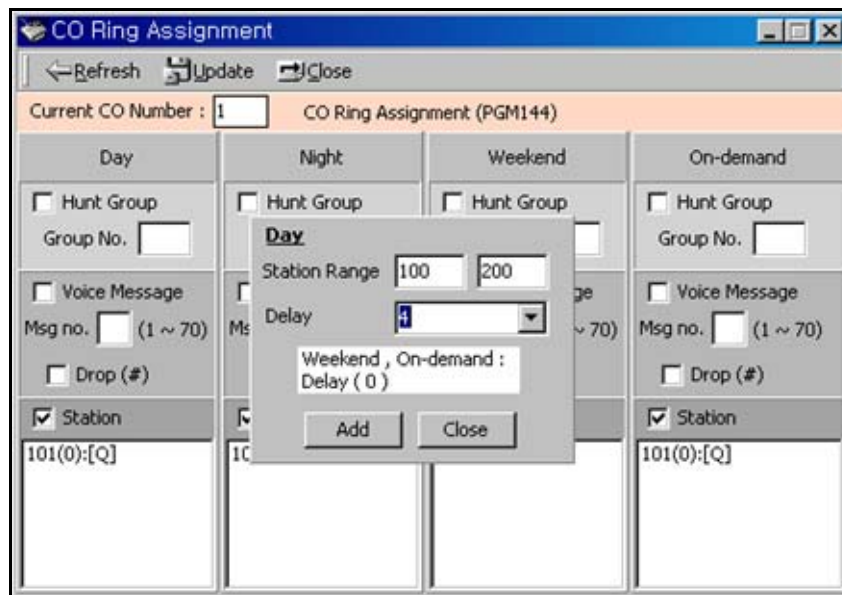
Refresh Update Close

Current CO Number : 1 CO Ring Assignment (PGM144) Range Update

Day	Night	Weekend	On-demand
<input type="checkbox"/> Hunt Group Group No. <input type="text"/>	<input type="checkbox"/> Hunt Group Group No. <input type="text"/>	<input type="checkbox"/> Hunt Group Group No. <input type="text"/>	<input type="checkbox"/> Hunt Group Group No. <input type="text"/>
<input type="checkbox"/> Voice Message Msg no. <input type="text"/> (1 ~ 70)	<input type="checkbox"/> Voice Message Msg no. <input type="text"/> (1 ~ 70)	<input type="checkbox"/> Voice Message Msg no. <input type="text"/> (1 ~ 70)	<input type="checkbox"/> Voice Message Msg no. <input type="text"/> (1 ~ 70)
<input type="checkbox"/> Drop (#)	<input type="checkbox"/> Drop (#)	<input type="checkbox"/> Drop (#)	<input type="checkbox"/> Drop (#)
<input checked="" type="checkbox"/> Station 100(0):[Q] 101(0):[Q] 102(0):[Q] 103(0):[Q] 104(0):[Q] 105(0):[Q]	<input checked="" type="checkbox"/> Station	<input checked="" type="checkbox"/> Station	<input checked="" type="checkbox"/> Station

Operation

1. Select the popup menu you want among the modes of Day, Night, Weekend, and On-demand.
2. Update CO Ring assignment by using "Station Assign" in the popup menu.



3. You can see the setting window and assign the station range and delay.

System Base Program

Use the System Base Program to change any system features.

System Attributes (PGM 160/161/163)

This area of programming changes system attributes.

Operation

1. The System Attribute 1 window will display and you can select the Attribute II or Attribute Alarm by clicking the appropriate tab. Then you can view the current setting and update each field.
2. Refer to the following tables and change the values as desired.
3. After editing, press the [Update] button to save the changes.

System Attributes I (PGM160)			
ITEM	RANGE	DEFAULT	REMARK
Attendant Call Queuing Ringback Tone	RBT/MOH	MOH	MOH: The station will present ring back tone when calling busy attendant station. RBT: The station will present MOH, hold tone, or DVU-MOH by system database (PGM 171 - BTN 2)
Camp-on RBT/MOH	RBT/MOH	MOH	MOH is heard in camp-on or Ringback tone is heard in camp-on.
CO Line Choice	LAST/ ROUND	LAST	The method of a CO line seizing on CO Line Groups access
DISA Retry Counter	0-9	3	When the DISA user fails to call Station or access a feature, then the DISA user can retry another call or feature within the limit of the retry counter. If the DISA user cannot access appropriately within this counter, the system disconnects the DISA Line automatically.
ICM Continuous Dial Tone	CONT/ DISCONT	CONT	This field sets whether ICM dial tone is continuous or not.

System Attributes I (PGM160)			
ITEM	RANGE	DEFAULT	REMARK
CO Dial Tone Detect	ON/OFF	OFF	When the speed dial is activated, system detects dial tone using CPT instead of pause timer.
External Night Ring	ON/OFF	OFF	When CO lines are marked to UNA, ringing will be sent to LBC1 when an incoming call occurs on those lines during night service.
Hold Preference	SYS/EXEC	SYS	System hold or exclusive hold
Multi-line Conference	ON/OFF	ON	The system allows a conference with multi-CO lines.
Print LCR Conv Dgt	ON/OFF	ON	Print dialed digits or LCR conversed digits in LCD
Conference Warning Tone	ON/OFF	ON	When entering a conference, members will receive a warning tone
Off-net Prompt Usage	ON/OFF	ON	In case of Off-net call forward, Off-net prompt will be heard (It only applies to CO-to-CO Transfer).
Off-net DTMF Tone	ON/OFF	ON	In case of Offnet call forward, DTMF Tone will be heard (It only applies to CO-to-CO Transfer).
CO Voice Path Connect	IMM/DGT	DGT	Option to connect voice path after seizing CO line. Immediately. (CIS and Korea only)
Transfer Tone	RBT/MOH	RBT	Option to provide ring-back tone or MOH during transferring CO line.
CO to CO Xfer CPT Detect	ON/OFF	OFF	--
ACD Package Usage	ON/OFF	OFF	If this value is set to ON, ACD Information is printable.
CO to CO UC Timer Extend	ON/OFF	OFF	If this value is set to ON, the conference call user can extend the Unsupervised Conference Timer by dialing the UC TIMER EXTEND Code.

System Attributes I (PGM160)			
ITEM	RANGE	DEFAULT	REMARK
Call Log List Number	15-50	15	Number of call log entries
Reserved	--	--	--

System Attributes II (PGM161)			
ITEM	RANGE	DEFAULT	REMARK
Network Time/Date Setting <i>PX Time / Day / Month</i>	ON/OFF	OFF	If this field is ON, the system time/date are set by the network time/date.
Off-Hook Ring Type	MUTE/BURST	MUTE	The system off-hook ring type can be programmed to mute or one burst ring.
Override 1st CO Group	ON/OFF	ON	If this field is set to ON and if there is no available CO line in the 1st CO group, the system accesses the next accessible CO group.
Page Warning Tone	ON/OFF	ON	If desired, the page warning tone can be suppressed.
Auto Privacy	ON/OFF	ON	The system can be programmed to override a CO line call to gain access to the conversation. If privacy is disabled, a station privileged to override in PGM 113 - Btn 4 joins an existing call in progress.
Privacy Warning Tone	ON/OFF	ON	If desired, the privacy warning tone can be suppressed.
Single Ring for CO Call	YES/NO	NO	Changes a cadence of ICM or incoming CO ring. In case of NO, ICM: 1sec on/ 4sec off CO: 0.4s on/ 0.2s off/ 0.4s on/ 4sec off In case of YES, the cadence is the reverse.
Reserved	--	--	--

System Attributes II (PGM161)			
ITEM	RANGE	DEFAULT	REMARK
ACD Print Enable	ON (10s unit)/OFF	OFF	Enable or disable ACD Print features
ACD Print Timer	001-255	001	Determines the amount of time between repeated ACD database prints. Zero means no print out (10 sec base).
Clear ACD Database after Print	ON/OFF	OFF	Determines if ACD database initializes after print-out.
VMIB Prompt Gain	00-31	08	To control prompt gain level
VM with CLI Info	ON/OFF	OFF	If the setting is ON, CLI is added when Voice Mail information is printed through RS232 port by SMDI.
ACD Print Timer Unit	1: HOUR 0: SEC	SEC	Determines the unit of ACD Print timer of Flex Btn 10 (1 hour or 10 seconds)
Set VM SMDI Type	TYPE II/ TYPE I	TYPE I	Set VM SMDI type.
Incoming Toll Check	ON/OFF	OFF	Enable or disable the toll check for incoming calls
No DSS Indication	ENABLE/ DISABLE	DISABLE	Enable or disable the LED of the CO button while ringing for incoming, transfer and recalling. It is not applied for direct ringing such as DID/DISA.
UK Billing Mode	ON/OFF	OFF	If this value is set to ON, UK Billing Mode is applied (UK only).
COS 7 When Auth Fail	ON/OFF	ON	If authorization is failed with PGM 227, COS will be COS 7 or not with this setting.
Auto Fax Transfer CO	01-36		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 BKSU) when tone is detected within programmed time.

System Attributes II (PGM161)			
ITEM	RANGE	DEFAULT	REMARK
5 Dgt Auth Code Usage	ON/OFF	OFF	
LCR Dial Tone Detect	ON/OFF	OFF	If this value is set to ON, the SBX IP 320 system first checks if the CO provides dial tone in case an analog CO line is seized for LCR dialing. If there is no dial tone, the call is rerouted to the Alternate DMT index. If the LCR type is set to M13, the LCR dial tone detect option is not applied.


System Attributes III (PGM163)			
ITEM	RANGE	DEFAULT	REMARK
Alarm Enable	ON/OFF	OFF	--
Alarm Contact Type	CLOSE/OPEN	CLOSE	--
Alarm Mode	ALARM/ BELL	ALARM	--
Alarm Signal Mode	RPT/ONCE	RPT	--

Admin Password (PGM 162)

An Admin password is not assigned by default.

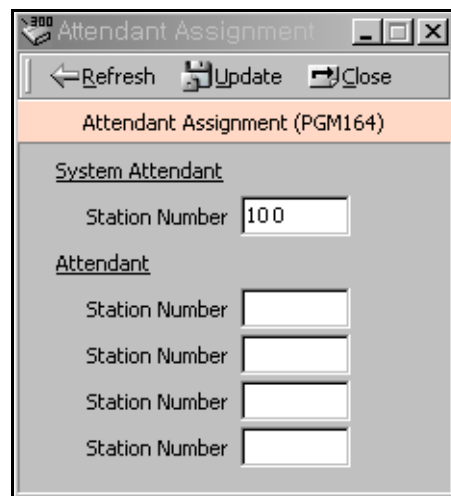
Operation

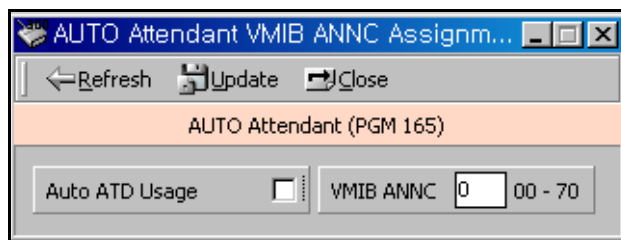
Enter 4 digits for the Admin Password.

A screenshot of the 'Admin Password' dialog box. The title bar is blue with the text 'Admin Password' and standard window controls. Below the title bar is a toolbar with three buttons: 'Refresh' (left arrow), 'Update' (floppy disk), and 'Close' (X). The main area has an orange header with the text 'Admin Password(PGM162)'. Below this is a label 'Admin Password' followed by a text input field.

Attendant Assignment (PGM 164)

A maximum of 5 Attendants can be assigned. This includes the Main Attendants and System Attendant. The System Attendant is different than a Main Attendant in respect to call handling and system management priority. The System Attendant has more priority than a Main Attendant. By default, the System Attendant is assigned Station 100, and Main Attendants are not assigned.

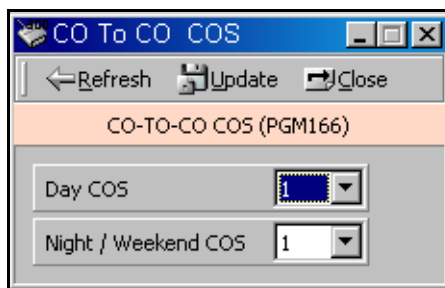
A screenshot of the 'Attendant Assignment' dialog box. The title bar is grey with the text 'Attendant Assignment' and standard window controls. Below the title bar is a toolbar with three buttons: 'Refresh' (left arrow), 'Update' (floppy disk), and 'Close' (X). The main area has an orange header with the text 'Attendant Assignment (PGM164)'. Below this is a section titled 'System Attendant' with a label 'Station Number' and a text input field containing '100'. Below this is a section titled 'Attendant' with four labels 'Station Number' and four corresponding text input fields.

Auto Attendant VMIB Annc Assignment (PGM165)

The screenshot shows a window titled "AUTO Attendant VMIB ANNC Assignm...". It has a toolbar with "Refresh", "Update", and "Close" buttons. Below the toolbar is a header bar labeled "AUTO Attendant (PGM 165)". The main area contains two controls: "Auto ATD Usage" with an unchecked checkbox, and "VMIB ANNC" with a numeric input field showing "0" and a range indicator "00 - 70".

CO-to-CO COS (PGM 166)

When a user of a DID/DISA/TIE line accesses another CO line, CO-to-CO COS is applied. The attributes of CO-to-CO COS are the same as the station COS.



The screenshot shows a window titled "CO To CO COS". It has a toolbar with "Refresh", "Update", and "Close" buttons. Below the toolbar is a header bar labeled "CO-TO-CO COS (PGM166)". The main area contains two controls: "Day COS" with a dropdown menu showing a blue icon, and "Night / Weekend COS" with a dropdown menu showing the value "1".

DID/DISA Destination (PGM 167)

A station can be programmed to forward a DID call to the Attendant if the station is busy. Vacant or invalid calls are sent to the Main Attendant, or a busy tone is presented depending on admin programming.

Operation

- Error Destination (When a wrong number is pressed)
 - TONE : A tone will be heard.
 - ATD : Call will be forwarded to the attendant.
 - Station Group : Call will be forwarded to a station group.
- Busy Destination (When a station is busy)
 - TONE : A tone will be heard.
 - ATD : Call will be forwarded to the attendant.
 - Station Group : Call will be forwarded to a station group.
- No Answer Destination (When there is no answer), input a station group to be forwarded.
 - TONE : A tone will be heard.
 - ATD : Call will be forwarded to the attendant.
 - Station Group : Call will be forwarded to a station group.
- Reroute Busy/Error/NO Answer, input a station group to be forwarded.
 - TONE : A tone will be heard.
 - ATD : Call will be forwarded to the attendant.
 - Station Group : Call will be forwarded to a station group.

The screenshot shows a window titled "DID / DISA Destination" with a standard Windows-style title bar. Below the title bar is a toolbar with three buttons: "Refresh", "Update", and "Close". The main content area has a header "DID / DISA Destination (PGM167)".

On the left side, there are six rows of configuration fields, each with a label, a dropdown menu, and a text input box:

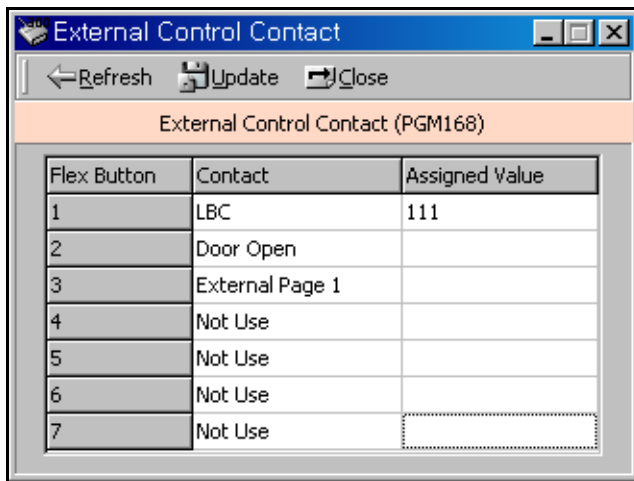
- Busy:** The dropdown menu is set to "Attendant (Ring Assign)".
- Error:** The dropdown menu is set to "Attendant (Ring Assign)".
- No Answer:** The dropdown menu is set to "Attendant (Ring Assign)".
- Reroute Busy:** The dropdown menu is set to "Tone".
- Reroute Error:** The dropdown menu is set to "Tone".
- Reroute No Answer:** The dropdown menu is set to "Tone".

On the right side, there is a section titled "VMIB PROMPT USAGE" containing five checkboxes, all of which are checked:

- Busy Prompt Usage ☒
- Error Prompt Usage ☒
- DND Prompt Usage ☒
- No Answer Prompt Usage ☒
- ATD Xfer Prompt Usage ☒

External Control Contact (PGM 168)

Loud Bell Control, Door Open, External Device Control can be set to use an external control contact. The contact feature ranges from 1 to 4 contacts. A default value is not assigned.



Flex Button	Contact	Assigned Value
1	LBC	111
2	Door Open	
3	External Page 1	
4	Not Use	
5	Not Use	
6	Not Use	
7	Not Use	

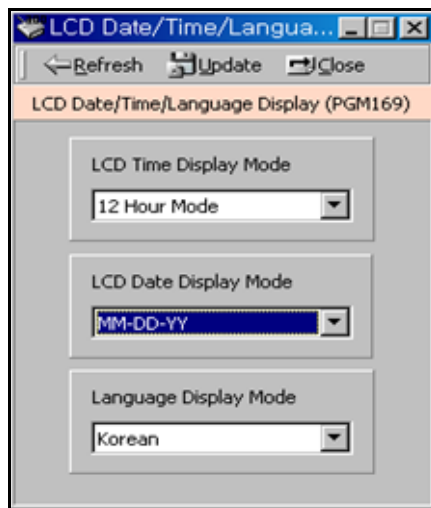
1. Select one of the control contacts.
2. For Loud Bell Control, indicate a station to be assigned.

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

You can set a different time/date/language for the LCD screen.

Operation

1. LCD Time Mode : 12 Hour Mode or 24 Hour Mode.
2. LCD Date Mode : MM-DD-YY or DD-MM-YY.
3. LCD Language : Select a language.

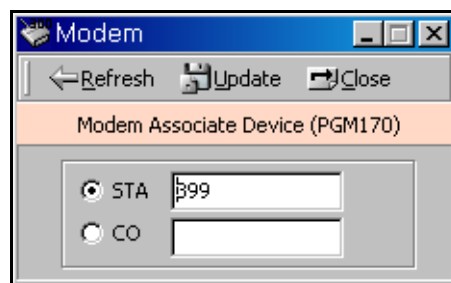


Modem (PGM 170)

PGM 170 allows you to specify which station or CO line is connected to the modem. The last station 131 is assigned as default. The CO line isn't assigned any default value.

Operation

The range for stations is 100-131 and CO Line range is 1-12.



Music (PGM 171)

You may assign BGM(Background Music), MOH(Music On Hold), and ICM Box / Doorbox Music Channel. MOH is the music a caller can hear while waiting for his call to be picked up again.

Music Assignment (PGM171)

Refresh Update Close

BGM Type
INT MUSIC

MOH Type
INT MUSIC

ICM Box Music Channel
INT MUSIC

Dial Tone Source
None

ICM Ring Back Tone Source
None

CO Ring Back Tone Source
None

Assign SLT MOH 1 - 5

SLT MOH 1 STA Number

SLT MOH 2 STA Number

SLT MOH 3 STA Number

SLT MOH 4 STA Number

SLT MOH 5 STA Number

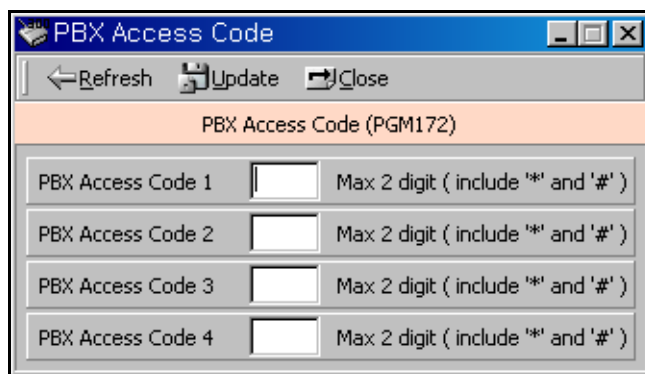
Operation

1. Click [Music].
2. Refer to the table below and set the values.

ITEM	RANGE	DEFAULT	REMARK
BGM Type	0-8	01	00: No BGN 01: Internal Music 02: External Music 03: Reserved 04: SLT 1 05: SLT 2 06: SLT 3 07: SLT 4 08: SLT 5
MOH Type	0-9	01	00: Not Assigned 01: Internal Music 02: External Music 03: Reserved 04: SLT 1 05: SLT 2 06: SLT 3 07: SLT 4 08: SLT 5 09: Hold Tone
ICM Box Music Channel	0-8	01	00: No BGN 01: Internal Music 02: External Music 03: Reserved 04: SLT 1 05: SLT 2 06: SLT 3 07: SLT 4 08: SLT 5
Assign SLT MOH	--	Flex 1-5 (+ SLT STA No.)	SLT MOH 1-5
Dial Tone Source	0-5	0 (N/A)	To assign external dial tone, set the SLT station number of the SLT port.
ICM Ring Back Tone	0-5	0 (N/A)	To assign external ICM tone, set the SLT station number of the SLT port.
DID CO Ring Back Tone	0-5	0 (N/A)	To assign external DID ring back tone, set the SLT station number of the SLT port.
Internal MOH Type	00-12	00 = Romance	00: Romance 01: Turkish March 02: Greensleeves 03: Fur Elise 04: Carmen 05: Waltz 06: Pavane 07: Siciliano 08: Sonata 09: Spring 10: Campanella 11: Badinerie 12: Blue Danube

PBX Access Code (PGM 172)

You can make an outside call through the station. A maximum of 4 PABX Access Codes are assignable. PABX Access Code is a 1- or 3-digit number. By default, PABX Access Codes are not assigned.



PBX Access Code (PGM172)		
PBX Access Code 1	<input type="text"/>	Max 2 digit (include '*' and '#')
PBX Access Code 2	<input type="text"/>	Max 2 digit (include '*' and '#')
PBX Access Code 3	<input type="text"/>	Max 2 digit (include '*' and '#')
PBX Access Code 4	<input type="text"/>	Max 2 digit (include '*' and '#')

PLA (Preferred Line Answer) Priority (PGM 173)

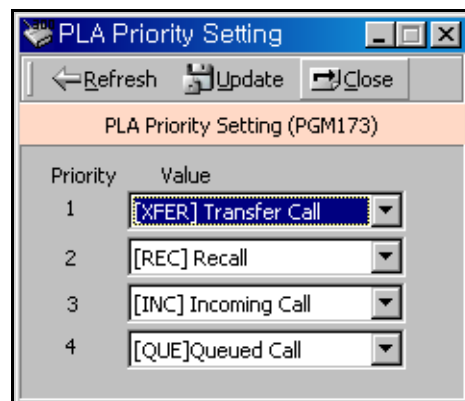
You can set up which order of priority calls are to be received.

Operation

Each item has the following meaning. Place them in priority order to receive each call by their priority.

- XFR : Transfer Call
- REC : Recall
- INC : Incoming Call
- QUE : Queued Call

You may not assign a duplicated number.



Priority	Value
1	[XFER] Transfer Call
2	[REC] Recall
3	[INC] Incoming Call
4	[QUE] Queued Call

RS-232C Port Setting (PGM 174)

You can set up RS-232C port configuration.

Note: If you use COM2 as MODU (MODEM interface), the maximum speed is limited to 9600bps.

Note: If you use COM1 for PC Admin, the maximum speed is limited to 19200bps.

Operation

Default values are shown below for each port.

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

Print Serial Port Selection (PGM 175)

You can change the usage of the print serial port. You can change the various input ports for applications.

Operation

Refer to the following table and change the values.

ITEM	RANGE	DEFAULT	REMARK
Off-line SMDR / Statistics Print	01-11	COM 1 (01)	01: COM1
Admin Print	01-11	COM 1 (01)	02: COM2 - MODU
Traffic	01-11	COM 1 (01)	03: TELNET 1
SMDI Print	01-11	COM 1 (01)	04: TELNET 2
Call Information	01-11	COM 1 (01)	05: TELNET 3
Info/On-line SMDR	01-11	COM 1 (01)	06: Reserved
Trace	01-11	COM 1 (01)	07: NET_PCADM
Debug	01-11	COM 1 (01)	08: NET_PCATD
PC Admin	01-11	Auto Select. Display Only	09: NET_CTI
PC Attendant	01-11	NET_PCATD (08)	10: NET_REMOTE
CTI	01-11	NET_CTI (09)	11: Not Supported
Remote Diagnostic	N/A	Not Supported	

Pulse Dial / Speed Ratio (PGM 176).

If the type of CO line is PULSE instead of DTMF, it decides pulse dial ratio

SMDR Attributes (PGM 177)

Station Message Detail Recording (SMDR) provides details on both incoming and outgoing calls. As an assignable database option, if Long Distance/All Call 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.

Operation

Refer to the following table and enter the desired values.

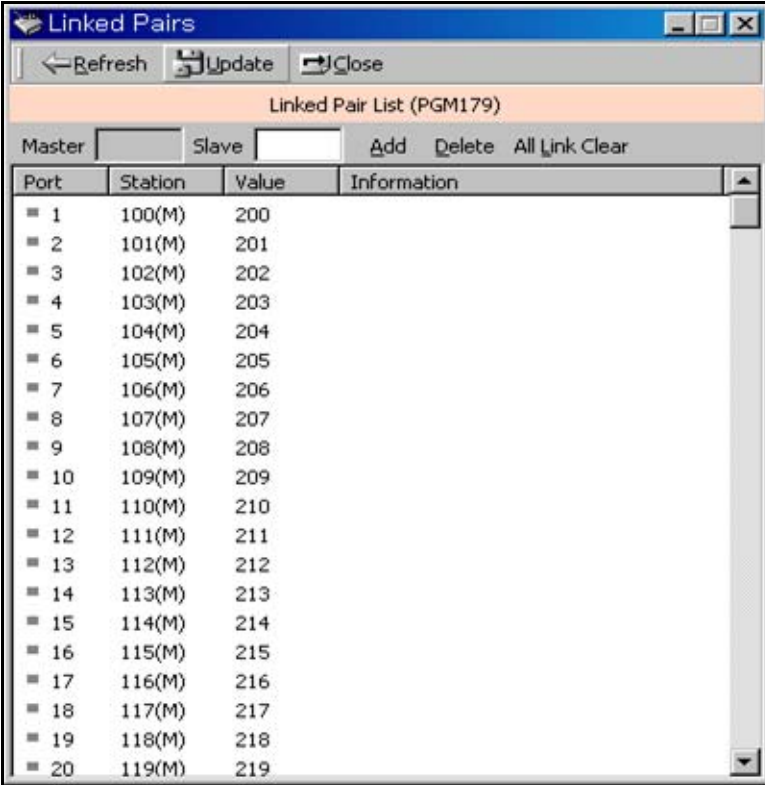
SMDR Attributes (PGM 177)			
ITEM	RANGE	DEFAULT	REMARK
SMDR Save Enable	ON/OFF	OFF	The system can be set to record either all outgoing calls (ALL) or only limit set by timer in Btn12 (SMDR Start Timer).
SMDR Print Enable	ON/OFF	OFF	The system can be set to real time print either all outgoing calls (ALL) or only limit set by timer in Btn12 (SMDR Start Timer)
Long Distance / All Call Recorded	LD/All Call	LD	The system can be set to record either all outgoing calls or only long distance calls, exceeding the time limit set by SMDR Start Tmr. The long distance calls are identified by SMDR long distance code programming (Btn 15).
SMDR Long Distance Call Digit Counter	07-15	07	If the SMDR digits are more than this value, the system considers it as a long distance call.
Print Incoming Call	ON/OFF	OFF	If this option (PIC) is set to ENABLE, all incoming calls are printed with either all outgoing calls or long distance calls.
Print Lost Call	ON/OFF	OFF	If this option (PLC) is set to ENABLE, all lost calls are printed whether unanswered or not.
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 become 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 detailed records in their entirety.
SMDR Dial Digit Hidden	0-9	0	According to this value, the '*' symbol will be hidden in the SMDR digits.
SMDR Currency Unit	3 Char	--	For easy identification of call cost, the currency unit can be input with 3 alphabetic characters to be printed in front of the call charge amount.
SMDR Cost Per Unit Pulse	6 digits	--	This is the call cost unit per cost metering pulse, which is sent from the Central Office.
SMDR Fraction	0-5	0	This value represents the decimal position point of the CO per unit pulse.
SMDR Start Timer	000-250	000	1 sec base
SMDR Hidden Digit	Right/Left	Right	Hide digits from right or left

SMDR Attributes (PGM 177)			
ITEM	RANGE	DEFAULT	REMARK
SMDR Long Distance Codes	Flex Btn 1-5	0	A maximum of 5 SMDR Long Distance codes are available. The SMDR Long Distance code is 1 or 2 digits number. By default, the SMDR Long Distance Code is 0.
MSN Print On SMDR	ON/OFF	OFF	Enable or Disable printing MSN on SMDR
Print Caller Number	ON/OFF	OFF	Enable or Disable printing of the Caller Number
ICM SMDR Save	ON/OFF	OFF	If this value is set to ON, ICM call data is stored in Off-line SMDR
ICM SMDR Print	ON/OFF	OFF	If this value is set to ON, ICM call data is printed in On-line SMDR
SMDR Interface Service	ON/OFF	OFF	--
I-SMDR Connection Type	SIO/LAN	SIO	--

System Date / Time (PGM 178) - Not Used

Linked Station Pairs Table (PGM 179)

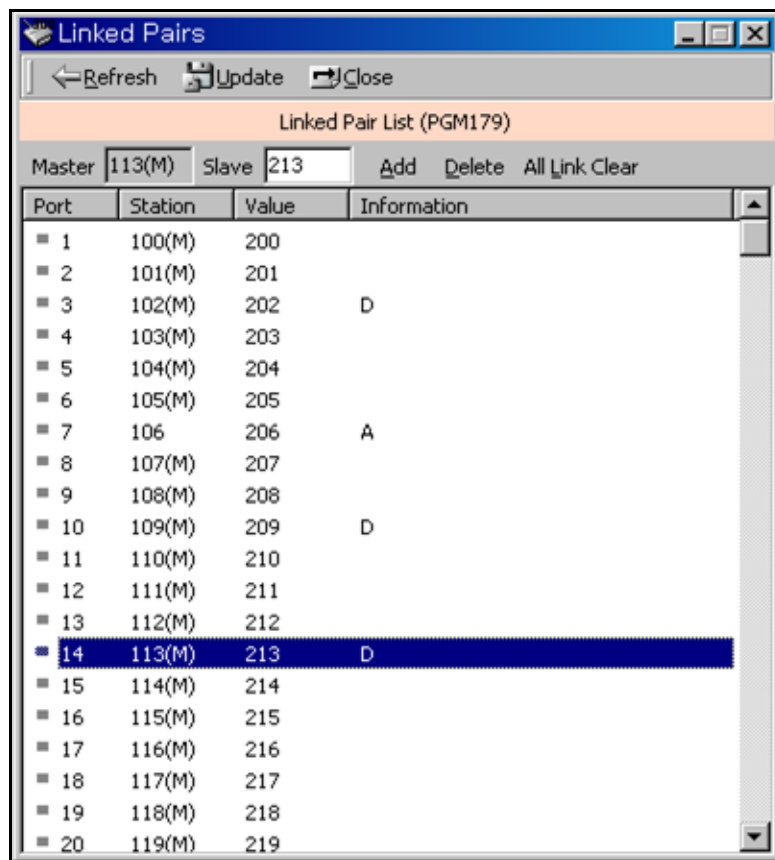
You can link two stations in a pair. The "(M)" character indicate that this station is Master station.



Port	Station	Value	Information
<input type="checkbox"/> 1	100(M)	200	
<input type="checkbox"/> 2	101(M)	201	
<input type="checkbox"/> 3	102(M)	202	
<input type="checkbox"/> 4	103(M)	203	
<input type="checkbox"/> 5	104(M)	204	
<input type="checkbox"/> 6	105(M)	205	
<input type="checkbox"/> 7	106(M)	206	
<input type="checkbox"/> 8	107(M)	207	
<input type="checkbox"/> 9	108(M)	208	
<input type="checkbox"/> 10	109(M)	209	
<input type="checkbox"/> 11	110(M)	210	
<input type="checkbox"/> 12	111(M)	211	
<input type="checkbox"/> 13	112(M)	212	
<input type="checkbox"/> 14	113(M)	213	
<input type="checkbox"/> 15	114(M)	214	
<input type="checkbox"/> 16	115(M)	215	
<input type="checkbox"/> 17	116(M)	216	
<input type="checkbox"/> 18	117(M)	217	
<input type="checkbox"/> 19	118(M)	218	
<input type="checkbox"/> 20	119(M)	219	

Operation

1. Select a station number and enter a station number to be linked with.
2. Link the pair by clicking "Add". To delete a pair, click [Delete] button. Then information will display "A" character for addition and "D" character for deletion.



3. To adapt the changed pair(Add/Delete), click [Update].
4. If you want to clear all linked pair, click [All Link Clear].

System Timers I - III (PGM 180, 181,182)

You can set the system timers to control the interval of time that each event occurs.

Operation

System Timers			
<div> ← Refresh 🔄 Update 🔒 Close </div>			
System Timers (PGM180-182)			
NO	Timer	Value	Range
1	Attendant Recall Timer	0-60(*1min)	1
2	Call Park Recall Timer	0-600(*1sec)	120
3	Camp-on Recall Timer	0-200(*1sec)	30
4	Exclusive Hold Recall Timer	0-300(*1sec)	60
5	I-Hold Recall Timer	0-300(*1sec)	30
6	System Hold Recall Timer	0-300(*1sec)	30
7	Transfer Recall Timer	0-300(*1sec)	30
8	ACNR Delay Timer	0-300(*1sec)	30
9	ACNR No Answer Timer	10-50(*1sec)	30
10	ACNR Pause Timer	5-300(*1sec)	30
11	ACNR Retry Counter	1-30	3
12	ACNR No Tone Retry Counter	1-9	1
13	ACNR Tone Detect Timer	1-300(*1sec)	30
14	Automatic CO Release Timer	20-300(*1sec)	30
15	CCR Inter Digit Timer	0-255(*100msec)	30
16	CO Call Drop Warning Timer	0-99(*1sec)	10
17	Call Restrict Timer	0-99(*1min)	0
18	CO Dial Delay Timer	0-99(*100msec)	1
19	CO Release Guard Timer	1-150(*100msec)	20
20	CO Ring Off Timer	10-150(*100msec)	60
21	CO Ring ON Timer	1-9(*100msec)	2
22	Warning Tone Timer	60-900(*1sec)	180

Enter a value within the range specified in the range box. Refer to the following table for each timer.

System Timers - I (PGM 180)			
ITEM	RANGE	DEFAULT	REMARK
Attendant Recall Timer	00-60 (2 digits)	01 (min)	Establishes the amount of time before the system disconnects the call.
Call Park Recall Timer	000-600 (3 digits)	120 (sec)	Establishes the amount of time before a call placed in a call park location will recall the station placing the park.
Camp-on Recall Timer	000-200 (3 digits)	030 (sec)	If a station transfers to a busy station and hangs up, this recall timer is invoked.
Exclusive Hold Recall Timer	000-300 (3 digits)	060 (sec)	Establishes the amount of time before a call placed on exclusive hold will recall the station placing the hold.
I-Hold Recall Timer	000-300 (3 digits)	030 (sec)	Establishes the amount of time before a call recalls the attendant.
System Hold Recall Timer	000-300 (3 digits)	030 (sec)	Establishes the amount of time before a call placed on system hold will recall the station placing the hold.
Transfer Recall Timer	000-300 (3 digits)	030 (sec)	Establishes 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.
ACNR Delay Timer	000-300 (3 digits)	030 (sec)	When the ACNR Pause Timer expires and there is no available CO Line in the group, this timer is invoked. When the ACNR Delay Timer expires, invoke the ACNR Pause Timer if there is still no available CO line, ACNR is activated.
ACNR No Answer Timer	10-50 (2 digits)	030 (sec)	This Timer is invoked after system detects CO ring back tone or voice from a CO party. After this timer, the system retries ACNR.
ACNR Pause Timer	005-300 (3 digits)	030 (sec)	When this timer expires, ACNR is activated. (For CIS: 5-300)
ACNR Retry Counter	01-30	03	This counter decreases every time the station retries ACNR. ACNR is canceled if set to 0. (For CIS: 1-9)
ACNR Retry No Tone	1-9 (1 digit)	1 (5 sec)	1 represents 5 seconds, the system will wait this value to decide NO TONE. 3 represents 15 seconds. (Only for CIS)

System Timers - I (PGM 180)			
ITEM	RANGE	DEFAULT	REMARK
ACNR Tone Detect Timer	001-300 (3 digits)	030 (sec)	This timer is invoked upon completion of dialing and the system considers the CO party as busy in the case that the CPTU cannot detect a valid tone type until this timer expires.
Automatic CO Release Timer	020-300 (3 digits)	030 (sec)	An uncompleted CO call will be automatically released after this timer expires.
CCR Inter-digit Timer	000-255 (3 digits)	030 (100ms)	This field is 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.
CO Call Drop Warning Timer	00-99 (2 digits)	10 (sec)	If prepaid money is going to expire during a CO conversation, give warning tone and after this time the call will be disconnected. This timer is also used for Call Restriction, Unsupervised Conference.
Reserved	--	--	--
CO Dial Delay Timer	00-99 (2 digits)	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.
CO Release Guard Timer	001-150 (3 digits)	020 (100ms)	The CO Release Guard Timer controls the time necessary to guarantee idle loop state when the line is released.
CO Ring Off Timer	001-150 (3 digits)	060 (100ms)	This timer is to secure time interval between incoming ringing signals so that the active ringing can be continued in the system until this timer expires.
CO Ring On Timer	1-9 (1 digit)	2 (100ms)	The CO Ring On Timer controls the time necessary to detect an outside line as ringing into the system.
CO Warning Tone Timer	060-900 (3 digits)	180 (sec)	Establishes the amount of time before receiving warning tone to remind of the call elapsed time in case of outgoing CO conversations.
VM Outbound Retry Counter	0-9 (1 digit)	2	

System Timers - II (PGM 181)			
ITEM	RANGE	DEFAULT	REMARK
Call Forward No Answer Timer	000-255 (3 digits)	015 (sec)	The Call forward busy/no answer feature will take place using this timer. If this timer has a non-zero value and an extension is set to busy, no answer forward by the station user, then the extension will ring for this timer and will then forward to the next destination.
DID/DISA No Answer Timer	00-99 (2 digits)	25 (sec)	A DID call will be forwarded to the Attendant if the station is busy or does not answer within this time.
VMIB User Record Timer	010-255 (3 digits)	020 (sec)	The time duration of the VMIB user greeting.
VMIB Valid User Message Timer	0-9 (1 digit)	4 (sec)	The time duration of a valid VMIB user message.
Door Open Timer	05-99 (2 digits)	20 (100ms)	This timer establishes the length of time that is needed to activate a door open relay.
ICM Box Timer (Doorbox)	00-60 (2 digits)	30 (sec)	Establishes the amount of time programmed stations will ring when the ICM box user presses the [CALL] button.
ICM Dial Tone Timer	01-20 (2 digits)	10 (sec)	If action is not taken within ICM dial tone timer, the user will receive an error-tone.
Inter Digit Timer	01-20 (2 digits)	05 (sec)	If the time between dialed digits exceeds the Inter-digit timer, the user will receive an error-tone.
MSG Wait Reminder Tone Timer	00-60 (2 digits)	00 (min)	Establishes the amount of time between repeated reminder tones to a key telephone with a message waiting.
Paging Timeout Timer	000-255 (3 digits)	015 (sec)	Establishes the maximum time allowed for a page. The system will automatically disconnect the page at the end of this time unless the caller has hung up earlier.
Pause Timer	1-9 (1 digit)	3 (sec)	Establishes the length of the pause for use with automatically sent digits or other speed dialing.
Preset Call Forward Timer	00-99 (2 digits)	10 (sec)	Establishes the amount of time an outside line call will ring before being forwarded to a predetermined station. This entry works with Preset Forward Assignments in station attributes. More than one station can be forwarded to the same destination.
SLT DTMF Release Timer	00-20 (2 digits)	00 (sec)	--

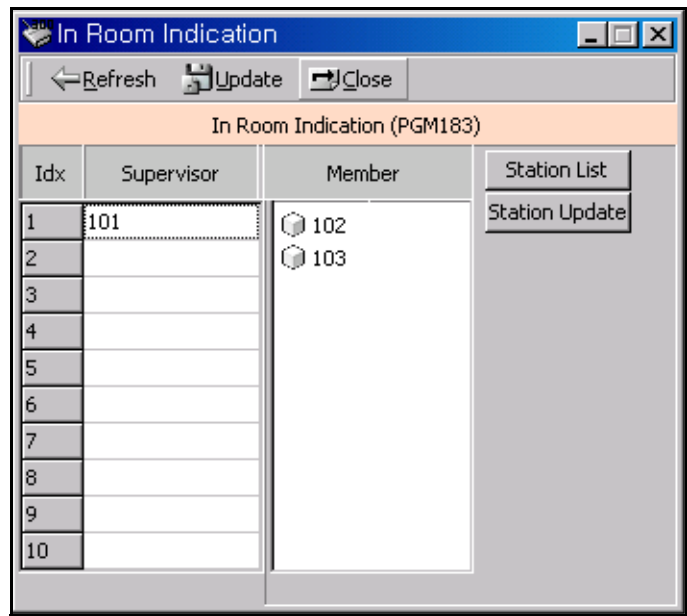
System Timers - II (PGM 181)			
ITEM	RANGE	DEFAULT	REMARK
3 Soft Auto Release Timer	01-30 (2 digits)	05 (sec)	--
VM Pause Timer	01-90 (2 digits)	30 (100ms)	--
Transit Connect Timer	01-30 (2 digits)	04 (sec)	--
VMIB MSG Rewind Timer	01-99 (2 digits)	05 (sec)	--
LCO Connect Timer	00-20 (2 digits)	00 (sec)	--
LCO CPT Detect Timer	00-20 (2 digits)	05 (sec)	--
Forward to VMIB Timer	20-60 (2 digits)	20 (sec)	If the Auto FWD to VMIB feature (PGM 113 - FLEX 14) is set to a station, the call is automatically forwarded to VMIB after this timer expires, so the caller can leave a voice message.

System Timers - III (PGM 182)			
ITEM	RANGE	DEFAULT	REMARK
SLT Hook Switch Bounce Timer	01-25 (2 digits)	01 (100ms)	This timer establishes the length of time that is needed to regard as a valid on-hook or off-hook.(for SLT).
SLT Maximum Hook Flash Timer	001-250 (2 digits)	050 (10ms)	This timer establishes how long the user could depress the hook switch in order for it to be considered a FLASH (Timed-Break Recall). (for SLT)
SLT Minimum Hook Flash Timer	000-250 (3 digits)	020 (10ms)	The minimum bound time that system considers as a hook flash for an SLT.
SLT Ring Phase Timer	2-5 (1 digit)	5 (sec)	Determines the ring phase of SLTs. (5 SEC: 1 SEC ON / 4 SEC OFF)
Station Auto Release Timer	020-300 (3 digits)	060 (sec)	If a station hears ring back tone and no action is taken, this timer is initiated. When this timer expires the station is released.

System Timers - III (PGM 182)			
ITEM	RANGE	DEFAULT	REMARK
Unsupervised Conference Timer	00-99 (2 digits)	10 (min)	Establishes the amount of the time an unsupervised conference can continue after the initiator of the conference has exited the conference
Wake-up Fail Ring Timer	00-99 (2 digits)	20 (sec)	After a Wake-up fail ring invokes on the System Attendant, the alarm ring continues during the length of this timer. If this timer expires, the Alarm ring will terminate.
Warm Line Timer	01-20 (2 digits)	05 (sec)	User takes no action after lifting handset or pressing the [SPEAKER] button and the warm line timer expires, then the idle line selection for warm line is activated.
Wink Timer	010-200 (3 digits)	010 (10ms)	The Time Duration of Seize Acknowledge Signal to DID line.
Enblock Int Digit Timer	01-20 (2 digits)	15 (sec)	After timer expires, Setup is sent.
CCR Time Out Timer	000-300 (3 digits)	010 (sec)	When this timer expires, CCR is activated
DID Inter Digit Timer	01-20 (2 digits)	05 (sec)	This timer is used for the DID type 2 feature. In DID type 2, the SBX IP 320 system will wait for new DID digits to be received until this timer expires or the call routing of DID type 2 is executed.
FAX Tone Detect Timer	01-10 (2 digits)	05 (sec)	Establishes the time allowed for a FAX tone to be detected before disconnection.
FAX CO Call Timer	1-5 (1 digit)	1 (min)	Establishes the time allowed for a FAX call before disconnection.

In Room Indication (PGM 183)

Operation



1. Enter a supervisor station.
2. Click the Station List button, then drag and drop member station in the station list.
3. Click the Update button to change all values or Station Update for member station.

In Room Indication (PGM 183)			
ITEM	RANGE	DEFAULT	REMARK
Supervisor	Station		
Member	Station		Max 20 Stations

Chime Bell Attributes (PGM 184)

Operation

Idx	Chime Bell Station Pair	Relay(0-7)
1	101 201	5
2		0
3		0
4		0
5		0
6		0
7		0
8		0
9		0
10		0
11		0

Bell Timer: 20 1 - 20 (sec)

Bell Freq T1: OHZ

Bell Freq T2: OHZ

Chime Bell Attributes (PGM 184)			
ITEM	RANGE	DEFAULT	REMARK
Station Pair	Station		
Relay	1-14	0	
Bell Timer	1-20		
Bell Frequency			

DCOB System Attributes (PGM 186)

In this menu, you can program the attributes of R2(DCOB). These menus consist of combo boxes.

Operation

After selecting the item and changed value, press the [Update] button to save the value. This feature may not apply to some countries - it currently is not supported in the USA.

DCOB System Attribute (PGM186)			
Line Status	6	R2 OUT Manage Timer(sec)	14 01-50
Calling Category	1	R2 IN Manage Timer(sec)	14 01-50
CLI Digit Num	4	R2 Disappear Timer(sec)	14 01-50
Metering Type	<input type="checkbox"/>	R2 Pulse Timer(20msec)	7 01-30
DNIS Service	<input type="checkbox"/>	R2 Ready Timer(20msec)	7 000-500
R2 Error Prompt Usage	<input type="checkbox"/>	Dial Tone Delay Timer	20 01-30
R2 Busy Prompt Usage	<input type="checkbox"/>	R2 Out Digit Timer(sec)	5 01-50
R2 Annc Prompt Usage	<input type="checkbox"/>		

DCOB System Attributes (PGM 186)			
ITEM	RANGE	DEFAULT	REMARK
DCOB CO Type (This is actually programmed in PGM 187, FLEX 4)	0-2	2	0: Sweden/Cyprus 1: Italy 2: Korea/Australia
Metering Type	0-1	0	0: Not used 1: When a Metering signal is received
R2 OUT Manage Timer	01-50	14 (sec)	In R2 signaling, maximum time for waiting for forward signal from PX
R2 IN Manage Timer	01-50	14 (sec)	In R2 signaling, maximum time for waiting for forward signal from PX

DCOB System Attributes (PGM 186)			
ITEM	RANGE	DEFAULT	REMARK
R2 Disappear Timer	01-50	14 (sec)	--
R2 Pulse Timer	01-30	07 (20ms)	In R2 signaling, time duration to send pulse typed R2 signal
R2 Ready Timer	000-500	007 (20ms)	--
Dial Tone Delay Timer	01-30	20	--
Line Status	1-9	6	Free Line
Calling Category	1-9	1	User no priority
ANI Request	ON/OFF	OFF	ON: Caller ID Service
CLI Digits Number	01-10	04	--
R2 Out Digits Timer	01-50	05	--
R2 Error Prompt	ON/OFF	OFF	--
R2 Busy Prompt	ON/OFF	OFF	--
R2 Annc Prompt Usage	ON/OFF	OFF	--
DCO Gain	01-63	32	--

DCOB CO Line Attributes (PGM187)

This feature is for R2(DCOB) programming.

CO	IN Digit Type
1	R2MFC
2	R2MFC
3	R2MFC
4	R2MFC
5	R2MFC
6	R2MFC
7	R2MFC
8	R2MFC
9	R2MFC
10	R2MFC
11	R2MFC
12	R2MFC

DCOB CO line Attribute (PGM187)

IN Digit Type:

OUT Digit Type:

No of CLI Digits: 1 - 15

DCOB CO Type:

Snd S-Block CMD: ☐

Operation

1. Set the value of admin field.
2. For several CO modification, click popup menu by right-clicking (as shown in the following graphic). Then you can assign the range of CO Line (or All CO).
3. Press the "Update" button.

DCOB Line Attributes

Refresh Update Close

CO Line List

CO	IN Digit Type
1	R2MFC
2	
3	
4	
5	
6	
7	
8	R2MFC
9	R2MFC
10	R2MFC
11	R2MFC
12	R2MFC

CO Selection

CO Num: [] - [] All CO OK

DCOB CO line Attribute (PGM187)

IN Digit Type: R2MFC

OUT Digit Type: R2MFC

No of CLI Digits: 10 1 - 15

DCOB CO Type: 2(Korea)

Snd S-Block CMD: ☐

DCOB CO Line Attributes (PGM 187)

ITEM	RANGE	DEFAULT	REMARK
IN Digit Type	0-2	2	Default: R2MFC (2) To set type: [0 : PULSE, 1 : DTMF, 2 : R2MFC]
OUT Digit Type	0-2	2	Default: R2MFC (2) To set type: [0 : PULSE, 1 : DTMF, 2 : R2MFC]
Number of CLI Digits	01-15	10	--
DCOB Type	0-2	2	0: Cyprus, 1: Italy, 2: Korea
Send S-Block Cmd	ON/OFF	OFF	--

Station Group

You can group stations together, and make an idle station in a group to response to a call.

Station Group Assign (PGM 190/191)

Stations in the system can be grouped so that incoming calls will search (hunt) for an idle station in the group. Three hunting processes can be assigned; Circular, Terminal, or UCD (Uniform Call Distribution). Each of the system's groups is assigned as a function; Call Pick-Up Group and/or Hunt Group, Voice Mail Group, and Ring Group. The available group number and station number in a group is as follows:

Number of Groups / System	10
Stations / Group	26

A station can belong to any number of Pickup groups, but can only belong to one Station Hunt group, Voice mail group, or Ring group.

When assigning a station group to any type of hunt group or voice mail group, ring, pick up group, the system initializes hunt attributes by default value for its own function. It can be programmed to meet each customer's individual need.

Station Group (PGM190)

Grp	Type	Pickup
620	N/A	OFF
621	N/A	OFF
622	N/A	OFF
623	N/A	OFF
624	N/A	OFF
625	N/A	OFF
626	N/A	OFF
627	N/A	OFF
628	N/A	OFF
629	N/A	OFF
630	N/A	OFF
631	N/A	OFF
632	N/A	OFF
633	N/A	OFF
634	N/A	OFF
635	N/A	OFF
636	N/A	OFF
637	N/A	OFF
638	N/A	OFF
639	N/A	OFF
640	N/A	OFF
641	N/A	OFF
642	N/A	OFF

Station Group Attributes (PGM191)

Group Number: 620 Group Type: Circular Type Update Pick-up Attribute ☐

Circular / Terminal Ring UCD Voice Mail Pick Up N/A

VMIB Announce 1 Timer: 15 0 - 999 (sec) Overflow Timer: 180 0 - 600 (sec)

VMIB Announce 2 Timer: 0 0 - 999 (sec) Wrap-Up Timer: 2 2 - 999 (sec)

VMIB Announce 1 Location: 0 ☐ # (0 - 70) No Answer Timer: 15 0 - 99 (sec)

VMIB Announce 2 Location: 0 ☐ # (0 - 70) Pilot Hunt: ☐

VMIB Announce 2 Repeat Timer: 0 0 - 999 (sec) Alt if No Member: ☐

VMIB Announce 2 Repeat: ☐ Music Source: Not Assigned

Overflow Destination: ☐ STA ☐ STA GRP ☐ VMIB ☐ SYS SPD # 1 - 70 2000 ~ 4999

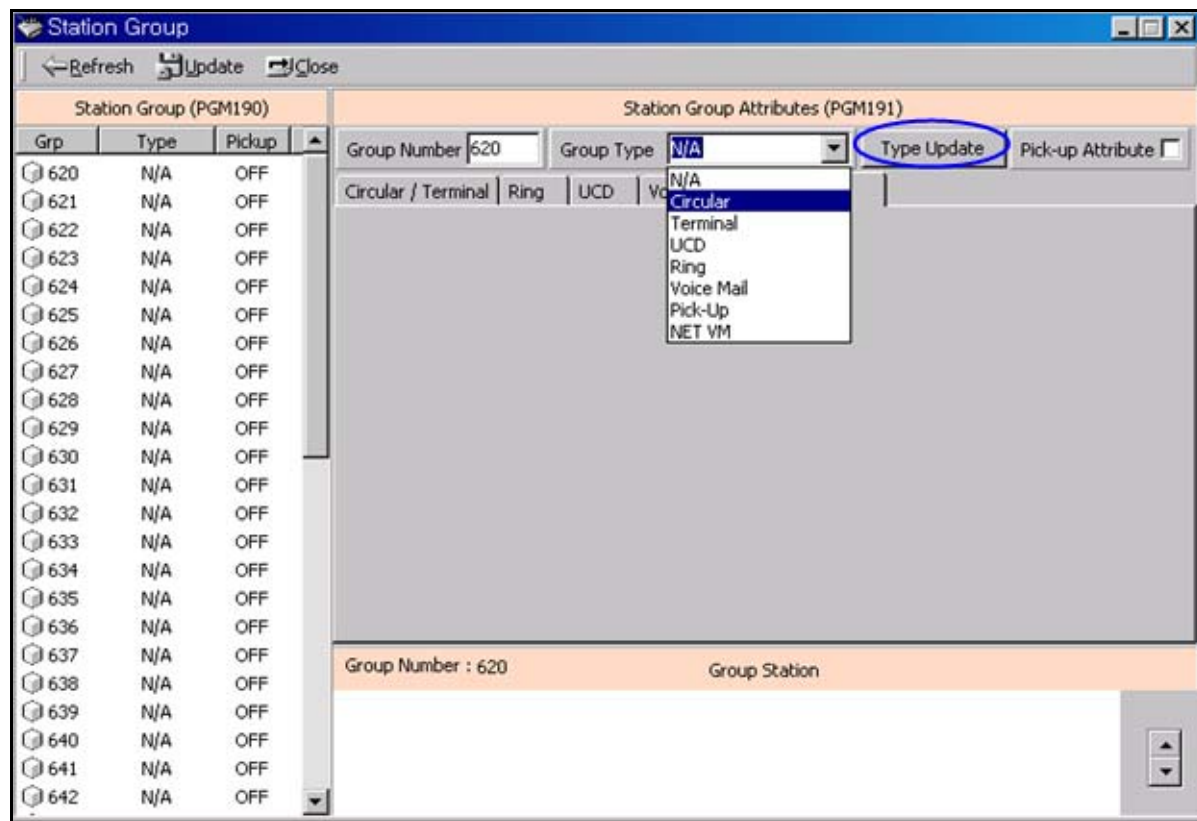
Alternate destination: Station / Group

Max Queued Call Count: 99 0 - 99

Group Number : 620 Group Station

Operation

1. There are two part in window. One part is the station group number list and second is the member list and Group Attributes
2. If you select one station group in left field, the stations that are a member of the group and Group Attributes will be displayed automatically.
3. If you want add or edit the station group, change the Group type and press the "Type Update" button before pressing the "Update" button.



4. When the station group type is changed, it will display the default value of the attributes. Then, you can assign the attributes of the group.

Station Group (PGM190)

Grp	Type	Pickup
620	N/A	OFF
621	N/A	OFF
622	N/A	OFF
623	N/A	OFF
624	N/A	OFF
625	N/A	OFF
626	N/A	OFF
627	N/A	OFF
628	N/A	OFF
629	N/A	OFF
630	N/A	OFF
631	N/A	OFF
632	N/A	OFF
633	N/A	OFF
634	N/A	OFF
635	N/A	OFF
636	N/A	OFF
637	N/A	OFF
638	N/A	OFF
639	N/A	OFF
640	N/A	OFF
641	N/A	OFF
642	N/A	OFF

Station Group Attributes (PGM191)

Group Number: 620 Group Type: Circular **Type Update** Pick-up Attribute: ☐

Circular / Terminal Ring UCD Voice Mail Pick Up N/A

VMIB Announce 1 Timer: 15 0 - 999 (sec) Overflow Timer: 180 0 - 600 (sec)

VMIB Announce 2 Timer: 0 0 - 999 (sec) Wrap-Up Timer: 2 2 - 999 (sec)

VMIB Announce 1 Location: 0 # (0 - 70) No Answer Timer: 15 0 - 99 (sec)

VMIB Announce 2 Location: 0 # (0 - 70) Pilot Hunt: ☐

VMIB Announce 2 Repeat Timer: 0 0 - 999 (sec) Alt if No Member: ☐

VMIB Announce 2 Repeat: ☐

Music Source: Not Assigned

Alternate destination: Station / Group

Max Queued Call Count: 99 0 - 99

Overflow Destination: ☐ STA ☐ STA GRP ☐ VMIB ☐ SYS SPD # 1 - 70 2000 ~ 4999

Group Number : 620 Group Station

- To modify the member, right-click the mouse in the Group Station Area (The Group Station Area is the white field in below side of the windows). Then, you will see two menus (Add/Delete)

Station Group (PGM190)

Grp	Type	Pickup
620	Circular	OFF
621	N/A	OFF
622	N/A	OFF
623	N/A	OFF
624	N/A	OFF
625	N/A	OFF
626	N/A	OFF
627	N/A	OFF
628	N/A	OFF
629	N/A	OFF
630	N/A	OFF
631	N/A	OFF
632	N/A	OFF
633	N/A	OFF
634	N/A	OFF
635	N/A	OFF
636	N/A	OFF
637	N/A	OFF
638	N/A	OFF
639	N/A	OFF
640	N/A	OFF
641	N/A	OFF
642	N/A	OFF

Station Group Attributes (PGM191)

Group Number: 620 Group Type: Circular Type Update Pick-up Attribute ☐

Circular / Terminal Ring UCD Voice Mail Pick Up N/A

VMIB Announce 1 Timer: 15 (0 - 999 sec) Overflow Timer: 180 (0 - 600 sec)

VMIB Announce 2 Timer: 22 (0 - 999 sec) Wrap-Up Timer: 2 (2 - 999 sec)

VMIB Announce 1 Location: 01 (# (0 - 70)) No Answer Timer: 15 (0 - 99 sec)

VMIB Announce 2 Location: 0 (# (0 - 70)) Pilot Hunt: ☐

VMIB Announce 2 Repeat Timer: 0 (0 - 999 sec) Alt if No Member: ☐

VMIB Announce 2 Repeat: ☐ Music Source: Not Assigned

Overflow Destination: ☐ STA ☐ STA GRP ☐ VMIB ☐ SYS SPD # 1 - 70 2000 ~ 4999

Alternate destination: 111 Station / Group

Max Queued Call Count: 99 (0 - 99)

Group Number : 620 Group Station

Add Station Selected Item Delete

- To add the member, enter the station range or station number in popup menu by selecting the "Add Station".

(If you want to change the order of members, use the up/down button on the right side)

Station Group (PGM190)

Grp	Type	Pickup
620	Circular	OFF
621	N/A	OFF
622	N/A	OFF
623	N/A	OFF
624	N/A	OFF
625	N/A	OFF
626	N/A	OFF
627	N/A	OFF
628	N/A	OFF
629	N/A	OFF
630	N/A	OFF
631	N/A	OFF
632	N/A	OFF
633	N/A	OFF
634	N/A	OFF
635	N/A	OFF
636	N/A	OFF
637	N/A	OFF
638	N/A	OFF
639	N/A	OFF
640	N/A	OFF
641	N/A	OFF
642	N/A	OFF

Station Group Attributes (PGM191)

Group Number: 620 Group Type: Circular Type Update: Pick-up Attribute: ☐

Circular / Terminal Ring UCD Voice Mail Pick Up N/A

VMIB Announce 1 Timer: 15 0 - 999 (sec) Overflow Timer: 180 0 - 600 (sec)

VMIB Announce 2 Timer: 22 0 - 999 (sec) Wrap-Up Timer: 2 2 - 999 (sec)

VMIB Announce 1 Location: 01 # (0 - 70) No Answer Timer: 15 0 - 99 (sec)

VMIB Announce 2 Location: 0 # (0 - 70) Pilot Hunt: ☐

VMIB Announce 2 Repeat Timer: 0 0 - 999 (sec) Alt if No Member: ☐

VMIB Announce 2 Repeat: ☐

Overflow Destination: ☐ STA ☐ STA GRP ☐ VMIB ☐ SYS SPD # 1 - 70 2000 ~ 4999

Station Add Tool

☐ Station

☒ Range 100 111

Priority 0 (0 ~ 9)

Add Close

Group Number : 620 Group Station:

100:[A]	103:[A]	106:[A]	109:[A]
101:[A]	104:[A]	107:[A]	110:[A]
102:[A]	105:[A]	108:[A]	111:[A]

7. To delete the member, select the "Selected item delete" menu.

The screenshot displays the 'Station Group' application window. On the left, a list of stations (Grp 620 to 642) is shown with their types (Circular or N/A) and pickup status (OFF). The main area is titled 'Station Group Attributes (PGM191)' and contains various configuration fields. A context menu is open over the 'Group Station' list, showing 'Add Station' and 'Selected item Delete' options.

Station Group (PGM190)

Grp	Type	Pickup
620	Circular	OFF
621	N/A	OFF
622	N/A	OFF
623	N/A	OFF
624	N/A	OFF
625	N/A	OFF
626	N/A	OFF
627	N/A	OFF
628	N/A	OFF
629	N/A	OFF
630	N/A	OFF
631	N/A	OFF
632	N/A	OFF
633	N/A	OFF
634	N/A	OFF
635	N/A	OFF
636	N/A	OFF
637	N/A	OFF
638	N/A	OFF
639	N/A	OFF
640	N/A	OFF
641	N/A	OFF
642	N/A	OFF

Station Group Attributes (PGM191)

Group Number: 620 Group Type: Circular Type Update: Pick-up Attribute: ☐

Circular / Terminal Ring UCD Voice Mail Pick Up N/A

VMIB Announce 1 Timer: 15 0 - 999 (sec) Overflow Timer: 180 0 - 600 (sec)

VMIB Announce 2 Timer: 22 0 - 999 (sec) Wrap-Up Timer: 2 2 - 999 (sec)

VMIB Announce 1 Location: 01 # (0 - 70) No Answer Timer: 15 0 - 99 (sec)

VMIB Announce 2 Location: 0 # (0 - 70) Pilot Hunt: ☐

VMIB Announce 2 Repeat Timer: 0 0 - 999 (sec) Alt if No Member: ☐

VMIB Announce 2 Repeat: ☐ Music Source: Not Assigned

Overflow: ☐ STA ☐ STA GRP ☐ VMIB ☐ SYS SPD

Destination: ☐ # 1 - 70 2000 ~ 4999

Alternate destination: 111 Station / Group

Max Queued Call Count: 99 0 - 99

Group Number : 620 Group Station

100:[A]	103:[A]	106:[A]	109:[A]
101:[A]	104:[A]	110:[A]	
102:[A]	105:[A]	111:[A]	

Context Menu: Add Station, Selected item Delete

8. When you complete the modification about the station group, press the "Update" button.

The screenshot shows the 'Station Group' configuration window. The left pane lists station groups from 620 to 642. The right pane shows configuration options for group 620, which is a 'Circular' group. The 'Update' button is highlighted with a blue arrow.

Station Group (PGM190)

Grp	Type	Pickup
620	Circular	OFF
621	N/A	OFF
622	N/A	OFF
623	N/A	OFF
624	N/A	OFF
625	N/A	OFF
626	N/A	OFF
627	N/A	OFF
628	N/A	OFF
629	N/A	OFF
630	N/A	OFF
631	N/A	OFF
632	N/A	OFF
633	N/A	OFF
634	N/A	OFF
635	N/A	OFF
636	N/A	OFF
637	N/A	OFF
638	N/A	OFF
639	N/A	OFF
640	N/A	OFF
641	N/A	OFF
642	N/A	OFF

Station Group Attributes (PGM191)

Group Number: 620 Group Type: Circular Type Update: [X] Pick-up Attribute: [X]

Circular / Terminal Ring UCD Voice Mail Pick Up N/A

VMIB Announce 1 Timer: 15 0 - 999 (sec) Overflow Timer: 180 0 - 600 (sec)

VMIB Announce 2 Timer: 22 0 - 999 (sec) Wrap-Up Timer: 2 2 - 999 (sec)

VMIB Announce 1 Location: 1 # (0 - 70) No Answer Timer: 15 0 - 99 (sec)

VMIB Announce 2 Location: 0 # (0 - 70) Pilot Hunt: [X]

VMIB Announce 2 Repeat Timer: 0 0 - 999 (sec) Alt if No Member: [X]

VMIB Announce 2 Repeat: [X] Music Source: Not Assigned

Overflow Destination: STA STA GRP 622 VMIB SYS SPD # 1 - 70 2000 ~ 4999

Alternate destination: 111 Station / Group

Max Queued Call Count: 99 0 - 99

Group Number : 620 Group Station

100:[Q]	103:[Q]	106:[Q]	109:[Q]
101:[Q]	104:[Q]	107:[Q]	110:[Q]
102:[Q]	105:[Q]	108:[Q]	111:[Q]

9. To delete the assigned station group, select the Group Type as "N/A" and press the "Type Update" button. Then press the "Update" button.

Station Group (PGM190)

Refresh Update Close

Station Group Attributes (PGM191)

Group Number: 620 Group Type: N/A Type Update Pick-up Attribute ☐

Circular / Terminal Ring UCD Vo

VMIB Announce 1 Timer: 15 VMIB Announce 2 Timer: 22 VMIB Announce 1 Location: 1 VMIB Announce 2 Location: 0 VMIB Announce 2 Repeat Timer: 0 VMIB Announce 2 Repeat: ☐

Overflow Destination: ☐ STA ☒ STA GRP 622 ☐ VMIB ☐ SYS SPD

Flow Timer: 180 0 - 600 (sec) -Up Timer: 2 2 - 999 (sec) Answer Timer: 15 0 - 99 (sec) Pilot Hunt: ☐ Alt if No Member: ☐ Music Source: Not Assigned Alternate destination: 111 Station / Group Max Queued Call Count: 99 0 - 99

Group Number : 620 Group Station

100:[Q]	103:[Q]	106:[Q]	109:[Q]
101:[Q]	104:[Q]	107:[Q]	110:[Q]
102:[Q]	105:[Q]	108:[Q]	111:[Q]

Station Group Type (PGM 190)			
ITEM	RANGE	DEFAULT	REMARK
Group Type	0-7	0	0: Not assigned 1: Circular 2: Terminal 3: UCD 4: Ring 5: VM 6: Pick up 7: Net VM
Pick-up Attribute	ON/OFF	OFF	OFF
Member Assignment	Not Assigned	--	Group Type must be assigned first.

Circular/Terminal Group Attributes (PGM 191)			
ITEM	RANGE	DEFAULT	REMARK
VMIB Announce 1 Timer	000-999	015 (sec)	If this timer expires after a call comes into the group, the system announces the greeting, if one exists.
VMIB Announce 2 Timer	000-999	000 (sec)	If this timer expires after a call comes into the group, the system announces the VMIB, if assigned.
VMIB Announce Location 1	00-70	00 (not assigned)	This location is used to announce a greeting when the VMIB Announce 1 timer expires.
VMIB Announce Location 2	00-70	00 (not assigned)	This location is used to announce greeting when the VMIB Announce 2 timer expires.
VMIB Announce 2 Repeat	000-999	000 (sec)	The VMIB announce 2 is repeated when this timer expires (000 = not assigned).
VMIB Announce 2 Repeat Enable/Disable	ON/OFF	OFF	This is used to enable or disable the VMIB Announce 2 Repeat.
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.
Overflow Timer	000-600	180 (sec)	If this timer expires after a call comes into the group, the call is routed to the overflow destination.
Wrap-up Timer	002-999	002 (sec)	A station in a hunt group is maintained in a busy state for a minimum of six seconds after any call and for hunt group calls for the assigned wrap-up time.
No Answer Timer	00-99	15 (sec)	In circular hunt, calls to a station in the group will go to the station, if unavailable or unanswered in this no answer time, the call is directed to the next station in the group.
Pilot Hunt	ON/OFF	ON	A circular hunt group can be assigned with a pilot number (the station group) so that only calls to the pilot number will hunt.
Alt if no Member	ON/OFF	OFF	If there is no member on duty, an ICM call will be dropped or an incoming CO call will be routed to the Attendant.

Circular/Terminal Group Attributes (PGM 191)			
ITEM	RANGE	DEFAULT	REMARK
Music Source	0-9	0 (not assigned)	If music source is assigned, calling user will be heard music instead of ring back tone. 0: Not Assigned 1: Internal Music 2: External Music 1 3: Reserved 4: SLT 1 5: SLT 2 6: SLT 3 7: SLT 4 8: SLT 5 9: Hold Tone
Alternate Destination	Sta No/ Hunt No	--	When a call comes into the group and there is no available station in the group, then the call will be routed to this destination, if assigned.
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
Member Forward	ON/OFF	ON	If this value is set to ON, members will be forwarded.
Queue Count Display	ON/OFF	ON	If this value is set to ON, a Hunt member can check the Queue Count.

UCD Group Attributes (PGM 191)			
ITEM	RANGE	DEFAULT	REMARK
VMIB Announce 1 Timer	000-999	015 (sec)	If all stations in the group are busy when a call is received for the group, the call may continue to wait (queue) for an available station in the group. If queued, the call may be sent to a UCD announcement when the queue period exceeds the 1st announcement Timer. If the timer is set to 000 the call will receive the full first announcement prior to the hunting process (guaranteed announcement).
VMIB Announce 2 Timer	000-999	000 (sec)	The second announcement can be provided if the call continues to wait beyond the 2nd announcement timer.
VMIB Announce Location 1	00-70	00 (not assigned)	Each Station Hunt Group can be assigned an announcement, which is played when the call is first received. The announcement may be assigned as VMIB.
VMIB Announce Location 2	00-70	00 (not assigned)	This location is used to announce greeting when the VMIB Announce 2 timer expires.

UCD Group Attributes (PGM 191)			
ITEM	RANGE	DEFAULT	REMARK
VMIB Announce 2 Repeat Timer	000-999	000 (sec)	The VMIB announce 2 is repeated when this timer expires (000 = not assigned).
VMIB Announce 2 Repeat Enable/Disable	ON/OFF	OFF	This is used to enable or disable the VMIB Announce 2 Repeat.
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.
Overflow Timer	000-600	180 (sec)	If this timer expires after a call comes into the group, the call is routed to the overflow destination.
Wrap-up Timer	002-999	002 (sec)	A station in a hunt group is maintained in a busy state for a minimum of six seconds after any call and for hunt group calls for the assigned wrap-up time.
Alt if no Member	ON/OFF	OFF	If there is no member on duty, an ICM call will be dropped or an incoming CO call will be routed to the Attendant.
Music Source	0-9	0 (not assigned)	If music source is assigned, calling user will be heard music instead of ring back tone. 0: Not Assigned 1: Internal Music 2: External Music 1 3: Reserved 4: SLT 1 5: SLT 2 6: SLT 3 7: SLT 4 8: SLT 5 9: Hold Tone
UCD Warning Tone	ON/OFF	ON	Establishes whether the ACD supervisor monitors an agent with a warning tone or without a warning tone
Alternate Destination	Sta No/ Hunt No	--	When a call comes into the group and there is no available station in the group, then the call will be routed to this destination, if assigned.
Supervisor Timer	000-999	030 (sec)	When the queued time is longer than this timer, the number of queued lines will be displayed on the supervisor's LCD.
Supervisor Call Count	00-99	00	If the number of queued calls is more than this call count, the supervisor timer will be started.
UCD Queued Call (Reserved)	ON/OFF	ON	(Reserved)

UCD Group Attributes (PGM 191)			
ITEM	RANGE	DEFAULT	REMARK
Max Queue Call Count	00-99	00	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
Supervisor	Sta #	--	Supervisor station number
UCD Hunt Stations' Priority	0-9	0	UCD group member's priority
Member Forward	ON/OFF	ON	If this value is set to ON, members will be forwarded.
UCD DND Ring Timer	000-999	000 (sec)	If this timer set to 000 sec, this timer is not operated. If this timer is set to 010, after 10 seconds ringing the UCD member is automatically in a UCD DND state.
UCD Queued Tone	ON/OFF	OFF	--

Ring Group Attributes (PGM 191)			
ITEM	RANGE	DEFAULT	REMARK
VMIB Announce 1 Timer	000-999	015 (sec)	If this timer expires after a call comes into the group, the system announces the greeting, if one exists.
VMIB Announce 2 Timer	000-999	000 (sec)	If this timer expires after call come in the group, the system announces the VMIB if assigned.
VMIB Announce Location 1	00-70	00 (not assigned)	This is used to announce greeting when the VMIB announce 1 timer expires.
VMIB Announce Location 2	00-70	00 (not assigned)	This is used to announce VMIB when the VMIB announce 2 timer expires.
VMIB Announce 2 Repeat Timer	000-999	000 (sec)	The VMIB announce 2 is repeated when this timer expires (000 = not assigned).
VMIB Announce 2 Repeat Enable/Disable	ON/OFF	OFF	This is used to enable or disable the VMIB Announce 2 Repeat.
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.

Ring Group Attributes (PGM 191)			
ITEM	RANGE	DEFAULT	REMARK
Overflow Timer	000-600	180 (sec)	If this timer expires after a call comes into the group, the call is routed to the overflow destination.
Wrap-up Timer	002-999	002 (sec)	A station in a hunt group is maintained in a busy state for a minimum of six seconds after any call and for hunt group calls for the assigned wrap-up time.
Music Source	0-9	0 (not assigned)	If music source is assigned, calling user will be heard music instead of ring back tone. 0: Not Assigned 1: Internal Music 2: External Music 1 3: Reserved 4: SLT 1 5: SLT 2 6: SLT 3 7: SLT 4 8: SLT 5 9: Hold Tone
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
Supervisor	Sta #	--	Supervisor station number
Member Forward	ON/OFF	ON	If this value is set to ON, members will be forwarded.
Queue Count Display	ON/OFF	ON	If this value is set to ON, a Hunt member can check the Queue Count.

Voice Mail Group Attributes (PGM 191)			
ITEM	RANGE	DEFAULT	REMARK
Wrap-up Timer	002-999	002 (sec)	A station in a hunt group is maintained in a busy state for a minimum of six seconds after any call and for hunt group calls for the assigned wrap-up time.
Put Mail Index	1-4	1	This index is one of the voice mail dialing tables.
Get Mail Index	1-4	2	This index is one of the voice mail dialing tables.
Hunt Type	CIRC/ TERM	TERM	1: Circular Hunt Group 0: Terminal Hunt Group
SMDI Port	--	--	Not to be programmed
Overflow Timer	000-600	180 (sec)	If this timer expires after a call comes into the group, the call is routed to the overflow destination.
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.

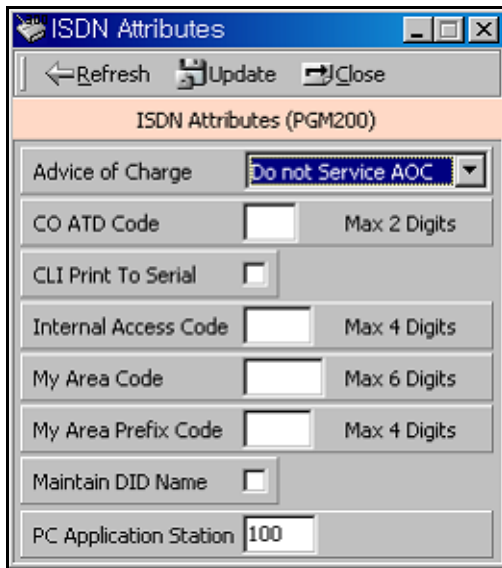
Pick Up Group Attributes (PGM 191)			
ITEM	RANGE	DEFAULT	REMARK
Auto Pickup	ON/OFF	OFF	If a hunt member is ringing, another hunt member can pickup automatically by pressing the [SPEAKER] button or by going off-hook.
All Ring	ON/OFF	OFF	When a hunt member that is in TONE mode is ringing, all the other stations are ringing also. The Auto Pickup feature must be set before All Ring is set.

ISDN System Base Program

To change the ISDN related features, use PGM 200 - PGM 201.

ISDN Attributes (PGM 200)

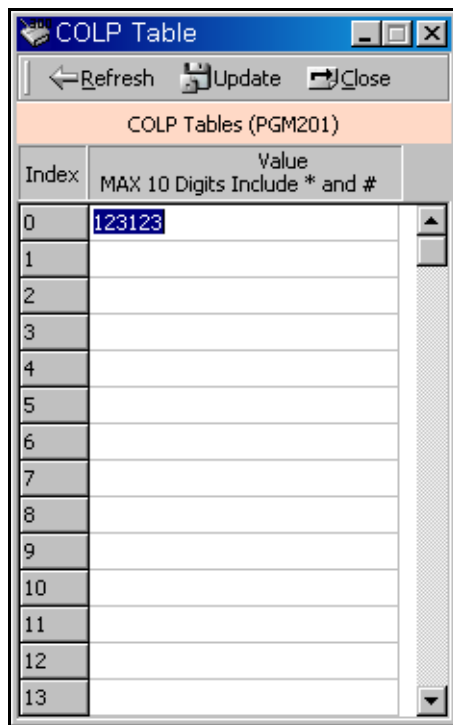
You can change the general ISDN attributes using this menu.



ISDN Attributes (PGM 200)			
ITEM	RANGE	DEFAULT	REMARK
CO ATD	Max of 2 digits	--	According to PGM 114 - FLEX 5, CO ATD code or Extension number can be attached to the CLI, COLP message
My Area Code	Max of 6 digits	--	Local Area Code
My Area Prefix Code	Max of 4 digits	--	Prefix Code of Local Area Code

COLP Table (PGM 201)

After you make an outgoing call through an ISDN line, you can see the number you are connected with.



Index	Value MAX 10 Digits Include * and #
0	123123
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	

Tables

LCR Assignment (PGM 220)

LCR is a function you can program to select a least-cost CO line automatically for day/night, and any specified time zone. The LCR table has four parts. In PGM 220, you can program a general database, the LCR access mode, day zone, and time zone.

Operation

1. Select an LCR Access Mode.
2. Duplicated day can't be assigned for different day zones.
3. For each day zone, you set up time-of-day. The time also can't be duplicated for each day zone.

Least Cost Routing Control Attributes

← Refresh ↻ Update ✕ Close

Least Cost Routing Control Attribute (PGM220)

LCR Access Mode: M00 / Disable LCR

Day Zone

Monday	Zone 1	Friday	Zone 1
Tuesday	Zone 1	Saturday	Zone 1
Wednesday	Zone 1	Sunday	Zone 1
Thursday	Zone 1		

Time Zone 1

Time of Day Zone 1	0	- 24	0-23 / 0-24
Time of Day Zone 2		-	0-23 / 0-24
Time of Day Zone 3		-	0-23 / 0-24

Time Zone 2

Time of Day Zone 1	0	- 24	0-23 / 0-24
Time of Day Zone 2		-	0-23 / 0-24
Time of Day Zone 3		-	0-23 / 0-24

Time Zone 3

Time of Day Zone 1	0	- 24	0-23 / 0-24
Time of Day Zone 2		-	0-23 / 0-24
Time of Day Zone 3		-	0-23 / 0-24

LCR Table (PGM 220)			
ITEM	RANGE	DEFAULT	REMARK
LCR Access	M00 M01 M02 M11 M12 M13	Disable M00)	LCR Access Mode 00 (M00): Disable LCR LCR Access Mode01 (M01): only Loop LCR. LCR Access Mode02 (M02): Internal and Loop LCR. LCR Access Mode11 (M11): Loop and Direct CO LCR LCR Access Mode12 (M12): Internal, Loop, and Direct CO LCR. LCR Access Mode13 (M13): Internal, Loop, Direct CO, and Direct Loop LCR.
Day Zone	Zone: 3 Day: 1-7	Belongs to Zone 1	First, select day and choose zone.
Time Zone	Time: 00-24	Belongs to Zone 1	The system accepts the same value for 00 and 24 and changes to "00", if 24 is input as the starting value and vice versa. *Note: The time not belonging to any zone will be considered as zone 1. *Note: 10-13 represents 10:00:00 - 12:59:59

LCR - LDT (Leading Digit Table) Table (PGM 221)

PGM 221 is for Leading Digit Table.

Operation

Index	LCR Type	Compared Digits Max 12 Digits Include '*', '#'	DMT 1			DMT 2			DMT 3			Check Password
			D1	D2	D3	D1	D2	D3	D1	D2	D3	
0	BOTH	1111				2	22	2				OFF
1	BOTH	3333	22	11	22							ON
2	BOTH	4444	1	1	1							OFF
3	BOTH	5555	1	25	2							ON
4	BOTH											OFF
5	BOTH											OFF
6	BOTH											OFF

Index : 0 Update

LCR Type: BOTH

Compared Digits: 1111

Check Password: OFF

DMT1 D1: D2: D3:

DMT2 D1: 2 D2: 22 D3: 2

DMT3 D1: D2: D3:

1. Select a LCR type (INT, COL, BOTH)
2. Enter Leading Digits (it is a 12-digit number to compare with a number a user dialed previously).
3. Set up [Day Zone] in DMT index.

Leading Digit Table (PGM 221)			
ITEM	RANGE	DEFAULT	REMARK
LCR Type	Digit (1)INT (2)COL (3)BOTH	BOTH	INT: look up this entry only for internal dialing. COL: look up this entry only after dialing CO Access Code. BOTH: look up this entry for both INT and COL.
CD	12 digits	None	To be compared with the dialed digits by a user.
DMT Index	Each value 00-99	None	Day Zone 1, 2, 3 has 3 time zone DMT indexes (6 digits)

LCR - DMT Table (PGM 222)

PGM 222 is the Digit Modification Table.

Operation

Digit Modification Table (PGM222)						
Index	Add Digits (Max 25 Digits) Include ('*' , '#' , 'D' , 'P' , 'F') D: Tone Detect, P: Pause F: Billing Station	Removal Position 1 ~ 12	Num of digits to be removed 0 ~ 12	Add Position 1 ~ 13	CO Group 1 ~ 72	Alternative DMT Index 0 ~ 99
0	1223	1	0	1	1	
1		1	0	1	1	
2		1	0	1	1	
3		1	0	1	1	
4		1	0	1	1	
5		1	0	1	1	
6		1	0	1	1	
7		1	0	1	1	
8		1	0	1	1	
9		1	0	1	1	
10		1	0	1	1	
11		1	0	1	1	
12		1	0	1	1	
13		1	0	1	1	

1. Added Digit Stream : 25 Digits maximum.
2. Removal Position : Select a position to remove (1-12).
3. Number of digits to be removed : Select the number to be deleted (1-12).
4. Add Position : Select a position to be added (1-13).
5. CO Group : Select a CO Group (1-24).
6. Alternative DMT index : If there is no CO group to select, select alternative DMT index to be used.(0-99).

Digit Modification Table (PGM 222)			
ITEM	RANGE	DEFAULT	REMARK
Bin Number	00-99	--	--
Added Digit Stream	25 digits	None	Normal digits (0-9, *, #) Special characters: [CALLBK]: Pause [DND/FOR]: Dial-tone-detection instead of pause [FLASH]: Billing code (Extension Number)
Removal Position	01-12	01	Index to CD stream in Lead table to be removed
Number of Digits to be Removed	00-12	00	Remove digits in CD stream up to this amount
Add Position	01-13	01	Establishes the position of the CD stream after removal, where the stream will be inserted.
CO Group	01-24	01	Establishes which CO group is used for LCR dialing
Alternative DMT Index	00-99	None	Establishes an alternative DMT index when there is no idle CO line in CO group.

LCR Table Initialization (PGM 223)

It initializes Day Zone 1,2,3 in LDT, and all CO groups in DMT.

Operation

1. Click [LCR Table Initialization]. Click [Day Zone](1-3). Select a DMT index (0-99), then press the [Initialize] button to initialize.
2. Select a CO group (1-24), and Click the [Initialize] button that is located below Initialize CO Group area.
3. Select an alternative DMT index (1-99), and click the [Initialize] button of the Initialize Alternative DMT Index area.
4. Click [Initialize All LCR Table] to initialize all LCR tables.

Toll Exception (PGM 224)

Toll tables are used to have access to certain toll-free calls as well as being denied certain calls for the stations assigned STATION COS. Exception table A & B allow the station that is programmed in STA COS 2, 3, & 4 to have access to certain toll free calls as well as being denied certain calls.

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.

Allow/Deny Rules (PGM 224)			
ENTRY		CONDITIONS & RESULT	
ALLOW	DENY	ALLOW TABLE	DENY TABLE
Not Exist	Not Exist	No Restriction	No Restriction
Exist	Not Exist	Found - allowed Not found - denied	--
Not Exist	Exist	--	Found - denied Not found - allowed
Exist	Exist	Found - allowed Not found - check deny table	Found - denied Not found - allowed

Operation

Click [Toll Exception]. Select table(allow or deny).

Index	Value
1	123123
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	

Canned Toll Table (PGM 225)

The Allow/Deny Tables are organized to support 2 different toll plans at one installed site. You can set the Allow/Deny Table which is applied to station COS 5, 6. The number of entries in a table is 20, and 14 digits maximum including any number 0-9, *, #.

Operation

Click [Canned Toll Table], then select [ALLOW] or [DENY].

Canned Toll Table (PGM 225)			
ITEM	ENTRY	DEFAULT	REMARK
ALLOW	01-20	--	Max digits: 14
DENY	01-20	--	Max digits: 14

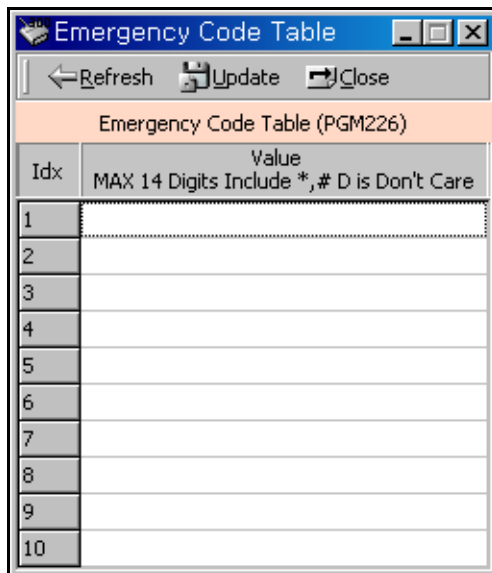
Idx	Value MAX 14 Digits Include *, # D is Don't Care
1	080
2	012
3	015
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	

Emergency Code Table (PGM 226)

Regardless of STA COS, an emergency call can be made through a service code. You can make 10 service codes for emergency use.

Operation

Click [Emergency Code Table].



Idx	Value MAX 14 Digits Include *,# D is Don't Care
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

Authorization Code Table (PGM 227)

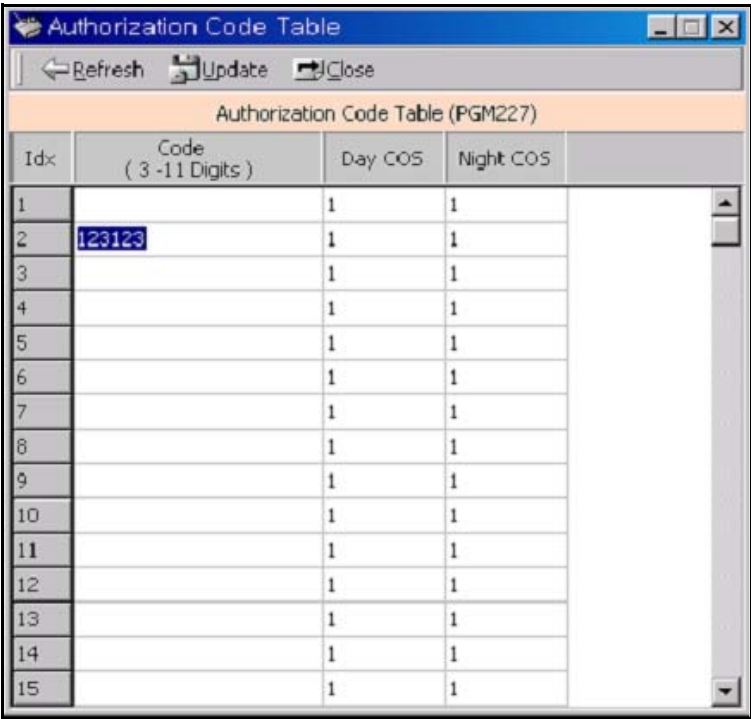
Authorization code table entries consist of each station password and extra account codes. The table entry from 001 to the maximum capacity of station numbers are saved as the password of each station. The remaining are extra entries.

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 an error tone and you cannot access the group. Stations or Admin programming can enter the authorization codes. An authorization code is a flexible length from 3 digits to 11 digits. The Administrator can see and change a station's password. There can be no duplicate entries. By default, Authorization Codes are not assigned.

Operation

Click [Authorization Code Table].

If a password is registered in the system, it will be shown.



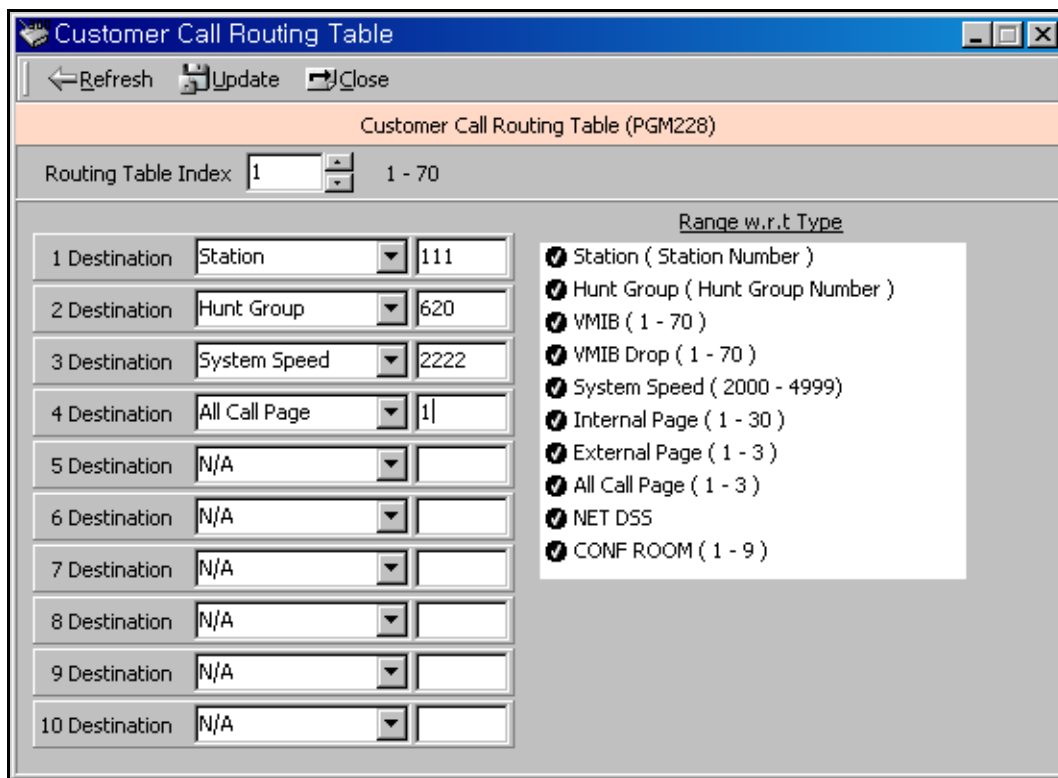
Idx	Code (3-11 Digits)	Day COS	Night COS
1		1	1
2	123123	1	1
3		1	1
4		1	1
5		1	1
6		1	1
7		1	1
8		1	1
9		1	1
10		1	1
11		1	1
12		1	1
13		1	1
14		1	1
15		1	1

Customer Call Routing (PGM 228)

According to voice guidance, an outside caller may be connected to a certain destination, and hear another voice message by pressing a keyset button.

Operation

Select a CCR table number (01-70), and press the [Refresh] button. You will see 10 entry indexes in the [CCR Table].



Customer Call Routing Table (PGM228)

Routing Table Index: 1 (Range: 1 - 70)

Destination Index	Destination Type	Value
1 Destination	Station	111
2 Destination	Hunt Group	620
3 Destination	System Speed	2222
4 Destination	All Call Page	1
5 Destination	N/A	
6 Destination	N/A	
7 Destination	N/A	
8 Destination	N/A	
9 Destination	N/A	
10 Destination	N/A	

Range w.r.t Type:

- ☒ Station (Station Number)
- ☒ Hunt Group (Hunt Group Number)
- ☒ VMIB (1 - 70)
- ☒ VMIB Drop (1 - 70)
- ☒ System Speed (2000 - 4999)
- ☒ Internal Page (1 - 30)
- ☒ External Page (1 - 3)
- ☒ All Call Page (1 - 3)
- ☒ NET DSS
- ☒ CONF ROOM (1 - 9)

Customer Call Routing Table (PGM 228)

TYPE (DIGIT)	TYPE	RANGE	DEFAULT	REMARK
1	Station	Station #	--	--
2	Hunt Group	Hunt #	--	--
3	VMIB	Announce #	--	--

Customer Call Routing Table (PGM 228)				
TYPE (DIGIT)	TYPE	RANGE	DEFAULT	REMARK
4	VMIB DROP	Announce #	--	--
5	System Speed	2000-2499	--	--
6	Internal Page	1-5	--	--
7	External Page	1	--	--
8	All Call Page	1	--	--
9	Net Number	Valid Net #	--	A valid net number must be entered. Networking programming must be done to use this field.
10	Conference Room	1-9	--	--

Executive/Secretary Table (PGM 229)

There are a number of Executive/Secretary pairs available for assignment so that when the executive designated station is in DND state, intercom calls and transfers will be automatically routed to the designated secretary station. By default, Executive/Secretary pairs are not assigned. The system supports 36 Executive/Secretary pairs.

Operation

Executive / Secretary Table					
Refresh Update Close					
Executive / Secretary Table (PGM229)					
Idx	Executive	Secretary	CO Call To Sec	Call Exec If Sec DND	Exec Grade(1-12)
1			OFF	OFF	0
2			OFF	OFF	1
3			OFF	OFF	2
4			OFF	OFF	3
5			OFF	OFF	4
6			OFF	OFF	5
7			OFF	OFF	6
8			OFF	OFF	7
9			OFF	OFF	8

Flexible DID Table (PGM 231)

This table is for flexible DID table service.

Operation

Flexible DID Table (PGM 231)			
ITEM	RANGE	DEFAULT	REMARK
DID Name	1-11 Chars	None	Max of 11 characters
Day Destination	STA # / Hunt # / VMIB # VMIB # drop SPD Int Page Ext Page All Page Net Number Conf. Room STA VM	Sta # Or NULL Sta #	00-70 (00: NOT_ASG) 00-70 (00: NOT_ASG) 2000-2499 1 - 5 1 1 Programmed valid Net number 1-9

Flexible DID Table (PGM 231)			
ITEM	RANGE	DEFAULT	REMARK
Night Destination	STA # / Hunt # / VMIB # VMIB # drop SPD Int Page Ext Page All Page Net Number Conf. Room STA VM	Sta # Or NULL Sta #	00-70 (00: NOT_ASG) 00-70 (00: NOT_ASG) 2000-2499 1 - 5 1 1 Programmed valid Net number 1-9
Weekend Destination	STA # / Hunt # / VMIB # VMIB # drop SPD Int Page Ext Page All Page Net Number Conf. Room STA VM	Sta # Or NULL Sta #	00-70 (00: NOT_ASG) 00-70 (00: NOT_ASG) 2000-2499 1 - 5 1 1 Programmed valid Net number 1-9
Reroute Destination	STA # / Hunt # / VMIB # VMIB # drop SPD Int Page Ext Page All Page Net Number Conf. Room STA VM	Sta # Or NULL Sta #	00-70 (00: NOT_ASG) 00-70 (00: NOT_ASG) 2000-2499 1 - 5 1 1 Programmed valid Net number 1-9

System Speed Zone (PGM 232)

You can sort system speed dials by up to 10 zones and use them for station COS checking and a status of each station.

Operation

Idx	Speed Bin Range in Zone (start)	Speed Bin Range in Zone (end)	Toll Checking	Auth Checking	Station	Station List
1	2200	4999	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/> 100	Station Update Station List
2			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/> 101	
3			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/> 102	
4			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/> 103	
5			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/> 104	
6			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/> 105	
7			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/> 106	
8			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/> 107	
9			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/> 108	
10			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/> 109	
					<input type="radio"/> 110	

1. Enter the speed bin range in zone fields (2000-2499).
2. Select Toll Checking (On/Off). When you use a station range to access a zone, check station COS and determine to restrict according to the Access/Deny table.
3. Click the [Update] button.

Flexible DID Table (PGM 232)			
ITEM	RANGE	DEFAULT	REMARK
Speed Bin Range in Zone	2200-2499	--	Each zone is exclusive (2000 - 2199: Toll Free Zone)
Station Range to Access Zone	Station #	100-131	--
Toll Checking	YES/NO	YES(ON)	--
Auth Check	YES/NO	YES(ON)	--

Weekly Time Table (PGM 233)

You can set day/night/weekend start time for each day. A total of 15 entries are possible. Weekend is after 6 o'clock on Friday.

Operation

Click [Weekly Time Table], then select a number (1-15).

Weekly Time Table (PGM 233)					
Table Index: 4					
Monday	Day Ring mode Start time	0900	Friday	Day Ring mode Start time	0900
	Night Ring mode Start time	1800		Night Ring mode Start time	
	Weekend Ring mode Start time			Weekend Ring mode Start time	1800
Tuesday	Day Ring mode Start time	0900	Saturday	Day Ring mode Start time	
	Night Ring mode Start time	1800		Night Ring mode Start time	
	Weekend Ring mode Start time			Weekend Ring mode Start time	0000
Wednesday	Day Ring mode Start time	0900	Sunday	Day Ring mode Start time	
	Night Ring mode Start time	1800		Night Ring mode Start time	
	Weekend Ring mode Start time			Weekend Ring mode Start time	0000
Thursday	Day Ring mode Start time	0900	<u>Comment</u> Must be 4 Digits (HHMM) 0000 - 2359		
	Night Ring mode Start time	1800			
	Weekend Ring mode Start time				

Weekly Time Table (PGM 233)		
ITEM	DEFAULT	REMARK
Day		Day ring mode start time (HH:MM)
Night		Night ring mode start time (HH:MM)
Weekend		Weekend ring mode start time (HH:MM)

Voice-Mail Dialing Table (PGM 234)

Apply this feature to use voice mail, and signal assignment between two systems.

It is recommended that you leave the settings at their default values.

Operation

Index	Prefix	Suffix
Voice Mail 1(Put)	P#	
Voice Mail 2(Get)	P##	
Voice Mail 3	P#*3P	
Voice Mail 4	P#*4P	
Voice Mail 5(No Answer)	P#*5P	
Voice Mail 6(Error)	P#*6P	
Voice Mail 7(Busy)		
Voice Mail 8(DND)		
Voice Mail 9(Disconnect)	*****	(Not Used)

Voice Mail Table (PGM 234)			
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: - Suffix: -	
4	VM Table 4	Prefix: P#*0P Suffix: -	
5	VM Table 5	Prefix: P#*4P Suffix: -	No Answer Table
6	VM Table 6	Prefix: P#*5P Suffix: -	Error Table
7	VM Table 7		Busy Table
8	VM Table 8		DND Table
9	VM Table 9	*****	Disconnect Table

Mobile Extension Table (PGM 236)

Idx	Enable	CO Grp No	Number (Max 24)	CLI (Max 16)
1	OFF	1		
2	OFF	1		
3	OFF	1		
4	OFF	1		
5	OFF	1		
6	OFF	1		
7	OFF	1		
8	OFF	1		
9	OFF	1		
10	OFF	1		
11	OFF	1		
12	OFF	1		
13	OFF	1		
14	OFF	1		
15	OFF	1		
16	OFF	1		
17	OFF	1		
18	OFF	1		

Mobile Extension Table (PGM 236)				
BTN	ITEM	RANGE	DEFAULT	REMARK
	Mobile Ext. Table Bin No.	001-048	--	
1	Mobile Ext. Enable	ON/OFF	OFF	
2	Mobile Ext. CO Grp	1-12	N/A	
3	Mobile Ext. Tel No.	Max 24	N/A	
4	CLI	Max 16 digits	N/A	
5	Mobile Hunt Call	ON/OFF	OFF	
6	Voice MSG Wait Notice to Mobile	ON/OFF	OFF	
7	Usage	ON/OFF	OFF	

VoIB Programming

VoIB Programming (PGM 340)/Gate Keeper Attributes (PGM 341)

You can program the VoIB configuration/GK Attributes with PC Admin.

Operation

1. Select the VoIB board number. If selected board number is not VOIB, the program will display error message. This menu is valid only for VOIB.
2. After selecting the board number, press the [Refresh] button. The first time, the whole data are the default value.

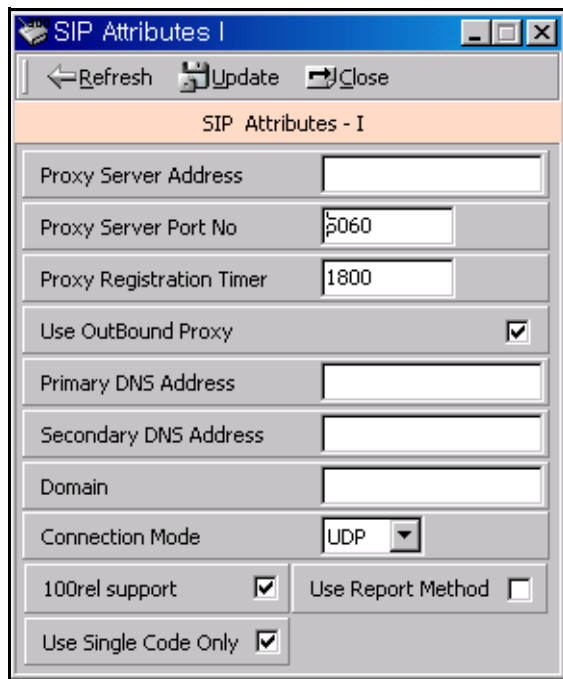
It is the same as Network Setting (PGM108) to enter the IP address, gateway address, subnet mask. For the correct value, you should ask the network administrator about this information.

You should ask the network administrator for the DNS address.

Trace password is 10 digits password for tracing data. Numeric value and characters are all available up to 10 digits.

3. To save the data, press the [Update] button.

SIP Attributes 1 & 2



The screenshot shows a window titled "SIP Attributes I" with a toolbar containing "Refresh", "Update", and "Close" buttons. Below the toolbar is a section header "SIP Attributes - I". The form contains the following fields and options:

- Proxy Server Address: [Empty text box]
- Proxy Server Port No: [5060]
- Proxy Registration Timer: [1800]
- Use OutBound Proxy: ☒
- Primary DNS Address: [Empty text box]
- Secondary DNS Address: [Empty text box]
- Domain: [Empty text box]
- Connection Mode: [UDP] (dropdown menu)
- 100rel support: ☒
- Use Report Method: ☐
- Use Single Code Only: ☒

Operation

A Proxy Server Address can be assigned text data or an IP address. The maximum length of this field is 32 characters. You must enter the proxy server address if you are using a proxy server in your SIP application.

A primary and secondary DNS address can be entered the same as a proxy server address. You can enter an IP address or text of up to 32 characters.

You can also leave these fields empty.

A User ID, Authentication User Name, and Authentication User password can be entered as text and numeric data. The maximum length of these fields is 64 characters.

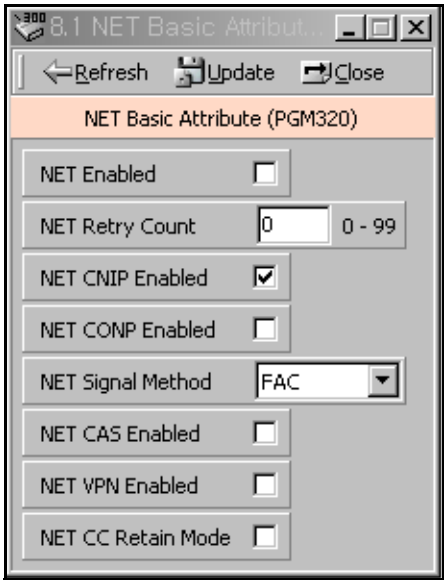
The type of Contact Number should be numeric. Otherwise, PCADM will display an error message.

An Authentication user Password Repeat is used to confirm the user password. If there is no user password, this field should be empty. If password exists, you should enter the same value in this repeat field.

Networking Programming

You can program for networking SBX IP 320 systems. The programming number range is from PGM 320 to PGM 324.

Networking Attributes (PGM 320/PGM321)



Networking Basic Attribute (PGM 320)				
BTN	ITEM	RANGE	DEFAULT	REMARK
1	Network Enable	ON/OFF	OFF	Enable Networking function
2	Network Retry Count	00-99	00	No need at direct connection between SBX IP 320 systems. This field is available at connection through the public network.
3	Network CNIP Enable	ON/OFF	ON	The name of the calling station is sent to the called system between SBX IP 320 systems. CNIP is displayed at called party stations display based on the programming.
4	Network CONP Enable	ON/OFF	OFF	Reserved
5	Network Signal Method	FAC/UUS	FAC	Select the information element type for QSIG supplementary service message.

Networking Basic Attribute (PGM 320)				
BTN	ITEM	RANGE	DEFAULT	REMARK
6	Net CAS Enable	ON/OFF	OFF	Enable Centralized attendant In master system, CAS should be disabled.
7	Net VPN Enable	ON/OFF	OFF	Enable the VPN function
8	Net CC Retain Mode	ON/OFF	OFF	--

Networking Supplementary Attribute (PGM 321)				
BTN	ITEM	RANGE	DEFAULT	REMARK
1	Networking Transfer Mode	RERT/JOIN	REROUT	Only Transfer by Rerouting is possible
2	TCP Port	0000-9999	9000	TCP port for BLF message
3	UDP Port	0000-9999	9001	UDP port for BLF message
4	BLF Manager IP Address	12 digits	0.0.0.0	IP Address of BLF manager for BLF service
5	Duration of BLF Status	01-20 sec	02	Duration of BLF status message
6	Multicast IP Address	12 digits	0.0.0.0	IP address of Multicast for BLF service
7	Net Trans Fault Recall Timer	001-300	010	Network transfer fault recall timer
8	VOIP Call Reroute CO Group	00-24	00	Used to set the CO group of gatekeeper.

Networking CO Line Attribute (PGM 322)

8.3 Networking CO Line Attr...

← Refresh ↻ Update ✕ Close

CO Line List

CO	CO Type
1	PSTN
2	PSTN
3	PSTN
4	PSTN
5	PSTN
6	PSTN
7	PSTN
8	PSTN
9	PSTN
10	PSTN
11	PSTN
12	PSTN
13	PSTN

Networking CO Line Attribute (PGM322)

Networking CO Group: 0 0 - 24

Networking CO Line Type: PSTN

Networking CO Line Attribute (PGM 322)				
BTN	ITEM	RANGE	DEFAULT	REMARK
1	Net CO Group	00-24	00	Networking CO group programming for Networking call
2	VOIB Mode	H.323/SIP	--	This admin program establishes which protocol is used among H.323 or SIP at each VOIP CO line
3	Gatekeeper Usage	ON/OFF	OFF	
4	Net CO Line Type	QSIG/PSTN	PSTN	
5	DTMF Mode	2 = INBAND DTMF 3 = RFC2833 DTMF 4 = Outband DTMF		This Admin program determines DTMF Mode at each VOIP CO line

Network Numbering Plan Table (PGM 324)

Network Numbering Plan Table (PGM 324)				
BTN	ITEM	RANGE	DEFAULT	REMARK
1	System Usage	NET/PSTN	NET	--
2	Net Numbering Code	16 digits	--	"*" means any digits can be inserted between 0-9. The digits followed by "#" is an internal station number.
3	Net Number CO Group	00-24	--	"00" means an internal net station number.
4	CPN or IP Information	16 digits	--	CPN for ISDN, IP address for VoIP A max of 4 VOIB IP addresses can be programmed.
5	Alternate Dial Bin	2000-2499	--	Alternate Dial Number (System Speed Bin) that the system uses when the networking path has a fatal problem.

Network Numbering Plan Table (PGM 324)				
BTN	ITEM	RANGE	DEFAULT	REMARK
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 a PSTN line directly, but connected by another networking system, set Digit Repeat to YES.
8	CO Add Code CLI	On/Off	Off	Use CO Attendant Code for CLI or use NET CLI.

RSG/IP Phone Programming

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

RSG/IP Phone Port Number Assignment (PGM 381)

The RSG/IP Phone receives call service through VOIB..

Then the VOIB for RSG/IP can be assigned.

If several boards are assigned, please assign the first VOIB slot on STA/COL Board in PGM 103

The screenshot shows two windows from the PCAdminPro software. The top window, titled "VOIB/Port Assignment For RSG/IP Ph...", contains a "VOIB Assignment for RSG/IP Phone(PGM380)" section. This section has a "Refresh" button, an "Update" button, and a "Close" button. Below these are two columns: "Installed VoiB" and "Slot NO". The "Installed VoiB" column has a list box with the number "6" selected. The "Slot NO" column has an empty list box. Between the columns are ">" and "<" buttons. To the right of the "Slot NO" column are "Up" and "Down" buttons. Below the list boxes are links for "Select VoiB Slot" and "Channel (0-8)". The bottom window, titled "RSG/IP Phone Port Setting(PGM381)", contains two rows of settings: "RSG Number" with a value of "8" and a range of "(0-8)", and "IP Phone Number" with a value of "0" and a range of "(00-16)".

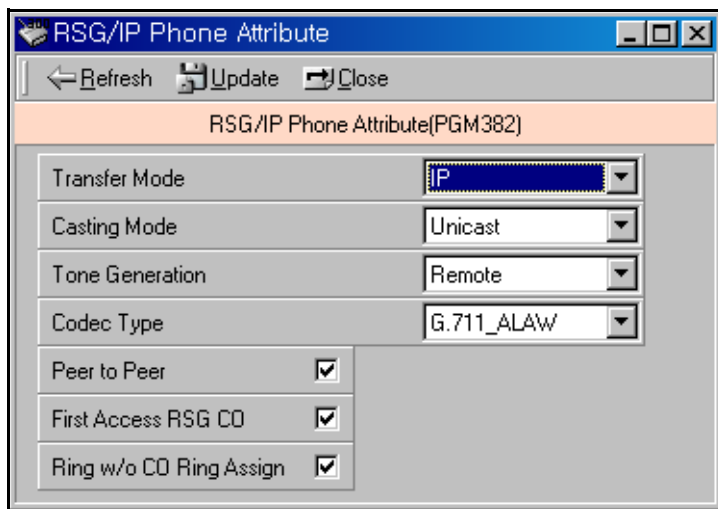
VOIB Slot Assignment for RSG/IP Phone (PGM 380)

BTN	ITEM	RANGE	DEFAULT	REMARK
1	VOIB Slot for RSG/IP Phone	--	--	VOIB slot assignment for RSG/IP Phone
2	RSG/IP Channel Assign	--	N/A	--

Port Number for RSG/IP Phone (PGM 381)				
BTN	ITEM	RANGE	DEFAULT	REMARK
1	RSG No	0-8	0	--
2	IP Phone Number	00-16	00	The IP Phone number to be serviced from the system.

RSG / IP Phone Attribute (PGM 382)

The following allows you to set the attributes of the RSG/IP Phone.



RSG/IP Phone Attributes (PGM 382)				
BTN	ITEM	RANGE	DEFAULT	REMARK
1	Transfer Mode	IP or MAC	IP	--
2	Casting Mode	Unicast or Multicast	Unicast	--
3	Tone Generation	Remote (RSG/IP Phone)	Remote	--
4	Peer to Peer	ON/OFF	ON	--

RSG/IP Phone Attributes (PGM 382)				
BTN	ITEM	RANGE	DEFAULT	REMARK
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	If the field is set, the station on RSG can access a CO line on his RSG by dialing the CO Line access code in the 1st available CO group (ex> 9).
7	Ring w/o CO Ring Assign	ON/OFF	ON	If the field is set, stations on RSG will receive the incoming CO ring even though the CO ring is not assigned.

IP Phone Attribute (PGM 386)

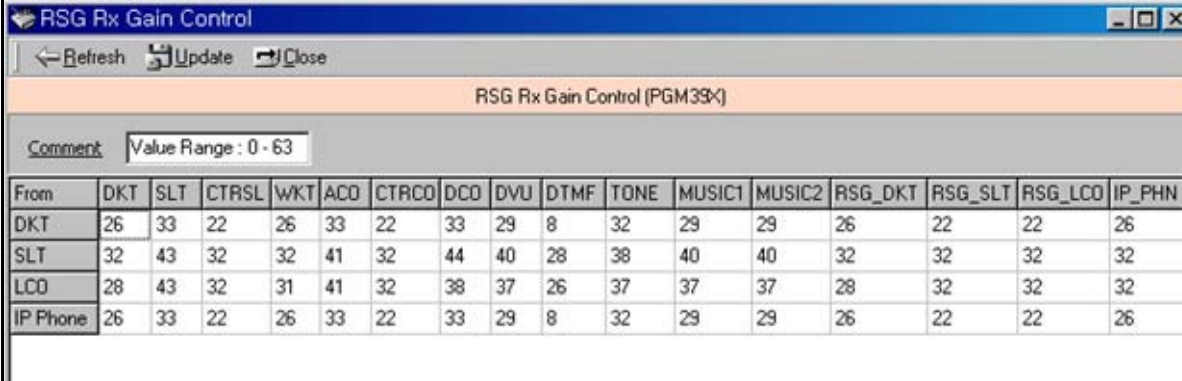
The following allows you to set the attributes of an IP Phone.

IP Phone Attributes (PGM 386)				
BTN	ITEM	RANGE	DEFAULT	REMARK
1	Set MAC Address	--	00.00.00.00.00.00	[*]: A / [#]: B [CB]: C / [MUTE]: D [DND]: E / [FLASH]: F
2	IP Address Display	--	0.0.0.0	Display Only
3	Port View	--	N/A	Display Only
4	Port Number	--	N/A	Display Only
5	NAT IP Address Display	--	0.0.0.0	Display Only
6	NAT Port Number	--	0	Display Only
7	Stun Enabled	--	None	Display Only
8	CTI IP Address (Skip: #)	--	0.0.0.0	--

IP Phone Attributes (PGM 386)				
BTN	ITEM	RANGE	DEFAULT	REMARK
9	IPSEC Usage	ON/OFF	OFF	--
10	Outside NAT Firewall	ON/OFF	OFF	--
11	User ID	Max of 12 characters		Can be used by Nomad SP user
12	User Password	Max of 12 characters		Can be used by Nomad SP user

RSG RX Gain Control (PGM 390/392/394/396)

The RX gain on the RSG can be adjusted.



The screenshot shows a software window titled "RSG Rx Gain Control". It has a menu bar with "Refresh", "Update", and "Close" buttons. Below the menu bar is a header "RSG Rx Gain Control (PGM39X)". A "Comment" field contains the text "Value Range : 0 - 63". The main area is a table with 17 columns: "From", "DKT", "SLT", "CTRSL", "WKT", "ACD", "CTRCD", "DCO", "DVU", "DTMF", "TONE", "MUSIC1", "MUSIC2", "RSG_DKT", "RSG_SLT", "RSG_LCO", and "IP_PHN". The table has four rows of data.

From	DKT	SLT	CTRSL	WKT	ACD	CTRCD	DCO	DVU	DTMF	TONE	MUSIC1	MUSIC2	RSG_DKT	RSG_SLT	RSG_LCO	IP_PHN
DKT	26	33	22	26	33	22	33	29	8	32	29	29	26	22	22	26
SLT	32	43	32	32	41	32	44	40	28	38	40	40	32	32	32	32
LCO	28	43	32	31	41	32	38	37	26	37	37	37	28	32	32	32
IP Phone	26	33	22	26	33	22	33	29	8	32	29	29	26	22	22	26

RSG TX Gain Control (PGM 391/393/395/397)

The TX gain on the RSG can be adjusted.

To	DKT	SLT	CTRSL	WKT	ACD	CTRCD	DCD	DVU
DKT	26	33	22	26	33	22	33	29
SLT	26	33	22	26	33	22	33	29
LCO	26	33	22	26	33	22	33	29
IP Phone	26	33	22	26	33	22	33	29

Nation Specific

You can control transfer sensitivity of another station or CO line for each kind of phone (PGM 400 to PGM 423). These values depend on Nation Specification.

DTIB Rx Gain Control (PGM 400)

SLIB Rx Gain Control (PGM 401)

SLIB12 Rx Gain Control (PGM 402)

WTIB Rx Gain Control (PGM 403)

ACOB Rx Gain Control (PGM 404)

ACOB8 Rx Gain Control (PGM 405)

DCOB Rx Gain Control (PGM 406)

VMIB Rx Gain Control (PGM 407)

DTRU Rx Gain Control (PGM 408)

EXT Page Rx Gain Control (PGM 409)

CPTU Rx Gain Control (PGM 410)

MODU Rx Gain Control (PGM 411)

ALL Rx Gain Control														
← Refresh ↻ Update ✕ Close														
ALL Rx Gain Control (PGM400-411)														
Comment	Value Range : 0 - 63													
From	DKT	SLT	CTRL	WKT	ACO	CTRCO	DCO	DVU	DTMF	TONE	MUSIC1	MUSIC2	MUSIC3	MODEM
DTIB	26	33	22	26	33	22	33	29	8	32	29	29	29	/
SLIB	12	23	12	12	21	12	24	20	8	18	20	20	20	/
SLIB12	32	43	32	32	41	32	44	40	28	38	40	40	40	/
WTIB	26	33	22	26	38	29	33	29	8	37	29	29	29	/
ACOB	26	37	27	26	36	27	33	32	32	32	32	32	32	37
ACOB8	28	43	32	31	41	32	38	37	37	37	37	37	37	44
DCOB	26	37	26	26	24	15	32	32	32	32	32	32	32	37
VMIB	21	32	21	26	32	23	32	/	/	/	32	32	/	/
DTMF	/	28	17	/	24	15	24	/	/	/	/	/	/	/
EXT_PAGE	26	37	26	26	37	28	37	37	/	/	37	37	37	/
CPT	/	/	/	/	24	15	24	/	/	/	/	/	/	/
MODEM	/	/	/	/	24	20	24	/	/	/	/	/	/	/

Other Gain Table (PGM 412-418, PGM 424)

Other Gain Table

Refresh

Update

Close

Other Gain Table (PGM412-417)

Comment

Value Range : 0 - 63

SAF SLIB RX Gain

From	Short ACO	Long ACO
Short_SLIB	11	12
Long_SLIB	13	14
Far_SLIB	15	16

SAF ACOB RX Gain

From	Short_SLIB	Long_SLIB	Far_SLIB	DKT
Short ACO	22	23	24	7
Long ACO	26	27	10	32

DCO/R2 Gain

DCO/ R2

12

R2/DCO

4

DTIB ACO RX GAIN

DTIB/S_ACO

25

DTIB/L_ACO

1

System Tone Frequency (PGM 420)

User entered frequency (dial tone, ring back tone, error tone, busy tone, dummy dial tone) may be changed to the closest system frequency provided.

System Tone Frequency

← Refresh

Update

Close

System Tone Frequency (PGM420)

Dial Tone T1

425HZ

Dial Tone T2

0HZ

Ring Back Tone T1

425HZ

Ring Back Tone T2

0HZ

Busy Tone T1

425HZ

Busy Tone T2

0HZ

Error Tone T1

620HZ

Error Tone T2

0HZ

Dummy Dial Tone T1

350HZ

Dummy Dial Tone T2

440HZ

System Tone Frequency (PGM 420)			
ITEM	RANGE	DEFAULT	REMARK
Dial Tone	0000-9999	T1: -- T2: --	Nation Specific
Ring Back Tone	0000-9999	T1: -- T2: --	Nation Specific
Busy Tone	0000-9999	T1: -- T2: --	Nation Specific
Error Tone	0000-9999	T1: -- T2: --	Nation Specific
Dummy Dial Tone	0000-9999	T1: -- T2: --	Nation Specific

Differential Ring Frequency (PGM 421)

User entered frequency may be changed to the closest system frequency provided.

Differential Ring Frequency (PGM 421)			
ITEM	RANGE	DEFAULT	REMARK
Ring 1	0000-9999	T1: -- T2: --	Nation Specific
Ring 2	0000-9999	T1: -- T2: --	Nation Specific
Ring 3	0000-9999	T1: -- T2: --	Nation Specific
Ring 4	0000-9999	T1: -- T2: --	Nation Specific

Distinct CO Ring Frequency (PGM 422)

User entered frequency may be changed to the closest system frequency provided.

Distinct Ring Freque...

← Refresh

Update

Close

Distinct Ring Frequency (PGM 422)

Ring 1 T1

480HZ

Ring 1 T2

0HZ

Ring 2 T1

400HZ

Ring 2 T2

0HZ

Ring 3 T1

620HZ

Ring 3 T2

0HZ

Ring 4 T1

770HZ

Ring 4 T2

0HZ

Distinct Ring Frequency (PGM 422)			
ITEM	RANGE	DEFAULT	REMARK
Ring 1	0000-9999	T1: -- T2: --	Nation Specific
Ring 2	0000-9999	T1: -- T2: --	Nation Specific
Ring 3	0000-9999	T1: -- T2: --	Nation Specific
Ring 4	0000-9999	T1: -- T2: --	Nation Specific

ACNR Tone Cadence (PGM 423)

User entered frequency may be changed to the closest system frequency provided

ACNR Tone Frequency (PGM423)		
Ring Back Tone T1 / ON	50	0 - 255
Ring Back Tone T2 / OFF	100	0 - 255
Busy Tone T1 / ON	25	0 - 255
Busy Tone T2 / OFF	25	0 - 255
Error Tone T1 / ON	12	0 - 255
Error Tone T2 / OFF	12	0 - 255
S-Dial Tone T1 / ON	70	0 - 255
S-Dial Tone T2 / OFF	0	0 - 255

ACNR Tone Cadence (PGM 423)			
ITEM	RANGE	DEFAULT	REMARK
Ring-Back Tone	000-255	ON: 100 / OFF: 200	20ms base
Busy Tone	000-255	ON: 025 / OFF: 025	20ms base
Error Tone	000-255	ON: 012 / OFF: 012	20ms base
S-Dial Tone	000-255	ON: 150 / OFF: 000	20ms base

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