
SL1100

Programming Manual

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Memo

Introduction

SECTION 1 BEFORE YOU START PROGRAMMING



Before customizing your system be sure to read this chapter first.



This chapter provides you with detailed information about the system programs. By changing a program, you change the way the feature associated with that program works. In this chapter, you find out about each program, the features that the program affects and how to enter the program data into system memory.

This Manual is created for System : SL1100

SECTION 2 HOW TO USE THIS MANUAL

This section lists each program in numerical order. For example, Program 10-01 is at the beginning of the section and Program 92-01 is at the end. The information on each program is subdivided into the following headings :

Description describes what the program options control. The Default Settings for each program are also included. When you first install the system, it uses the Default Setting for all programs. Along with the Description are the **Conditions** which describe any limits or special considerations that may apply to the program.

The program access level is just above the Description heading. You can only use the program if your access level meets or exceeds the level the program requires. Refer to HOW TO ENTER PROGRAMMING MODE for a list of the system access levels and passwords.

Feature Cross Reference provides you with a table of all the features affected by the program. You will want to keep the referenced features in mind when you change a program. Customizing a feature may have an effect on another feature that you did not intend.

Telephone Programming Instructions shows how to enter the program data into system memory. For example :

1. Enter the programming mode.
2. 15-07-01

15-07-01	TEL
KY01 = *01	
←	- + →

tells you to enter the programming mode, dial 150701 from the telephone dial pad. After you do, you will see the message “15-07-01 TEL” on the first line of the telephone display. This indicates the program number (15-07), item number (01), and that the options are being set for the extension. The second row of the display “KY01 = *01” indicates that Key 01 is being programmed with the entry of *01. The third row allows you to move the cursor to the left or right, depending on which arrow is pressed. To learn how to enter the programming mode, refer to HOW TO ENTER PROGRAMMING MODE.

SECTION 3 HOW TO ENTER PROGRAMMING MODE

To enter programming mode :

1. Go to any working display telephone.



In a newly installed system, use extension (port 1).

2. Do not lift the handset.
3. Press **Speaker**.
4. # * # *.

Password

5. Dial the system password + **Hold**.

Refer to the following table for the default system passwords. To change the passwords, use 90-02 : Programming Password Setup.

Program Mode
Base Service OP1 OP2

Password	User Name	Level	Programs at this Level
*****	nec-i	1 (MF)	Manufacture Level (MF) : 80-02, 81-04, 81-05, 82-05, 82-08
12345678	tech	2 (IN)	Installation (IN) : All programs in this section not listed for MF, SA, & SB
0000	admin1	3 (SA)	System Administrator - Level 1 (SA) : 10-01, 10-02, 10-12, 10-13, 10-14, 10-15, 10-16, 10-17, 10-18, 10-23, 10-24, 10-25, 10-28, 10-29, 10-45, 12-02, 12-03, 12-04, 12-08, 15-01, 15-07, 15-09, 15-10, 15-11, 20-16, 20-34, 21-07, 21-14, 22-04, 22-11, 22-17, 25-08, 30-03, 30-04, 32-02, 45-02, 84-22, 90-03, 90-04, 90-06, 90-07, 90-19, 90-57, 90-58, 90-59, 90-65
9999	admin2	4 (SB)	System Administrator - Level 2 (SB) : 13-04, 13-05, 13-06, 13-11, 15-14, 21-20

SECTION 4 HOW TO EXIT PROGRAMMING MODE

To-exit the programming mode :

When you are done programming, you must be out of a program option to exit (pressing the **Mute** key will exit the program option).

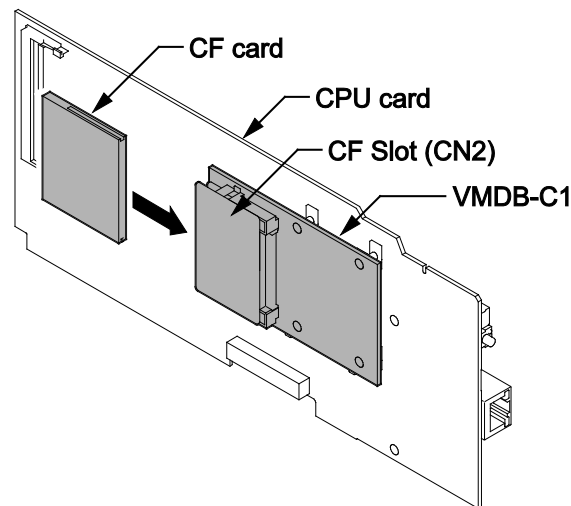
1. Press **Mute** key to exit the program options, if needed.

Program Mode
Base Service OP1 OP2

2. Press **Speaker**. If changes were to the system programming, "Saving System Data" is displayed.
3. The display shows "Complete Data Save" when completed and exits the telephone to an idle mode.



To save a customer's database, a blank Compact Flash (CF) Card is required. Insert the CF Card into the CPU and, using Program 90-03, save the software to the CF Card. (Program 90-04 is used to reload the customer data if necessary.) Note that a CF Card can only hold one customer database. Each database to be saved requires a separate drive.



SECTION 5 USING KEYS TO MOVE AROUND IN THE PROGRAMS

Once you enter the programming mode, use the keys in the following chart to enter data, edit data and move around in the menus.

Table 1-1 Keys for Entering Data

When you want to ...	Telephone Programming
Enter Data into program	0 ~ 9, *, # Line Key (1 ~ 6)
Next Index	Cursor Key (Up)
Prior Index	Cursor Key (Down)
Select Data	Line Key (1 ~ 6)
All Clear	Flash
Register	Hold Enter
Go Back to Prior Screen	Mute Clear / Back
Move Cursor Jump Up/Down	DND
Delete single character	Clear / Back
Next Page	Help
Toggle between Number/Character	
While in a Entering Number	
Prior Page	Transfer
Quit the programming	Speaker Exit
Move Cursor to Left	Cursor Key (Left) Soft Key1
Change Program Number	Soft Key2
Change Index Number	
Change Program Number	Soft Key3
Change Index Number	
Move Cursor to Right	Cursor Key (Right) Soft Key4

SECTION 6 PROGRAMMING NAMES AND TEXT MESSAGES

Several programs (e.g., Program 20-16 : Selectable Display Messages) require you to enter text. Use the following chart when entering and editing text. When using the keypad digits, press the key once for the first character, twice for the second character, etc. For example, to enter a C, press the key **2** three times. Press the key six times to display the lower case letter. The name can be up to 12 digits long.

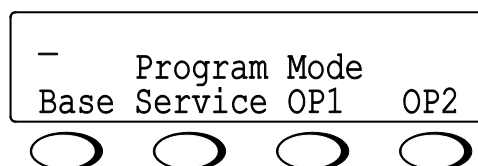
Table 1-2 Keys for Entering Names

Use this keypad digit ...	When you want to ...
1	Enter characters : 1 @ [¥] ^ _ ` { } → ← Å Ä Å Å Å Æ Ç È É Ì Ó 0
2	Enter characters : A-C, a-c, 2.
3	Enter characters : D-F, d-f, 3.
4	Enter characters : G-I, g-i, 4.
5	Enter characters : J-L, j-l, 5.

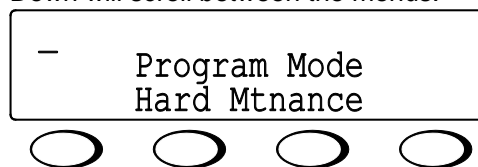
Use this keypad digit ...	When you want to ...
6	Enter characters : M-O, m-o, 6.
7	Enter characters : P-S, p-s, 7.
8	Enter characters : T-V, t-v, 8.
9	Enter characters : W-Z, w-z, 9.
0	Enter characters : 0 ! " # \$ % & ' () ô õ ú á ä æ ö ü α ε θ B
*	Enter characters : * + , - . / : ; < = > ? π Σ σ Ω ∞ ç £
#	# = Accepts an entry (only required if two letters on the same key are needed - ex : TOM). Pressing # again = Space. (In system programming mode, use the right arrow Softkey instead to accept and/or add a space.)
Clear/Back	Clear the character entry one character at a time.
Flash	Clear all the entries from the point of the flashing cursor and to the right.

SECTION 7 USING SOFTKEYS FOR PROGRAMMING

Each Display telephone with Softkeys provides interactive Softkeys for intuitive feature access. The options for these keys will automatically change depending on where you are in the system programming. Simply press the Softkey located below the option you wish and the display will change accordingly.



Pressing the Cursor key Up or Down will scroll between the menus.



SECTION 8 WHAT THE SOFTKEY DISPLAY PROMPTS MEAN

When using a display telephone in programming mode, various Softkey options are displayed. These keys will allow you to easily select, scan, or move through the programs.

Table 1-3 Softkey Display Prompts

Softkey Display Prompts	
If you press this Softkey ...	The system will ...
back	Go back one step in the program display. You can press Cursor Key (UP) or Cursor Key (Down) to scroll forward or backward through a list of programs.
↑	Scroll down through the available programs.
↓	Scroll up through the available programs.
select	Select the currently displayed program.
←	Move the cursor to the left.
→	Move the cursor to the right.
- 1	Move back through the available program options.
+ 1	Move forward through the available program options.

SECTION 9 SYSTEM NUMBER PLAN/CAPACITIES



The following table provides the capacities for the SL1100 system.

Table 1-4 System Number Plan/Capacities

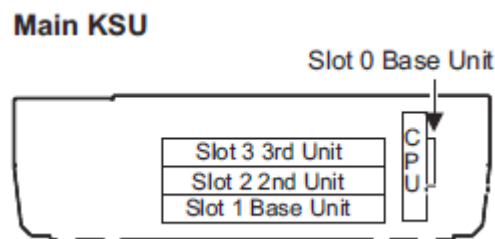
System Number Plan/Capacities			Note
System Type	Number Plan/Capacities	Related Program	
System			
Analog Caller ID Detector (detected by DSP)	32 channels / Main KSU		

System Number Plan/Capacities			Note
Classes of Service	15	20-06	
Day/Night Mode Numbers	8	12-07	
Day/Night Service Patterns	4	12-07	
Dial Tone Detector DTMF Receiver	32 / Main KSU		
Toll Restriction Classes	15		
Verifiable Account Code Table	800	35-06	
Trunk			
Trunk Port Number	38 / Main KSU		
Trunk Ports (Total) :	38 / Main KSU		
• Analog Trunks	12 / Main KSU		
• BRI Trunk Ports	12 / Main KSU		
• T1/PRI Trunk Ports	30 / Main KSU		
• VoIPDB Trunk Ports (VoIPDB & MEMDB is required. Need license to be Max.)	16		
DID Translation Tables	20	22-10	
DID Translation Table Entries	800	22-10	
DISA :			
• Classes of Service	15	20-14	
• Users	15	25-09	
Ring Groups	25	22-04	
Trunk Access Maps	96	14-07	
Trunk Group Numbers	25	14-05	
Trunk Routes	25	14-06	
Extension			
Telephone Extension Ports	40 / Main KSU		
• Multiline Terminals	24 / Main KSU		
• Single Line Phones/Analog Devices	20 / Main KSU		
• VoIPDB Extensions (SIP-MLT/Std) (VoIPDB & MEMDB is required. Need license to be Max. (SIP-Std))	16 / Main KSU		
Digital Extension Ports	01 ~ 08		
• Physical Ports			
Telephone Extension Number Range	1 ~ 89999999* (*Extension cannot start with 0 or 9)		
Virtual Extension Ports	50	11-04	
Virtual Extension Number Range	1 ~ 89999999* (*Extension cannot start with 0 or 9)	11-04	
Door Boxes	6	32-02	
Door Box Numbers	1 ~ 6	32-02	
DSS Consoles Numbers :	12	30-01	
• 60 Button DSS Console			
Operator Access Number	0 (Default)		
Operator Extension	15		
Speed Dialing			
Speed Dialing Groups	32	13-02	
Speed Dialing Bins	0 ~ 999	13-02	
Speed Dialing Table-Common	900	13-01-03	
Automated Attendant			
VRS Message Numbers	1 ~ 100	25-06	
Conference			
Conference Circuits	32 : maximum (16 Parties Per Conference)		
Department and Pickup Groups			
Department (Extension) Group Numbers	1 ~ 32	16-01	
Call Pickup Group Numbers	1 ~ 32	23-02	
Hotline			
Internal Hotline	40 / Main KSU		
External Hotline	40 / Main KSU		
Paging and Park			
Internal Page Group Numbers	0, 01 ~ 32	31-02	
External Page Group Numbers	1 ~ 3	31-04	
External Speakers	1 / Main KSU	31-04	
Park Group Numbers	1 ~ 64	24-03	

System Number Plan/Capacities			Note
Park Orbits	1 ~ 64	24-03	
SMDR			
SMDR Ports	1 ~ 2	35-03	
VRS/VM InMail			
VRS/VM InMail	1		
VRS/VM Ports (Need license and MEMDB)	16		
VRS Port (Need MEMDB)	16		
VRS Attendant Messages	3		
VRS Recordable Messages	100	40-10-02	
VRS Ports	16		
VoIPDB			
RTP Ports	0 ~ 65534		
RTCP Ports	0 ~ 65535		
DSP Resources	16		
Passwords			
Programming Passwords :			
Level 1 (MF)	*****		
PCPro/WebPro User Name :	nec-i		
Level 2 (IN)	12345678		
PCPro/WebPro User Name :	tech		
Level 3 (SA)	0000		
PCPro/WebPro User Name :	admin1		
Level 4 (SB)	9999		
PCPro/WebPro User Name :	admin2		
Programming Password Users	8		
Extension numbers can be one to eight digits long. Refer to the Flexible System Numbering feature in the SL1100 Features and Specifications Manual.			

SECTION 10 CONCEPT OF SLOT NUMBER

Each unit installed to the system has a slot number assigned. Some of slot number are fixed to a unit that be installed. Other slots are not fixed to unit but fixed to location where it is installed. Below chart shows the slot and its number :



Programming the SL1100

SECTION 1 PROGRAMMING YOUR SYSTEM

The information contained in this chapter provides the information necessary to properly program your system.

The programming blocks are organized into the following programming modes.

Program Number : Program Name
Program 10 : System Configuration Setup
Program 11 : System Numbering
Program 12 : Night Mode Setup
Program 13 : Abbreviated Dialing
Program 14 : Trunk, Basic Setup
Program 15 : Extension, Basic Setup
Program 16 : Department Group Setup
Program 20 : System Option Setup
Program 21 : Outgoing Call Setup
Program 22 : Incoming Call Setup
Program 23 : Answer Features Setup
Program 24 : Hold/Transfer Setup
Program 25 : VRS/DISA Setup
Program 26 : ARS Service & Least Cost Routing
Program 30 : DSS/DLS Console Setup
Program 31 : Paging Setup
Program 32 : Door Box and Sensor Setup
Program 34 : Tie Line Setup
Program 35 : SMDR Account Code Setup
Program 40 : Voice Recording System
Program 42 : Hotel Setup
Program 44 : ARS/F-Route Setup
Program 45 : Voice Mail Integration
Program 47 : InMail
Program 80 : Basic Hardware Setup for System
Program 81 : Basic Hardware Setup for Trunk
Program 82 : Basic Hardware Setup for Extension
Program 84 : Hardware Setup for VoIPDB
Program 90 : Maintenance Program
Program 92 : Copy Program

Program 10 : System Configuration Setup

10-01 : Time and Date

Level

SA

Program

10

Description

Use **Program 10-01 : Time and Date** to change the system Time and Date through system programming. Extension users can also dial Service Code 728 to change the time if allowed by an extension Class of Service.

Input Data

Item No.	Item	Input Data	Description	Default
01	Year	07 ~ 96	Enter 2 digits for year (07 ~ 96).	No Setting
02	Month	01 ~ 12	Enter 2 digits (01 ~ 12) for the month.	No Setting
03	Day	01 ~ 31	Enter 2 digits (01 ~ 31) for the day.	No Setting
04	Week	1 ~ 7 (Sun ~ Sat)	Enter digit for the day of the week (1 = Sunday, 7 = Saturday).	No Setting
05	Hour	00 ~ 23	Enter 2 digits for the hour (00 ~ 23).	No Setting
06	Minute	00 ~ 59	Enter 2 digits for the minute (00 ~ 59).	No Setting
07	Second	00 ~ 59	Enter 2 digits for the second (00 ~ 59).	No Setting

Conditions

None

Feature Cross Reference

- Clock/Calendar Display/Time and Date

Program 10 : System Configuration Setup

10-02 : Location Setup

Level
SA

Description

Use **Program 10-02 : Location Setup** to define the location of the installed system.

Input Data

Item No.	Item	Input Data	Description	Default
01	Country Code	Dial (up to four digits) : 0 ~ 9, *, #	Enter the country code.	61
02	International Access Code	Dial (up to four digits) : 0 ~ 9, *, #	Enter the international access code.	00
03	Other Area Access Code	Dial (up to two digits) : 0 ~ 9, *, #	Enter the other area access code.	0
04	Area Code	Dial (up to six digits) : 0 ~ 9, *, #	Enter the local area code.	No Setting
05	Trunk Access Code	Dial (up to eight digits) : 0 ~ 9, *, #	Enter the trunk access code digits required to place an outgoing call.	No Setting

Conditions

None

Feature Cross Reference

None

Program

10

Program 10 : System Configuration Setup

10-03 : ETU Setup

Level
IN

Program

10

Description

Use **Program 10-03 : ETU Setup** to setup and confirm the Basic Configuration data for each unit. When changing a defined terminal type, first set the type to 0 and then plug the new device in to have the system automatically define it or you may have to reset the unit.




The items highlighted in gray are read only and cannot be changed.

Input Data

Slot No.	00 ~ 09
----------	---------

For ESIU PKG Setup

Physical Port Number	01 ~ 08
----------------------	---------

Item No.	Item	Input Data	Default
01	Terminal Type (B1)	0 = No setting 1 = Multi-Line Telephone 10 = DSS Console	0
02	Logical Port Number	0 = No setting 1 = Multi-Line Telephone (1 ~ 72) 10 = DSS Console (1 ~ 12)	0
10	Bottom option information	0 = None 4 = WHA	0
12	Multi-Line Telephone Line	0 = None 12 = 12 Line 24 = 24 Line	0
	 This program can only be change by using PC Programming.		

For SLIU PKG Setup

Physical Port Number	01 ~ 08
----------------------	---------

Item No.	Item	Input Data	Default
01	Logical Port Number	0 ~ 120	0
03	Transmit Gain Level (S-Level)	1 ~ 63 (- 15.5 ~ + 15.5 dB)	32 (0 dB)
04	Receive Gain Level (R-Level)	1 ~ 63 (- 15.5 ~ + 15.5 dB)	32 (0 dB)
05	Select port type	0 = SLT 1 = Door Phone	0

For COIU Unit Setup



Physical Port Number	1 ~ 4
----------------------	-------

Item No.	Item	Input Data	Default	Note
01	Logical Port Number	1 ~ 36	0	

For BRIU PKG Setup

ISDN Line Number	01 ~ 02
------------------	---------



Item No.	Item	Input Data	Default	Note
----------	------	------------	---------	------

Item No.	Item	Input Data	Default	Note
01	ISDN Line Mode	0 = No setting 1 = T-Point 2 = S-Point 6 = S-Point (Leased Line)	1	
02	Logical Port Number  <i>The start port number of a BRI line is displayed. Two logic ports are automatically assigned to a BRI line.</i>	[0 : No setting] = 0 [1 : T-Point] = 1 ~ 096 [2 : S-Point] = 1 ~ 120 [6 : S-Point (Leased Line)] = 1 ~ 120	0	
03	Connection Type	0 = Point-to-Multipoint 1 = Point-to-Point	0	
04	Layer 3 Timer Type  <i>Each timer value of Layer 3 is set up for each type in Program 81-06 (T-Bus)</i>	1 ~ 5	1	
05	CLIP Information Based on this setting, the system includes a Presentation Allowed (1) or Presentation Restricted (0) in the Setup message to allow or deny the Calling Party Number. Program 15-01-04 must also be set to 1 if this option is enabled.	0 = No 1 = Yes	1	
06	Connection Bus Mode	0 = Extended passive bus 1 = Short passive bus	0	
07	S-point DDI digits	0 - 4	0	
08	Dial Sending Mode ISDN Protocol definition	0 = Enbloc Sending 1 = Overlap Sending	1	
09	Dial Information Element ISDN Protocol definition Only when Dial Sending Mode (10-03-08) is set for 1 (Overlap Sending).	0 = Keypad Facility 1 = Called Party Number	1	
14	Service Protocol for S-point	0 = Keypad facility 1 = Specified Protocol for Aspire system	0	
15	Call Busy Mode for S-point	0 = Alerting 1 = Disconnect	0	
17	ISDN Line Ringback Tone System can provide ringback tone, if set to 1 : Enable.	0 = Disable 1 = Enable	0	
18	Type of Number ISDN Protocol definition.	0 = Unknown 1 = International number 2 = National number 3 = Network Specific number 4 = Subscriber number 5 = Abbreviated number	0	
19	Numbering Plan Identification ISDN Protocol definition.	0 = Unknown 1 = ISDN numbering plan 2 = Data numbering plan 3 = Telex numbering plan 4 = National standard numbering plan 5 = Private numbering plan	0	
24	Power feeding for S-point	0 = Disable 1 = Enable	0	

For PRIU PKG Setup

ISDN Line Number	01 ~ 30
-------------------------	----------------

Item No.	Item	Input Data	Default	Note
01	ISDN Line Mode	0 = No setting 1 = T-Point 2 = S-Point 6 = S-Point (Leased Line)	1	

Item No.	Item	Input Data	Default	Note
02	Logical Port Number  The start port number of a PRI line is displayed.	[0 : No setting] = 0 [1 : T-Point] = 1 ~ 96 [2 : S-Point] = 1 ~ 120 [6 : S-Point (Leased Line)] = 1 ~ 120	0	
03	CRC Multi-frame (CRC4) (Only for 2M = 30ch Mode)	0 = off 1 = on	1	
04	Layer 3 Timer Type  Each timer value of Layer 3 is set up for each type in Program 81-06 (T-Bus)	1 ~ 5	1	
05	CLIP Information Based on this setting, the system includes a Presentation Allowed (1) or Presentation Restricted (0) in the Setup message to allow or deny the Calling Party Number. Program 15-01-04 must also be set to 1 if this option is enabled.	0 = No 1 = Yes	1	
06	Length of Cable	0 = Level 1 1 = Level 2 2 = Level 3 3 = Level 4 4 = Level 5	2	
07	S-point DDI digits	0 - 4	0	
08	Dial Sending Mode ISDN Protocol definition	0 = Enbloc Sending 1 = Overlap Sending	1	
09	Dial Information Element ISDN Protocol definition Only when Dial Sending Mode (10-03-08) is set for 1 (Overlap Sending).	0 = Keypad Facility 1 = Called Party Number	1	
13	Loss-Of-Signal Detection Limit If the transmit/receive voltage is less than the setting in 10-03-13, the system considers this as Loss-Of-Signal and the PRI does not come up. Note that there are different values based on the setting in 10-03-12 for the PRI.	0 = Level 0 (lowest sensitivity) 1 = Level 1 2 = Level 2 3 = Level 3 4 = Level 4 5 = Level 5 6 = Level 6 7 = Level 7 (highest sensitivity)	2	
14	Service Protocol for S-point	0 = Keypad facility 1 = Specified Protocol for Aspire system	0	
15	Call Busy Mode for S-point	0 = Alerting 1 = Disconnect	0	
16	Two B-Channel Transfer for PRI Service	0 = off 1 = on	0	
17	ISDN Ringback Tone System can provide ringback tone, by setting 10-03-17 is set to 1 : Enable.	0 = Disable 1 = Enable	0	
18	Type of Number ISDN Protocol definition. Select the number type for the ISDN circuit.	0 = Unknown 1 = International number 2 = National number 3 = Network Specific number 4 = Subscriber number 5 = Abbreviated number	0	
19	Numbering Plan Identification ISDN Protocol definition. Select the Numbering Plan used for the ISDN circuit.	0 = Unknown 1 = ISDN numbering plan 2 = Data numbering plan 3 = Telex numbering plan 4 = National standard numbering plan 5 = Private numbering plan	0	
20	Network Exchange Selection Select the ISDN protocol for the ISDN circuit	0 = Standard (same as NI-2) 1 = reserved 2 = reserved 3 = DMS (A211) 4 = 5ESS 5 = DMS (A233) 6 = 4ESS 7 = NI-2	0	

Item No.	Item	Input Data	Default	Note
21	Number of Ports	0 = Auto 1 = 4 Ports 2 = 8 Ports 3 = 12 Ports 4 = 16 Ports 5 = 20 Ports 6 = 24 Ports 7 = 28 Ports	0	

For E1 PKG Setup

Physical Port Number	01 ~ 30
----------------------	---------

Item No.	Item	Input Data	Default
01	Logical Port Number	1 ~ 126 (SL1000) 1 ~ 96 (SL1100)	0
02	Number of channels	0 ~ 30	0
04	E1 Clock Source	0 = Internal 1 = External	1
05	Transmit Pulse Mask	0 = 01 to 133 feet 1 = 133 to 266 feet 2 = 266 to 399 feet 3 = 399 to 533 feet 4 = 533 to 655 feet	0
06	Frame Type	0 = Double Frame (no CRC-4) 1 = Multiframe Structure (CRC-4)	0
07	Line Coding	0 = AMI 1 = HDB3	1
10	Receive Input Threshold	0 = 0.91/1.70 V 1 = 0.74/0.84 V 2 = 0.59/0.84 V 3 = 0.42/0.45 V 4 = 0.32/0.45 V 5 = 0.21/0.20 V 6 = 0.16/0.10 V 7 = 0.10/not defined	2

For VoIPDB PKG Setup

Physical Port Number	01 ~ 32
----------------------	---------

Item No.	Item	Input Data	Default
01	Trunk Logical Port Number	1 ~ 96	0
02	Trunk Type	0 = H.323 1 = SIP	1

Conditions

- When changing a defined terminal type, first set the type to 0 and then plug the new device in to have the system automatically define it, or redefine the type manually.
- The system must have a unit installed to view/change the options for that type of unit.

Feature Cross Reference

None

Program 10 : System Configuration Setup

10-04 : Music On Hold Setup

Level

IN

Program

10

Description

Use **Program 10-04 : Music on Hold Setup** to set the Music on Hold (MOH) source. For internal Music on Hold, the system can provide a service tone callers on hold or one of eleven synthesized selections.

Input Data

Item No.	Item	Input Data	Description	Default
01	Music on Hold Source Selection	0 = Internal MOH 1 = External MOH 2 = Service Tone 3 = VMDB	<ul style="list-style-type: none"> Internal Music Tune - The tune is set by Program 10-04-02. External Source - ACI input via audio connector (J421) (Program10-60-01). Silence - Callers on hold hear silence. 	0
02	Music on Hold Tone Selection	[In case Item 1 is 0.] 1 = Download File1 2 = Download File2 3 = Download File3 [In case Item 1 is 1, 2, or 3.] 1 ~ 100 = VRS Message Number	Download File1 : Farewell Song (by Chopin) Download File2 : Die Forelle (by F. Schubert) Download File3 : Plaisir d'amour (by J.P.E.Martini)	1
03	Audio Gain Setup	1 ~ 63 (- 15.5 ~ + 15.5 dB)		32 (0 dB)

Conditions

None

Feature Cross Reference

- Background Music
- Music on Hold

Program 10 : System Configuration Setup

10-06 : ISDN BRI Setup

Level
IN

Description

Use **Program 10-06 : ISDN BRI Setup** define the TE1 selection and DID mode for DID callers when the BRI feature is used.

Input Data

Slot No.	01 ~ 09
----------	---------

ISDN Line No.	01 ~ 04
---------------	---------

Item No.	Item	Input Data	Default
01	TEI selection	0 = Select by SPID number 1 = Select by Channel ID number	0
02	DID mode	0 = Route by Called Party Number 1 = Route by Redirecting Number	0
03	SPID1	Maximum 20 digits	No Setting
04	SPID2	Maximum 20 digits	No Setting

Conditions

None

Feature Cross Reference

None

Program

10

Program 10 : System Configuration Setup

10-07 : Conversation Recording Resource

Level

IN

Program

10

Description

Use **Program 10-07 : Conversation Record Resource** to select the number of Conference circuits to be used for Conversation Recording.



Even if this program is set to '0', the telephone conversation recording function can be used.

In this case, 32 (16 x 2) circuits will be shared by conference recording and conversation recording. The number of the conference circuits occupied by a conversation recording is two.

Input Data

Item No.	Item	Input Data	Default
01	The number of Conversation Recording	0 ~ 16 (0 = No setting, 1 ~ 16 = 2 ~ 32 Conference Resource)	0

Conditions

None

Feature Cross Reference

- Conference

Program 10 : System Configuration Setup

10-08 : Pre-Ringing Setup

Level
IN

Description

Use **Program 10-08 : Pre-Ringing Setup** to enable or disable pre-ringing for trunk calls. This sets how a trunk initially rings a telephone. With pre-ringing, a burst of ringing occurs as soon as the trunk LED flashes. The call then continues ringing with the normal ring cadence cycle. Without pre-ringing, the call starts ringing only when the normal ring cadence cycle occurs. This may cause a ring delay, depending on when call detection occurs in reference to the ring cycle.

Input Data

Item No.	Item	Input Data	Default
01	Pre-Ringing	0 = No 1 = Yes	0

Conditions

- Used with Analog Trunks only.

Feature Cross Reference

- Central Office Calls, Answering

Program

10

Program 10 : System Configuration Setup

10-09 : DTMF and Dial Tone Circuit Setup

Level

IN

Program

10

Description

Use **Program 10-09 : DTMF and Dial Tone Circuit Setup** to allocate the circuits on the CPU for either DTMF receiving or dial tone detection. The CPU has 16 circuits initially, and an additional 16 circuits are added when a VMDB is installed. By Adding EXIFE system can have up to 96. These are used as follows:

- Extension: DTMF receiver for single line telephone
- Trunk: DTMF receiver for analog trunks, dial tone & busy tone detection for analog trunks

Input Data

Circuit/Resource Number		01 ~ 96	
Item No.	Item	Input Data	Default
01	DTMF Dial Tone Detection	0 = Common Use 1 = Extension Only 2 = Trunk Only	Resource 01 - 96 = 0 (Common) Resource 01 - 16 are Basic resource (only use Basic Board) Resource 17 - 32 are vmdb resource (only use Basic Board)

Conditions

- CPU has 16 Channel DSP resources (receivers) only for basic CPU Unit. VMDB has additional 16 DSP resources which you can add to CPU.
- In case of 0 (= Common) is selected, and if 14-02-10 (Caller ID receive ability) is set to "Yes", DSP resources are always allocated to analog trunk only, not for analog extension. If 14-02-10 is set to "No", the DSP resources can be used for both analog trunk and analog extension commonly.

Feature Cross Reference

- Caller ID
- Central Office Calls, Placing
- Direct Inward Dialing (DID)
- Direct Inward System Access (DISA)

Program 10 : System Configuration Setup

10-12 : CPU Network Setup

Level
SA

Description

Use **Program 10-12 : CPU Network Setup** to setup the IP Address, Subnet-Mask, and Default Gateway addresses.

Caution!

If any IP Address or NIC settings are changed, the system must be reset for the changes to take affect.

Input Data

Item No.	Item	Input Data	Description	Default
01	IP Address	0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	Set for CPU.	192.168.0.10
02	Subnet Mask	128.0.0.0 192.0.0.0 224.0.0.0 240.0.0.0 248.0.0.0 252.0.0.0 254.0.0.0 255.0.0.0 255.128.0.0 255.192.0.0 255.224.0.0 255.240.0.0 255.248.0.0 255.252.0.0 255.254.0.0 255.255.0.0 255.255.128.0 255.255.192.0 255.255.224.0 255.255.240.0 255.255.248.0 255.255.252.0 255.255.254.0 255.255.255.0 255.255.255.128 255.255.255.192 255.255.255.224 255.255.255.240 255.255.255.248 255.255.255.252 255.255.255.254 255.255.255.255	The setting of Subnet Mask is invalid when all Host Addresses are 0. If the network section is: 0, 127, 128.0, 191.255, 192.0.0, 223.255.255 The setting of Subnet Mask is invalid.	255.255.255.0
03	Default Gateway	0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	IP Address for Router.	0.0.0.0

Program

10

Item No.	Item	Input Data	Description	Default
04	Time Zone	0~24 (0 = -12 Hours and 24 = +12 Hours)	Determine the offset from Greenwich Mean Time (GMT) time. Then enter its respective value. For example, Eastern Time (US and Canada) has a GMT offset of -5. The program data would then be 7 (0 = - 12, 1 = - 11, 2 = - 10, 3 = - 9, 4 = - 8, 5 = - 7, 6 = - 6, 7 = - 5, : 24 = + 12)	12
05	NIC Interface	0 = Auto Detect 1 = 100Mbps, Full Duplex 2 = 100Mbps, Half Duplex 3 = 10Mbps, Full Duplex 4 = 10Mbps, Half Duplex	NIC Auto Negotiate (CPU)	0
06	Network Address Port Translation (NAPT) Router Setup	0 = No (Disable) 1 = Yes (Enable)	If using an external NAPT Router or not.	0
07	NAPT Router IP Address(Default Gateway [WAN])	0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	Set the IP address on the WAN side of router.	0.0.0.0
08	ICMP Redirect	0= NO, Signaling packets will follow the ICMP redirect message. 1= YES, Signaling packets will NOT follow the ICMP redirect message.	When receiving ICMP redirect message, this determines if the IP Routing Table updates automatically or not.	0
09	IP Address	0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	Set for VoIPDB.	172.16.0.10
10	Subnet Mask	128.0.0.0 192.0.0.0 224.0.0.0 240.0.0.0 248.0.0.0 252.0.0.0 254.0.0.0 255.0.0.0 255.128.0.0 255.192.0.0 255.224.0.0 255.240.0.0 255.248.0.0 255.252.0.0 255.254.0.0 255.255.0.0 255.255.128.0 255.255.192.0 255.255.224.0 255.255.240.0 255.255.248.0 255.255.252.0 255.255.254.0 255.255.255.0 255.255.255.128 255.255.255.192 255.255.255.224 255.255.255.240 255.255.255.248 255.255.255.252 255.255.255.254 255.255.255.255	Set for VoIPDB.	255.255.0.0

Item No.	Item	Input Data	Description	Default
11	NIC Setup	0 = Auto Detect 1 = 100 Mbps, Full Duplex 3 = 10 Mbps, Full Duplex 5 = 1 Gbps, Full Duplex	Set for VolPDB.	0

Conditions

- The system must be reset for these changes to take affect.

Feature Cross Reference

None

Program 10 : System Configuration Setup

10-13 : In-DHCP Server Setup

Level


SA

Program

Description

Use **Program 10-13 : In-DHCP Server Setup** to setup the DHCP Server built into the CPU.

Input Data

Item No.	Item	Input Data	Default	Description
01	DHCP Server Mode	0 = Disable 1 = Enable	0	Enable or disable the use of the built-in DHCP Server. This program cannot be enabled if PRG10-63-01 is enabled.
02	Lease Time	Days 0 ~ 255	0 day	Lease Time of the IP address to a client.  Pressing the Hold Key increments to the next setting data.
		Hour 0 ~ 23	0 hour	
		Minutes 0 ~ 59	30 minutes	
05	Last DHCP Data	0 = Disable 1 = Enable	1	If 10-13-01 is enabled, this setting determines if DHCP resource is enabled or disabled.

Conditions

None

Feature Cross Reference

None

Program 10 : System Configuration Setup

10-14 : Managed Network Setup

Level
SA

Description

Use **Program 10-14 : Managed Network Setup** to set up the range of the IP address which the DHCP Server leases to a client.

Input Data

Item No.	Item	Input Data	Default	Related Program
01	The Range of the IP address to Lease. When Maximum has not been entered, the maximum value equals the minimum value.	Minimum : 0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	172.16.0.100	10-13-04
		Maximum : 0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	172.16.5.254	

Conditions

None

Feature Cross Reference

None

Program

10

Program 10 : System Configuration Setup

10-15 : Client Information Setup

Level

SA

Program

10

Description

Use **Program 10-15 : Client Information Setup** to set up the client information when the DHCP server needs to assign a fixed IP address to clients.

Input Data

Client Number		1 ~ 16	
Item No.	Item	Input Data	Default
01	MAC Address	MAC : 00-00-00-00-00-00 ~ FF-FF-FF-FF-FF-FF	00-00-00-00-00-00
	IP Address The IP address should be assigned out of the scope range set up in Program 10-14.	1.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	0.0.0.0

Conditions

None

Feature Cross Reference

None

Program 10 : System Configuration Setup

10-16 : Option Information Setup

Level
SA

Description

Use **Program 10-16 : Option Information Setup** to set up the option given from the DHCP server to each client.

Input Data

Item No.	Item	Input Data	Default
01	Router Set the Router IP address.	Code number 0 ~ 255	3 (Fixed)
		IP address 0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	0.0.0.0
02	DNS Server Set IP address of DNS Server.	Code number 0 ~ 255	6 (Fixed)
		IP address 0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	0.0.0.0
03	TFTP Server Set the name for the TFTP Server.	Code number 0 ~ 255	66 (Fixed)
		Maximum 64 character strings	No setting
05	MGC	Code number 0 ~ 255	129 (Fixed)
		IP address 0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	172.16.0.10
06	Client Host Name Set the Client Host Name.	Code number 0 ~ 255	12 (Fixed)
		Maximum 64 character strings	No setting
07	DNS Domain Name Set the DNS Domain Name.	Code number 0 ~ 255	15 (Fixed)
		Maximum 20 character strings	No setting
08	Download Protocol Set Download Protocol used for AutoConfig (for DR700 Series).	Code number 0 ~ 255	43 (Fixed)
		Sub code number	163 (Fixed)
		1 = FTP 2 = HTTP	1
09	Encryption Information Set an Encryption Information used for AutoConfig (for DR700 series).	Code number 0 ~ 255	43 (Fixed)
		Sub code number	164 (Fixed)
		Maximum 128 character strings	No setting
10	FTP Server Address Set a FTP Server Address used for AutoConfig.	Code number 0 ~ 255	43 (Fixed)
		Sub code number	141
		IP address 0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	0.0.0.0
11	Config File Name Set a File Name used for AutoConfig.	Code number 0 ~ 255	43 (Fixed)
		Sub code number	151
		Maximum 15 character strings	No setting
12	Vender Class ID	Code number 0 ~ 255	60 (Fixed)
		Maximum 256 character strings	NEC DR700
13	SNMP Server	Code number 0 ~ 255	69 (Fixed)
		IP address 0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	0.0.0.0
14	POP3 Server	Code number 0 ~ 255	70 (Fixed)
		IP address 0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	0.0.0.0
16	SIP Server (IP Address)	Code number 0 ~ 255	120 (Fixed)
		IP address 0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	172.16.0.10

Program

10

Item No.	Item	Input Data	Default
17	SIP Server (Domain Name) If there is setting in 10-16-16 this setting will be ignored	Code number 0 ~ 255	120 (Fixed)
		Maximum 20 character strings	No setting
18	FTP Server	Code number 0 ~ 255	141 (Fixed)
		IP address 0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	0.0.0.0
19	Config File Name	Code number 0 ~ 255	151 (Fixed)
		Maximum 15 character strings	No setting
20	LDS Server 1	Code number 0 ~ 255	162 (Fixed)
		IP address 0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	0.0.0.0
21	LDS Server 2	Code number 0 ~ 255	162 (Fixed)
		IP address 0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	0.0.0.0
22	LDS Server 3	Code number 0 ~ 255	162 (Fixed)
		IP address 0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	0.0.0.0
23	LDS Server 4	Code number 0 ~ 255	162 (Fixed)
		IP address 0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	0.0.0.0
24	Next Server IP Address	IP address 0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	0.0.0.0
27	SIP Server Receive Port	Code number 0 ~ 255	168 (Fixed)
		Port: 1 ~ 65535	5080

Conditions

None

Feature Cross Reference

None

Program 10 : System Configuration Setup

10-17 : H.323 Gatekeeper Setup

Level
SA

Description

Use **Program 10-17 : H.323 Gatekeeper Setup** to set the H.323 Gatekeeper information.

Input Data

Item No.	Item	Input Data	Description	Default
01	Gatekeeper Mode	0 = No Gatekeeper 1 = Automatic 2 = Manual	Set IP Address either automatically or manually if using an external Gatekeeper.	0
02	Gatekeeper IP Address	0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	When Program 10-17-01 is set to 2, use this to set the IP Address of the Gatekeeper	0.0.0.0
04	Preferred Gatekeeper	Maximum 124 characters	When Program 10-17-01 is set to 1, use this to set the preferred ID of multiple Gatekeepers.	No Setting

Conditions

None

Feature Cross Reference

None

Program

10

Program 10 : System Configuration Setup

10-18 : H.323 Alias Address Setup

Level
SA

Program

Description

Use **Program 10-18 : H.323 Alias Address Setup** to set the alias address registered to the outside H.323 Gatekeeper.

Input Data

Number of Alias	1 ~ 6
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Item No.	Item	Input Data	Description	Default
01	Alias Address	Dial up to 12 digits (0 ~ 9, *, #)	Set the telephone number (Alias Address) to external gatekeeper.	No Setting
02	Alias Address Type	0 = E164	Set the Alias Address Type to external gatekeeper.	0

Conditions

None

Feature Cross Reference

None

Program 10 : System Configuration Setup

10-19 : VoIPDB DSP Resource Selection

Level
IN

Description

Use **Program 10-19 : VoIPDB DSP Resource Selection** to define the criteria for each DSP resource on the VoIPDB unit.

Input Data

DSP Resource Number		01 ~ 16	
Item No.	Item	Input Data	Default
01	VoIPDB DSP Resource Selection	0 = Common use for both IP extensions and trunks 1 = Use for IP extensions 2 = Use for SIP trunks 5 = Blocked 6 = Common without unicast paging 7 = Multicast paging 8 = Unicast paging	Resource 1 ~ 16 = 0

Conditions

None

Feature Cross Reference

None

Program

10

Program 10 : System Configuration Setup

10-20 : LAN Setup for External Equipment

Level
IN

Program

Description

Use **Program 10-20 : LAN Setup for External Equipment** to define the TCP port/address/etc. for communicating to external equipment.

Input Data

Type of External Equipment	1 = CTI Server 5 = SMDR Output 6 = DIM Output 9 = 1st Party CTI 11 = O&M Server 12 = Traffic Report Output 13 = Room Data Output for Hotel Service
----------------------------	--

Item No.	Item	Input Data	Default
01	TCP Port	0 ~ 65535	External Device 1 (CTI Server) = 0 External Device 5 (SMDR Output) = 0 External Device 6 (DIM Output) = 0 External Device 9 (1st Party CTI) = 0 External Device 11 (O&M Server) = 8010 External Device 12 (Traffic Report Output) = 0 External Device 13 (Room Data Output for Hotel Service) = 0
03	Keep Alive Time	1 ~ 255 seconds	30 seconds

Conditions

None

Feature Cross Reference

None

Program 10 : System Configuration Setup

10-23 : SIP System Interconnection Setup

Level
SA

Description

Use **Program 10-23 : SIP System Interconnection Setup** to determine if the system is interconnected and define the IP address of another system, call control port number and alias address for SL1100 system interconnection.

Input Data

System Number		001 ~ 1000	
Item No.	Item	Input Data	Default
01	System Interconnection	0 = No (Disable) 1 = Yes (Enable)	0
02	IP Address	0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	0.0.0.0
03	Call Control Port	1 ~ 65535	1720
04	Dial Number	Up to 12 digits (0 ~ 9)	No Setting

Conditions

None

Feature Cross Reference

None

Program

10

Program 10 : System Configuration Setup

10-24 : Daylight Savings Setup

Level

SA

Program

10

Description

Use **Program 10-24 : Daylight Savings Setup** to set the options for daylight savings. As the telephone system is used globally, these settings define when the system should automatically adjust for daylight savings as it applies to the region in which the system is installed.

Input Data

Item No.	Item	Input Data	Description	Default
01	Daylight Savings Mode	0 = Disable 1 = Enable	Enable (1) or disable (0) the system ability to adjust the time for daylight savings/standard time.	1
02	Time for Daylight Savings	00 : 00 ~ 23 : 59	Enter the time of day when the system should adjust for daylight savings time.	02 : 00
03	Start Month (Summer Time)	1 ~ 12 (Jan = 1, 2 = Feb, etc.)	Enter the month when the system should adjust the time for daylight savings time (01 ~ 12).	10
04	Start of Week	0 = Last Week of Month 0 ~ 5	Enter the week of the month when the system should adjust the time for daylight savings time. The week will start on the day listed in 10-24-05.	1
05	Start of Week Day	1 ~ 7 (Sun = 1, Mon = 2, etc.)	Enter the day of the week when the system should adjust the time for daylight savings time (01 = Sunday, 02 = Monday, etc.).	1
06	End of Month	1 ~ 12 (Jan = 1, 2 = Feb, etc.)	Enter the month when the system should adjust the time for standard time (01 ~ 12).	4
07	End of Week	0 = Last Week of Month 0 ~ 5	Enter the week of the month when the system should adjust the time for standard time. The week will start on the Day listed in 10-24-08.	1
08	End of Week Day	1 ~ 7 (Sun = 1, Mon = 2, etc.)	Enter the day of the week when the system should adjust the time for daylight savings time (01 = Sunday, 02 = Monday, etc.).	1

Conditions

None

Feature Cross Reference

- Clock/Calendar Display/Time and Date

Program 10 : System Configuration Setup

10-25 : H.323 Gateway Prefix Setup

Level
SA

Description

Use **Program 10-25 : H.323 Gateway Prefix Setup** to set the gateway prefix registered to the outside gatekeeper.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	Gateway Prefix Entry	0 = Off 1 = On		0	
02	Gateway Prefix Value	Up to 12 digits (0 ~ 9, *, #)	When Program 10-25-01 is set as 0 (Off) this setting will be ignored.	No Setting	10-25-01

Conditions

None

Feature Cross Reference

None

Program

10

Program 10 : System Configuration Setup

10-26 : IP System Operation Setup

Level
IN

Program

Description

Use **Program 10-26 : IP System Operation Setup** to enable or disable the Peer to Peer feature for SIP MLT and SIP IP stations.

Input Data

Item No.	Item	Input Data	Description	Default
02	RTP Forwarding Mode	0 = Disable 1 = Enable		0
03	SIP Peer to Peer Mode	0 = Off 1 = On		1
04	DR700 Peer to Peer Mode	0 = Off 1 = On		1
05	SIP CTI Mode	0 = Disable 1 = Mode1	When SIP CTI Mode is set as 1 (Mode1) it will ignore the setting at 10-26-03.	0

Conditions

- Disabling 10-26-04 results in SIP MLT Station-to-SIP MLT Station calls using a DSP resource.
- SIP-to-SIP MLT Station does not support Peer to Peer function and will result in using a DSP resource.
- Disabling 10-26-03 results in SIP IP Station-to-SIP IP Station calls using a DSP resource.

Feature Cross Reference

None

Program 10 : System Configuration Setup

10-28 : SIP System Information Setup

Level
SA

Description

Use **Program 10-28 : SIP System Information Setup** to set up basic SIP trunking.

Input Data

Item No.	Item	Input Data	Description	Default
01	Domain Name	Up to 64 Characters (ex. : UserID@HostName.DomainName)	Set the domain name of the SIP-URL.	None
02	Host Name	Up to 48 Characters (ex. : UserID@HostName.DomainName)	Set the host name of the SIP-URL.	None
03	Transport Protocol	0 = UDP 1 = TCP	Set the protocol for the connection.	0
04	UserID	Up to 32 Characters When assigning the User ID, the ID may contain only alpha characters. (A space and/or special characters are not allowed in the User ID field). (ex. : UserID@HostName.DomainName)	User ID in the SIP Invite Setup message. Use it for outbound caller ID information if no information is assigned in commands 21-17, 21-19, 15-16, 14-12 and 10-36. A call cannot be completed across the span if there is no outbound CID info. The reason for this is: the from and display portion of the invite message would be blank, and it would not know where the call originated from.	None
05	Domain Assignment	0 = IP Address 1 = Domain Name	If the information from Telco was a domain name (siptrunk@sip.com) then set to domain. If the information for Telco was a IP address then set to IP Address.	0
06	IP Trunk Port Binding	0 = Disable 1 = Enable	Trunk port binding is only used for SIP trunks to the provider in Non-Registration Mode only. When this is disabled, an inbound call comes in and follows your DID routing but it comes in on the first available trunk. When enabled, the inbound call comes in and follows your normal DID routing but maps to that specified trunk. If that trunk is busy, it sends back a busy unless you build a hunt group. To build the hunt group, it references command 14-12-02 (pilot register ID). This then points you to command 10-36-02. All the numbers with the same pilot are in the same hunt group.	0

Conditions

None

Feature Cross Reference

None

Program

10

Program 10 : System Configuration Setup

10-29 : SIP Server Information Setup

Level
SA

Program

10

Description

Use **Program 10-29 : SIP Server Information Setup** to define the SIP Proxy setup for outbound/inbound. The 10-29 commands are not used in non-registration mode.



If entries are made in Program 10-29-xx for a SIP Server and the SIP Server is then removed or not used, the entries in Program 10-29-xx must be set back to their default settings. Even if 10-29-01 is set to 0 (off), the system still checks the settings in the remaining 10-29 programs.

Input Data

Item No.	Item	Input Data	Description	Default
01	Default Proxy (Outbound)	0 = Off 1 = On	This sets whether the SIP message is always sent through the Default Proxy.	0
02	Default Proxy (Inbound)	0 = Off 1 = On	Need to be registered in registration mode. This sets whether the SIP message is always received through the Default Proxy.	0
03	Default Proxy IP Address	0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	This is optional and used if the provider gives you a proxy address that is different than the registration address. If the provider is using domain names instead of IP addresses, leave this at default.	0.0.0.0
04	Default Proxy Port Number	0 ~ 65535	The port number of the Default Proxy is set.	5060
05	Registrar Mode	0 = None 1 = Manual	The mode registered in the registration server is set.	0
06	Registrar IP Address	0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	IP address of the SIP registration server is set.	0.0.0.0
07	Registrar Port Number	0 ~ 65535	The port number of the SIP registration server is set.	5060
08	DNS Server Mode	0 = Off 1 = On	This setting determines if the DNS server is used.	0
09	DNS Server IP Address	0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	If 10-29-08 is 1, this is effective. This sets the IP address of the DNS server.	0.0.0.0
10	DNS Port Number	0 ~ 65535	If 10-29-08 is 1, this is effective. This sets the port number of the DNS server.	53
11	Registrar Domain Name	Up to 128 Characters	This sets the domain name of the registration server.	None
12	Domain Name	Up to 64 Characters	This specifies the domain name of the SIP server.	None
13	Proxy Host Name	Up to 48 Characters	This specifies the host name of the SIP server.	None
14	SIP Carrier Choice (V1.5 Changed)	0 ~ 26 1 = Carrier A 2 = Carrier B : 7 = Carrier G 8 = Carrier H : 26 = Carrier Z	This selects the carrier type of the SIP server. When Carrier A, B, or C is selected in PRG10-29-14, PRG10-29-16 Register Sub Mode is set "On" automatically.	0

Item No.	Item	Input Data	Description	Default
15	Registration Expiry (Expire) Time	120 ~ 65535 seconds	This sets the expiration time when the SIP trunk registers to the Sip server. When half the time set here passes, the registration update is automatically done.	3600
16	Register Sub Mode	0 = Off (Allow invalid Invite message) 1 = On (Deny invalid Invite message)	Prevents an invalid Invite message. If the "register information that system send to SIP server" and the "Invite information that system receive" are different, system sends "404 Not Found" message. If PRG10-29-05 Register Mode is 0; Off, it is necessary to set 0; Off in PRG10-29-16.	0
17	DNS Source Port	0 ~ 65535	(10-29-08 must be On) This sets the DNS source port number.	53

Conditions

None

Feature Cross Reference

None

Program 10 : System Configuration Setup

10-30 : SIP Authentication Information Setup

Level
IN

Program

10

Description

Use **Program 10-30 : SIP Authentication Information Setup** to set the authentication options for SIP trunks.

Input Data

Item No.	Item	Input Data	Description	Default
02	User Name	Up to 64 Characters	This sets the user name of the SIP trunk.	None
03	Password	Up to 32 Characters	This sets the SIP trunk password.	None
04	Authentication Trial	0 ~ 9	This is how many times it will try an authenticate before timing out and not registering.	1

Conditions

None

Feature Cross Reference

None

Program 10 : System Configuration Setup

10-33 : SIP Registrar/Proxy Information Basic Setup

Level
IN

Description

Use **Program 10-33 : SIP Registrar/Proxy Information Basic Setup** to set the registrar/proxy options for SIP extensions.

Input Data

Item No.	Item	Input Data	Description	Default
01	Registration Expire Time	60 ~ 65535	After this time expires, the UA's are forced to reregister with the CPU. This allows the CPU to keep a current location of the entire end UA's.	3600
02	Authentication Mode	0 = Disable 1 = Enable	Check here if a password is desired for the IP SIP phones to register. When checked, 15-05-16 must have a password entered and also the SIP phone must have the same password. When using Authentication, the station number is the authorization name.	1 (V2.1 Changed)
03	Registrar/Proxy Domain Name	Up to 64 Characters	Set the domain name of the SIP proxy.	None
04	Registrar/Proxy Host Name	Up to 48 Characters	Set the domain name of the SIP proxy.	None

Conditions

None

Feature Cross Reference

None

Program

10

Program 10 : System Configuration Setup

10-36 : SIP Trunk Registration Information Setup

Level
IN

Program

10

Description

Use **Program 10-36 : SIP Trunk Registration Information Setup** to set the SIP trunk registration information.

Input Data

Register ID		1 ~ 31		
Item No.	Item	Input Data	Description	Default
01	Registration	0 = Disable 1 = Enable	This setting determines if the SIP trunk information is registered.	0
02	User ID	Up to 32 Characters	This sets the SIP trunk User ID.	None
03	Authentication User ID	Up to 64 Characters	This sets the SIP trunk Authentication User ID.	None
04	Authentication Password	Up to 32 Characters	This sets the SIP trunk authentication password.	None

Conditions

None

Feature Cross Reference

None

Program 10 : System Configuration Setup


10-37 : UPnP Setup

Level
IN

Description

Use **Program 10-37 : UPnP Setup** to set the UPnP (Universal Plug and Play) options for SIP trunks.

Input Data

Item No.	Item	Input Data	Description	Default
01	UPnP Mode	0 = Disable 1 = Enable	 Router must support UPnP.	0
02	Retry Time	0, 60 ~ 3600 (1 ~ 59 cannot be input)	Set interval time to re-check the Router for the WAN IP address. When this set as 0 it will not retry.	60

Conditions

None

Feature Cross Reference

None

Program

10

Program 10 : System Configuration Setup

10-39 : Fractional Setup

Level
IN

Program

10

Description

Use **Program 10-39 : Fractional Setup** to enable or disable the ability to use fractional T1 or PRI.

Input Data

Item No.	Item	Input Data	Default
01	Fractional	0 = Disable 1 = Enable	0

Conditions

None

Feature Cross Reference

None

Program 10 : System Configuration Setup


10-40 : IP Trunk Availability

Level
IN

Description

Use **Program 10-40 : IP Trunk Availability** to enable or disable the ability to use SIP trunks and assign the number of ports if IP Trunk is enabled.

Input Data

Slot Number		0	
Item No.	Item	Input Data	Default
01	IP Trunk Availability	0 = Disable 1 = Enable	0
02	Number of Ports	0 ~ 32 (Port)  SIP trunks are assigned in increments of two. Please note that if odd port number is set it will use 1 extra port. (V2.0 Added)	0

Conditions

None

Feature Cross Reference

None

Program

10

Program 10 : System Configuration Setup

10-42 : Virtual Loop Back Port Setting

Level

IN

Program

Description

Use **Program 10-42 : Virtual Loop Back Port Setting** to set the data for the Virtual Loop Back Port.

Input Data

Item No.	Item	Input Data	Default
01	Number of Loop Back Ports	0 ~ 30 (0 = No setting)	0
02	Logical Trunk Port Number	1 ~ 96	0
03	Logical Station Port Number	1 ~ 120	0
04	Layer 3 Timer Type	1 ~ 5	1
05	Calling Party Number	0 = No 1 = Yes	1
06	S-point DDI digits	0 ~ 4	0
07	Call Busy Mode for S-point	0 = Alerting Message 1 = Disconnect Message	0

Conditions

None

Feature Cross Reference

None

Program 10 : System Configuration Setup

10-45 : IP Routing Table Setup

Level
SA

Description

Use **Program 10-45 : IP Routing Table Setup** to set up the IP Routing Table.

Input Data

Routing Table Number		001 ~ 100	
Item No.	Item	Input Data	Default
01	Network Address	0.0.0.0 ~ 126.255.255.254 128.0.0.0 ~ 191.255.255.254 192.0.0.0 ~ 223.255.255.254	0.0.0.0
02	Subnet Mask	128.0.0.0 192.0.0.0 224.0.0.0 240.0.0.0 248.0.0.0 252.0.0.0 254.0.0.0 255.0.0.0 255.128.0.0 255.192.0.0 255.224.0.0 255.240.0.0 255.248.0.0 255.252.0.0 255.254.0.0 255.255.0.0 255.255.128.0 255.255.192.0 255.255.224.0 255.255.240.0 255.255.248.0 255.255.252.0 255.255.254.0 255.255.255.0 255.255.255.128 255.255.255.192 255.255.255.224 255.255.255.240 255.255.255.248 255.255.255.252 255.255.255.254 255.255.255.255	0.0.0.0
03	Default Gateway	0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	0.0.0.0

Conditions

None

Feature Cross Reference

None

Program

10

Program 10 : System Configuration Setup

10-46 : DR700 Server Information Setup

Level
IN

Program

Description

Use **Program 10-46 : DR700 Server Information Setup** to set up the information of DR700 Server.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	Register Mode	0 = Normal 1 = Auto 2 = Manual	Normal: When the phone boots up, it reports the ext. assigned in the phone or chooses the next available extension in the system. Password is not required. Auto: If set to Auto, the SIP user name and password must be entered on the actual IP phone. These settings must match 84-22/15-05-27, or the phone does not come on-line. Manual: When the phone boots up, it prompts user to enter a user ID and password before logging in. It checks this user ID/password against 84-22/15-05-27. If there is no match, the phone does not come online.	0	
04	Server Name	Up to 32 characters	Assign the Server name to be used in the SIP URL.	sipphd	
06	Register Port	0 ~ 65535	Assign the port number in which the SIP messages are sent to on the VoIPDB. This same port number must be assigned in the SIP Multiline terminals. If this command is changed, it requires a CPU reset.	5080	
07	Encryption Mode	0 = Off 1 = On		0	
08	Encryption Type	0 = Mode 1		0	
09	One Time Password	Up to 10 characters (0 ~ 9, *, #)		None	10-46-07
10	Start Port	1 ~ 120		49 (V2.1 Changed)	10-46-01
11	Multicast IP Address	224.0.0.0 ~ 239.255.255.255	This sets the Multicast IP address so that two or more main devices don't overlap on the same network, or if Multicast is used by other IP services.	224.0.0.10	
12	Multicast Port	0 ~ 65535		30000	
13	Subscribe Session Port	0 ~ 65535		5081	
14	NAT Mode	0 = Off 1 = On	When the system controls the SIP multiline terminal via the NAT router, this system data is set to On.	0	

Conditions

None

Feature Cross Reference

None

Program

10

Program 10 : System Configuration Setup

10-47 : Terminal License Server Information Setup

Level
IN

Program

10

Description

Use **Program 10-47 : Terminal License Server Information Setup** to setup the information of Terminal License Server.

Input Data

Item No.	Item	Input Data	Description	Default
01	Register Port of TCP I/F	0 ~ 65535	This set the register port number of TCP I/F.	6080
02	TCP Keep Alive Time	1~255 seconds	This set the TCP keep alive time.	5

Conditions

None

Feature Cross Reference

None

Program 10 : System Configuration Setup

10-48 : License Activation

Level
IN

Description

Use **Program 10-48 : License Activation** to turn on the license issued from the license server.

Input Data

Item No.	Item	Input Data	Default
01	Software Key Code	20-digit character	None
02	Activation Code	8-digit hexadecimal number	None
03	Feature Code	7-digit number	None

Conditions

The Key Operation for input item 03 is as follows;

Hold Key	Edit next feature code <ul style="list-style-type: none"> Up to 10 feature code is possible to input at once. Register the license when 10th feature code is edited.
Soft Key2 (Back)	Edit previous feature code
Soft Key3 (Submit)	Register the license

Feature Cross Reference

None

Program

10

Program 10 : System Configuration Setup

10-49 : License File Activation

Level
IN

Program

10

Description

Use **Program 10-49 : License File Activation** to enable the command to save the license file via CF Card which is issued from the license server.

Input Data

Item No.	Item	Input Data
01	Save License File on CF Card	Dial 1 + Hold (Press Hold to cancel.)

Conditions

None

Feature Cross Reference

None

Program 10 : System Configuration Setup

10-50 : License Information

Level
IN

Description

Use **Program 10-50 : License Information** to confirm license information that is stored in a system.

Input Data

Feature Code Number		000 ~ 9999		
Item No.	Item	Input Data	Description	Default
01	License Name	"_"	None	
02	License Quantity	"_"	0 ~ 32767 (Read Data)	
03	Campaign License Quantity	"_"	0 ~ 32767 (Read Data)	
04	Campaign License Remaining Days	"_"	0 ~ 9999 (Read Data)	

Conditions

None

Feature Cross Reference

None

Program

10

Program 10 : System Configuration Setup

10-51 : PRI/T1/E1 Selection of PRI

Level

IN

Program

Description

Use Program 10-51 : PRI/T1 Selection of PRI to select whether the unit works as PRI or T1 or E1.

Input Data

Slot Number	01 ~ 09
-------------	---------

Item No.	Item	Input Data	Description	Default
01	PRI/T1 Selection	0 = PRI 1 = T1 2 = E1	Chose whether the unit works as PRI or T1.	0 = PRI

Conditions

None

Feature Cross Reference

None

Program 10 : System Configuration Setup

10-52 : Free/Demo License Information

Level
IN

Description

Use **Program 10-52 : Free/Demo License Information** to display information on free of charge/Demo license.

Input Data

Item No.	Item	Description
01	Remaining days of Free/Demo License	Read Data: 0 ~ 9999

Conditions

None

Feature Cross Reference

None

Program

10

Program 10 : System Configuration Setup

10-58 : Network Address

Level
IN

Program

(This Program is available for V1.5 or higher)

Description

Use **Program 10-58 : Network Address** to set the local network address when the SIP multiline terminal connects the system via a local router.

Input Data

Area Table			1 ~ 8		
Item No.	Item	Input Data	Description	Default	Related Program
01	Network Address	0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254	Sets local network address.	0.0.0.0	10-46-14
02	Subnet Mask	248.0.0.0 / 252.0.0.0 / 254.0.0.0 / 255.0.0.0 255.128.0.0 / 255.192.0.0 / 255.224.0.0 / 255.240.0.0 / 255.248.0.0 / 255.252.0.0 255.254.0.0 / 255.255.0.0 / 255.255.128.0 255.255.192.0 / 255.255.224.0 255.255.240.0 / 255.255.248.0 255.255.252.0 / 255.255.254.0 255.255.255.0 / 255.255.255.128 255.255.255.192 / 255.255.255.224 255.255.255.240 / 255.255.255.248 255.255.255.252 / 255.255.255.254	Sets local subnet mask.	0.0.0.0	10-46-14

Conditions

None

Feature Cross Reference

None

Program 10 : System Configuration Setup

10-60 : Audio Port Setup

Level
IN

Description

Use **Program 10-60 : Audio Port Setup** to defines which audio port on the 084M packages are used for BGM/External MOH.

Input Data

Audio Port Number	1 = BGM 2 = External MOH
-------------------	-----------------------------

Item No.	Item	Input Data	Default
01	Slot No.	0, 1, 4, 7	1

Conditions

None

Feature Cross Reference

None

Program

10

Program 10 : System Configuration Setup

10-61 : Relay Port Setup

Level

IN

Program

Description

Use **Program 10-61 : Relay Port Setup** to defines the relay port type on the 084M.

Input Data

Relay Port No.	1 ~ 6
----------------	-------

Item No.	Item	Input Data	Default
01	Relay Type	0 = No setting 1 = External MOH 2 = BGM resource 3 = External Speaker 4 = Door Phone	0
02	Destination Selection	10-61-01 = 1 or 2 : Not Use 10-61-01 = 3 : 1 ~ 3 External Speaker Message No. 10-61-01 = 4 : 1 ~ 6 Door Phone No.	0 (Not Used)

Conditions

None

Feature Cross Reference

None

Program 10 : System Configuration Setup


10-62 : NetBIOS Setting

Level
IN

Description

Use **10-62 : NetBIOS Setting** to set the data of NetBIOS.

Input Data

Item No.	Item	Input Data	Description	Default
01	NetBIOS Mode	0 = Disabled 1 = Enabled		1
02	NetBIOS Name	Maximum 15 characters	 Please avoid using Space between the words. Also when you create name please use all upper letters.	SL1100

Conditions

None

Feature Cross Reference

None

Program

10

Program 10 : System Configuration Setup

10-63 : DHCP Client Setting


Level
IN

Program

Description

Use **10-63 : DHCP Client Setting** to set the data of DHCP Client.

Input Data

Item No.	Item	Input Data	Description	Default
01	DHCP Client Mode	0 = Disabled 1 = Enabled	<p>If you are using IP phones/trunks it is recommended to not use the DHCP client function, a static IP address would be preferred. If you are going to still use the DHCP client function then the DHCP server should be setup so that the same IP address is always provided to the system.</p>  <p>When changing this program a system reset is required.</p>	0

Conditions

None

Feature Cross Reference

None

Program 11 : System Numbering

11-01 : System Numbering

Level
IN

Description

Use **Program 11-01 : System Numbering** to set the system numbering plan. The numbering plan assigns the first and second digits dialed and affects the digits an extension user must dial to access other extensions and features, such as service codes and trunk codes. If the default numbering plan does not meet the site requirements, use this program to tailor the system numbering to the site.

Caution!

Improperly programming this option can adversely affect system operation. Make sure you thoroughly understand the default numbering plan before proceeding. If you must change the standard numbering, use the chart for System Numbering Default Settings to keep careful and accurate records of your changes. Before changing your numbering plan, use PC Pro to make a backup copy of your system data.

Changing the numbering plan consists of three steps:

Step 1 : Enter the digit (s) you want to change

You can make either single or two digit entries. In the Dialed Number column in the System Numbering Default Settings, the nX rows (e.g., 1X) are for single digit codes. The remaining rows (e.g., 11, 12, etc.) are for two digit codes.

- Entering a single digit affects all the Dialed Number entries beginning with that digit. For example, entering 6 affects all number plan entries beginning with 6. The entries you make in step 2 and step 3 below affect the entire range of numbers beginning with 6. (For example, if you enter 3 in step 2 the entries affected are 600 ~ 699. If you enter 4 in step 2 below, the entries affected are 6000 ~ 6999.)
- Entering two digits lets you define codes based on the first two digits a user dials. For example, entering 60 allows you to define the function of all codes beginning with 60. In the default program, only * and # use 2-digit codes. All the other codes are single digit. If you enter a two digit code between 0 and 9, be sure to make separate entries for all the other two digit codes within the range as well. This is because in the default program all the two digit codes between 0 and 9 are undefined.



Defining codes based on more than 2 digits require a secondary program (Program 11-20) to define the codes.

Step 2 : Specify the length of the code you want to change

After you specify a single or two digit code, you must tell the system how many digits comprise the code. This is the **Number of Digits Required** column in the System Numbering Default Settings.

Step 3: Assign a function to the code selected

After entering a code and specifying its length, you must assign its function. This is the Dial Type column in the System Numbering Default Settings. The choices are:

Dial Types	Dial Type Description	Related Program	Note
0	--- Not Used ---		
1	Service Code	11-10 : Service Code Setup (for System Administrator) 11-11 : Service Code Setup (for Setup/Entry Operation) 11-12 : Service Code Setup (for Service Access) 11-14 : Service Code Setup (for Hotel) 11-15 : Service Code Setup, Administrative (for Special Access) 11-16 : Single Digit Service Code Setup	

Dial Types	Dial Type Description	Related Program	Note
2	Extension Number	11-02 : Extension Numbering 11-04 : Virtual Extension Numbering 11-07 : Department Group Pilot Numbers	
3	Trunk Access Code	11-09-01 : Trunk Access Code	
4	Special Trunk Access	11-09-02 : Trunk Access Code	
5	Operator Access	20-17 : Operator Extension	
6	F-Route Access	44-xx	
9	Dial Extension Analyze	11-20 : Dial Extension Analyze Table	



Changing the Dial Type for a range of codes can have a dramatic affect on how your system operates. Assume, for example, the site is a hotel that has room numbers from 100 ~ 399. To make extension numbers correspond to room numbers, you should use Program 11-02 to reassign extension numbers on each floor from 100 to 399. (Other applications might also require you to change entries in Program 11-10 ~ 11-16.)

Default

See the following tables for default settings.

Table 2-1 System Numbering Default Settings

Dial Types : 1 = Service Code, 2 = Extension Number, 3 = Trunk Access, 4 = Special Trunk Access, 5 = Operator Access, 6 = Flexible Routing, 9 = Dial Extension Analyze, 0 = Not Used				
Dialed	Number of Digits Required		Dial Type	
	Default	New	Default	New
1X	3		2	
11	0		0	
12	0		0	
13	0		0	
14	0		0	
15	0		0	
16	0		0	
17	0		0	
18	0		0	
19	0		0	
10	0		0	
1*	0		0	
1#	0		0	
2X	3		2	
21	0		0	
22	0		0	
23	0		0	
24	0		0	
25	0		0	
26	0		0	
27	0		0	
28	0		0	
29	0		0	
20	0		0	
2*	0		0	
2#	0		0	
3X	4		2	
31	0		0	
32	0		0	
33	0		0	
34	0		0	
35	0		0	
36	0		0	
37	0		0	
38	0		0	
39	0		0	
30	0		0	
3*	0		0	
3#	0		0	

Dial Types : 1 = Service Code, 2 = Extension Number, 3 = Trunk Access, 4 = Special Trunk Access, 5 = Operator Access, 6 = Flexible Routing, 9 = Dial Extension Analyze, 0 = Not Used

Dialed	Number of Digits Required		Dial Type	
	Default	New	Default	New
4X	3		1	
41	0		0	
42	0		0	
43	0		0	
44	0		0	
45	0		0	
46	0		0	
47	0		0	
48	0		0	
49	0		0	
40	0		0	
4*	0		0	
4#	0		0	
5X	3		1	
51	0		0	
52	0		0	
53	0		0	
54	0		0	
55	0		0	
56	0		0	
57	0		0	
58	0		0	
59	0		0	
50	0		0	
5*	0		0	
5#	0		0	
6X	3		1	
61	0		0	
62	0		0	
63	0		0	
64	0		0	
65	0		0	
66	0		0	
67	0		0	
68	0		0	
69	0		0	
60	0		0	
6*	0		0	
6#	0		0	
7X	3		1	
71	0		0	
72	0		0	
73	0		0	
74	0		0	
75	0		0	
76	0		0	
77	0		0	
78	0		0	
79	0		0	
70	0		0	
7*	0		0	
7#	0		0	
8X	1		1	
81	0		0	
82	0		0	
83	0		0	
84	0		0	
85	0		0	
86	0		0	
87	0		0	
88	0		0	

Dial Types : 1 = Service Code, 2 = Extension Number, 3 = Trunk Access, 4 = Special Trunk Access, 5 = Operator Access, 6 = Flexible Routing, 9 = Dial Extension Analyze, 0 = Not Used

Dialed	Number of Digits Required		Dial Type	
	Default	New	Default	New
89	0		0	
80	0		0	
8*	0		0	
8#	0		0	
9X	1		5	
91	0		0	
92	0		0	
93	0		0	
94	0		0	
95	0		0	
96	0		0	
97	0		0	
98	0		0	
99	0		0	
90	0		0	
9*	0		0	
9#	0		0	
0X	1		3	
01	0		0	
02	0		0	
03	0		0	
04	0		0	
05	0		0	
06	0		0	
07	0		0	
08	0		0	
09	0		0	
00	0		0	
0*	0		0	
0#	0		0	
*X	2		1	
*1	0		0	
*2	0		0	
*3	0		0	
*4	0		0	
*5	0		0	
*6	0		0	
*7	0		0	
*8	0		0	
*9	0		0	
*0	0		0	
**	0		0	
*#	0		0	
#X	0		0	
#1	2		1	
#2	2		1	
#3	2		1	
#4	2		1	
#5	2		1	
#6	2		1	
#7	2		1	
#8	2		1	
#9	2		1	
#0	2		1	
#*	4		1	
##	2		1	

Conditions

None

Feature Cross Reference

- Flexible System Numbering

Program 11 : System Numbering

11-02 : Extension Numbering

Level

IN


Program

11

Description

Use **Program 11-02 : Extension Numbering** to set the extension number. The extension number can have up to eight digits. The first/second digit (s) of the number should be assigned in Program 11-01 or Program 11-20. This allows an employee to move to a new location (port) and retain the same extension number.

Input Data

Extension Port Number		001 ~ 120		
Item No.	Item	Input Data	Description	Default
01	Extension Number	Dial (Up to 8 digits)	Set up extension numbers for multiline telephones, single line telephones and IP telephones.  Extension number assignments cannot be duplicated in Programs 11-02, and 11-07.	Extension Port Number : Extension Number : 001 ~ 064: 101 ~ 164 065 ~ 120 : No Setting (V2.1 Changed)

Conditions

None

Feature Cross Reference

- Department Calling
- Flexible System Numbering
- Intercom

Program 11 : System Numbering


11-04 : Virtual Extension Numbering

Level
IN

Description

Use **Program 11-04 : Virtual Extension Numbering** to define the virtual extension numbers. The extension number can have up to eight digits. The first/second digit (s) of the number should be assigned in Program 11-01 or Program 11-20.

Input Data

Virtual Extension Numbers			001 ~ 050	
Item No.	Item	Input Data	Description	Default
01	Extension Number	Dial (Up to 8 digits)	Set up Virtual Extension numbers.  The extension number cannot be duplicated in Programs 11-02 and 11-07.	Virtual Port Number : Extension Number 1 ~ 50 : No Setting

Conditions

None

Feature Cross Reference

- Flexible System Numbering

Program

11

Program 11 : System Numbering

11-07 : Department Group Pilot Numbers

Level
IN

Program

Description

Use **Program 11-07 : Department Group Pilot Numbers** to assign a pilot number to each Department Group set up in Program 16-02. The pilot number is the number users dial for Department Calling and Department Step Calling. The pilot number can have up to eight digits. The first and second digits of the number should be assigned in Program 11-01 or Program 11-20 as type 2.

Input Data

Department (Extension) Group Number			01 ~ 32		
Item No.	Item	Input Data	Description	Default	Related Program
01	Extension Group Pilot Number	Dial (Up to 8 digits)	Use this program to assign department group pilot numbers. The number set up by Program 11-02 (Extension Numbering) cannot be used. The extension number cannot be duplicated in Programs 11-02 and 11-07.	No Setting	<ul style="list-style-type: none"> • 16-01 : Department (Extension) Group Basic Data Setup • 16-02 : Department Group Assignment for Extensions • 16-03 : Secondary Department Group

Conditions

None

Feature Cross Reference

- Department Calling
- Department Step Calling

Program 11 : System Numbering

11-09 : Trunk Access Code

Level
IN

Description

Use **Program 11-09 : Trunk Access Code** to assign the trunk access code. The trunk access code can be set from 1 ~ 4 digits which is defined to type 3 and 4 in Program 11-01. This is the code extension users dial to access Automatic Route Selection (ARS/F-Route). The Individual Trunk Access Code is used when Trunk Group Routing is desired for an outgoing line.

Caution!

The digit 9 is defined in Program 11-01 as Dial Type () with the Number of Digits Required set to (). If you change the trunk access code in Program 11-09, you must make the corresponding changes in Program 11-01.

Program

11

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	Trunk Access Code	Dial (Up to four digits)	Use this program to assign the trunk access code. This is the code extension users dial to access Automatic Route Selection (ARS/F-Route).	0	<ul style="list-style-type: none"> · 11-01 : System Numbering · 14-01 ~ 07 : Basic Trunk Data Setup · 14-05 : Trunk Group · 14-06 : Trunk Group Routing · 21-02 : Trunk Group Routing for Extensions
02	2nd Trunk Route Access Code	Dial (Up to four digits)	Use this program to define additional trunk access codes. When a user dials the Alternate Trunk Route Access Code, the system routes their call to the Alternate Trunk Route.	No Setting	<ul style="list-style-type: none"> · 11-01 : System Numbering · 14-01 ~ 07: Basic Trunk Data Setup · 14-05 : Trunk Group · 14-06 : Trunk Group Routing · 21-02 : Trunk Group Routing for Extensions · 21-15 : Individual Trunk Group Routing for Extensions

Conditions

None

Feature Cross Reference

- Automatic Route Selection (ARS/F-Route)
- Central Office Calls, Placing
- Trunk Group Routing

Program 11 : System Numbering

11-10 : Service Code Setup (for System Administrator)

Level
IN

Program

Description

Use **Program 11-10 : Service Code Setup (for System Administrator)** to customize the Service Codes for the System Administrator. You can customize additional Service Codes in Programs 11-11 ~ 11-16. The following chart shows:

- The number of each code (01 ~ 50).
- The function of the Service Code.
- The type of telephones that can use the Service Code.
- The default entry. For example, dialing item 26 allows users to force a trunk line to disconnect.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	Night Mode Switching	0~9, *# Maximum of 8 digit	Terminal: MLT, SLT	718	12-xx 20-07-01
02	Change of music on hold tone	0~9, *# Maximum of 8 digit	Terminal: MLT	No setting	10-04
03	Setting the System Time	0~9, *# Maximum of 8 digit	Terminal: MLT	728	
04	Storing Common Speed Dialing Numbers	0~9, *# Maximum of 8 digit	Terminal: MLT	753	
05	Storing Group Speed Dialing Numbers	0~9, *# Maximum of 8 digit	Terminal: MLT	754	
06	Setting the Automatic Transfer for Each Trunk Line	0~9, *# Maximum of 8 digit	Terminal: MLT	733	24-04-01
07	Canceling the Automatic Transfer for Each Trunk Line	0~9, *# Maximum of 8 digit	Terminal: MLT	734	24-04-01
08	Setting the Destination for Automatic Trunk Transfer	0~9, *# Maximum of 8 digit	Terminal: MLT	735	24-04-01
09	Charging Cost Display by the Supervisor	0~9, *# Maximum of 8 digit	Terminal: MLT	No setting	
11	Entry Credit for Toll Restriction	0~9, *# Maximum of 8 digit	Terminal: MLT	No setting	
12	Night Mode Switching for Other Group	0~9, *# Maximum of 8 digit	Terminal: MLT	618	12-xx 20-07-01
16	Leaving Message Waiting (Requires CPU to be licensed for Hotel/Motel)	0~9, *# Maximum of 8 digit	Terminal: MLT	626	11-11-09
17	Dial Block by Supervisor	0~9, *# Maximum of 8 digit	Terminal: MLT	601	90-19
18	Off-Premise Call Forward by Door Box	0~9, *# Maximum of 8 digit	Terminal: MLT	722	13-05
20	VRS - Record/Erase Message	0~9, *# Maximum of 8 digit	Terminal: MLT, SLT Define Service Code for VRS message recording or erasing.	616	20-07-13

Item No.	Item	Input Data	Description	Default	Related Program
21	VRS - General Message Playback	0~9, *# Maximum of 8 digit	Terminal: MLT, SLT	611	20-07-14
22	VRS - Record or Erase General Message	0~9, *# Maximum of 8 digit	Terminal: MLT, SLT	612	20-07-15
23	SMDR - Extension Accumulated Printout Code	0~9, *# Maximum of 8 digit	Terminal: MLT	621	20-07-18
24	SMDR - Group Accumulated Printout Code	0~9, *# Maximum of 8 digit	Terminal: MLT	622	20-07-19
25	Account Code Accumulated Printout Code	0~9, *# Maximum of 8 digit	Terminal: MLT	623	20-07-20
26	Forced Trunk Disconnect	0~9, *# Maximum of 8 digit	Terminal: MLT, SLT	No setting	20-07-11
27	Trunk Port Disable for Outgoing Calls	0~9, *# Maximum of 8 digit	Terminal: MLT, SLT	645	20-07-12
32	Set Private Call Refuse	0~9, *# Maximum of 8 digit	Terminal: MLT, SLT	646	14-01-27 20-07-24
33	Entry Caller ID Refuse	0~9, *# Maximum of 8 digit	Terminal: MLT	647	20-07-25
34	Set Caller ID Refuse	0~9, *# Maximum of 8 digit	Terminal: MLT, SLT	748	14-01-27 20-07-25
35	Dial-In Mode Switching	0~9, *# Maximum of 8 digit	Terminal: MLT, SLT	609	20-07-26
41	Date Setting	0~9, *# Maximum of 8 digit	Terminal: MLT	789	20-07-30
42	Maintenance Service	0~9, *# Maximum of 8 digit	Terminal: MLT	643	
43	VRS Incoming	0~9, *# Maximum of 8 digit	Terminal: MLT	778	13-04 15-02-55
44	Cutting the telephone power	0~9, *# Maximum of 8 digit	Terminal: MLT, SLT Sets the Service Code for power cutting. (for Administrator) PRG11-10-44 Input dial is Max 8 digits.	731	
45	Room Monitor Permit	0~9, *# Maximum of 8 digit	Terminal: MLT, SLT Sets Service Code (SC) for Room monitor on/off to terminal. SC+1+Extension Number ; Room Monitor enable SC+0+Extension Number ; Room Monitor disable	610	
46	Watch Message Setting	0~9, *# Maximum of 8 digit	Terminal: MLT, SLT Service Code setting for Watching message recording to VRS	614	
47	Warning Message Setting	0~9, *# Maximum of 8 digit	Terminal: MLT, SLT Service Code setting for Warning message recording to VRS.	615	
48	Auto Dial Setting for Security Sensor	0~9, *# Maximum of 8 digit	Terminal: MLT Service Code setting for destination number when Warning mode detected.	617	
49	Auto Dial Setting for Remote Inspection	0~9, *# Maximum of 8 digit	Terminal: MLT Service Code setting for destination number when remote inspection detects no answer	619	
50	Night-mode Skip (Own Group)	0~9, *# Maximum of 8 digit	Terminal: MLT, SLT	787	



MLT = Multiline Terminal

SLT = Single Line Telephone

Conditions

None

Feature Cross Reference

None

Program**11**

Program 11 : System Numbering

11-11 : Service Code Setup (for Setup/Entry Operation)

Level
IN

Description

Use **Program 11-11 : Service Code Setup (for Setup/Entry Operation)** to customize the Service Codes which are used for registration and setup. You can customize additional Service Codes in Programs 11-10, and 11-12 ~ 11-16.

The following chart shows:

- The number of each code (01 ~ 72).
- The function of the Service Code.
- What type of telephones can use the Service Code.
- The default entry. For example, users to turn on or turn off Background Music by dialing the number set at item 18.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	Call Forward - All	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	741	
02	Call Forward - Busy	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	742	
03	Call Forward - No Answer	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	743	
04	Call Forward - Busy/No Answer	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	744	
05	Call Forward - Both Ring	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	745	
07	Call Forwarding - Follow-Me	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	746	
08	Do Not Disturb	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	747	
09	Answer Message Waiting	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	*0	11-10-16
10	Cancel All Messages Waiting	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	773	
11	Cancel Message Waiting	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	771	
12	Alarm Clock	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	727	20-01-06
13	Display Language Selection for Multiline Terminal	0~9, *# Maxmum of 8 digit	Terminal: MLT	678	15-02
14	Text Message Setting	0~9, *# Maxmum of 8 digit	Terminal: MLT	No setting	
15	Enable Handsfree Incoming Intercom Calls	0~9, *# Maxmum of 8 digit	Terminal: MLT	721	20-09-05 20-02-12
16	Force Ringing of Incoming Intercom Calls	0~9, *# Maxmum of 8 digit	Terminal: MLT	723	20-09-05 20-02-12
17	Programmable Function Key Programming (3-Digit Service Codes)	0~9, *# Maxmum of 8 digit	Terminal: MLT	751	15-07 11-11-38

Program

11

Item No.	Item	Input Data	Description	Default	Related Program
18	BGM On/Off	0~9, *# Maxmum of 8 digit	Terminal: MLT	725	
19	Key Touch Tone On/Off	0~9, *# Maxmum of 8 digit	Terminal: MLT	724	
20	Change Incoming CO and ICM Ring Tones	0~9, *# Maxmum of 8 digit	Terminal: MLT	720	15-02
21	Check Incoming Ring Tones	0~9, *# Maxmum of 8 digit	Terminal: MLT	711	
22	Extension Name Programming	0~9, *# Maxmum of 8 digit	Terminal: MLT	700	15-01
23	Second Call for DID/DISA/DIL	0~9, *# Maxmum of 8 digit	Terminal: MLT	679	
24	Change Station Class of Service	0~9, *# Maxmum of 8 digit	Terminal: MLT Allows an extension user to change the COS of another extension. Must be allowed in Program 20-13-28.	677	20-13-28
25	Automatic Transfer Setup for Each Extension Group	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	602	20-11-17 24-05
26	Automatic Transfer Cancellation for Each Extension Group	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	603	
27	Destination of Automatic Transfer Each Extension Group	0~9, *# Maxmum of 8 digit	Terminal: MLT	604	20-11-17 24-05
28	Delayed Transfer for Every Extension Group	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	605	20-11-17 24-05 24-02-08
29	Delayed Transfer Cancellation for Each Extension Group	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	606	20-11-17
30	DND Setup for Each Extension Group	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	607	
31	DND Cancellation for Each Extension Group	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	608	
33	Dial Block	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	600	
34	Temporary Toll Restriction Override	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	775	21-07
35	Pilot Group Withdrawing	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	650	
36	Toll Restriction Override	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	663	21-14
37	Ring Volume Set	0~9, *# Maxmum of 8 digit	Terminal: MLT	729	
38	Programmable Function Key Programming (2-Digit Service Codes)	0~9, *# Maxmum of 8 digit	Terminal: MLT	752	15-07 11-11-17
39	Station Speed Dial Number Entry	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	755	
41	Tandem Ringing	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	No setting	15-07 30-03
43	Headset Mode Switching	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	688	

Item No.	Item	Input Data	Description	Default	Related Program
45	Set/Cancel Call Forward All (Split)	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	682	24-09
46	Set/Cancel Call Forward Busy (Split)	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	683	24-09
47	Set/Cancel Call Forward No Answer (Split)	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	684	24-09
48	Set/Cancel Call Forward Busy No Answer (Split)	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	685	24-09
49	Set/Cancel Call Forward Both Ring (Split)	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	686	24-09
50	Set Message Waiting Indication	0~9, *# Maxmum of 8 digit	Terminal: SLT	No setting	
51	Cancel Message Waiting Indication	0~9, *# Maxmum of 8 digit	Terminal: SLT	No setting	
52	Set/Cancel Call Forward All Destination (No Split)	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	790	24-09
53	Set/Cancel Call Forward Busy Destination (No Split)	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	791	24-09
54	Set/Cancel Call Forward No Answer Destination (No Split)	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	792	24-09
55	Call Forward Busy No Answer Destination (No Split)	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	793	24-09
58	Call Forward with Personal Greeting	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	713	
59	Call Forward to Attendant except Busy	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	696	15-01-08
60	Call Forward to Attendant/No Answer	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	697	15-01-09
62	Adjust of Headset Ring Volume	0~9, *# Maxmum of 8 digit	Terminal: MLT	No setting	11-11-37 15-02-12 15-02-41 15-02-42
65	Headset Mode Switching	0~9, *# Maxmum of 8 digit	Terminal: MLT	No setting	
68	IntraMail Language Selection for own extension	0~9, *# Maxmum of 8 digit	Terminal: MLT,SLT	664	47-02-16
69	IntraMail Language Selection for specific extension	0~9, *# Maxmum of 8 digit	Terminal: MLT,SLT	665	20-13-53 47-02-16
70	Backlight Brightness	0~9, *# Maxmum of 8 digit	Terminal: MLT	705	15-02-61 ~ 15-02-63
71	Auto Backlight	0~9, *# Maxmum of 8 digit	Terminal: MLT	706	15-02-64 15-02-65
72	Headset V.Announce	0~9, *# Maxmum of 8 digit	Terminal: MLT	714	
73	Select Incoming Ring Tones at trunk (V1.5 Added)	0~9, *# Maxmum of 8 digit	Terminal: MLT	761	15-28-01



MLT = Multiline Terminal

SLT = Single Line Telephone

Conditions

None

Feature Cross Reference

None

Program 11 : System Numbering

11-12 : Service Code Setup (for Service Access)

Level IN

Description

Use **Program 11-12 : Service Code Setup (for Service Access)** to customize the Service Codes which are used for service access. You can customize additional Service Codes in Programs 11-10, 11-11, and 11-14 through 11-16.

The following chart shows:

- The number of each code (01 ~ 64).
- The function of the Service Code.
- The type of telephones that can use the Service Code.
- The default entry. For example, dialing (Item 05) cancels a previously set Camp- On.
- Programs that may be affected with the changing the code.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	Bypass Call	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT Activating Call Forwarding/Do Not Disturb Override. This code is available only if you disable the voice mail Single Digit dialing code in Program 11-16-09.	707	
02	Conference	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	#1	
03	Override (Off-Hook Signaling)	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	709	
04	Set Camp-On	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	750	
05	Cancel Camp-On	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	770	
06	Switching of Voice Call and Signal Call	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	712	
07	Step Call	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	708	
08	Barge-In	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	710	
09	Change to STG (Department Group) All Ring	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	No setting	16-02
10	Station Speed Dialing	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	#2	
11	Group Speed Dialing	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	#4	
12	Last Number Dial	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	#5	
13	Saved Number Dial	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	715	
14	Trunk Group Access	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	704	
15	Specified Trunk Access	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	#0	
17	Clear Last Number Dialing Data	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	776	
18	Clear Saved Number Dialing Data	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	785	

Program

11

Item No.	Item	Input Data	Description	Default	Related Program
19	Internal Group Paging	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	701	31-01-01
20	External Paging	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	703	
21	Meet-Me Answer to Specified Internal Paging Group	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	764	31-02-01
22	Meet-Me Answer to External Paging	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	765	
23	Meet-Me Answer in Same Paging Group	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	763	31-02-01
24	Combined Paging	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	*1	31-02-01 31-07
25	Direct Call Pickup - Own Group	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	756	
26	Call Pickup for Specified Group	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	768	23-02
27	Call Pickup	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	*#	23-02
28	Call Pickup for Another Group	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	769	23-02
29	Direct Extension Call Pickup	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	**	
30	Specified Trunk Answer	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	672	
31	Park Hold	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	#6	24-03
32	Answer for Park Hold	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	*6	24-03
33	Group Hold	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	732	
34	Answer for Group Hold	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	762	
35	Station Park Hold	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	757	
36	Door Box Access	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	702	
37	Common Canceling Service Code	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	620	
38	General Purpose Indication	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	783	15-07-56 15-07-57
40	Station Speed Dialing	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	#7	
41	Voice Over	0~9, *# Maxmum of 8 digit	Terminal: MLT	690	11-16-08
42	Flash on Trunk lines	0~9, *# Maxmum of 8 digit	Terminal: SLT	#3	
43	Answer No-Ring Line (Universal Answer)	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	#9	14-05 14-06
44	Callback Test for SLT	0~9, *# Maxmum of 8 digit	Terminal: SLT	799	
45	Enabled On Hook When Holding (SLT)	0~9, *# Maxmum of 8 digit	Terminal: SLT	749	15-03-07
46	Answer On Hook When Holding (SLT)	0~9, *# Maxmum of 8 digit	Terminal: SLT	759	15-03-08
47	Call Waiting Answer/Split Answer	0~9, *# Maxmum of 8 digit	Terminal: SLT Splitting (switching) between calls	794	11-12-03
48	Account Code	0~9, *# Maxmum of 8 digit	Terminal: SLT	##	
51	VM Access	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	*8	
53	Live Recording at SLT	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	654	

Item No.	Item	Input Data	Description	Default	Related Program
54	VRS Routing for ANI/DNIS	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT Use when setting up ANI/DNIS Routing to the VRS Automated Attendant. Using the Transfer feature, this also allows a call to be transferred to the VRS.	782	
56	E911 Alarm Shut Off	0~9, *# Maxmum of 8 digit	Terminal: MLT Enter the Service Code that an extension user can dial to shut off the E911 Alarm Ring.	786	21-01-13 21-01-14
57	Tandem Trunking	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	#8	
58	Transfer Into Conference	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT Assign the Service Code a user dials to Transfer a call to a Conference call.	624	
59	Trunk Drop Operation for SLT	0~9, *# Maxmum of 8 digit	Terminal: SLT	660	
62	Security Sensor Reset	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT Service Code setting for cancel Warning message sending and emergency call.	716	
63	Watch Mode Start	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT Service Code (SC) setting for on/off watch mode. SC+1; Watch mode start SC+0; Watch mode end.	717	
64	Security Sensor Mode Start	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT Service Code (SC) setting for on/off security sensor. SC+1; Start sensor detection SC+0; Ignore sensor detection	719	



MLT = Multiline Terminal

SLT = Single Line Telephone

Conditions

None

Feature Cross Reference

None

Program 11 : System Numbering

11-14 : Service Code Setup (for Hotel)

Level
IN

Program

Description

Use **Program 11-14 : Service Code Setup (for Hotel)** to customize the Service Codes which are used with the Hotel/Motel feature. You can customize additional Service Codes in Programs 11-10 ~ 11-12, 11-15 and 11-16. The Service Codes can be used only at telephones registered as hotel terminals in Program 42-02.

The following chart shows:

- The number of each code (01 ~ 19).
- The function of the Service Code.
- The type of telephones that can use the Service Code.
- The default entry.

Input Data

Item No.	Item	Input Data	Description	Default
01	Set DND for Own Extension	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	627
02	Cancel DND for Own Extension	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	628
03	Set DND for Other Extension	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	629
04	Cancel DND for Other Extension	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	630
05	Set Wake Up Call for Own Extension	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	631
06	Cancel Wake Up Call for Own Extension	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	632
07	Set Wake Up Call for Other Extension	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	633
08	Cancel Wake Up Call for Other Extension	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	634
09	Set Room to Room Call Restriction	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	635
10	Cancel Room to Room Call Restriction (Hotel)	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	636
11	Change Toll Restriction Class for Other Extension	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	637
12	Check-In	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	638
13	Check-Out	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	639
14	Room Status Change for Own Extension	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	640
15	Room Status Change for Other Extension	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	641
16	Room Status Output	0~9, *# Maxmum of 8 digit	Terminal: MLT	642
17	Hotel Room Monitor	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	675
18	Hotel PMS Toll Restriction Set	0~9, *# Maxmum of 8 digit	Terminal: MLT	666
19	Hotel Room Data Set	0~9, *# Maxmum of 8 digit	Terminal: MLT, SLT	No Setting



MLT = Multiline Terminal

SLT = Single Line Telephone

Conditions

None

Feature Cross Reference

- Hotel/Motel

Program 11 : System Numbering

11-15 : Service Code Setup, Administrative (for Special Access)

Level
IN

Program

11

Description

Use **Program 11-15 : Service Code Setup, Administrative (for Special Access)** to customize the special access Service Codes which are used by the administrator in the Hotel/Motel feature. You can customize additional Service Codes in Programs 11-10 ~ 11-14 and 11-16.

The following chart shows:

- The number of each code (01 ~ 14).
- The function of the Service Code.
- What type of telephones can use the Service Code.
- The default entry.
- Programs that may be affected when changing the code.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	Remote Maintenance	0~9, *# Maximum of 8 digit		730	
05	System Programming Mode, Log-On	0~9, *# Maximum of 8 digit	Terminal: MLT	# * #*	11-01
09	Transfer to Incoming Ring Group	0~9, *# Maximum of 8 digit		No Setting	
12	Extension Data Swap	0~9, *# Maximum of 8 digit	Terminal: MLT	No Setting	92-04
13	Remote Access from DISA	0~9, *# Maximum of 8 digit		No Setting	22-02
14	Modem Access	0~9, *# Maximum of 8 digit		740	



MLT = Multiline Terminal

SLT = Single Line Telephone

Conditions

None

Feature Cross Reference

None

Program 11 : System Numbering

11-16 : Single Digit Service Code Setup

Level
IN

Program

11

Description

Use **Program 11-16 : Single Digit Service Code Setup** to customize the one-digit Service Codes used when a busy or ring back signal is heard. You can customize additional Service Codes in Programs 11-10 ~ 11-15.

The following chart shows:

- The number of each code (01 ~ 11).
- The function of the Service Code.
- The default entry. For example, dialing 1 (Item 03) when calling an extension switches the call from either a voice or signal call (depending on how it is currently defined).
- Programs that may be affected by changing these codes.

Input Data

Item No.	Item	Default	Related Program	Note
01	Step Call	2		
02	Barge-In	No Setting		
03	Switching of Voice/Signal Call	1		
04	Intercom Off-Hook Signaling	*		
05	Camp-On	#		
06	DND/Call Forward Override Bypass	No Setting		
07	Message Waiting	No Setting (V2.1 Changed)		
08	Voice Over	6		
09	Access to Voice Mail	8		
10	(Department) STG All Ring Mode	No Setting	16-01-05	
11	Station Park Hold	No Setting		

Conditions

None

Feature Cross Reference

None

Program 11 : System Numbering

11-19 : Remote Conference Pilot Number Setup

Level
IN

Description

Use **Program 11-19 : Remote Conference Pilot Number Setup** to assign the pilot number to be used for the Remote Conference. This is the number that outside parties will call in order to connect to a conference.

Input Data

Conference Group Number	1 ~ 4
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Item No.	Item	Input Data	Default	Related Program
01	Remote Conference Group Pilot Number	Dial (Up to 8 digits)	Note	20-13-46 20-34

Default

No Remote Conference Pilot Numbers assigned to any Conference Group (1 ~ 4).

Conditions

None

Feature Cross Reference

- Conference, Remote

Program

11

Program 11 : System Numbering

11-20 : Dial Extension Analyze Table

Level
IN

Program

11

Description

Use **Program 11-20 : Dial Extension Analyze Table** to define the dial type based on three or more digits. This program is relevant only if digits in 11-01-01 are set to 9 (Dial Extension Analyze).

Input Data

Dial Extension Analyze Table		001 ~ 128		
Item No.	Item	Input Data	Default	Related Program
01	Dial Extension Analyze Table	Dial (Up to eight digits : 0, 1 ~ 9, #, *, @)	No Setting	11-01
02	Dial Extension Analyze Table	Type of Dials : 0 = Not used 1 = Service Code 2 = Extension Number 5 = Operator Access 6 = F-Route Access	0	11-01

Conditions

- When the system uses the Dial Extension Analyze Table to determine the dial type, the lower table has priority. For example, if Table 1 has 211 defined and Table 2 has 2113 defined, Table 1 is used to determine the dial type.

Feature Cross Reference

None

Program 12 : Night Mode Setup

12-01 : Night Mode Function Setup

Level
IN

Description

Use **Program 12-01 : Night Mode Function Setup** to set up the Night Mode options. Refer to the following chart for a description of each option, its range and default setting.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	Manual Night Mode Switching	0 = Off 1 = On	Allow/Prevent a activating Night Service by dialing a service code.	1	11-10-01
02	Automatic Night Mode Switching	0 = Off 1 = On	According to a preset schedule, enable or disable Automatic Night Service for the system.	0	12-02 12-03



Even if the operation mode is changed manually, the operation mode changes according to the schedule set up.

Conditions

None

Feature Cross Reference

- Night Service

Program

12

Program 12 : Night Mode Setup

12-02 : Automatic Night Service Patterns

Level
SA

Program

Description

Use **Program 12-02 : Automatic Night Service Patterns** to define the daily pattern of the Automatic Mode Switching. Each Mode Group has 10 patterns. These patterns are used in Programs 12-03 and 12-04. The daily pattern consists of 20 timer Settings.

Input Data

Night Mode Service Group Number		01 ~ 04	
Time Pattern Number		01 ~ 10	
Set Time Number		01 ~ 20	
Item No.	Item	Input Data	Default
01	Start Time	0000 ~ 2359	Refer below
02	End Time	0000 ~ 2359	
03	Operation Mode	1 ~ 8	

Example :

Time Pattern 1

0:00	9:00	12:00	13:00	17:00	18:00	22:00	0:00
Mode 3	Mode 1	Mode 4	Mode 1	Mode 4	Mode 2	Mode 3	
(midnight)	(day)	(rest)	(day)	(rest)	(night)	(midnight)	

To make the above schedule, it is necessary to set the data as follows:

Time setting 01 :	00 : 00 to 09 : 00	Mode 3 (midnight)
Time setting 02 :	09 : 00 to 12 : 00	Mode 1 (day)
Time setting 03 :	12 : 00 to 13 : 00	Mode 4 (rest)
Time setting 04 :	13 : 00 to 17 : 00	Mode 1 (day)
Time setting 05 :	17 : 00 to 18 : 00	Mode 4 (rest)
Time setting 06 :	18 : 00 to 22 : 00	Mode 2 (night)
Time setting 07 :	22 : 00 to 00 : 00	Mode 3 (midnight)

Time Pattern 2

00 : 00	00 : 00	
Mode 2		
(night)		
Time setting 01 :	00 : 00 to 00 : 00	Mode 2 (night)

Default

Time Pattern 1

Set Time Number	Start Time	End Time	Mode
01	0000	0800	2
02	0800	1700	1
03	1700	0000	2
04	0000	0000	1
:	:	:	:
20	0000	0000	1

Time Pattern 2

Set Time Number	Start Time	End Time	Mode
01	0000	0000	2
02	0000	0000	1
:	:	:	:
20	0000	0000	1

Time Pattern 3 ~ 10

Set Time Number	Start Time	End Time	Mode
01	0000	0000	1
:	:	:	:
20	0000	0000	1

Conditions

None

Feature Cross Reference

- Night Service

Program 12 : Night Mode Setup

12-03 : Weekly Night Service Switching

Level

SA

Program

12

Description

Use **Program 12-03 : Weekly Night Service Switching** to define a weekly schedule of night-switch settings. 21-02 : Trunk Group Routing for Extensions

Input Data

Night Mode Service Group Number	01 ~ 04
---------------------------------	---------

Item No.	Day of the Week	Time Schedule Pattern Number
01	01 = Sunday	0 ~ 10
	02 = Monday	
	03 = Tuesday	
	04 = Wednesday	
	05 = Thursday	
	06 = Friday	
	07 = Saturday	

Default

Day of the Week	Time Schedule Pattern Number
01 = Sunday	2
02 = Monday	1
03 = Tuesday	1
04 = Wednesday	1
05 = Thursday	1
06 = Friday	1
07 = Saturday	2

Conditions

None

Feature Cross Reference

- Night Service

Program 12 : Night Mode Setup

12-04 : Holiday Night Service Switching

Level
SA

Description

Use **Program 12-04 : Holiday Night Service Switching** to define a yearly schedule of holiday night-switch settings. This schedule is used for the setting of special days when the company is expected to be closed, such as a national holiday.

Input Data

Night Mode Service Group Number		01 ~ 04
Item No.	Days and Months	Time Pattern Number
01	0101 ~ 1231 (e.g. 0101 = Jan. 1, 1231 = Dec. 31)	0 ~ 10 (0 = No setting)

Default

No setting

Conditions

None

Feature Cross Reference

- Night Service

Program

12

Program 12 : Night Mode Setup

12-05 : Night Mode Group Assignment for Extensions

Level

IN

Program

Description

Use **Program 12-05 : Night Mode Group Assignment for Extensions** to assign Day/Night Mode Group for each extension.

Input Data

Extension Number	Up to eight digits
------------------	--------------------

Item No.	Item	Input Data	Default
01	Night Mode Service Group Number	01 ~ 04	1

Conditions

None

Feature Cross Reference

- Night Service

Program 12 : Night Mode Setup

12-06 : Night Mode Group Assignment for Trunks

Level
IN

Description

Use **Program 12-06 : Night Mode Group Assignment for Trunks** to assign a Day/Night Mode Group for each trunk port.

Input Data

Trunk Port Number	001 ~ 096
-------------------	-----------

Item No.	Item	Input Data	Default
01	Night Mode Service Group Number	01 ~ 04	1

Conditions

None

Feature Cross Reference

- Night Service

Program

12

Program 12 : Night Mode Setup

12-07 : Text Data for Night Mode

Level

IN

Program

Description

Use **Program 12-07 : Text Data for Night Mode** to make an original text message which is displayed on an LCD of Multiline telephone in each Mode.

Input Data

Night Mode Service Group Number	01 ~ 04
Day/Night Mode	1 ~ 8
Item No.	Text Message
01	Maximum 12 Characters (alphabetic or numeric)

Default

- Mode 1 = No setting
- Mode 2 = <Night>
- Mode 3 = <Mid-night>
- Mode 4 = <Rest>
- Mode 5 = <Day2>
- Mode 6 = <Night2>
- Mode 7 = <Midnight2>
- Mode 8 = <Rest2>

Conditions

None

Feature Cross Reference

- Night Service

Program 12 : Night Mode Setup

12-08 : Night Mode Service Range

Level
SA

Description

Use **Program 12-08 : Night Mode Service Range** to define the changing range of toggle key for each Day/Night Mode.

Input Data

Night Mode Service Group Number	01 ~ 04
Item No.	Range
01	2 ~ 8 (default = 2)

Example :

When Program 12-08 is set to 3 and the Mode Key is pressed, the following modes are switched :

- Press once = Night
- Press twice = Mid-night
- Press third = Day
- Default = 2

Conditions

None

Feature Cross Reference

- Night Service

Program

12

Program 13 : Abbreviated Dialing

13-01 : Speed Dialing Option Setup

Level
IN

Program

Description

Use **Program 13-01 : Speed Dialing Option Setup** to define the Speed Dialing functions.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	Speed Dialing Auto Outgoing Call Mode	0 = Trunk Outgoing Mode 1 = Intercom Outgoing Mode	Set where the Speed Dial bins will use Trunk Routing (0) or dial the bin as though it is an Intercom number (1).	0	13-05
02	Private Speed Dial	0 = Do not use 1 = Use	Define use additional 20 Private speed dial bin beside 1000 Common speed dial bin or not.	1	13-06
03	Number of Common Speed Dialing Bins	0 ~ 1000 0 = No Common Speed Dialing	Assign the number of Speed Dial bins that are used for System Speed Dials.	900	13-04

Conditions

None

Feature Cross Reference

- Abbreviated Dialing/Speed Dial

Program 13 : Abbreviated Dialing

13-02 : Group Speed Dialing Bins

Level
IN

Description

Use **Program 13-02 : Group Speed Dialing Bins** to define the range of bin numbers to be used by each Speed Dialing group.
(Refer to 13-03 : Speed Dialing Group Assignment for Extensions.)

Input Data

Item No.	Speed Dialing Group Number	Start Address of Speed Dialing Bin	End Address of Speed Dialing Bin
01	01 ~ 32 Set the range of group speed dial bins	0 ~ 990	0, 9 ~ 999

Default

- No setting

Conditions

None

Feature Cross Reference

- Abbreviated Dialing/Speed Dial

Program

13

Program 13 : Abbreviated Dialing

13-03 : Speed Dialing Group Assignment for Extensions

Level

IN

Program

Description

Use **Program 13-03 : Speed Dialing Group Assignment for Extensions** to assign Speed Dialing Group for each extension. There are 32 available Speed Dialing groups.

Input Data

Extension Number	Up to 8 digits	
Item No.	Group Number	Default Value
01	01 ~ 32 Assign group number for extension	1

Conditions

None

Feature Cross Reference

- Abbreviated Dialing/Speed Dial

Program 13 : Abbreviated Dialing

13-04 : Speed Dialing Number and Name





Level
SB

Description

Use **Program 13-04 : Speed Dialing Number and Name** to store Speed Dialing data in the Speed Dialing areas. This program is also used to define the names assigned to the Speed Dialing numbers.




Input Data

Speed Dialing Bin Number	000 ~ 999
--------------------------	-----------

Item No.	Item	Input Data	Description	Default	Related Program
01	Speed Dialing Data	1 ~ 9, 0, *, #, Pause (Press line key 1), Recall/Flash (Press line key 2), @ = Code to wait for answer supervision in ISDN (Press line key 3) (Maximum 36 digits)	Assign dial number for 000-999 bins	No Setting	
02	Name	Maximum 12 Characters (Use dial pad to enter name)		No Setting	
03	Transfer Mode	0 = Not Used 1 = Internal Dial 2 = Incoming Ring Group (IRG) 3 = Remote Monitor	 Each time when this setting is changed Program 13-04-04 will be reset. (V1.5 Added)	0	
04	Transfer Destination Number	If Transfer mode is (Refer to 13-04-03) : 1 = Internal Dial Mode 1 ~ 9, 0, *, #, P, R, @ (Maximum 36 Characters) 2 = Incoming Ring Group 0 ~ 25 (IRG Number) P = Pause R = Recall @ = Additional Digits when using ISDN functionality 3 = Remote Monitor Dial (Up to 8 digits)	 This setting can be changed only when Program 13-04-03 is set other than 0. Also if the Program 13-04-03 is set to 3 only Extension number can be changed. (V1.5 Added)	No Setting	13-04-03
05	Incoming Ring Pattern	Incoming Ring Pattern 0 = Normal Pattern 1 ~ 4 = Tone Pattern (1 ~ 4) 5 ~ 9 = Scale Pattern (1 ~ 5)		0	13-04-03
06	CR/PR feature	0 = Disable 1 = Enable		0	14-05
07	VRS Message Number	0 ~ 100	 If the VRS can not be played it will use a Program 13-04-05 Ringing Pattern. (V1.5 Added)	0	
08	Memo1 (V1.5 Deleted)	Maximum 28 digit	 Can only be changed in WebPro or PCPro.	No Setting	15-02-58

Program

13

Item No.	Item	Input Data	Description	Default	Related Program
09	Memo2 (V1.5 Deleted)	Maximum 28 digit	 <i>Can only be changed in WebPro or PCPro.</i>	No Setting	15-02-58
10	Memo3 (V1.5 Deleted)	Maximum 28 digit	 <i>Can only be changed in WebPro or PCPro.</i>	No Setting	15-02-58
11	Mailbox Number	0 ~ 544	 <i>This setting only works when Program 13-04-01 Speed Dial and Incoming Trunk Call match. (V1.5 Added)</i>	0	40-02
12	Type	0 = None 1 = Work 2 = Mobile 3 = Voice Mail 4 = Home 5 = Other		0	

Conditions

None

Feature Cross Reference

- Abbreviated Dialing/Speed Dial

Program 13 : Abbreviated Dialing

13-05 : Speed Dial Trunk Group

Level
SB

Description

Use **Program 13-05 : Speed Dialing Trunk Group** to define the trunk group to be seized for each Speed Dialing number.

If this program has an entry of 0 (no setting), then seizing a line follows the trunk access group routing of the caller's extension (refer to Program 14-06). This setting is available only in External Speed Dialing Mode (Program 13-01-01).

Input Data

Speed Dialing Bin Number	000 ~ 999
--------------------------	-----------

Item No.	Item	Input Data	Default
01	Trunk Group Number	0 ~ 25	No setting

Conditions

None

Feature Cross Reference

- Abbreviated Dialing/Speed Dial

Program

13

Program 13 : Abbreviated Dialing

13-06 : Speed Dial Number and Name

Level

SB

Program

Description

Use **Program 13-06 : Speed Dial Number and Name** to set up the dial number and name of each Speed Dial Number.

Input Data

Extension Number	Up to 8 digits
------------------	----------------

Speed Dial Number	01 ~ 20
-------------------	---------

Item No.	Item	Input Data	Default
01	Speed Dialing Data	1 ~ 9, 0, *, #, Pause (Press line key 1), Recall/Flash (Press line key 2), @ = Code to wait for answer supervision in ISDN (Press line key 3) (Maximum 36 digits)	No setting
	Name	Maximum 12 Characters (Use dial pad to enter name)	
02	Type	0 = None 1 = Work 2 = Mobile 3 = Voice Mail 4 = Home 5 = Other	0

Conditions

None

Feature Cross Reference

- Abbreviated Dialing/Speed Dial

Program 13 : Abbreviated Dialing

13-11 : Abbreviated Dial Group Name

Level
SB

Description

Use **Program 13-11 : Abbreviated Dial Group Name** to set the name of Abbreviated Dial Group Name.

Input Data

Group Number		01 ~ 32	
Item No.	Item	Input Data	Default
01	Group Name	Up to 12 characters	1 = ABB : GROUP01 : 32 = ABB : GROUP32

Conditions

None

Feature Cross Reference

None

Program

13

Program 14 : Trunk, Basic Setup

14-01 : Basic Trunk Data Setup

Level
IN

Program

Description

Use **Program 14-01 : Basic Trunk Data Setup** to set the basic options for each trunk port. Refer to the chart below for a description of each option, its range and default setting.

Input Data

Trunk Port Number		001 ~ 096			
Item No.	Item	Input Data	Description	Default	Related Program
01	Trunk Name	Up to 12 characters	Set the names for trunks. The trunk name displays on a multiline terminal for incoming and outgoing calls.	Refer below	
02	Transmit Level	1 ~ 63 (- 15.5 dB ~ + 15.5 dB in 0.5 dB intervals)	Use this option to select the CODEC gain for the trunk. The option sets the gain (signal amplification) for the trunk you are programming.	32 (0 dB)	
03	Receive Level	1 ~ 63 (- 15.5 dB ~ + 15.5 dB in 0.5 dB intervals)	Use this option to select the CODEC gain for the trunk. The option sets the gain (signal amplification) for the trunk you are programming.	32 (0 dB)	
04	Transmit Gain Level for Conference and Transfer Calls	1 ~ 63 (- 15.5 dB ~ + 15.5 dB in 0.5 dB intervals)	Use this option to select the CODEC gain type used by the trunk when it is part of an Unsupervised Conference.	32 (0 dB)	
05	Receive Gain Level for Conference and Transfer Calls	1 ~ 63 (- 15.5 dB ~ + 15.5 dB in 0.5 dB intervals)	Use this option to select the CODEC gain type used by the trunk when it is part of an Unsupervised Conference.	32 (0 dB)	
06	SMDR Printout	0 = No Print Out 1 = Prints Out	Use this option to have the system include/exclude the trunk you are programming from the SMDR printout. Refer to Programs 35-01 and 35-02 for SMDR printout options.	1	
07	Outgoing Calls	0 = Deny (No) 1 = Allow (Yes)	Use this option to allow/prevent outgoing calls on the trunk you are programming.	1	
08	Toll Restriction	0 = Restriction Disabled (No) 1 = Restriction Enabled (Yes)	Use this option to enable/disable Toll Restriction for the trunk. If enabled, the trunk follows Toll Restriction programming (example: Programs 21-05, 21-06). If disabled, the trunk is a toll free line.	1	21-04 21-05 21-06
09	Private Line	0 = Disable Private Line (Normal) 1 = Enable Private Line (Private Line)		0	
10	DTMF Tones for Outgoing Calls	0 = Disable (No) 1 = Enable (Yes)	Use this option to enable (1) or disable (0) DTMF tones for outgoing trunk calls.	0	
11	Account Code Required	0 = Disable (No) 1 = Enable (Yes)		1	
13	Trunk-to-Trunk Transfer	0 = Disable (No) 1 = Enable (Yes)	Use this option to enable (1) or disable (0) loop supervision for the trunk. This option is required for Call Forwarding Off-Premise and Tandem Trunking only.	1	

Item No.	Item	Input Data	Description	Default	Related Program
14	Long Conversation Cutoff	0 = Disable (No) 1 = Enable (Yes)	Use this option to enable or disable the Long Conversation Cutoff feature for each trunk.	0	20-21-03 20-21-04
15	Long Conversation Alarm Before Cutoff	0 = Disable (No) 1 = Enable (Yes)	Use this option to enable or disable the Long Conversation Alarm for each trunk.	0	20-21-01 20-21-02
16	Forced Release of Held Call	0 = Disable (No) 1 = Enable (Yes)	Use this option to enable/disable forced release for calls on Hold. If enabled, the system disconnects a call if it is on Hold longer than a programmed interval (Program 24-01-05). If disabled, forced disconnection does not occur. Program 24-01-01 also affects this option.	0	24-01-01 24-01-05
17	Trunk to Trunk Warning Tone for Long Conversation Alarm	0 = Disable (No) 1 = Enable (Yes)	Use this option to enable or disable the Warning Tone for Long Conversation feature for DISA callers.	0	
18	Warning Beep Tone Signaling	0 = Disable (No) 1 = Enable (Yes)		0	
19	Privacy Mode Toggle Option	0 = Disable (No) 1 = Enable (Yes)	Use this option to enable or disable a trunk ability to be switched from private to non-private mode by pressing the line key or Privacy Release function key.	0	
20	Block Outgoing Caller ID	0 = Prevent (No) 1 = Allow (Yes)	Allow (1) or prevent (0) the system from automatically blocking outgoing Caller ID information when a user places a call. If allowed (i.e. block, enabled), the system automatically inserts the Caller ID block code (defined in 14-01-21) before the user dialed digits.	0	14-01-21 20-08-15
21	Caller ID Block Code	Dial (up to eight digits)	Enter the code, up to 8 digits, that should be used as the Caller ID Block Code. This code is automatically inserted before dialed digits if Program 14-01-20 is set to 1.	1831	14-01-20 20-08-15
22	Caller ID to Voice Mail	0 = Disable (No) 1 = Enable (Yes)	Enable or disable the system ability to send the Caller ID digits (Remote Log-On Protocol) to voice mail.	1 (V2.1 Changed)	
24	Trunk-to-Trunk Outgoing Caller ID through Mode	0 = Disable (No) 1 = Enable (Yes)	Enable (1) or Disable (0) the ability to send the original Caller ID through when the call is Forward Off-Premise.	0	
25	Continued/Discontinued Trunk-to-Trunk Conversation	0 = Disable (No) 1 = Enable (Yes)	Enable (1) or Disable (0) the ability to dial a service code to continue or disconnect the Trunk-to-Trunk conversation after the alert tone is heard.	0	20-28-01 20-28-02 20-28-03 24-02-07 24-02-10 25-07-07 25-07-08
26	Automatic Trunk-to-Trunk Transfer Mode	0 = Normal Transfer (Normal) 1 = Step Transfer (Step)		0	24-02-11 24-02-12
27	Caller ID Refuse Setup	0 = Disable (No) 1 = Enable (Yes)		0	
28	Effectively of "Conversation Recording Destination for Extension"	0 = No Effect (No) 1 = Available (Yes)		1	15-12
30	Flexible Ringing by Caller ID	0 = Disable (No) 1 = Enable (Yes)		1	13-04
32	Anti-trombone Function	0 = No Effect (No) 1 = Available (Yes)		0	

Item No.	Item	Input Data	Description	Default	Related Program
33	APSU(VM00) Trunk Receive Gain	1 ~ 63 (- 15.5 dB ~ + 15.5 dB in 0.5 dB intervals)	Additional PAD when a trunk call connects to APSU Voice Mail.	32 (0 dB)	
40	ISDN Queue announcement connect mode (V2.0 Added)	0 = send CONNECT 1 = send PROGRESS #8	When a VRS queue message is to be played back (configured in PRG 22-14, PRG 22-15, PRG 41-11, or PRG 41-19, the system shall, instead of a CONNECT message, send a PROGRESS message including a ProgressIE #8 "in-band tones and announcements available".	0	22-14 22-15 41-11 41-19
41	Incoming Caller Name Usage (V2.0 Added)	0 = Use 1 = Ignore	This program will determines that the caller name information from the network is valid or not. If the program is set to 1, the caller name information the network provides is ignored.	0	

Default

Item01 : Trunk Name

Trunk Port Number	Name
1	Line 001
2	Line 002
:	:
96	Line 096

Conditions

None

Feature Cross Reference

None

Program 14 : Trunk, Basic Setup

14-02 : Analog Trunk Data Setup

Level
IN

Description

Use **Program 14-02 : Analog Trunk Data Setup** to set the basic options for each analog trunk port. Refer to the table below for a description of each option, its range and default setting.

Input Data

Trunk Port Number		001 ~ 096			
Item No.	Item	Input Data	Description	Default	Related Program
01	Signaling Type (DP/DTMF)	0 = Dial Pulse (10 PPS) (Not Used) 2 = DTMF	This option sets the signaling type for the trunk.	2	
02	Ring Detect Type	0 = Normal/delayed 1 = Immediate Ringing	This option sets Extended Ring Detect or Immediate Ring Detect for the trunk. For T1 loop/ground start trunks, this option must be set to 1 for the trunks to ring and light correctly.	1	
03	Flash Type	0 = Open Loop Flash 1 = Ground	This option selects the flash type (open loop flash or ground). Always set this option for open loop flash.	0	
04	Hooking Type	0 = Timed Flash (Hooking) 1 = Disconnect (Cut)	This option lets you use Flash for Timed Flash (Program 81-01-14) or Disconnect (Program 81-01-15). (A user implements Flash by pressing the FLASH key while on a trunk call.)	0	81-01-14 81-01-15
05	Dial Tone Detection for Manually Accessed Trunks	0 = Dial Tone Detection Not Used 1 = Dial Tone Detection Used	Use this option enable/disable dial tone detection for directly accessed trunks. If disabled, the system outdials on the trunks without monitoring for dial tone.	0	21-01-04
06	Pause at 1st Digit after Line Seize in Manual Dial Mode	0 = No Pause (No) 1 = Pause (Yes)		1	21-01-06
07	DP to DTMF Conversion Options	0 = Automatic 1 = Automatic and Manual 2 = Manual	Determine how a user can convert a Dial Pulse (DP) call to a DTMF call. For each trunk, set the type of DP to DTMF conversion required. There are three conversion options: Automatic: DP to DTMF conversion occurs automatically if the extension user waits more than 10 seconds before dialing the next digit. Automatic and Manual: DP to DTMF conversion occurs automatically if the extension user waits more than 10 seconds before dialing the next digit. In addition, the user can dial # to switch a DP trunk to DTMF dialing. Manual: Users can dial # to switch a DP trunk to DTMF dialing.	2	21-01-03
08	Answering Condition	0 = Polarity Reversing (Polarity) 1 = Polarity Reversing or Timer (Int Digit)		1	21-01-03

Program

14

Item No.	Item	Input Data	Description	Default	Related Program
09	Busy Tone Detection	0 = Disable (No) 1 = Enable (Yes)		1	
10	Caller ID	0 = No 1 = Yes	Enable or disable a trunk ability to receive Caller ID information.	1 (V1.5 Changed)	
11	Next Trunk in Rotary if No Dial Tone	0 = Disable (No) 1 = Enable (Yes)	Use this option to enable/disable the system ability to skip over a trunk if dial tone is not detected. This option pertains to calls placed using Speed Dial, ARS, Last Number Redial or Save Number dialed. It does not pertain to line key or Direct Trunk Access calls.	0	
12	Detect Network Disconnect Signal	0 = Disable (No) 1 = Enable (Yes)		0	
13	Trunk-to-Trunk Limitation	0 = Disable (No) 1 = Enable (Yes)		0	
16	Caller ID Type	0 = FSK 1 = DTMF		0	
18	Busy Tone Detection on Talking	0 = Disable 1 = Enable		0	
19	Busy Tone Detection Frequency	1 ~ 255		1	14-02-18
20	Busy Tone Detection Interval	0 ~ 64800 (x 100 ms)		0	14-02-18

Conditions

None

Feature Cross Reference

None

Program 14 : Trunk, Basic Setup

14-04 : Behind PBX Setup

Level
IN

Description

Use **Program 14-04 : Behind PBX Setup** to indicate if the trunk is installed behind a PBX. There is one item for each mode.

Input Data

Trunk Port Number		001 ~ 096		
Item No.	Day/Night Mode	Type of Connection	Default	Related Program
01	1 ~ 8	0 = Stand Alone (Trunk) 1 = Behind PBX (PBX) 3 = CTX assume 9	0	22-02

Conditions

None

Feature Cross Reference

- Central Office Calls, Placing

Program

14

Program 14 : Trunk, Basic Setup

14-05 : Trunk Group

Level

IN

Program

14

Description

Use **Program 14-05 : Trunk Group** to assign trunks to Trunk Groups. You can also assign the outbound priority for trunks within the group. When users dial up the trunk group, they seize the trunks in the order you specify in the outbound priority entry.

Input Data

Trunk Port Number	001 ~ 096
-------------------	-----------

Item No.	Trunk Group Number	Priority Number
01	0 ~ 25	001~ 096

Default

Trunk Port	Group	Priority
1	1	1
:	:	:
096	1	096

Conditions

None

Feature Cross Reference

- Trunk Groups

Program 14 : Trunk, Basic Setup

14-06 : Trunk Group Routing

Level
IN

Description

Use **Program 14-06 : Trunk Group Routing** to set up an outbound routing table for the trunk groups you assigned in Program 14-05. When a user dial 9, the system routes their calls in the order (priority) specified. For example, if a user dials 9 and all calls in the first group are busy, the system may route the call to another group. Trunk Access Map programming (Programs 14-07) may limit this option. The system contains 25 routing tables for trunk access. Each table has four priority orders for trunk access. There are 25 available Trunk Group Numbers.

Example for setting:

With less than four trunk groups,
Route Number 1 : Order 1 - Trunk Group 1
: Order 2 - Trunk Group 2

For the above setting, if all the lines in trunk group 1 are busy, the system searches for an idle line in trunk group 2.

With more than four trunk groups,
Route Number 1 : Order 1 - Trunk Group 1
: Order 2 - Trunk Group 2
: Order 3 - Trunk Group 3
: Order 4 - 1002 (Jump To Route Number 2)
Route Number 2 : Order 1 - Trunk Group 4
: Order 2 - Trunk Group 5

For the above setting, if all the lines in the trunk groups 1, 2 and 3 are busy, the system searches for an idle line in trunk groups 4 and 5.

Input Data

Route Table Number		001 ~ 025		
Item No.	Item	Input Data	Default	Related Program
01	Priority Order Number 1 ~ 4	0 = Not Set 001 ~ 025 = Trunk group No. 1001 ~ 1025 = 1000 + Route Table No.	Route 1, Order Number 1 = 1 (Trunk Group 1) Order Numbers 2, 3, 4 = 0 (Not Specified) All Other Routes (2 ~ 25) and Order Numbers (1 ~ 4) = 0 (Not Specified)	14-01-07 14-05 15-01-02 21-02

Conditions

None

Feature Cross Reference

None

Program

14

Program 14 : Trunk, Basic Setup

14-07 : Trunk Access Map Setup

Level
IN

Program

14

Description

Use **Program 14-07 : Trunk Access Map Setup** to set up the Trunk Access Maps. This sets an extension access options for trunks. For example, an extension can place only outgoing calls on trunks to which it has outgoing access. There are 96 Access Maps with all 96 trunk ports programmed in Map 1 with full access.

An extension can use one of the maps you set up in this program. Use Program 15-06 to assign Trunk Access Maps to extensions. Each trunk can have one of eight access options for each Access Map.



Emergency calls will override Program 14-07 settings.

Input Data

Access Map Number	001 ~ 096
-------------------	-----------

Item No.	Trunk Port Number	Input Data
01	001 ~ 096	0 = No access 1 = Outgoing access only 2 = Incoming access only 3 = Access only when trunk on Hold 4 = Outgoing access and access when trunk on Hold 5 = Incoming access and access when trunk on Hold 6 = Incoming and Outgoing access 7 = Incoming access, outgoing access and access when trunk on Hold

Default

Access map No.	Trunk Port No.	Default
1	1	7 (T, R, H)
	2	7 (T, R, H)
	:	:
	096	7 (T, R, H)
2	1	7 (T, R, H)
	2	7 (T, R, H)
	:	:
	096	7 (T, R, H)
:	1	7 (T, R, H)
	2	7 (T, R, H)
	:	:
	096	7 (T, R, H)
096	1	7 (T, R, H)
	2	7 (T, R, H)
	:	:
	096	7 (T, R, H)

Conditions

None

Feature Cross Reference

- Central Office Calls, Answering
- Central Office Calls, Placing

Program 14 : Trunk, Basic Setup

14-08 : Music on Hold Source for Trunks

Level
IN

Description

Use **Program 14-08 : Music on Hold Source for Trunks** to define a Music on Hold source for a trunk as COI port.

Input Data

Trunk Port Number		001 ~ 096		
Item No.	Item	Input Data	Description	Default
01	MOH Type	0 = Internal synthesized/external MOH 1 = A customer-provided source connected to BGM port	Select Music on Hold source for the trunk.	0

Conditions

None

Feature Cross Reference

- Music on Hold

Program

14

Program 14 : Trunk, Basic Setup

14-09 : Conversation Recording Destination for Trunks

Level

IN

Program

14

Description

Use **Program 14-09 : Conversation Recording Destination for Trunks** to set the Conversation Recording destination for each trunk.



If both Programs 14-09 and 15-12 define a destination, the destination in Program 15-12 is followed.

Input Data

Trunk Port Number		001 ~ 096		
Item No.	Item	Input Data	Description	Default
01	Recording Destination Extension Number	Maximum eight digits	Enter the extension number where the trunk calls should be recorded.	No Setting
02	Automatic Recording for Incoming Calls	0 = Off 1 = On	Determine if incoming trunk calls should be automatically recorded.	0
04	Automatic Recording for Outgoing Call	0 = Off 1 = On		0

Conditions

None

Feature Cross Reference

None

Program 14 : Trunk, Basic Setup

14-11 : ID Setup for IP Trunk

Level
IN

Description

Use **Program 14-11 : ID Setup for IP Trunk** to set the ID of each IP Trunk. This program refers to incoming and outgoing IP Trunk calls. The ID is sent on an outgoing IP Trunk call. This program is used only for H.323.

Input Data

Trunk Port Number		001 ~ 096	
Item No.	Item	Input Data	Default
01	IP Trunk ID	0 ~ 65535 (0 = No setting)	0

Conditions

- This Data is referred to at IP trunk outgoing call, or IP trunk incoming call.
- This ID is notified at IP trunk outgoing call.
- It is not notified when ID is 0.
- Incoming Call arrives to the trunk port of the same ID as ID notified from the partner system.

Feature Cross Reference

None

Program

14

Program 14 : Trunk, Basic Setup

14-12 : SIP Register ID Setup for IP Trunk

Level
IN

Program

14

Description

Use **Program 14-12 : SIP Register ID Setup for IP Trunk** to define the SIP Register ID for IP Trunks.

Input Data

Trunk Port Number	001 ~ 096
-------------------	-----------

Item No.	Item	Input Data	Default
01	Register ID	0 ~ 31	0
02	Pilot Register ID	0 ~ 31	0

Conditions

None

Feature Cross Reference

None

Program 14 : Trunk, Basic Setup

14-15 : ISDN Call Forward Method

Level
IN

Description

Use **Program 14-15 : ISDN Call Forward Method** to assign the activation of Call Deflection/Call Rerouting feature.

Input Data

Trunk Port Number	001 ~ 096
-------------------	-----------

Item No.	Item	Input Data	Default	Related Program
01	Operation Mode	0 = Normal operation 1 = Call Rerouting 2 = Call Deflection	0	13-04-06

Conditions

None

Feature Cross Reference

None

Program

14

Program 15 : Extension, Basic Setup

15-01 : Basic Extension Data Setup

Level

SA

Program

Description

Use **Program 15-01 : Basic Extension Data Setup** to define the basic settings for each extension.

Input Data

Extension Number		Maximum eight digits			
Item No.	Item	Input Data	Description	Default	Related Program
01	Extension Name	Up to 12 Characters	Define the extension/virtual extension name.	Ext. 101 ~ 220 = No Setting	
02	Outgoing Trunk Line Preference	0 = Off 1 = On	Use this option to set the extension outgoing Trunk Line Preference. If enabled, the extension user receives trunk dial tone when they lift the handset. The user hears trunk dial tone only if allowed by Trunk Access Map programming (Programs 14-07 and 15-06). Refer to the Line Preference feature for more details.	0	14-06 21-02
03	SMDR Printout	0 = Do not print on SMDR report 1 = Include on SMDR report	Use this option to include or exclude the extension in the SMDR report.	1	
04	ISDN Caller ID	0 = Disable 1 = Enable	If both Program 15-01-04 and 10-03-05 are enabled, the system includes Caller ID in the Setup message as Presentation Allowed. If these options are disabled, it is Presentation Restricted.	1	10-03-05 20-08-13
05	Restriction for Outgoing Disable on Incoming Line	0 = Supervise dial detection 1 = Not supervise dial detection	Enable or disable supervised dial detection for an extension.	0	21-01-15 21-01-16 21-01-17 80-03-01
07	Do-Not-Call	0 = Off 1 = On		0	21-01-19
08	Call Attendant Busy Message	0 ~ 100 (0 = No setting)		0	11-11-59 40-10-08
09	Call Attendant Answer Message	0 ~ 100 (0 = No setting)		0	11-11-60 40-10-09
13	Special ringtone choice (V2.0 Added)	0 = Incoming extension ring tone 1 = Tone pattern 1 2 = Tone pattern 2 3 = Tone pattern 3 4 = Tone pattern 4	When an incoming call is received from the extension defined in this PRG this item defines the ringtone presented.	0	15-02-03
14	SMDR output of made intercom calls (V2.0 Added)	0 = Disable 1 = Enable	If this program is disabled it will not print out the call that extension made.	0	15-01-49
15	SMDR output of answered intercom calls (V2.0 Added)	0 = Disable 1 = Enable	If this program is disabled it will not print out the call that extension answered.	0	15-01-49

Conditions

None

Feature Cross Reference

None

Program 15 : Extension, Basic Setup

15-02 : Multiline Telephone Basic Data Setup

Level
IN

Program


Description


Use **Program 15-02 : Multiline Telephone Basic Data Setup** to set up various Multiline telephone options.

Input Data

Extension Number		Maximum eight digits			
Item No.	Item	Input Data	Description	Default	Related Program
01	Display Language Selection	1 = English 2 = German 3 = French 4 = Italian 5 = Spanish 6 = Dutch 7 = Portuguese 8 = Norwegian 9 = Danish 10 = Swedish 11 = Turkish 12 = Latin American Spanish 13 = Romanian 14 = Polish	(To select options 6 ~ 11, press either 6 or Help, then press line keys 1 ~ 6. To select options 12 ~ 16, press either 12 or Help, then press line keys 1 ~ 5.)	1	
02	Trunk Ring Tone	1 = High 2 = Medium 3 = Low 4 = Ring Tone 1 5 = Ring Tone 2 6 = Ring Tone 3 7 = Ring Tone 4 8 = Ring Tone 5	Use this option to set the tone (pitch) of the incoming trunk ring for the extension port you are programming.	2	22-03
03	Extension Ring Tone	1 = High 2 = Medium 3 = Low 4 = Ring Tone 1 5 = Ring Tone 2 6 = Ring Tone 3 7 = Ring Tone 4 8 = Ring Tone 5	Use this option to set the tone (pitch) of the incoming extension call ring for the extension port you are programming. Also refer to Program 15-08.	8	
04	Redial (Speed Dial) Control	0 = Common Abbreviated Dial 1 = Group Speed Dialing	Use this option to control the function of the extension Redial key when used with Speed Dialing. The Redial key can access either the Common/Individual or Group Speed Dialing numbers.	0	
05	Transfer Key Operation Mode	0 = Transfer 1 = Call back 2 = Hook	Use this option to set the operating mode of the extension Transfer key. The keys can be for Call Transfer, Serial Calling or Flash. When selecting the Flash option (selection 2), refer also to Program 81-01-14.	0	
06	Hold Key Operating Mode	0 = Normal (Common) 1 = Exclusive Hold 2 = Park Hold	Use this option to set the function of the Multiline Hold key. The Hold key can activate normal Hold or Exclusive Hold.	0	
07	Automatic Hold for CO Lines	0 = Hold 1 = Disconnect (Cut)	When talking on a CO call and another CO line key is pressed, the original trunk is placed on Hold (0) or Disconnected (1).	1	
08	Automatic Handsfree	0 = Preselect 1 = One-Touch (Automatic Handsfree)	Use this option to set whether pressing a key access a One-Touch Key or if it preselects the key.	1	

Item No.	Item	Input Data	Description	Default	Related Program
10	Ringing Line Preference for Trunk Calls	0 = Idle (Off) 1 = Ringing (On)	Use this option to select between Idle and Ringing Line Preference for trunk calls.	1	
11	Callback Automatic Answer	0 = Off 1 = On	Use this option to enable or disable automatic answer of calls recalling to a station. For example, if a Transfer Recall or Hold Recall is ringing back to a station, the following happens: If Program 15-02-11 is enabled, the station will automatically answer the recall when it goes off-hook. If Program 15-02-11 is disabled, a station does not automatically answer the recall when it goes off-hook. The user must first press the line appearance of the recalling call or press the answer key.	1	
12	Off-Hook Ringing	0 = Muted Off-Hook Ringing 1 = No Off-Hook Ringing 3 = Beep in Speaker (SP) 4 = Beep in Handset (HS) 5 = Speaker and Handset Beep	Use this option to set the telephone Off-hook signaling. Off-hook signaling occurs when a telephone user receives a second call while busy on a handset call. To enable/disable Off-hook signaling for an extension Class of Service, use Program 20-13-06.	5	
13	Redial List Mode	0 = ICM/Trunk (Extension/Trunk Mode) 1 = Trunk Mode	Select whether the Redial List feature should store internal and external numbers (0), or only external numbers (1).	0	
15	Storage of Caller-ID for answered call	0 = Disable (Off) 1 = Enable (On)		1	
16	Handsfree Operation	0 = Disable (Off) 1 = Enable (On)	Enable or disable an extension ability to use the speakerphone on outside calls. When disabled, users can hear the conversation, but cannot respond handsfree.	1	
18	Power-Saving Mode	0 = Normal mode 1 = Power-Saving Mode (Eco-Mode)		1	
21	Virtual Extension Access Mode (when idle Virtual Extension key pressed)	0 = DSS 1 = Outgoing (OTG) 2 = Ignore	Determine whether a Virtual Extension (VE) should function as a DSS key or a Virtual Extension. When DSS (0) is selected, the key functions as a DSS key to the extension and for incoming calls to that extension. When Outgoing (1) is selected, the key functions as a virtual extension and can be used for incoming and outgoing calls. When Ignore (2) is selected, the key functions can receive incoming calls only.	2	
22	Multiple Incoming From Intercom and Trunk	0 = Disable 1 = Enable	If enabled, this affects how a Hotline key lights, based on the setting in Program 22-01-01. If 22-01-01 is set to 1 for trunk priority, the Hotline key lights solid when a trunk call rings in. If 22-01-01 is set to 0 for intercom priority, the Hotline key does not light for incoming trunk calls, but lights solid for intercom calls. If 15-02-22 is disabled, Hotline keys light solid for any incoming calls regardless of the setting in Program 22-01-01.	1	22-01-01
23	Speed Dial Preview Mode	0 = Preview 1 = Outgoing Immediately	This option defines how a speed dial key functions when pressed. If set to Preview (0), the speed dial number can be previewed before dialing. If set to Outgoing Immediate (1), the number is dialed immediately.	0	

Item No.	Item	Input Data	Description	Default	Related Program
27	Handset Volume	0 = Back to Default (Back) 1 = Stay at previous level (Stay)	Determine how an extension handset volume is set after it is adjusted during a call.  When 1 is assigned in this program and a user sets the volume to maximum, the volume is reset to a level to meet FCC standards when the user hangs up.	1	
28	Message Waiting Lamp Color	0 = Green 1 = Red	Determine whether an extension Message Waiting Lamp lights Green (0) or Red (1) when a message is received.	0	
29	PB Back Tone Level	1 ~ 63 (- 15.5 dB ~ + 15.5 dB)	This program allows adjustment of the PB Back Tone Level when you are calling an ISDN Line.	32 (0 dB)	
30	Toll Restriction Class	0 = Vir. Ext. (Virtual Extension Class) 1 = Real Ext. (Real Extension Class)	Select the Toll Restriction Class to use when placing a call from a virtual extension.	1	15-02-21
34	Call Register Mode	0 = Trunk Mode 1 = Extension/Trunk Mode	The Caller ID Scroll stores Trunk calls only (0), or both Internal and Trunk calls (1).	1	
35	Message Waiting Lamp Cycle for Calling Extension	1 = Cycle 1 2 = Cycle 2 3 = Cycle 3 4 = Cycle 4 5 = Cycle 5 6 = Cycle 6 7 = Cycle 7	Select the cycle method that the Large LED flashes when the extension has set Message Waiting.	3	
36	Message Waiting Lamp Cycle for Called Extension	1 = Cycle 1 2 = Cycle 2 3 = Cycle 3 4 = Cycle 4 5 = Cycle 5 6 = Cycle 6 7 = Cycle 7	Select the cycle method that the Large LED flashes when the extension has Message Waiting set to the extension.	2	
37	Voice Mail Message Wait Lamp Color	0 = Green 1 = Red	Select the color of the Large LED when a voice mail message is waiting at the extension.	1	
38	Voice Mail Message Wait Lamp Cycle	1 = Cycle 1 2 = Cycle 2 3 = Cycle 3 4 = Cycle 4 5 = Cycle 5 6 = Cycle 6 7 = Cycle 7	Select the cycle method that the Large LED flashes when the extension has a VM Message Waiting set to the extension.	2	
40	Additional Dial for Caller ID Call Return	Up to four digits (0, 1 ~ 9, #, *)	Enter the digits to be dialed in front of the Caller ID when using the Caller ID Return function.	No setting	
41	Incoming Ring Setup	0=Speaker Normal Ring 1=Headset Ring		0	11-11-37 11-11-62 15-02-12 15-02-42 20-13-06
42	Incoming Off-Hook Ring Setup	0=Speaker Off-Hook Ring 1=Headset Off-Hook Ring		0	11-11-37 11-11-62 15-02-12 15-02-41
43	Headset Ring Duration	0=No Switch to Speaker Ring 1=10 sec 2=20 sec 3=30 sec 4=40 sec 5=50 sec 6=1 minute		0	11-11-62 15-02-41 15-02-42
46	Backlight LCD duration	0 = Continuous on 1 = 5 seconds 2 = 10 seconds 3 = 15 seconds 4 = 30 seconds 5 = 60 seconds	Set how long the Backlight LCD stays on.	2	

Item No.	Item	Input Data	Description	Default	Related Program
48	Short Ring Setup	0 = Disable 1 = Enable		0	80-09-01 80-09-02 80-09-03
50	Mute Lamp Status Change	0 = normal 1 = Lamp Status Change		0	
54	Menu Operation Mode	0 = Automatic Close 1 = Manual Close		0	
55	VRS Message Number	0 ~ 100		0	
57	Caller Log on busy	0 = Off 1 = On		0	15-02-34
58	Display mode of trunk incoming (V1.5 Deleted)	0 = Caller ID 1 = Memo Information		0	13-04-08 13-04-09 13-04-10
60	Soft Key/Navigation key Mode	0 = Standard Mode 1 = Advanced Mode1 2 = Advanced Mode2		2 (V2.1 Changed)	
61	Backlight Max Brightness	0 ~ 8		6	
62	Backlight Min Brightness	0 ~ 8		1 (V2.1 Changed)	
63	Auto Backlight	0 = Off 1 = On		0	15-02-64
64	Auto Backlight bound threshold (auto setting)	0 ~ 13		13	15-02-63
65	Auto Backlight bound threshold (manual setting)	0 ~ 13		0	
66	Dial Button Backlight	0 = Off 1 = On		1	
67	Caller ID shared groups	0 = Personal 1 ~ 8 = Shared Group		0	20-49-01
68	Mode setting for incoming call from extension	0 = Voice 1 = Signal	 This program can only be change by using PC Programming.	1	
70	MIC Key Operation (V2.0 Added)	0 = Enabled (Active) 1 = Disabled	This program determines whether the MIC key is operational during a call.	0	

Lamp Cycle On/Off Timing Pattern (Program 15-02-35, 36, 38)

Programs 15-02-35, 36, and 38		
Input	Cycle	
1	Cycle 1	500 ms - ON / 500 ms - OFF
2	Cycle 2	250 ms - ON / 250 ms - OFF
3	Cycle 3	125 ms - ON / 125 ms - OFF
4	Cycle 4	125 ms - ON / 125 ms - OFF / 125 ms - ON / 625 ms - OFF
5	Cycle 5	875 ms - ON / 125 ms - OFF
6	Cycle 6	625 ms - ON / 125 ms - OFF / 125 ms - ON / 125 ms - OFF
7	Cycle 7	1000 ms - ON

Program 15-02 - Incoming Signal Frequency Patterns

Incoming Signal Frequency Pattern	Type	Frequency 1	Frequency 2	Modulation
External Incoming Signal Frequency (Pattern 1)	High	1100 Hz	1400 Hz	16 Hz
	Middle	660 Hz	760 Hz	16 Hz
	Low	520 Hz	660 Hz	16 Hz
External Incoming Signal Frequency (Pattern 2)	High	1100 Hz	1400 Hz	8 Hz
	Middle	660 Hz	760 Hz	8 Hz
	Low	520 Hz	660 Hz	8 Hz
External Incoming Signal Frequency (Pattern 3)	High	2000 Hz	760 Hz	16 Hz
	Middle	1400 Hz	660 Hz	16 Hz
	Low	1100 Hz	540 Hz	16 Hz
External Incoming Signal Frequency (Pattern 4)	High	2000 Hz	760 Hz	8 Hz
	Middle	1400 Hz	660 Hz	8 Hz
	Low	1100 Hz	540 Hz	8 Hz

Incoming Signal Frequency Pattern	Type	Frequency 1	Frequency 2	Modulation
Internal Incoming Signal Frequency	High	1100 Hz	1400 Hz	8 Hz
	Middle	660 Hz	760 Hz	8 Hz
	Low	520 Hz	660 Hz	8 Hz

Conditions

None

Feature Cross Reference

None

Program 15 : Extension, Basic Setup


15-03 : Single Line Telephone Basic Data Setup

Level
IN

Description

Use **Program 15-03 : Single Line Telephone Basic Data Setup** to set up various single line telephone options.

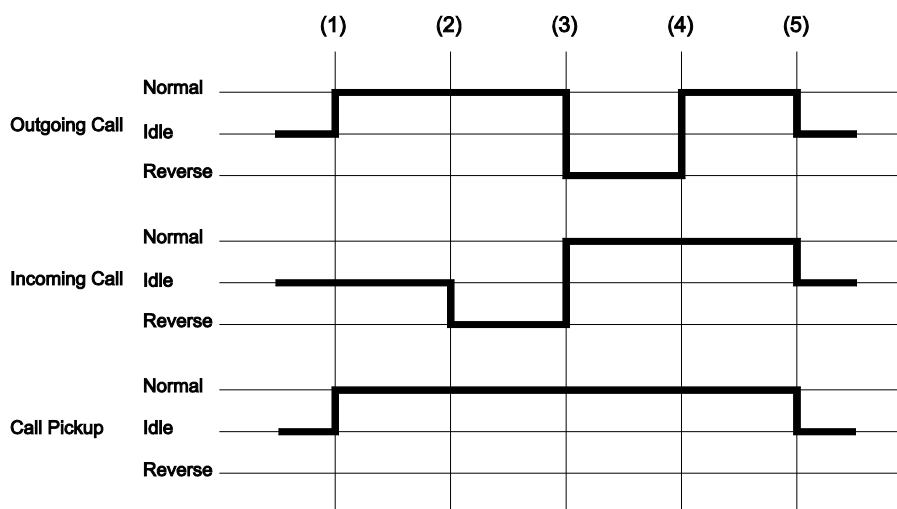
Input Data

Extension Number		Maximum eight digits			
Item No.	Item	Input Data	Description	Default	Related Program
01	SLT Signaling Type	0 = DP 1 = DTMF	Use this option to tell the system the type of dialing the connected telephone uses. For Analog Wireless telephones to function correctly, this must be set to 0 (dial pulse). If this option is set for DTMF, after an outside call is placed, the system cannot dial any additional digits. This program change is automatically performed when the Analog Wireless telephone is registered. When upgrading software from prior versions, the previous default of 1 is saved from the prior database so this option must be changed manually.	1	15-03-03 45-01-01
03	Terminal Type	0 = Normal 1 = Special	Enter 1 for this option to allow a single line port to receive DTMF tones after the initial call setup. Enter 0 to have the port ignore DTMF tones after the initial call setup. For Voice Mail, always enter 1 (e.g., receive DTMF tones).	0	15-03-01 45-01-01
04	Flashing	0 = No 1 = Yes	Enables/disables Flash for single line telephones.	1	
05	Trunk Polarity Reverse	0 = Off 1 = On	Do Not Change Default Entry as DTMF issues may arise with voice mail.	0	
06	Extension Polarity Reverse	0 = Disable (Off) 1 = Enable (On)	Do Not Change Default Entry as DTMF issues may arise with voice mail.	0	
07	Enabled On-Hook When Holding (SLT)	0 = No 1 = Yes		1	11-12-45
08	Answer On-Hook when Holding (SLT)	0 = Disable (No) 1 = Yes (Enable)		1	11-12-46
09	Caller ID Function - For External Module	0 = Disable (Off) 1 = Enable (On)	Enable (1) or disable (0) the Caller ID FSK signal for an external Caller ID module or a 3rd party vendor telephone with Caller ID display. Important: If voice mail is used, this setting must be disabled for the system integration codes to be correct.  <i>With a Single Line Telephone, this must be set to 0 for incoming callers to have a talk path.</i>	1 (V2.1 Changed)	

Program

15

Item No.	Item	Input Data	Description	Default	Related Program
10	Caller ID Name	0 = Disable 1 = Enable	Determine if an extension user telephone should display the Caller ID name.	1	15-03-09
11	Caller ID Type	0 = FSK 1 = DTMF	Determine whether the Caller ID type is FSK or DTMF.	0	
12	Fixed Cadence	0 = Normal 1 = Fixed		1	
14	Forwarded Caller ID Display Mode	0 = Calling Extension Number (Calling) 1 = External Caller ID (Forward)	Determine what the display shows when a multiline terminal receives a forwarded outside call.	0	
15	Disconnect without dial after hooking hold	0 = Normal 1 = Disconnect	Determine whether or not to disconnect a held call when on-hook without any dialing after hooking-hold.	0	
16	Special DTMF Protocol Send	0 = No 1 = Yes	Determine whether or not to send the extension number of the phone forwarded to the extension when Program 15-03-04 is set to Special (1) and not in the VM group.	0	45-01-16
17	Dial Tone Select	0 = Normal 1 = New DT	When the function of MW has been set from another extension or VM, the dial tone upon off hook is selected.	0	
18	Select Special Terminal Type (V2.0 Added)	0 = Fax 1 = Modem	This PRG is used for selecting Special Terminal Type (Fax or Modem). This setting influences how to transmit data via SIP trunk. This PRG is effective at the time of when PRG15-03-03 1: Special.	0	15-03-03



(1) = Off-Hook (2) = Calling/Ringing (3) = Answer (4) = Detect Hang Up (5) = On-Hook

Conditions

None

Feature Cross Reference

- Single Line Telephones

Program 15 : Extension, Basic Setup

15-05 : IP Telephone Terminal Basic Data Setup

Level
IN

Description

Use **Program 15-05 : IP Telephone Terminal Basic Data Setup** to set up the basic settings for an IP telephone.

Input Data

Extension Number		Maximum eight digits			
Item No.	Item	Input Data	Description	Default	Related Program
01	Terminal Type	0 = NGT 1 = H.323 2 = SIP 3 = MEGACO 4 = SIP-MLT		-	
02	IP Phone Fixed Port Assignment	MAC address 00-00-00-00-00-00 ~ FF-FF-FF-FF-FF-FF	MAC Address of registered SIP MLT phone is stored and/or can input the MAC address of an SIP MLT phone so when it comes online it is provided with the extension in which the MAC address matches.	00-00-00-00-00-00	15-05-01
04	Nickname	Up to 48 characters	Nickname section on Invite message. Example : Extension 100 has a Nickname set to PAUL. Extension 101 has command 15-05-17 set to Nickname. The inbound call to extension 101, from 100, shows PAUL. Nickname must be unique in the system.	No Setting	15-05-17
07	Using IP Address	0.0.0.0 ~ 255.255.255.255		-	15-05-01
09	Call procedure port	0 ~ 65535		-	15-05-01
15	CODEC Type	1 = Type 1 2 = Type 2 3 = Type 3 4 = Type 4 5 = Type 5	Assign the CODEC Type of the SIP MLT.	1	84-24 84-11 15-05-01
16	Authentication Password	Up to 24 characters	Assign the authentication password for SIP single line telephones.	None	15-05-01
18	IP Duplication Allowed Group	0 = Not Used 1 = Group 1 2 = Group 2 3 = Group 3 4 = Group 4 5 = Group 5 6 = Group 6 7 = Group 7 8 = Group 8 9 = Group 9 10 = Group 10	If there is an adapter that has one IP address coming into it but has multiple extensions off of it. Assign all the extensions to a group so that way the CPU knows that the one IP address is assigned to multiple extensions.	0	15-05-01
20	Bottom Option Information	0 = No Option 1 = ADA 2 = BHA 3 = WHA	Shows the type of adapter installed.	0	10-03-10

Program

15

Item No.	Item	Input Data	Description	Default	Related Program
26	DR700 Terminal Type	0 = Not Set 2 = ITL-()D-1D/ITL-24BT-1D/ITL-24PA-1D (without 8LKI (LCD)-L) 5 = Softphone 6 = CTI 9 = IP4WW-24TIXH		0	
27	Personal ID Index	0 ~ 120	Used when the SIP Multiline telephone is using manual/auto registration. Assign each phone a unique personal index. Then go to command 84-22 to assign the user name and password.	0	84-22
28	Addition Information Setup	0 = Do not inform 1 = Inform	Select whether to inform of additional information or not.	0	15-01-01 15-02-13 15-02-15 15-02-34
29	Terminal WAN-side IP Address	0.0.0.0 ~ 255.255.255.255		0.0.0.0	
30	DTMF Play during Conversation at Receive Extension	0 = Do Not Play 1 = Play		0	
31	Alarm Tone during Conversation (RTP packet loss alarm)	0 = Off 1 = On		1	
33	LAN Side IP Address of Terminal	0.0.0.0 ~ 255.255.255.255		0.0.0.0.	
35	Encryption Mode On/Off	0 = Off 1 = On		0	
36	DR700 Firmware Version	00.00.00.00 ~ ff.ff.ff.ff	Indicate a current firmware Version.	00.00.00.00	
38	Paging Protocol Mode	0 = Multicast 1 = Unicast 2 = Auto	Sets the protocol mode for the Paging function.	0	
39	CTI Override Mode	0 = Disable 1 = Enable		0	
40	Calling name display info via trunk for standard SIP	0 = Both name and number 1 = Name only 2 = Number only 3 = None		0	
41	Time Zone(hour)	0 ~ 24 (- 12 ~ + 12 hour)		12	
42	Time Zone(minute)	0 ~ 120 (- 60 ~ + 60 minute)		60	
43	Video Mode	0 = Disable 1 = Enable		0	
45	NAT plug & play	0 = OFF 1 = ON	Effective when PRG 10-46-14 is set to NAT mode. Select sending RTP port number to remote Router, use from negotiation result (0) or received RTP packet (1).	1	10-46-14

Conditions

None

Feature Cross Reference

None

Program 15 : Extension, Basic Setup

15-06 : Trunk Access Map for Extensions

Level
IN

Description

Use **Program 15-06 : Trunk Access Map for Extensions** to define the trunk access map for each extension. An extension can place only outgoing calls on trunks to which it has outgoing access. Use Program 14-07 to define the available access maps.

Input Data

Extension Number		Maximum eight digits		
Day/Night Mode		1 ~ 8		
Item No.	Item	Input Data	Default	Related Program
01	Trunk Access Map Number	001 ~ 096	1	14-07

Conditions

None

Feature Cross Reference

- Central Office Calls, Answering
- Central Office Calls, Placing

Program

15

Program 15 : Extension, Basic Setup

15-07 : Programmable Function Keys

Level SA

Program

15

Description

Use **Program 15-07 : Programmable Function Keys** to assign functions to a multiline terminal line keys.

For certain functions, you can append data to the key basic function. For example, the function 26 appended by data 1 makes a Group Call Pickup key for Pickup Group 1. You can also program Function Keys using Service Codes.

To clear any previously programmed key, press **000** to erase any displayed code.

Input Data

Extension Number	Maximum eight digits
------------------	----------------------

Default Settings

Line Key	Function Number	Additional Data
LK01	*01 (Trunk Line Key)	1
:	:	:
LK12	*01 (Trunk Line Key)	12
LK13	0 (No setting)	0
:	:	:
LK24	0 (No setting)	0

Item No.	Line Key Number	Function Number	Additional Data
01	1 ~ 24	0 ~ 99, #0 ~ #99 (Normal Function Code) (Service Code 751 by default) *00 ~ *99 (Appearance Function Code) (Service Code 752 by default)	Refer to Function Number List[1] Normal Function Code (00 ~ 99, #00 ~ #99) (Service Code 751) .

Default

Programmable keys 1 ~ 8 are Trunk Line keys (key 1 = Trunk Line 1, key 2 = Trunk Line 2, etc.). All other programmable keys are undefined.






Function Number List

Table 2-2 Function Number List

[1] Normal Function Code (00 ~ 99, #00 ~ #99) (Service Code 751)

Function Number	Function	Additional Data	LED Indication	Note
01	DSS/One-Touch	Extension number or any numbers (up to 36 digits)	On (Red) : DSS Ext. Busy Off : DSS Ext. Idle, DND External, DND Transfer, CFW Busy, CFW Noans, CFW Busy/Noans, CFW Both, CFW FL ME Fast Blink (Red) : DND Intercom, DND All, CFW Imm	
02	Microphone (Mute) Key (ON/OFF)		On (Red) : Mic On Off : Mic Off	
03	DND Key		On (Red) : DND Setup	
04	BGM (ON/OFF)		On (Red) : Active	
05	Headset		On (Red) : Headset Operating	
06	Transfer Key		None	
07	Conference Key		On (Red) : Conference Operating	

Function Number	Function	Additional Data	LED Indication	Note
08	Incoming Call Log		Fast Blink (Red) : Existing New CID On (Red) : Existing Checked CID Off : No CID	
09	Day/Night Mode Switch	Mode number (1 ~ 8) (0 = toggle)	On : While each mode	
10	Call Forward - Immediate		On (Red) : Setup	
11	Call Forward - Busy		On (Red) : Setup	
12	Call Forward - No Answer		On (Red) : Setup	
13	Call Forward - Busy/No Answer		Slow Blink (Red) : Setup	
14	Call Forward - Both Ring		On (Red) : Setup	
15	Call Forward - Follow Me		Fast Blink (Red) : Setup Slow Blink : To be setup	
18	Text Message Setup	Selectable Display Message Numbers (01 ~ 20)	On (Red) : Setup	
19	External Group Paging	External Paging Number (1 ~ 8)	On (Red) : Active	
20	External All Call Paging		On (Red) : Active	
21	Internal Group Paging	Internal Paging Number (01 ~ 32)	On (Red) : Active	
22	Internal All Call Paging		None	
23	Privacy Release		None	
24	Call Pickup for own group		None	
25	Call Pickup for Another Group		None	
26	Call Pickup for Specified Group	Call Pickup Group Number (01 ~ 32)	None	
27	Speed Dial - Common/Private	Speed Dial Number (Common / Private)	None	
28	Speed Dial - Group	Speed Dial Number (Group)	None	
29	Repeat Redial		Fast Blink (Red) : Repeat Dialing	
30	Saved Number Redial		None	
31	Memo Dial		None	
32	Meet - Me Conference		None	
33	Override (Off-Hook Signaling)		None	
34	Break - In		None	
35	Camp On		On (Red) : Active	
36	Step Call		None	
37	DND/FWD Override Call		None	
38	Message Waiting		None	
39	Room Monitoring		Slow Blink (Red) : Monitoring Fast Blink (Red) : To be monitored	
41	Buzzer	Extension Number	On (Red) : Calling party Fast Blink (Red) : Called party	
42	Boss - Secretary Call	Extension Number	On (Red) : Active	
43	Series Call		None	
44	Common Hold		None	
45	Exclusive Hold		None	
46	Department Group Log Out		On (Red) : Withdrawing	

Function Number	Function	Additional Data	LED Indication	Note
47	Reverse Voice Over  <i>Softphone doesn't support Reverse Voice Over. (V1.5 Added)</i>	Extension Number	Same as DSS	
48	Voice Over		On (Red) : Responding Slow Blink (Red) : Listening	
49	Call Redirect	Extension Number or Voice Mail Number	None	
50	Account Code		None	
52	Automatic Answer with Delay Message Setup	Incoming Ring Group (01 ~ 25)	On (Red) : Setup	
53	Automatic Answer with Delay Message Start		On (Red) : Delay Message Answering	
54	External Call Forward by Door Box		On (Red) : Setup	
55	Extension Name Change		None	
56	General Purpose LED Operation	001 ~ 100 : (Red) On  Off	001 ~ 100 : (Red) On  Off	
57	General Purpose LED Indication	001 ~ 100 : (Red) On  Off	001 ~ 100 : (Red) On  Off	
58	Automatic Transfer at Department Group Call	Extension Group Number (01 ~ 32)	Slow Blink (Red) : Set Off : Cancel	
59	Delayed Transfer at Department Group Call	Extension Group Number (01 ~ 32)	Slow Blink (Red) : Set Off : Cancel	
60	DND at Department Group Call	Extension Group Number (01 ~ 32)	Slow Blink (Red) : Set Off : Cancel	
62	Flash Key		None	
63	Outgoing Call Without Caller ID (ISDN)		On (Red) : Mode enabled	
66	CTI		On (Red) : CTI active	
72	Keypad Facility Key			
73	Keypad Hold Key			
74	Keypad RETRIEVE Key			
75	Keypad Conference Key			
76	Application Key	Any dial data (8 digit)	None	
77	Voice Mail (In-Skin)	Extension Number or Pilot Number	<InMail> Fast Blink (Green) : New Message (s) in own Mailbox. Slow Blink (Red) : New Message (s) in other Mailbox. <External VM> On (Red) : Access to Voice Mail Fast Blink (Green) : New Message (s) in own Mailbox. Slow Blink (Red) : New Message (s) in other Mailbox.	
78	Conversation Recording - Voice Mail		Fast Blink : Recording	

Function Number	Function	Additional Data	LED Indication	Note
79	Automated Attendant (In-Skin)	Extension Number or Pilot Number	On (Red) : Setup - All calls Fast Blink (Red) : Setup - No answer calls (125msec on/125msec off/125msec on/625msec off) (Red) : Setup - busy calls Slow Blink (Red) : Setup - busy/noans calls	
80	Tandem Ringing	1 = Set 0 = Cancel Extension Number to Tandem Ring	On (Red) : Master Side Slow Blink : Slave Side	
81	Automatic Transfer to Transfer Key	Trunk Line No. (001-096)	Off : Cancel Slow Blink (Red) : Set	
83	Conversation Recording Function (VMSU)	0 = Pause 1 = Re-recording 2 = Address 3 = Erase 4 = Urgent Page		
86	Private Call Refuse	None	Off : Cancel Slow Blink (Red) : Set	
87	Caller ID Refuse	None	Off : Cancel Slow Blink (Red) : Set	
88	Dial-In Mode Switching	Program 22-17 Table No. (1 ~ 500)	Off : Pattern 1, Pattern 5 ~ 8 On (Red) : Pattern 2 Slow Blink (Red) : Pattern 3 (125msec on/125msec off/125msec on/625msec off) (Red) : Pattern 4	
94	Call Attendant		Fast Blink (Red) : Setup - No answer calls (125 ms : On / 125 ms : Off / 125 ms : On / 625 ms : Off) (Red) : Setup - Busy calls On (Red) : Setup - Busy/No answer calls	
97	Door Box Access Key	Door Box Number (1-6)	On (Red) : Doorphone Busy Off : Doorphone Idle Fast Blink (Red) : Doorphone Incoming	
#02	-- Cutting the telephone power --	Package Number (2-9)	On (Red) : Set Off : Cancel	
#03	-- Remote Monitor Permit --		Slow Blink (Red) : Remote Monitor Permit Off : Remote Monitor Deny	

Table 2-3 Function Number List

[2] Appearance Function Level (*00 ~ *99) (Service Code 752)

Function Number	Function	Additional Data	LED Indication	Note
*00	ICM Key	None		
*01	Trunk Key	Trunk Number (001 ~ 096)	Fast Blink (Green) : Incoming(own)/Recall(own) Fast Blink (Red) : Incoming(other) On (Green) : Speaking(own) On (Red) : Speaking(other) Slow Blink (Green) : Holding(own)/Transferring(own) Slow Blink (Red) : Holding(other)/Transferring(other)/Recall(other)	
*02	Trunk Group	Trunk Group Number (001 ~ 025)	Fast Blink (Red) : Incoming (own/other)	
*03	Virtual Extension Key	Extension Number or Department Group Number	Fast Blink (Red) : Incoming(own/other)/Recall(own) On (Green) : Speaking(own) On (Red) : Speaking(other) Slow Blink (Green) : Holding(own)/Transferring(own) Slow Blink (Red) : Holding(other)/Transferring(other)/Recall(other)	
*04	Park Key	Park Number (01 ~ 64)	Slow Blink (Green) : Holding(own) Fast Blink (Green) : Recall(own) Slow Blink (Red) : Holding(other)	
*05	Loop Keys Use Programs 15-13-01 and/or 15-13-02 to assign the loop key to a trunk group.	0 = Incoming 1 = Outgoing 2 = Both	None	
*07	Station Park Hold	None	Slow Blink (Green) : Holding(own) Fast Blink (Green) : Recall(own)	

Function Number	Function	Additional Data	LED Indication	Note
*32	Warning Message		On (Red) : Play warning message Off : Stop warning message	
*33	Sensor Mode		On (Red) : Security Sensor On Off : Security Sensor Off (125msec:on / 125msec:off / 125msec:on / 625msec:off) : Security Sensor Delay Timer (PRG20-50-01) is starting. (V1.5 Added)	

LED Pattern 0:[OFF]

On _____
Off _____

LED Pattern 1:[FL: On(500ms)/Off(500ms)]

On

LED Pattern 2:[WK: On(250ms)/Off(250ms)]

On

LED Pattern 3:[RW: On(125ms)/Off(125ms)]

On

LED Pattern 4:[IR: On(125ms)/Off(125ms)/ On(125ms)/Off(625ms)]

On

LED Pattern 5:[IL On(875ms)/Off(125ms)]

On _____
Off

LED Pattern 6:[IW On(625ms)/Off(125ms)/On(125ms)/Off(125ms)]

On _____
Off

LED Pattern 7:[ON]

On _____
Off _____

LED Indication Reference :

ON = LED pattern 7.

OFF = LED pattern 0.

Rapid Blink = LED pattern 3.

Slow Blink (General Function Level) = LED pattern 5.

Slow Blink (Appearance Function Level) = LED pattern 1.

Fast Blink = LED pattern 3.

Stutter Blink = LED pattern 4.

Conditions

- When a key is programmed using service code 752, it cannot be programmed with a function using the 751 code until the key is undefined (000). For example with a Park Key programmed by dialing 752 + *04 must be undefined by dialing 752 + 000 before it can be programmed as a Voice Over key by dialing 751 + 48.

Feature Cross Reference

None

Program 15 : Extension, Basic Setup

15-08 : Incoming Virtual Extension Ring Tone Setup

Level
IN

Description

Use **Program 15-08 : Incoming Virtual Extension Ring Tone Setup** to assign a ring tone range (0 ~ 4) to incoming virtual extensions assigned to a Virtual Extension key (Program 15-07). If you enable ringing for the key in Program 15-09, the key rings with the tone you set in this program. Also see Program 22-03. The chart below shows the available tones. There are 084 available extension ports.

Input Data

Extension Number		Maximum eight digits	
Item No.	Incoming Ring Pattern	Default	Description
01	0 = Tone Pattern 1 1 = Tone Pattern 2 2 = Tone Pattern 3 3 = Tone Pattern 4 4 = Incoming Ring Tone Extension	0 = Tone Pattern 1	When an extension or a virtual extension is assigned to the function key on the key telephone, select the ring tone when receiving a call on that key.

Program 15-08 - Incoming Signal Frequency Patterns

Incoming Signal Frequency Pattern	Type	Frequency 1	Frequency 2	Modulation
Pattern 1	High	1100 Hz	1400 Hz	16 Hz
	Middle	660 Hz	760 Hz	16 Hz
	Low	520 Hz	660 Hz	16 Hz
Pattern 2	High	1100 Hz	1400 Hz	8 Hz
	Middle	660 Hz	760 Hz	8 Hz
	Low	520 Hz	660 Hz	8 Hz
Pattern 3	High	2000 Hz	760 Hz	16 Hz
	Middle	1400 Hz	660 Hz	16 Hz
	Low	1100 Hz	540 Hz	16 Hz
Pattern 4	High	2000 Hz	760 Hz	8 Hz
	Middle	1400 Hz	660 Hz	8 Hz
	Low	1100 Hz	540 Hz	8 Hz
Internal Incoming Signal Frequency	High	1100 Hz	1400 Hz	8 Hz
	Middle	660 Hz	760 Hz	8 Hz
	Low	520 Hz	660 Hz	8 Hz

Conditions

None

Feature Cross Reference

None

Program

15

Program 15 : Extension, Basic Setup

15-09 : Virtual Extension Ring Assignment

Level

SA

Program

15

Description

Use **Program 15-09 : Virtual Extension Ring Assignment** to assign the ringing options for an extension Virtual Extension Key or Virtual Extension Group Answer Key which is defined in Program 15-07. You make an assignment for each Night Service Mode.

Assign extension numbers and names to virtual extension ports in Program 15-01. Program Virtual Extension keys in Program 15-07 (code *03). There are 50 Virtual Extension Ports.

Input Data

Extension Number	Maximum eight digits
------------------	----------------------

Key Number	01 ~ 24
------------	---------

Item No.	Day/Night Mode	Ringing	Default
01	1 ~ 8	0 = No Ringing 1 = Ring	0

Conditions

- Program the Multiple Directory Number function keys **NOT** to ring before removing the key from telephone programming.

Feature Cross Reference

None

Program 15 : Extension, Basic Setup

15-10 : Incoming Virtual Extension Ring Tone Order Setup

Level
SA

Description

Use **Program 15-10 : Incoming Virtual Extension Ring Tone Order Setup** to set the priority (1 ~ 4) for the Virtual Extension Ring Tones set in Program 15-08. When Virtual Extension calls ring an extension simultaneously, the tone with the highest order number (e.g., 1) rings. The other keys only flash. There are 50 Virtual Extension ports.

Input Data

Extension Number		Maximum eight digits		
Item No.	Priority Order	Data	Description	Related Program
01	1 ~ 4	0 = Tone Pattern 1 1 = Tone Pattern 2 2 = Tone Pattern 3 3 = Tone Pattern 4 4 = Incoming Extension Ring Tone	When two or more virtual extensions are set on a function key on the telephone, and the tone pattern by which the sound of each extension differs, the priority of ring sound is set up.	15-08

Default

- By default, Virtual Extension ring tones have the following order :

Priority Order	Ring Tone (Set in Program 15-08)
1	0 (Tone Pattern 1)
2	1 (Tone Pattern 2)
3	2 (Tone Pattern 3)
4	3 (Tone Pattern 4)

Conditions

None

Feature Cross Reference

None

Program

15

Program 15 : Extension, Basic Setup

15-11 : Virtual Extension Delayed Ring Assignment

Level
SA

Program

15

Description

Use **Program 15-11 : Virtual Extension Delayed Ring Assignment** to assign the delayed ringing options for an extension Virtual Extension or Virtual Extension Group Answer keys (defined in Program 15-09). You make an assignment for each Night Service Mode. There are 50 Virtual Extension Ports.

Assign extension numbers (Program 11-04) and names (Program 15-01) to virtual extension ports. Program Multiple Directory Number (virtual extension) keys in Program 15-07 (code *03).

Input Data

Extension Number	Maximum eight digits
------------------	----------------------

Key Number	01 ~ 24
------------	---------

Item No.	Day/Night Mode	Ringing	Default	Related Program
01	1 ~ 8	0 = Immediate Ring 1 = Delayed Ring	0	20-04-03 15-09-01

Conditions

- Program the Virtual Extension keys **NOT** to ring before removing the key from telephone programming.
- Program 15-09-01 has to be assigned to Ring Immediately before assigning the VE key to Delay Ring.

Feature Cross Reference

None

Program 15 : Extension, Basic Setup

15-12 : Conversation Recording Destination for Extensions

Level

IN

Description

Use **Program 15-12 : Conversation Recording Destination for Extensions** to set the Conversation Recording destination for each extension.



If both Programs 14-09 and 15-12 define a destination, the destination in Program 15-12 is followed.

Input Data

Extension Number		Maximum eight digits		
Item No.	Item	Input Data	Description	Default
01	Recording Destination Extension Number	Maximum eight digits	Enter the extension number to which the trunk calls should be recorded.	No Setting
02	Automatic Recording for Incoming Calls	0 = Off 1 = On	Determine if an extension incoming calls should be automatically recorded.	0
04	Automatic Recording for Outgoing Calls	0 = Off 1 = On	Determine if an extension outgoing calls should be automatically recorded.	0

Conditions

None

Feature Cross Reference

None

Program

15

Program 15 : Extension, Basic Setup

15-13 : Loop Keys

Level

IN

Program

Description

Use **Program 15-13 : Loop Keys** to assign the Loop Key data for each keyset terminal. Loop Keys can be incoming, outgoing or both ways. Outgoing Loop Keys use the entry in item 1. Incoming Loop Keys use the entry in item 2. Both Way Loop Keys follow the entries in both item 1 and 2.

Input Data

Extension Number	Maximum eight digits
------------------	----------------------

Key Number	01 ~ 24
------------	---------

Item No.	Item	Input Data	Default
01	Outgoing Option	0 ~ 25 (0 = Assigns the Loop Key for ARS, 1 ~ 25 = Assigns the Loop Key to the trunk group specified)	0 (Programming Function Key No. 01 ~ 24)
02	Incoming Option	0 ~ 25 (0 = Assigns the Loop Key to all trunk groups, 1 ~ 25 = Assigns the Loop key to the trunk group specified)	0 (Programming Function Key No. 01 ~ 24)

Conditions

- Please set Loop Key at Program 15-07 before setting Program 15-13.

Feature Cross Reference

None

Program 15 : Extension, Basic Setup

15-14 : Programmable One-Touch Keys

Level
SB

Description

Use **Program 15-14 : Programmable One-Touch Keys** to define the One-Touch key data for each multiline terminal.

For each SL1100 Wireless telephone to use the Transfer When Out of Range feature, enter the destination number (up to 36 digits) and name (up to 12 characters) into One-Touch bin 10. Make sure to add any required trunk access codes for outside numbers. If this bin information is changed either through 15-14-01 or through user programming, the destination for the transferred calls is also changed.

Input Data

Extension Number		Maximum eight digits	
Key Number		01 ~ 10	
Item No.	Item	Input Data	Default
01	Dial Data	1 ~ 0, *, #, P, R, @ (Code for Answer-Wait) (Maximum of 36 digits)	No setting
02	Name	Up to 12 characters	No setting

Conditions

None

Feature Cross Reference

None

Program

15

Program 15 : Extension, Basic Setup

15-16 : SIP Register ID Setup for Extension

Level
IN

Program

15

Description

Use **Program 15-16 : SIP Register ID Setup for Extension** to define the SIP Register ID for Extensions.

Input Data

Extension Number		Maximum eight digits	
Item No.	Item	Input Data	Default
01	Register ID	None, 0 ~ 31	None

Conditions

None

Feature Cross Reference

None

Program 15 : Extension, Basic Setup

15-17 : CO Message Waiting Indication

Level
IN

Description

Use **Program 15-17 : CO Message Waiting Indication** to set the message waiting LED Flash assignment on each CO line.

Input Data

Extension Number including Virtual Extensions		Up to eight digits	
Trunk Port Number		001 ~ 096	
Item No.	Item	Input Data	Default
01	LED Flash Assignment	0 = LED Off 1 = LED On	0

Conditions

None

Feature Cross Reference

None

Program

15

Program 15 : Extension, Basic Setup

15-18 : Virtual Extension Key Enhanced Options

Level
IN


Program

Description

Use **Program 15-18 : Virtual Extension Key Enhanced Options** to define the operation when a Virtual Extension Key is pressed.

Input Data

Extension Number including Virtual Extensions	Up to eight digits
---	--------------------

Item No.	Item	Input Data	Description	Default	Related Program
01	Virtual Extension Key Operation Mode	0 = Release 1 = Land on the key	Define if calls to a Virtual Extension Key land on the Virtual or on the extension/CO appearance.  <i>This is assigned for the Virtual Extension Key, not the extension it resides on.</i>	0	20-04-01
02	Display mode when placing a call on Virtual Extension Key	0 = Secondary Extension Name 1 = Actual Station Name	Defines if calls to or from a Virtual Extension Key display the Virtual Extension Key name or the name of the extension it resides on.	1	

Condition

- If a DIL rings a Virtual Extension, the Virtual Extension Key Operation Mode must be set to 1.

Feature Cross Reference

None

Program 15 : Extension, Basic Setup

15-22 : Mobile Extension Setup

Level
IN

Description

Use **Program 15-22 : Mobile Extension Setup** to set the system information for the Mobile Extension feature.

Input Data

Extension Number		Up to eight digits		
Item No.	Item	Input Data	Description	Default
01	Mobile Extension Target Setup	0 ~ 999 (0 = No setting/1 ~ 999 = target of mobile extension)	Set which Speed Dial bin is used to call when the Mobile extension is called.	0
02	Connect Confirmation	0 = Always 1 = On Analog Line 2 = Never	Select when a confirmation (dial *) is required to allow the call to cut over to the called mobile number.	0
03	Trunk Access Code	0 = Use normal trunk access code (Program 11-09-01) 1 = Use individual trunk access code (Program 11-09-02)	Select if the Normal (0) or Individual (1) Trunk access is used when making the call to the mobile number.	0
04	Call Back	0 = Disable 1 = Enable		0

Conditions

None

Feature Cross Reference

None

Program

15

Program 15 : Extension, Basic Setup

15-24 : Registration of Standard SIP Terminal

Level
IN

(This Program is available for V1.5 or higher)

Description

Use **Program 15-24 : Registration of Standard SIP Terminal** to register data in the standard SIP terminal where Register is not used.

Input Data

Item No.	Item	Input Data	Description	Default
01	Using IP Address	0.0.0.0 ~ 255.255.255.255	IP Address of the standard SIP terminal that is used as the SIP extension. When Program 15-24-03 is set to 1, this Program cannot be changed from 0.0.0.0 (except using PCProgramming).	0.0.0.0
02	Call Procedure Port	1 ~ 65535	Call procedure port of the standard SIP terminal that is used as SIP extension.	5060
03	Registration Setting when REGISTER isn't used	0 = Disable 1 = Enable	Enables or disables the Registration method. An error will occur if Program 15-24-01 is 0.0.0.0 and this Program is set to 1 (except using PCProgramming).	0

Conditions

None

Feature Cross Reference

None

Program 15 : Extension, Basic Setup

15-28 : Trunk Incoming Ring Tone of Extension Setup

Level
IN

(This Program is available for V1.5 or higher)

Program

15

Description

Use **Program 15-28 : Trunk Incoming Ring Tone of Extension Setup** to define the ringing tone for each trunk port of extension.

Input Data

Extension Number	Up to eight digits
------------------	--------------------

Trunk port number	001 ~ 096
-------------------	-----------

Day/Night Mode	1 ~ 8
----------------	-------

Item No.	Item	Input Data	Default	Related Program
01	Trunk Incoming Ring Tone	0 = Trunk incoming ring tone 1 = High 2 = Middle 3 = Low 4 = Melody 1 5 = Melody 2 6 = Melody 3 7 = Melody 4 8 = Melody 5	0	22-03 15-02-02

Conditions

None

Feature Cross Reference

None

Program 16 : Department Group Setup

16-01 : Department Group Basic Data Setup


Level
IN

Program

Description

Use **Program 16-01 : Department Group Basic Data Setup** to set the function mode for each department group. There are 32 available Department Groups.

Input Data

Department Group Number		1 ~ 32			
Item No.	Item	Input Data	Description	Default	Related Program
01	Department Name	Maximum 12 characters		No Setting	11-07
02	Department Calling Cycle	0 = Normal Routing (Priority) 1 = Easy - UCD Routing (Circular)	Use this option to set the call routing for Department Calling. Routing can be either circular (cycles to all phones in group) or priority (cycles to highest priority extensions first).	0	16-02
03	Department Routing when Busy (Auto Step Call)	0 = Normal (Intercom caller to busy department member hears busy) 1 = Circular (Intercom callers to busy department member routes to idle member)	Set this option to set how the system routes an Intercom call to a busy Department Group member. Intercom callers to the extension can either hear busy or route to the first available department number. This only occurs for calls to the extension directly, not the department number assigned in Program 11-07.	0	16-02
04	Hunting Mode	0 = Last extension is called and hunting is stopped 1 = Circular	Use this option to set the action taken when a call reaches the last extension in the Department Group (0 = hunting stopped, 1 = hunting repeats with circular routing through the Department Group).	0	
05	Extension Group All Ring Mode Operation	0 = Manual (Service Code) 1 = Automatic	Determine whether calls ringing a Department Group should ring all extensions in the group simultaneously automatically or manually when using the service code defined in Program 11-12-09.  When set to (1) Automatic, only ICM Calls and DID Calls will ring all the stations in the Department Group.	0	11-16-10
06	STG Withdraw Mode	0 = Disable (Camp On) 1 = Enable (Overflow Mode)		0	
07	Call Recall Restriction for STG	0 = Disable (Recall) 1 = Enable (No Recall)	Determine whether or not an unanswered call transferred to a Department Group should recall the extension from which it was transferred.	0	
08	Maximum Queuing number for Department Group Call	0 ~ 32 (0 = No Queuing)	To have Department Group calls queue when busy, set this entry to maximum queuing number.	0	
09	Department Hunting No Answer Time	0 ~ 64800 seconds	Set how long a call rings a Department group extension before hunting occurs.	15	

Item No.	Item	Input Data	Description	Default	Related Program
10	Enhanced Hunt Type	0 = No hunting 1 = Hunting When Busy 2 = Hunting When Not Answered 3 = Hunting When Busy or No Answer	Set the type of hunting for each Extension (Department) Group.	0	

Conditions

None

Feature Cross Reference

- Department Calling

Program 16 : Department Group Setup

16-02 : Department Group Assignment for Extensions

Level

IN


Program

16

Description

Use **Program 16-02 : Department Group Assignment for Extensions** to set the Department Groups. The system uses these groups (32 Department Groups) for Department Calling. Assign pilot numbers to Department Groups you set up in Program 11-07. This lets system users place calls to the departments. Use Program 16-01 to set the priority of each extension in each Department Group. When a call comes to the group, the extensions ring in order of their priority.

Input Data

Extension Number				Maximum eight digits	
Item No.	Group Number	Priority	Default	Description	Related Program
01	1 ~ 32	1 ~ 999	1 - xxx (See )	Set up the Department Group called by the pilot number and the extension priority when a group is called. Call Pickup Groups are set up in 23-02.	11-07 16-01



*The initial value of a priority becomes the ports numerical order assigned in Programs 11-02 and 11-04.
(Extension ports are 1 ~ 100 (V2.0 or higher) Virtual extension ports are 1 ~ 50.)*

Conditions

None

Feature Cross Reference

- Department Calling

Program 16 : Department Group Setup

16-03 : Secondary Department Group

Level
IN

Description

Use **Program 16-03 : Secondary Department Group** to set a second Department Group for extensions. Up to 16 extensions can be assigned per a Department Group. There are 32 available Department Groups.

Input Data

Department (Extension) Group Number			01 ~ 32	
Item No.	Secondary Extension Number	Extension Number	Priority Order	Description
01	1 ~ 16	Maximum 8 digits	0 ~ 999	This program is set up when placing telephones in two or more groups.

Default

- All extension groups : No setting

Conditions

None

Feature Cross Reference

- Department Calling

Program

16

Program 16 : Department Group Setup

16-04 : Call Restriction Between Department Groups

Level
IN

Program

Description

Use **Program 16-04 : Call Restriction Between Department Groups** to set internal calls between members of different Department (Station) groups that can be restricted on a per group basis. Each department group can restrict calls to up to 8 department groups in Department Group - Departmental Call Restriction.

Input Data

Extension (Department) Group Number	1 ~ 32
-------------------------------------	--------

Restricted Group Index	1 ~ 8
------------------------	-------

Item No.	Item	Input Data	Description	Default
01	Restrict Department Group Number	0 ~ 32	Calls between members of different Department (Station) groups can be restricted on a per group basis.	0

Conditions

None

Feature Cross Reference

None

Program 20 : System Option Setup

20-01 : System Options

Level
IN

Description

Use **Program 20-01 : System Options** to set various system options.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	Operator Access Mode	0 = Step Call 1 = Circular	Use this program to set up priority of a call when calling an operator telephone.	0	20-17
02	Text Message Mode	0 = Call mode 1 = No Answer/Busy mode	Use this program to select the mode when calling the telephone which set up the text message.	1	11-11-14 15-07-08
05	DTMF Receive Active Time	0 ~ 64800 seconds	For OPXs, analog telephones and certain analog trunks (like DISA), the system attaches a DTMF receiver to the port for this time. The system releases the receiver after the time expires.	10 seconds	25-07-01
06	Alarm Duration	0 ~ 64800 seconds	This time sets the duration of the alarm signal.	30 seconds	11-11-12
07	Callback Ring Duration Time	0 ~ 64800 seconds	Callback rings an extension for this time.	15 seconds	11-12-05 15-07-35
08	Trunk Queuing Callback Time	0 ~ 64800 seconds	Trunk Queuing callback rings an extension for this time.	15 seconds	11-12-05 15-07-35
09	Callback/Trunk Queuing Cancel Time	0 ~ 64800 seconds	The system cancels an extension Callback or Trunk Queuing request after this time.	64800 seconds	11-12-05 15-07-35
10	Trunk Guard Timer	0 ~ 64800 seconds	The amount of time the system waits to seize the next outside line after the system releases an outside line.	1 seconds	
12	Telephone/Web Pro Logout Time	1 ~ 86400 (86400 seconds = 1 day)	The system automatically logs out of a Telephone/Web Pro session after inactivity lasting this time.	900 seconds (15 min.)	
14	Special Character Input Mode	0 = Latin 1 = Cyrillic	Able to select the Special Character input mode.	0	
16	Mobile Extension Callback time	1 ~ 64800 seconds	The amount of time the system waits to until system ends the call back.	15 seconds	15-22-04
17	Day/Night Change Key Mode	0 = Toggle 1 = Skip	Sets the operation mode for 15-07 (Code 09) Day/Night Mode Switch.	0	15-07

Conditions

None

Feature Cross Reference

None

Program

20

Program 20 : System Option Setup

20-02 : System Options for Multiline Telephones

Level
IN

Program

20

Description

Use **Program 20-02 : System Options for Multiline Telephones** to set various system options for multiline telephones.

Input Data

Item No.	Item	Input Data	Default	Related Program	Note		
01	Trunk Loop Key Operation Mode	0 = Keep Lamp 1 = Extinction	0				
		<i>Mode</i>				<i>0 = Keep Lamp</i>	<i>1 = LED Off</i>
		<i>Incoming :</i>				<i>300 IPM Red blink</i>	
		<i>Talking :</i>				<i>Green Lighting (on Talking TEL)</i>	<i>LED Off</i>
		<i>Holding :</i>				<i>60 IPM Green blink (on holding TEL)</i>	<i>LED Off</i>
02	Trunk Group Access Key Operating Mode Use this option to set the operating mode of the extension trunk group keys. The keys are for incoming access, outgoing access, or both.	0 = Outgoing / Incoming 1 = Outgoing 2 = Incoming	0				
03	BLF Control Set the conditions under which a Hotline, Reverse Voice Over or DSS Console key indicates that an extension is busy. Refer to the Reverse Voice Over feature for more information.	0 = Idle / Busy (ON/OFF) 1 = Busy / Idle (ON/OFF)	1				
04	Retrieve the Line After Transfer Enable (1) or disable (0) an extension ability to answer a call after it has been transferred, but before it is answered.	0 = Not Holding (No Keep) 1 = Holding (Keep)	1				
05	Headset Busy Mode Set the conditions under which a headset extension is busy to incoming callers.	0 = No (Disable) 1 = Yes (Enable)	0	20-09-07			
06	Pre-selection Time When a multiline terminal user preselects a line key, the system remembers the pre-selection for this time.	0 ~ 64800 seconds	5				
07	Time and Date Display Mode Set how the Time and Date appear on display telephones. There are eight display modes.	1 ~ 8 Type 1 = (12 hour) 10 MAR TUE 3 : 15 PM Type 2 = (12 hour) 3 : 15 PM MAR 10 TUE Type 3 = (12 hour) 3-10 TUE 3 : 15 PM Type 4 = (12 hour) 3 : 15 PM TUE 10 MAR Type 5 = (24 hour) 10 MAR TUE 15 : 15 Type 6 = (24 hour) 15 : 15 MAR 10 TUE Type 7 = (24 hour) 3-10 TUE 15 : 15 Type 8 = (24 hour) 15 : 15 TUE 10 MAR	4				
08	LCD Display Holding Time	0 ~ 64800 seconds	5				
09	Disconnect Supervision Use this option to enable or disable disconnect supervision for the system trunks.	0 = Disable (Off) 1 = Enable (On)	1				

Item No.	Item	Input Data	Default	Related Program	Note
10	Time Before Shifting to Power-Saving Mode	0 = No Shift 1 = 1 minute 2 = 2 minutes 3 = 4 minutes 4 = 8 minutes 5 = 16 minutes 6 = 32 minutes 7 = 64 minutes	0	15-02-18	
11	Handsfree Microphone Control Use this option to control the setting for Multiline Terminal Handsfree microphone after being disconnected and reconnected. If set to 0, the microphone is always off when the terminal is reconnected. If set to 1, the microphone remains in the same state it was in when the terminal is reconnected.	0 = Off 1 = On	1		
12	Forced Intercom Ring (ICM Call Type) Use this option to enable or disable Forced Intercom Ringing. If enabled, incoming Intercom calls normally ring. If disabled, Intercom calls voice-announce.	0 = Disable (Voice) 1 = Enable (Signal)	1		
15	Caller ID Display Mode	0 = Name and Number (Both) 1 = Name 2 = Number	0		
18	Dialing Record Display Time	0 ~ 64800 seconds	30 seconds		
19	DSS Key - Virtual Extension Mode Sets the mode of a virtual extension key that appears on a DSS console.	0 = No 1 = Yes	0		
24	LCD scroll mode	0 = Character 1 = Dot	0		

Conditions

None

Feature Cross Reference

None

Program 20 : System Option Setup

20-03 : System Options for Single Line Telephones

Level
IN

Program

20

Description

Use **Program 20-03 : System Options for Single Line Telephones** to set up various options for single line telephones.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	SLT Call Waiting Answer Mode	0 = Hook Flash (Hooking) 1 = Hook Flash + Service Code 794	For a busy single line telephone, set the mode used to answer a camped-on trunk call.	0	11-12-47
02	Ignore Received DP Dial on DTMF SLT Port	0 = Do Not Ignore (No) 1 = Ignore (Yes)	Use this option to define whether the system should receive dial pulse and DTMF signals (0) or ignore dial pulse and only accept DTMF signals (1).	0	15-03-01
03	SLT DTMF Dial to Trunk Lines	0 = Receive all dialed data, before sending (All) 1 = Direct through out (Direct)	<p>• Type 0 : The system keeps the digits dialed by the single line telephone on a trunk in a buffer. After all the digits are received, the system sends all the digits to the trunk. If the time space between digits is longer than the time in Item 4, the system considers all digits received.</p> <p>• Type 1 : The system passes the received digits from the single line telephone to the trunk immediately. If the single line telephone has a Last Number Dial key without a pause, this key may not be able to use the Last Number Dial key with the Type 1 setting.</p> <p>When using a third-party external paging device, set this option to 1. In addition, set Program 20-03-04 to 1.</p>	0	20-03-04
04	Dial Sending Start Time for SLT or ARS	0 ~ 64800 seconds	When ARS or an analog extension user accesses a trunk and dials an outside call, the system waits this time before outdialing the first digit. When using a third-party external paging device, set this option to 1. In addition, set Program 20-03-03 to 1.	1	20-03-03
05	SLT Operation Mode	0 = Normal Mode 1 = Extended Mode 1 2 = Extended Mode 2		0	
06	Headset Ringing Start Time (for SLT)	0 ~ 64800 seconds	Define the headset ringing start time. After this time expires from the time when a single line telephone is off-hook, the system sets the single line telephone to headset ringing mode.	5	20-13-38
07	Trunk Call Dial Forced Sending Start Time (Forced Dial)	0 ~ 64800 seconds		0	20-03-03 20-03-04

Conditions

None

Feature Cross Reference

- Single Line Telephones

Program 20 : System Option Setup

20-04 : System Options for Virtual Extensions

Level
IN

Program

20

Description

Use **Program 20-04 : System Options for Virtual Extensions** to set up various system options for Virtual Extensions. There are 50 available Virtual Extension ports.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	Virtual Extension Key Operation Mode	0 = Release Virtual Extension Key 1 = Hold Virtual Extension Key	With an entry of "0", after answering a call on a virtual extension key, once the call is picked up, the call comes off the virtual extension key and appears on the line or loop key. With an entry of "1", after answering a call on a virtual extension key, once the call is picked up, the call will remain on the virtual extension key.	0	
03	Virtual Extension Delay Interval	0 ~ 64800 seconds	Virtual Extensions set for Delayed Ringing (see Program 15-11) ring the extension after this time.	10	
04	Virtual Extension Key Seize Mode	0 = Normal 1 = Enhanced Option	When set to Enhanced , the BLF will not show as being busy when the station is on a trunk call. When set to Normal , the BLF will show as being busy when on a trunk call.	1	
05	Ringtone mode for incoming to VE (V2.0 Added)	0 = Off 1 = On	Defines whether incoming ring tone mode of external call to VE is enabled.	0	22-03-01 15-08-01

Conditions

None

Feature Cross Reference

- Virtual Extensions

Program 20 : System Option Setup

20-05 : System Options for Charging Cost Service

Level
IN

Description

Use **Program 20-05 : System Options for Charging Cost Service** to defines the system options for Charging Cost Service.

Input Data

Item No.	Item	Input Data	Default
04	Setting of Charge Cost per Unit	0 ~ 65535	0
06	Advice of Charge for Telephone Display	0 = No decimal point 1 = Decimal point's character is period 2 = Decimal point's character is comma	1
07	Advice of Charge for SMDR	0 = No decimal point 1 = Decimal point's character is period 2 = Decimal point's character is comma	1

Conditions

None

Feature Cross Reference

None

Program

20

Program 20 : System Option Setup

20-06 : Class of Service for Extensions

Level
IN

Program

20

Description

Use **Program 20-06 : Class of Service for Extensions** to assign a Class of Service (COS) to an extension. There are 15 Classes of Service that can be assigned. To specify the options in each Class of Service, refer to Programs 20-07 through 20-13. You make eight entries for Program 20-06, one for each Night Service Mode.

Input Data

Extension Number		Maximum eight digits
Item No.	Day/Night Mode	Class of Service for Extensions
01	1 ~ 8	1 ~ 15

Default

- Extension 101 is Class 15 and other Extension are Class 1

Conditions

None

Feature Cross Reference

- Class of Service

Program 20 : System Option Setup

20-07 : Class of Service Options (Administrator Level)

Level
IN

Description

Use **Program 20-07 : Class of Service Options (Administrator Level)** to define the administrator service availability for each extension Class of Service (COS).

Input Data

Class of Service Number		01 ~ 15			
Item No.	Item	Input Data	Default	Related Program	Note
			COS 1 ~ 14/COS 15		
01	Manual Night Service Enabled Turns off or on an extension for manual Night Service Switching.	0 = Off 1 = On	1	11-10-01	
02	Changing the Music on Hold Tone Turns off or on an extension to change the Music on Hold tone.	0 = Off 1 = On	1	11-10-02	
03	Time Setting Turns off or on an extension to set the Time via Service Code 728.	0 = Off 1 = On	1	11-10-03	
04	Storing Speed Dialing Entries Turns off or on an extension to store System or Group Speed Dialing numbers.	0 = Off 1 = On	1	11-10-04	
05	Set/Cancel Automatic Trunk-to-Trunk Transfer Turns off or on an extension user ability to use the Trunk-to-Trunk Forwarding service codes.	0 = Off 1 = On	0	11-10-06 11-10-07 11-10-08	
06	Charging Cost Display	0 = Off 1 = On	0/1	11-10-09	
10	Programmable Function Key Programming (Appearance Level) Turns off or on the ability for an extension user ability to program the Appearance function keys using Service Code 752.	0 = Off 1 = On	1	11-11-38	
11	Forced Trunk Disconnect (analog trunk only) Turns off or on an extension user ability to use Forced Trunk Disconnect.	0 = Off 1 = On	1	11-10-26	
12	Trunk Port Disable	0 = Off 1 = On	1	11-10-27	
13	VRS Record (VRS Msg Operation) Turns off or on extension user ability to record, erase and listen to VRS messages.	0 = Off 1 = On	0/1	11-10-20	
14	VRS General Message Play Turns an extension off or on to dial 4 or Service Code 611 to listen to the General Message.	0 = Off 1 = On	0/1	11-10-21	
15	VRS General Message Record/Delete Turns off or on an extension user ability to dial Service Code 612 and record, listen to, or erase the General Message.	0 = Off 1 = On	0/1	11-10-22	
18	SMDR Printout Accumulated Extension Data	0 = Off 1 = On	1	11-10-23	
19	SMDR Printout Department Group (STG) Data	0 = Off 1 = On	1	11-10-24	
20	SMDR Printout Accumulated Account Code Data	0 = Off 1 = On	1	11-10-25	
23	CO MSG Waiting Indication Callback Number Programming Enable or Disable an extension ability to receive CO Message Waiting Indication.	0 = Off 1 = On	0		

Program

20

Item	Item	Input Data	Default	Related	Note
24	Set/Cancel Private Call Refuse Enable or Disable an extension ability to set or cancel Private Call Refuse.	0 = Off 1 = On	1	11-10-32	
25	Set/Cancel Caller ID Refuse Enable or Disable an extension ability to set or cancel Caller ID Refuse.	0 = Off 1 = On	1	11-10-33 11-10-34	
26	Dial-In Mode Switch	0 = Off 1 = On	1	11-10-35	
27	Do-Not-Call Administrator	0 = Off 1 = On	0	25-01-07 15-07-89 20-01-19	
30	Date Setting	0 = Off 1 = On	1	11-10-41	
31	System Wide call forward clear	0 = Off 1 = On	0/1		

Conditions

None

Feature Cross Reference

- Class of Service

Program 20 : System Option Setup

20-08 : Class of Service Options (Outgoing Call Service)

Level
IN

Description

Use **Program 20-08 : Class of Service Options (Outgoing Call Service)** to define the outgoing call feature availability for each extension Class of Service (COS).

Input Data

Class of Service Number			01 ~ 15		
Item No.	Item	Input Data	Default	Related Program	Note
			COS 01 ~ 15		
01	Intercom Calls Turns off or on Intercom calling for the extension.	0 = Off 1 = On	1		
02	Trunk Outgoing Calls Turns off or on outgoing trunk calling for the extension.	0 = Off 1 = On	1		
03	System Speed Dialing Turns off or on an extension ability to make outbound calls using system speed dial numbers.	0 = Off 1 = On	1		
04	Group Speed Dialing Turns off or on an extension ability to make outbound calls using group speed dial numbers.	0 = Off 1 = On	1		
05	Dial Number Preview (Preset Dial) Turns off or on an extension for using Dial Number Preview.	0 = Off 1 = On	1		
06	Toll Restriction Override Turns off or on Toll Restricting Override (Service Code 663).	0 = Off 1 = On	0	21-01-07 21-07	
07	Repeat Redial Turns off or on an extension to use Repeat Redial.	0 = Off 1 = On	1		
08	Toll Restriction Dial Block Turns off or on an extension to use Dial Block.	0 = Off 1 = On	1		
09	Hotline/Extension Ringdown Turns off or on Ringdown Extension for extensions with this COS.	0 = Off 1 = On	1		
10	Signal/Voice Call Turns off or on an extension allowing it to force Handsfree Answerback or Forced Intercom Ringing for outgoing Intercom calls.	0 = Off 1 = On	1		
11	Protect for the Call Mode Switching from Caller (Internal Call)	0 = Off 1 = On	0		
12	Department Group Step Calling Turns off or on an extension to use Department Group Step Calling.	0 = Off 1 = On	1		
13	ISDN CLIP Determines if the ISDN calling line identity presentation and screening indicators are allowed.	0 = Off 1 = On	1	10-03-05 15-01-04	
14	Call Address Information	0 = Off 1 = On	0		

Program

20

Item	Item	Input Data	Default	Related	Note
15	Block Outgoing Caller ID Turns off or on the system ability to automatically block outgoing Caller ID information when a user places a call. If this option is on, the system automatically inserts the Caller ID block code (defined in Program 14-01-21) before the user-dialed digits.	0 = Off 1 = On	0	14-01-20 14-01-21	
16	Display E911 Dialed Extension Name and Number Turns off or on an extension to display the name and number of the extension that dialed E911.	0 = Off 1 = On	0		
17	ARS Override of Trunk Access Map Turns off or on an extension ability to override the trunk access map programming for outgoing calls.	0 = Off 1 = On	0		
19	Hotline for SPK The ability of an extension to have Hotline activated or deactivated when going off hook via the speaker key.	0 = Off 1 = On	0	20-08-09	
20	Hot Key Pad The ability of an extension to make a call by just dialing the number without first going off hook.	0 = Off 1 = On	0		
21	Automatic Trunk Seizing by Pressing SPK Key The ability of an extension to automatically access Trunk Route when going off hook via the speaker key.	0 = Off 1 = On	0		
22	Voice Over to Busy Virtual Extension The ability of an extension to make Voice Over to Busy Virtual Extension.	0 = Off 1 = On	0		
23	Display indication for security sensor detection	0 = Off 1 = On	0		
24	Display indication for emergency call by remote inspection	0 = Off 1 = On	0		

Conditions

None

Feature Cross Reference

- Class of Service

Program 20 : System Option Setup

20-09 : Class of Service Options (Incoming Call Service)


Level
IN

Description

Use **Program 20-09 : Class of Service Options (Incoming Call Service)** to define the incoming call feature availability for each extension Class of Service (COS).

Input Data

Class of Service Number	01 ~ 15
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Item No.	Item	Input Data	Default	Related Program	Note
			COS 01 ~ 15		
01	Second Call for DID/DISA/DIL/E&M Override Turns off or on the extension ability to receive a second call from a DID, DISA, DIL, or tie line caller.  <i>With this option set to 1, the destination extension must be busy for a second DNIS caller to ring through. If the destination extension does not have a trunk key available for the second call and a previous call is ringing the extension but has not yet been answered, the second caller hears busy regardless of this program setting.</i>	0 = Off 1 = On	1		
02	Caller ID Display Turns off or on the Caller ID display at an extension.	0 = Off 1 = On	1 (V1.5 Changed)		
03	Sub Address Identification Defines whether or not an extension displays the Caller Sub-Address.	0 = Off 1 = On	0		
04	Notification for Incoming Call List Existence Determines whether or not an extension display shows Check List when an incoming call is missed by a user.	0 = Off 1 = On	0 (V2.1 Changed)		
05	Signal/Voice Call Turn off or on an extension ability to enable Handsfree Answerback or Forced Intercom Ringing for their incoming Intercom calls.	0 = Off 1 = On	1	11-11-15 11-11-16	
06	Incoming Time Display	0 = Off 1 = On	0		
07	Call Queuing Turn off or on an extension ability to have calls queued if a call rings the extension when it is busy.	0 = Off 1 = On	0	20-13-06	
09	Deny Collect Call Receiving	0 = Off 1 = On	0		

Conditions

None

Program

20

Feature Cross Reference

- Class of Service

Program

20

Program 20 : System Option Setup

20-10 : Class of Service Options (Answer Service)

Level
IN

Description

Use **Program 20-10 : Class of Service Options (Answer Service)** to define the answer feature availability for each extension Class of Service (COS).

Input Data

Class of Service Number		01 ~ 15	
Item No.	Item	Input Data	Default
			COS 01 ~ 15
01	Group Call Pickup (Within Group) Turns off or on Group Call Pickup for calls ringing an extension Pickup Group and ringing group calls (Service Code *#).	0 = Off 1 = On	1
02	Group Call Pickup (Another Group) Turns off or on Group Call Pickup for calls ringing outside a group (Service Code 769).	0 = Off 1 = On	1
03	Group Call Pickup for Specific Group Turns off or on Group Call Pickup for a specific group (Service Code 768).	0 = Off 1 = On	1
04	Telephone Call Pickup Turns off or on an extension to be picked up by a call pickup	0 = Off 1 = On	1
05	Directed Call Pickup for Own Group Turns off or on Directed Call Pickup for calls ringing an extension Pickup Group (Service Code 756).	0 = Off 1 = On	1
06	Meet-Me Conference and Paging Turns off or on an extension to use Meet-Me Conference and Paging.	0 = Off 1 = On	1
07	Automatic Off-Hook Answer Turns off or on an extension to use Universal Auto Answer (no service code required).	0 = Off 1 = On	0
08	Virtual Extension Off-Hook Answer Turns off or on an extension to answer an incoming call on a Virtual Extension simply by lifting the handset.	0 = Off 1 = On	1
09	Call Pickup Callback Turn off or on an extension ability to use Call Pickup to pick up Callback calls.	0 = Off 1 = On	1
10	Answer Preset	0 = Off 1 = On	0

Conditions

None

Feature Cross Reference

None

Program

20

Program 20 : System Option Setup

20-11 : Class of Service Options (Hold/Transfer Service)

Level

IN

Program

20

Description

Use **Program 20-11 : Class of Service Options (Hold/Transfer Service)** to define the Hold and Transfer feature availability for each extension Class of Service (COS).

Input Data

Class of Service Number		01 ~ 15	
Item No.	Item	Input Data	Default
			COS 01 ~ 15
01	Call Forward All Turns off or on an extension ability to initiate Call Forwarding All.	0 = Off 1 = On	1
02	Call Forward When Busy Turns off or on an extension ability to use Call Forward when Busy.	0 = Off 1 = On	1
03	Call Forwarding When Unanswered Turns off or on an extension ability to use Call Forward when Unanswered.	0 = Off 1 = On	1
04	Call Forwarding (Both Ringing) Turns off or on an extension ability to activate Call Forwarding with Both Ringing.	0 = Off 1 = On	1
05	Call Forwarding with Follow Me Turns off or on an extension ability to initiate Call Forwarding with Follow Me.	0 = Off 1 = On	1
06	Unscreened Transfer (Ring Inward Transfer) Turns off or on an extension ability to use Unscreened Transfer.	0 = Off 1 = On	1
07	Transfer Without Holding Turns off or on an extension ability to use Transfer Without Holding.	0 = Off 1 = On	0
08	Transfer Information Display Turns off or on an extension ability for incoming Transfer preanswer display.	0 = Off 1 = On	1
09	Group Hold Initiate Turns off or on an extension ability to initiate a Group Hold.	0 = Off 1 = On	1
10	Group Hold Answer Turns off or on an extension ability to pick up a call on Group Hold.	0 = Off 1 = On	1
11	Automatic On-Hook Transfer Turns off or on an extension ability to use Automatic On Hook Transfer.	0 = Off 1 = On	0
12	Call Forwarding Off Premise (External Call Forwarding) Turns off or on an extension ability to set up Call Forwarding Off-Premise for their telephone.	0 = Off 1 = On	1
13	Operator Transfer After Hold Callback Turns off or on an extension ability to have a call which recalls from hold transfer to the operator.	0 = Off 1 = On	1
14	Trunk-to-Trunk Transfer Restriction Turns off or on the Trunk-to-Trunk Transfer Restriction. If enabled, Trunk-to-Trunk Transfer is not possible.	0 = Off 1 = On	0
15	VRS Personal Greeting (Message Greeting) Turns off or on a Service Code to record, listen to, or erase the Personal Greeting Message.	0 = Off 1 = On	1

Item No.	Item	Input Data	Default
16	Call Redirect Turns off or on a multiline terminal user ability to transfer a call to a predefined destination (such as an operator, voice mail, or another extension) without answering the call.	0 = Off 1 = On	1
17	Department Group Trunk-to-Trunk Transfer (Each Telephone Group Transfer) Turns off or on an extension user ability to set Trunk-to-Trunk Forwarding for a Department Group.	0 = Off 1 = On	1
18	No Recall No Recall set to "Allow" (1) will not stop transferred calls from recalling from a virtual extension.	0 = Off 1 = On	0
19	Hold/Extended Park Determine if an extension Class of Service should allow either a normal or extended Park.	0 = Off 1 = On	0
20	No Callback Turns off or on an extension to receive callbacks.	0 = Off 1 = On	0
21	Restriction for Tandem Trunking on Hang Up Allow (0) or Deny (1) an extension user ability to set up a tandem/conference call automatically when they hang up.	0 = Allow 1 = Deny	0
22	Restricted Unsupervised Conference Allow (0) or Deny (1) an extension ability to initiate an unsupervised conference.	0 = Allow 1 = Deny	0
23	VE Call Forward Set/Cancel Turn on or off an extension ability to set or cancel call forwarding for a virtual extension.	0 = Off 1 = On	1
24	Trunk Park Hold Mode Set the hold type when a trunk call is put on hold by an extension.	0 = Non Exclusive Hold (Off) 1 = Exclusive Hold (On)	1
25	Transfer Park Call Turn off or on an extension ability to transfer a parked call.	0 = Off 1 = On	1
26	Station Park Hold mode	0 = Off 1 = On	0
27	Call Park Automatically Search	0 = Off 1 = On	1
28	Both Ring Enhancement	0 = Normal 1 = Enhanced	0

Conditions

None

Feature Cross Reference

- Class of Service

Program 20 : System Option Setup

20-12 : Class of Service Options (Charging Cost Service)

Level

IN

Program

20

Description

Use **Program 20-12 : Class of Service Options (Charging Cost Service)** to define the Charging Cost service availability for each extension service class.

Input Data

Class of Service Number		01 ~ 15	
Item No.	Item	Input Data	Default
			COS 01~15
02	Advice of Charge ISDN-AOC	0 = Off 1 = On	0
03	Cost Display (TTU)	0 = Off 1 = On	1

Conditions

None

Feature Cross Reference

- Class of Service

Program 20 : System Option Setup

20-13 : Class of Service Options (Supplementary Service)

Level

IN

Description

Use **Program 20-13 : Class of Service Options (Supplementary Service)** to define the supplementary feature availability for each extension Class of Service (COS).

Input Data

Class of Service Number		01 ~ 15			
Item No.	Item	Input Data	Default COS 01 ~ 15	Related Program	Note
01	Long Conversation Alarm Turns off or on the Warning Tone for Long Conversation (not for single line telephones).	0 = Off 1 = On	0		
02	Long Conversation Cutoff (Incoming) Turns off or on an extension ability to use Long Conversation Cutoff for incoming calls.	0 = Off 1 = On	0		
03	Long Conversation Cutoff (Outgoing) Turns off or on an extension ability to use Long Conversation Cutoff for outgoing calls.	0 = Off 1 = On	0		
04	Call Forward/DND Override (Bypass Call) Turns off or on an extension ability to use Call Forwarding/DND Override.	0 = Off 1 = On	1		
05	Intercom Off-Hook Signaling Turns off or on an extension ability to receive off-hook signals.	0 = Off 1 = On	1		
06	Automatic Off-Hook Signaling (Automatic Override) Allows a busy extension ability to manually (0) or automatically (1) receive off-hook signals.	0 = Off 1 = On	1		
07	Message Waiting Turns off or on an extension ability to leave Message Waiting.	0 = Off 1 = On	0 (V2.1 Changed)		
08	Conference Turns off or on an extension user ability to initiate a conference or Meet-Me Conference.	0 = Off 1 = On	1		
09	Privacy Release Turns off or on an extension user ability to initiate a Voice Call Conference.	0 = Off 1 = On	1		
10	Barge-In Monitor Enables the extension Barge-In Mode to be Speech mode (0) or Monitor mode (1).	0 = Speech 1 = Monitor	0	20-13-45	
11	Room Monitor, Initiating Extension Turns off or on extension user ability to Room Monitor other extensions.	0 = Off 1 = On	0		
12	Room Monitor, Extension Being Monitored Turn off or on an extension ability to be monitored by other extensions.	0 = Off 1 = On	0		
13	Continued Dialing (DTMF) Signal on ICM Call Turn off or on an extension user ability to use Continued Dialing, which allows DTMF signal sending while talking on extension.	0 = Off 1 = On	1		

Program

20

Item	Item	Input Data	Default	Related	Note
14	Department Calling (PLT No Called Extension) Turns off or on an extension user ability to call a Department Group Pilot.	0 = Off 1 = On	1		
15	Barge-In, Initiate Turns off or on an extension user ability to barge-in on other's calls.	0 = Off 1 = On	0		
16	Barge-In, Receive Turns off or on an extension ability to have other extensions barge-in on calls.	0 = Off 1 = On	0		
17	Barge-in Tone/Display (Intrusion Tone) Turns off or on the Barge-In tone. If on, callers hear an alert tone and their display indicates the Barge-In when another extension barges into their conversation. If off, there is no alert tone or display indication.	0 = Off 1 = On	1		
18	Programmable Function Key Programming (General Level) Turns off or on extension user ability to program General function keys using Service Code 751 (by default). (Refer to Program 20-07-10 for Service Code 752.)	0 = Off 1 = On	1		
19	Selectable Display Messaging (Text Messaging) Turns off or on an extension user ability to use Selectable Display Messaging.	0 = Off 1 = On	1		
20	Account Code/Toll Restriction Operator Alert (Restricted Operation Transfer) Turns off or on operator alert when an extension user improperly enters an Account Code or violates Toll Restriction.	0 = Off 1 = On	0		
21	Extension Name Turns off or on an extension user ability to program its name.	0 = Off 1 = On	1		
22	Busy Status Display (Called Party Status) Turns off or on the ability to display the detailed state of the called party.	0 = Off 1 = On	0	20-13-06	
23	Display the Reason for Transfer Select whether an extension should display the reason a call is being transferred to their extension (Call Forward Busy, Call Forward No Answer, and DND).	0 = Off 1 = On	0		
24	Privacy Release by Pressing Line Key Turns off or on a user ability to press a line key to barge into an outside call. The Barge-In feature must be enabled if this option is to be used.	0 = Off 1 = On	0		
26	Group Listen Turns off or on an extension user ability to use Group Listen.	0 = Off 1 = On	1		
27	Busy on Seizing Virtual Extension If set to 1, you can call a busy extension which is talking on a virtual extension key. Program 20-13-06 (Call Waiting) must be set to 0 for this option to work.	0 = Off 1 = On	1		
28	Allow Class of Service to be Changed Turns off or on the ability of an extension Class of Service to be changed via Service Code 677.	0 = Off 1 = On	0		
29	Paging Display Turns off or on an extension user ability to display paging information.	0 = Off 1 = On	1		
30	Background Music Allow or Deny an extension user to turn Background Music on and off.	0 = Deny 1 = Allow	1		
31	Connected Line Identification (COLP)	0 = Off 1 = On	0		
32	Deny Multiple Barge-Ins Allows or Denies an extension from having multiple users Barge into their conversation.	0 = Off 1 = On	0		

Item	Item	Input Data	Default	Related	Note
34	Block Manual Off-Hook Signaling Turns off or on an extension user ability to block off-hook signals manually sent from a co-worker.	0 = Off 1 = On	0		
35	Block Camp On Turns off or on an extension user ability to block callers from dialing to Camp On.	0 = Off 1 = On	0		
36	Call Duration Timer Display Turns off or on an extension display of the Call Duration Time. The system waits until the interdigit time (Program 21-01-01) expires before beginning this timer.	0 = Off 1 = On	1		
38	Headset Ringing for SLT Turn off or on an extension user ability to use the Headset ringing	0 = Off 1 = On	0		
40	Do Not Disturb Turn off or on an extension user ability to set or cancel Do Not Disturb.	0 = Off 1 = On	1	11-11-08 15-07-03	
41	Voice Mail Message Indication on DSS Turn off or on the Voice Mail Message Indication for an extension on a DSS console.	0 = Off 1 = On	0		
42	Extension Data Swap Enabling Turn off or on an extension user ability to use Extension Data Swap.	0 = Off 1 = On	1	11-15-12	
44	Live Monitor Enabling Turn off or on an extension user ability to use Live Monitor.	0 = Off 1 = On	1		
45	Mute Key Mode while Call Monitoring Set per class of service, when in Call Monitoring Mode determines if the monitored parties receive the barge in alert tone when Coaching Mode is enabled.	0 = Off 1 = On	1	20-13-10	
46	Remote Conference	0 = Off 1 = On	1	11-19 20-34	
47	Station Number Display Determine if a station Number will be displayed (On) or not displayed (Off) in the LCD when the phone is in an idle state.	0 = Off 1 = On	1		
48	Station Name Display Determine if a station Number will be displayed (On) or not displayed (Off) in the LCD when the phone is in an idle state.	0 = Off 1 = On	1		
49	BLF Indication on CO Incoming State Determine if a BLF of the station will light when a Normal CO call is ringing the phone.	0 = Off 1 = On	0		
51	Number and Name appear in the Directory Determine if an extension name and number will be listed (On) or unlisted (Off) in the directory.	0 = Off 1 = On	1		
52	VoIPDB All DSP Busy Display Set whether "All DSP Busy" alarm displays on LCD when the caller makes an IP call and there is no VoIPDB DSP resource.	0 = Disable 1 = Enable	1		
53	Language Selection for specific extension	0 = Disable 1 = Enable	0	11-11-68 15-02-01 47-02-16	
54	Call waiting for standard SIP terminal	0 = Disable 1 = Enable	0	20-13-05 20-13-06 20-09-01 20-09-07	
55	Intercom Call to Room Monitor	0 = Off 1 = On	0		

Conditions

None

Feature Cross Reference

- Class of Service

Program

20

Program 20 : System Option Setup

20-14 : Class of Service Options for DISA/E&M

Level
IN

Description

Use **Program 20-14 : Class of Service Options for DISA/E&M** to enable/disable DISA and tie line Class of Service options. You assign a DISA Class of Service to DISA users in Program 25-09. Assign tie line Classes of Service in 34-02. Up to 15 DISA/E&M Classes of Service can be defined.



Analog trunk-to-analog trunk and ISDN trunk-to-ISDN trunk calls are supported by this program. However, analog trunk-to-ISDN trunk and ISDN trunk-to-analog trunk calls are NOT supported by this program.

Input Data

Class of Service Number		01 ~ 15	
Item No.	Item	Input Data	Default
			COS 01 ~ 15
01	First Digit Absorption (Delete First Digit Dialed) For tie lines, enable or disable the ability to absorb (ignore) the first incoming digit. Use this to make the tie trunk compatible with 3- and 4-digit tie line service. This option does not apply to DISA.	0 = Off 1 = On	0
02	Trunk Group Routing/ARS Access This option enables or disables a DISA or tie trunk caller ability to dial 9 for Trunk Group Routing or Automatic Route Selection (ARS/F-Route).	0 = Off 1 = On	0
03	Trunk Group Access This option enables or disables a DISA or tie trunk caller ability to access trunk groups for outside calls (Service Code 704).	0 = Off 1 = On	1
04	Outgoing System Speed Dial This option enables or disables DISA or tie trunk caller ability to use the System Speed Dialing.	0 = Off 1 = On	0
05	Operator Calling This option enables or disables a DISA or tie trunk caller ability to dial 0 for the telephone system operator.	0 = Off 1 = On	1
06	Internal Paging This option enables or disables a DISA or tie trunk caller ability to use the telephone system Internal Paging.	0 = Off 1 = On	1
07	External Paging This option enables or disables a DISA or tie trunk caller ability to use the telephone system External Paging.	0 = Off 1 = On	1
08	Direct Trunk Access This option enables or disables a DISA or tie trunk caller ability to use Direct Trunk Access (Service Code #9).	0 = Off 1 = On	0
09	Forced Trunk Disconnect <Not for ISDN T-point> This option enables or disables a tie trunk caller ability to use Forced Trunk Disconnect (Service Code 11-10-26). This option is not available to DISA callers.	0 = Off 1 = On	0
10	Call Forward Setting by Remote via DISA Enable or disable a DISA caller ability to use the Call Forward service codes (Programs 11-11-01 ~ 11-11-05).	0 = Off 1 = On	0
11	DISA/Tie Trunk Barge-In This option enables or disables a DISA or tie trunk caller ability to use the Barge-In.	0 = Off 1 = On	0
12	Retrieve Park Hold This option enables or disables a DISA or tie trunk caller ability to retrieve a Park Hold call.	0 = Off 1 = On	1

Program

20

Conditions

None

Feature Cross Reference

- Class of Service
- Direct Inward System Access (DISA)

Program

20

Program 20 : System Option Setup

20-15 : Ring Cycle Setup

Level
IN

Description

Use **Program 20-15 : Ring Cycle Setup** to define the ringing cycles for each ring type.

Input Data

Item No.	Incoming Signal Type	Ringing Cycle	Default
01	Normal Incoming Call on Trunk	1 ~ 13	3
02	PBX, CES Incoming Call		8
03	Incoming Internal Call		3
04	DID/DISA/VRS		8
05	DID/DDI		8
06	Dial-In in the E&M Tie Line		12
07	Door Box Ringing for SLT		8
08	Virtual Extension Ring		8
09	Callback		11
10	Alarm for SLT		5
11	VRS Waiting Message Incoming Call		8

Table 2-4 Ringing Cycles

Number	Ringing Cycle
1	On
2	On : 2.0 / Off : 4.0
3	On : 1.0 / Off : 2.0
4	On : 0.5 / Off : 0.5
5	On : 0.25 / Off : 0.25
6	On : 0.5 / Off : 0.5 / On : 0.5 / Off : 1.5
7	On : 0.25 / Off : 0.25 / On : 0.25 / Off : 5.25
8	On : 0.375 / Off : 0.25 / On : 0.375 / Off : 2.0
9	On : 0.25 / Off : 0.125 / On : 0.25 / Off : 0.125 / On : 0.25 / Off : 2.0
10	On : 1.0 / Off : 4.0
11	On : 0.25 / Off : 0.25 / On : 0.25 / Off : 4.25
12	On : 1.0 / Off : 3.0
13	On : 0.25 / Off : 0.25 / On : 0.25 / Off : 2.25

Conditions

None

Feature Cross Reference

None

Program

20

Program 20 : System Option Setup

20-16 : Selectable Display Messages

Level
SA

Program

20

Description

Use **Program 20-16 : Selectable Display Messages** to enter the Selectable Display Messages. There are 20 alphanumeric messages, with up to 48 characters. Use the following chart when programming messages.

Use this keypad digit ...	When you want to ...
1	Enter characters: 1 @ [¥] ^ _ ` { } → ← Á Â Ã Ä Å Æ Ç È É Ì Ó
2	Enter characters : A-C, a-c, 2.
3	Enter characters : D-F, d-f, 3.
4	Enter characters : G-I, g-i, 4.
5	Enter characters : J-L, j-l, 5.
6	Enter characters : M-O, m-o, 6.
7	Enter characters : P-S, p-s, 7.
8	Enter characters : T-V, t-v, 8.
9	Enter characters : W-Z, w-z, 9.
0	Enter characters : 0 ! " # \$ % & ' () ð ó ú ä å æ ö ü ø ε θ B
*	Enter characters : * + , - . / : ; < = > ? π Σ σ Ω ∞ ç £
#	# = Accepts an entry (only required if two letters on the same key are needed - ex : TOM). Pressing # again = Space. (In system programming mode, use the right arrow soft key instead to accept and/or add a space.)
Clear/Back	Clear the character entry one character at a time.
Flash	Clear all the entries from the point of the flashing cursor and to the right.

Input Data

Selectable Display Message Number	01 ~ 20
-----------------------------------	---------

Item No.	Input Data
01	48 characters

Default

Number	Message
1	IN MEETING UNTIL ## : ##
2	MEETING ROOM - #####
3	COME BACK ## : ##
4	PLEASE CALL #####
5	BUSY CALL AFTER ## : ##
6	OUT FOR LUNCH BACK ## : ##
7	BUSINESS TRIP BACK ## / ##
8	BUSINESS TRIP #####
9	GONE FOR THE DAY
10	ON VACATION UNTIL ## / ##
11	MESSAGE 11
12	MESSAGE 12
13	MESSAGE 13
14	MESSAGE 14
15	MESSAGE 15
16	MESSAGE 16
17	MESSAGE 17
18	MESSAGE 18
19	MESSAGE 19
20	MESSAGE 20

Conditions

- Time value ## : ## must be followed by two spaces.

Feature Cross Reference

- Selectable Display Messages

Program 20 : System Option Setup

20-17 : Operator Extension

Level
IN

Program

20

Description

Use Program **20-17 : Operator Extension** to designate an operator. When an extension user dials 0 (defined by Program 11-01 Type 5), calls go to the operator selected in this program.

If you do not assign an extension in Program 90-11-01, system alarms appear on the extension assigned in this option.

Input Data

Operator Number		1 ~ 8			
Item No.	Item	Input Data	Description	Default	Related Program
01	Operator's Extension Number	Up to eight digits	Define the extension numbers which are to be used by operators.	101	11-01 20-01-01
02	Operator Console	0 = Normal key set 1 = Special Operator Console		0	

Conditions

None

Feature Cross Reference

- Intercom

Program 20 : System Option Setup

20-18 : Service Tone Timers

Level
IN

Description

Use **Program 20-18 : Service Tone Timers** to set the values for the system service tone timers. Refer to the following chart for a description of each option, its range and default setting.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	Extension Dial Tone Time	0 ~ 64800 seconds	After getting Intercom dial tone, a telephone user has this time to dial the first digit of the Intercom call.	30	
02	Busy Tone Timer	0 ~ 64800 seconds		15	
03	Congestion Tone	0 ~ 64800 seconds	A Busy Tone when system resources run short. (Such as DTMF receiver resources).	10	
04	Call Waiting Tone Timer	0 ~ 64800 seconds	This option sets the time between Call Waiting tones. This timer also sets the time between Off-Hook Signaling alerts.	10	
05	Multiline Confirmation Tone	0 ~ 64800 seconds		10	
06	Interval of Call Waiting Tone	0 ~ 64800 seconds		10	
07	Intrusion Tone Repeat Time	0 ~ 64800 seconds	After a call is interrupted (such as Barge-In, Voice Mail Conversation Recording, or Voice Over), the system repeats the Intrusion Tone after this time. Normally, you should enter 0 to disable this time.	0	
08	Conference Tone Interval	0 ~ 64800 seconds		0	
09	Warning Beep Tone Signaling Interval	0 ~ 64800 seconds		60	14-01-18

Conditions

None

Feature Cross Reference

- Distinctive Ringing, Tones, and Flash Patterns

Program

20

Program 20 : System Option Setup

20-19 : System Options for Caller ID

Level
IN

Program

20

Description

Use **Program 20-19 : System Options for Caller ID** to define the system options for the Caller ID feature.

Input Data

Item No.	Item	Input Data	Description	Default
01	Caller ID Displaying Format	0 = First 10 digits (Upper) 1 = Last 10 digits (Lower)	(if displaying digits are more than 12 digits)	0
02	Caller ID Wait Timer	0 ~ 30 seconds	When an incoming CO call is received, the SL1100 starts the timer. It will wait the programmed time for Caller ID information from Telco before connecting the CO call.	2
03	Caller ID Edit Mode (V2.0 Added)	0 = Off 1 = On	If Caller ID Edit Mode is disabled (0), no access code will be added to the Caller ID. If this option is enabled (1), the access code entered in PRG 10-02-02 & 10-02-03 will be added to the beginning of the Caller ID.	1
04	Wait Facility IE Timer	0 ~ 64800 seconds	This timer is used with ISDN trunks to determine how long the system waits for the Caller ID name from the Telco.	10
05	Caller ID Sender Queuing Time (Sender Wait)	0 ~ 64800 seconds		0
07	Long Distance Code	Up to two digits		No Setting
08	Area Code	Up to six digits		No Setting

Conditions

None

Feature Cross Reference

- Caller ID

Program 20 : System Option Setup

20-20 : Message Setup for Non-Caller ID Data

Level
IN

Description

Use **Program 20-20 : Message Setup for Non-Caller ID Data** to define the messages which are displayed when no Caller ID information is received.

Input Data

Item No.	Item	Input Data	Default
01	Private Call	24 Alphanumeric Characters	PRIVATE
02	Call from Out of Service Area		OUT OF AREA
03	Call Information with Error		NO CALLER INFO

Conditions

None

Feature Cross Reference

- Caller ID

Program

20

Program 20 : System Option Setup

20-21 : System Options for Long Conversation

Level
IN

Program

20

Description

Use **Program 20-21 : System Options for Long Conversation** to define the system options for the Long Conversation feature.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	Long Conversation Alarm 1	0 ~ 64800 seconds	The warning tone for long toll calls sounds after this time.	170	14-01-15
02	Long Conversation Alarm 2	0 ~ 64800 seconds	After the initial long toll call warning tone, additional warning tones sound after this time.	180	14-01-15
03	Long Conversation Cutoff for Incoming Call	0 ~ 64800 seconds	This timer determines how long the system waits before disconnecting an incoming call.	0	14-01-14
04	Long Conversation Cutoff for Outgoing Call	0 ~ 64800 seconds	This timer determines how long the system waits before disconnecting an outgoing call.	0	14-01-14
05	Conversation cutoff for remote monitor	0 ~ 64800 seconds		180	

Conditions

None

Feature Cross Reference

- Long Conversation Cutoff

Program 20 : System Option Setup

20-23 : System Options for CTI

Level
IN

Description

Use **Program 20-23 : System Options for CTI** to define the system options for the CTI feature.

Input Data

Item No.	Item	Input Data	Description	Default
01	Delayed ring timer for CTI	0 ~ 64800 seconds		30 second
02	ALERT replay time (CTI)	0 ~ 64800 seconds		8 second
03	Trunk Virtual Bridge - TSP Driver	0 = Disable (No) 1 = Enable (Yes)	Enable or disable the system to send trunk or virtual extension information to the TSP driver.	1
04	The Timer that waits for an off-hook for Single Line Telephone	0 ~ 64800 seconds		30 second

Conditions

None

Feature Cross Reference

None

Program

20

Program 20 : System Option Setup

20-25 : ISDN Options

Level
IN

Program

20

Description

Use Program 20-25 : ISDN Options to define the ISDN system options.

Input Data

Item No.	Item	Input Data	Description	Default
01	Send the Release Message After Subscriber Hangs Up	0 = Service Off 1 = Service On		1
02	Progress Indicate Information Element Detect	0 = Service Off 1 = Service On		1
03	Bearer Capability Select from SLT Outgoing	0 = 3.1 KHz Audio 1 = Speech		0
04	Send DT until user dials first digit (Local Dial Tone)	0 = Service Off 1 = Service On	With Overlap Sending Mode, if the network side stops dial tone when CLI is included in the SETUP message, the system sends dial tone until the user dials the first digit instead of the network.	0
05	T305 Timer Start After Sending Disconnect Message	0 = Service Off 1 = Service On		1
06	Call Proceeding Send Mode	0 = Service Off 1 = Service On		1
07	Local Busy Tone Mode Set When Disconnect Message Received	0 = Local Busy Tone Off 1 = Busy Tone from NT (network side)		0
08	Use of Lower Layer Compatibility (LLC)	0 = Disable (Off) 1 = Enable (On)	This Program must be set to (0 = Disable) for International Dialing when using Calling Number Presentation (CPN) from station.	0
09	High Layer Compatibility (HLC) Sending	0 = Disable (Off) 1 = Enable (On)		0
10	S-Point Terminal Seizes Analog Trunk	0 = Disable (Off) 1 = Enable (On)		1
11	Automatic Changing System Clock When Date/Time Information Element Received	0 = Disable (Off) 1 = Enable (On)		0
12	Call Forward Options (Auto Connect Send)	0 = Normal - No Message (Off) 1 = Normal - No Message (On)	Incoming Calls Forwarded Out Automatically Return Connect Message When Outgoing Call Receives Alerting Message.	0
13	Local Busy Tone (Release)	0 = Off 1 = On	Busy tone sends when T-point receiving a RELEASE message from Network.	1
14	No Response Release Send	0 = Off 1 = On	Operation mode setting for when second T303 timer expires.	0

Conditions

None

Feature Cross Reference

- ISDN Compatibility

Program 20 : System Option Setup

20-26 : Multiplier for Charging Cost

Level
IN

Description

Use **Program 20-26 : Multiplier for Charging Cost** to define the Multiplier for charging cost to each extension service class.

Input Data

Service Class		01 ~ 15	
Item No.	Item	Input Data	Default
01	Value (%)	100 ~ 500	100

Conditions

None

Feature Cross Reference

None

Program

20

Program 20 : System Option Setup

20-28 : Trunk to Trunk Conversation

Level
IN

Program

20

Description

Use **Program 20-28 : Trunk to Trunk Conversation** to define system options for Trunk to Trunk Conversation.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	Conversation Continue Code	0 ~ 9, *, # (Set for one digit only)	Input the code that can be dialed to continue the conversation after the Trunk-to-Trunk Release Warning Tone is heard.	No Setting	14-01-25 20-28-03 24-02-07 24-02-10 25-07-07 25-07-08
02	Conversation Disconnect Code	0 ~ 9, *, # (Set for one digit only)	Input the code that can be dialed to disconnect the conversation after the Trunk-to-Trunk Release Warning Tone is heard.	No Setting	14-01-25 24-02-07 24-02-10 25-07-07 25-07-08
03	Conversation Continue Time	0 ~ 64800 seconds	Input how long the conversation extends when the Conversation Continue Code is dialed.	0	14-01-25 20-28-01 24-02-07 24-02-10 25-07-07 25-07-08

Conditions

None

Feature Cross Reference

None

Program 20 : System Option Setup

20-29 : Timer Class for Extension

Level
IN

Description

Use **Program 20-29 : Timer Class for Extension** to assign the timer class to each extension. There are 16 Classes that can be assigned. You make eight entries for this Program, one for each Night Service Mode. This entry includes virtual extension numbers.

The details of classes are assigned by Program 20-31.

Input Data

Extension Number		Up to eight digits	
Item No.	Item	Input Data	Default
01	Day/Night Mode 1 ~ 8	0 ~ 15 0 = Not assigned	0

Conditions

None

Feature Cross Reference

None

Program

20

Program 20 : System Option Setup

20-30 : Timer Class for Trunks

Level
IN

Program

20

Description

Use **Program 20-30 : Timer Class for Trunks** to assign the timer class to each trunk. There are 16 Classes that can be assigned. You make eight entries for this Program, one for each Night Service Mode. The details of classes are assigned by Program 20-31.

Input Data

Trunk Port Number		001 ~ 096	
Item No.	Item	Input Data	Default
01	Day/Night Mode 1 ~ 8	0 ~ 15 0 = Not assigned	0

Conditions

None

Feature Cross Reference

None

Program 20 : System Option Setup

20-31 : Timer Class Timer Assignment

Level
IN

Description

Use **Program 20-31 : Timer Class Timer Assignment** to assign values to the timers on a class of service basis.

Input Data

Timer Class Number		0 ~ 15			
Item No.	Item	Input Data	Description	Default	Related Program
01	Trunk Queuing Callback Duration Time	0 ~ 64800 seconds	Trunk Queuing Callback rings an extension for this amount of time	15 seconds	20-01-08
02	Callback / Trunk Queuing Cancel Time	0 ~ 64800 seconds	The system cancels an extension Callback or Trunk Queuing request after this amount of time.	64800 seconds	20-01-09
03	Virtual Extension Delay Interval	0 ~ 64800 seconds	Virtual Extensions set for Delayed Ringing (refer to 15-11 : Virtual Extension Delayed Ring Assignment ring the extension after this time.	10 seconds	20-04-03
04	Intercom Interdigits Time (Intercom I/D Timer)	0 ~ 64800 seconds	When placing Intercom calls, extension users must dial each digit in this time.	10 seconds	21-01-02
05	Trunk Interdigits Time (Trunk I/D Timer)	0 ~ 64800 seconds	The system waits for this time to expire before placing the call in a talk state (Call Timer starts after time expires, Voice Over and Barge-In are not allowed until after time expires).	10 seconds	21-01-03
06	Hotline Time Start Time (Hotline Start)	0 ~ 64800 seconds	A Ringdown extension automatically calls the programmed destination after this time.	0 seconds	21-01-09
07	Ring No Answer Alarm Time	0 ~ 64800 seconds	If a trunk rings a multiline telephone longer than this time, the system changes the ring cadence. This indicates to the user that the call has been ringing too long.	60 seconds	22-01-03
08	DIL/Incoming Ring Group No Answer Time	0 ~ 64800 seconds	A DIL that rings its programmed destination longer than this time diverts to the DIL No Answer Ring Group (set in Program 22-08).	0 second	22-01-04
09	DID Ring-No-Answer Time	0 ~ 64800 seconds	In systems with DID Ring-No-Answer Intercept, this time sets the Ring-No-Answer time. This time is how long a DID call rings the destination extension before rerouting to the intercept ring group.	20 seconds	22-01-06
10	Hold Recall Time (Non Exclusive Hold)	0 ~ 64800 seconds	A call on Hold recalls the extension that placed it on Hold after this time. This time works with the Hold Recall Callback Time (Program 24-01-02).	90 seconds (V1.5 Changed)	24-01-01
11	Hold Recall CallBack Time (Non Exclusive Hold)	0 ~ 64800 seconds	A trunk recalling from Hold or Park rings an extension for this time. This time works with Hold Recall Time or Park Hold Time. After this time, the system invokes the Hold Recall Time again. Cycling between time Program 24-01-01 and 24-01-02 and Program 24-01-06 and 24-01-07 continues until a user answers the call.	30 seconds	24-01-02

Program

20

Item No.	Item	Input Data	Description	Default	Related Program
12	Exclusive Hold Recall Time	0 ~ 64800 seconds	A call left on Exclusive Hold recalls the extension that placed it on Hold after this time.	90 seconds	24-01-03
13	Exclusive Hold Recall Callback Time	0 ~ 64800 seconds	An Exclusive Hold Recall rings an extension for this time. If not picked up, the call goes back on System Hold.	30 seconds	24-01-04
14	Park Hold Time - Normal	0 ~ 64800 seconds	A call left parked longer than this time interval recalls the extension that initially parked it.	90 seconds (V1.5 Changed)	24-01-06
15	Delayed Call Forwarding Time (Call Forward No Answer)	0 ~ 64800 seconds	If activated at an extension, Delayed Call Forwarding occurs after this time. This also sets how long a Transferred call waits at an extension forwarded to Voice Mail before routing to the called extension mailbox.	10 seconds	24-02-03
16	Transfer Recall Time	0 ~ 64800 seconds	An unanswered transferred call recalls after this time to the extension that initially transferred it.	30 seconds (V1.5 Changed)	24-02-04
17	DID/DISA No Answer Time (Disconnect or IRG or VM)	0 ~ 64800 seconds	A VRS/DISA caller can ring an extension for this time before the system sets the call as a Ring No Answer. After this time expires, the call follows the programmed Ring No Answer routing (set in Program 25-03 and 25-04).	0 seconds	25-07-02
18	Disconnect after Re-transfer to IRG	0 ~ 64800 seconds		60 seconds	25-07-03
19	Long Conversation Warning Tone Time (Trunk to Trunk)	0 ~ 64800 seconds	Determine the time a DISA caller or any trunk-to-trunk (such as Tandem Trunking) conversation can last before the Long Conversation tone is heard	1800 seconds	25-07-07
20	Long Conversation Disconnect (Trunk to Trunk)	0 ~ 64800 seconds	This time determines how long the system waits before disconnecting a DISA caller or any trunk-to-trunk (such as Tandem Trunking) conversation call after the Long Conversation tone is heard.	15 seconds	25-07-08
21	DISA Internal Paging Time	0 ~ 64800 seconds	This is the maximum length of an Internal Page placed by a DISA caller. If the Page continues longer than this time, the system terminates the DISA call.	30 seconds	25-07-09
22	DISA External Paging Time	0 ~ 64800 seconds	This is the maximum length of an External Page placed by a DISA caller. If the Page continues longer than this time, the system terminates the DISA call.	30 seconds	25-07-10
23	Page Announcement Duration	0 ~ 64800 seconds	This timer sets the maximum length of Page announcements. (Affects External Paging only)	1200 seconds	31-01-02
24	Mobile Extension answer time	1 ~ 64800 seconds		3 seconds	22-01-12
25	Mobile Extension callback time	1 ~ 64800 seconds		15 seconds	20-01-16

Conditions

- These timers are used when an extension or trunk is assigned to a class from 1 to 16 in 20-29-01 or 20-30-01. When the timer class is set to 0, the system-wide timer is used.
- All defaults are the same as the system-wide timers.

Feature Cross Reference

None

Program 20 : System Option Setup

20-34 : Remote Conference Group Setup

Level
SA

Description

Use **Program 20-34 : Remote Conference Group Setup** to define the Remote Conference options.

Input Data

Remote Conference Group Number		1 ~ 4		
Item No.	Item	Input Data	Description	Default
01	Conference Name	Up to 12 characters	Enter the name displayed at the time of a Remote Conference. This entry will display on the keyset LCD.	Group1 = Conf1 Group2 = Conf2 Group3 = Conf3 Group4 = Conf4
02	Password	4 digits Fixed (0 ~ 9, @ = wild character)	Define the password of a Remote Conference.	Group1 = 1111 Group2 = 2222 Group3 = 3333 Group4 = 4444
03	Max participants	0 ~ 32	Define the maximum number of participants of a Remote Conference.	8
04	Max Conference Duration	0 ~ 64800 seconds	Define the maximum duration of a Remote Conference. When this time passes, the conference is disconnected by the SL1100.	7200 seconds
05	End Tone Alert Time	0 ~ 64800 seconds	Determine how long prior disconnecting a Remote Conference call (based on the maximum conference duration above) the SL1100 should send out a beep. This is used to warn the conference participants of the pending disconnect.	300 seconds

Conditions

None

Feature Cross Reference

- Conference, Remote

Program

20

Program 20 : System Option Setup

20-35 : Extension's Operator Setting

Level

IN

Program

20

Description

Use **Program 20-35 : Extension's Operator Setting** to assign an extension to an operator group.

Input Data

Extension Number	Up to eight digits
------------------	--------------------

Item No.	Item	Input Data	Default
01	Extension's Operator Setting	0 ~ 15 (0 = Not Set)	0

Conditions

None

Feature Cross Reference

None

Program 20 : System Option Setup

20-36 : Trunk's Operator Setting

Level
IN

Description

Use **Program 20-36 : Trunk's Operator Setting** to assign a trunk to an operator group.

Input Data

Trunk Port Number		001 ~ 096		
Item No.	Item	Input Data	Description	Default
01	Trunk's Operator Setting	0 ~ 15 (0 = Not assigned)	Allows the user to select Operator Group per trunk when DISA is being used. After the user enters the 6 digit DISA password if the user dials 0 this command will decide which operator to route the call to.	0

Conditions

None

Feature Cross Reference

None

Program

20

Program 20 : System Option Setup

20-37 : Operator Extension Group Setup

Level
IN

Program

20

Description

Use **Program 20-37 : Operator Extension Group Setup** to define the operator(s) in the operator group.

Input Data

Operator Group		1 ~ 15	
Operator Number		1 ~ 8	
Item No.	Item	Input Data	Default
01	Operator Extension Group Setup	Up to eight digits	None

Conditions

None

Feature Cross Reference

None

Program 20 : System Option Setup

20-38 : Operator Group Setting

Level
IN

Description

Use **Program 20-38 : Operator Group Setting** to set up priority of a call when calling an operator telephone.

Input Data

Operator Group		1 ~ 15		
Item No.	Item	Input Data	Description	Default
01	Operator Access Mode	0 = Step 1 = Circular	Assign if the operator is called, starting with the first operator, every time (0) or a different operator is tried first (1)	0

Conditions

None

Feature Cross Reference

None

Program

20

Program 20 : System Option Setup

20-42 : Night Mode for each package

Level

IN

Program

20

Description

Use **Program 20-42 : Night Mode for each package** to assigns the Night Mode to each package. This Program uses ecology function (Program 20-43).

Input Data

PKG Number	02 ~ 09
------------	---------

Item No.	Item	Input Data	Description	Default	Related Program
01	Ecology Mode group No	1 ~ 4	Assign Night mode group number per each package (slot)	1	12-02

Conditions

None

Feature Cross Reference

None

Program 20 : System Option Setup

20-43 : Power supply for each package

Level
IN

Description

Use **Program 20-43 : Power supply for each package** to assigns the Night Mode to each package. This Program uses ecology function (Program 20-43).

Input Data

PKG Number		02 ~ 09		
Operation Mode		01 ~ 08		
Item No.	Item	Input Data	Description	Default
01	Ecology Mode	0 = Cut the power 1 = Power Supply	Assigns the power supply mode to each package base	1

Conditions

None

Feature Cross Reference

None

Program

20

Program 20 : System Option Setup

20-44 : Watch Mode Setup

Level
IN

Program

20

Description

Use **Program 20-44 : Watch Mode Setup** to defines the watch mode.

Input Data

Item No.	Item	Input Data	Description	Default
01	Internal Paging Group for Watch Message	0 ~ 32	Define Internal paging group number for Watching message.	0
02	External Paging Group for Watch Message	0 ~ 8	Define External paging group number for Watching message	0
03	VRS Message for Watch Mode	0 ~ 100	Define VRS number used for Watching message	0
04	Interval Timer for Watch Message	0 ~ 60	Define interval time for sending Watching message.	0

Conditions

None

Feature Cross Reference

None

Program 20 : System Option Setup

20-45 : Remote Watch Setup

Level
IN

Description

Use **Program 20-45 : Remote Watch Setup** to defines the remote watch.

Input Data

Terminal Number		1 ~ 6		
Item No.	Item	Input Data	Description	Default
01	Ring Terminal for Remote Inspection	Extension Number (Up to 8 digits)	Extension number for Remote Inspection	No Setting
02	Ring Time Setting	0000 ~ 2359	Ringing start time for Inspected Extension	0000
03	Ring Timer	0 ~ 60	Ringing continue time for inspected extension	0
04	Auto Dial Number Area Setting	0 ~ 999	Speed dial number when detect no answer at extension and make emergency call	0
05	VRS Message for Answer	0 ~ 100	VRS message number when inspected extension answered	0
06	VRS Message for Auto Dial	0 ~ 100	VRS message number when emergency call destination answered.	0
07	Time of Repeat Auto Dial	0 ~ 255	Repeat number for making emergency call.	0
08	Auto Dial Calling Time	0 ~ 3600	Calling continue time when making emergency call.	0
09	Interval of Auto Dial	0 ~ 3600		0

Conditions

None

Feature Cross Reference

None

Program

20

Program 20 : System Option Setup

20-46 : Security Sensor Setup

Level
IN

Program

20

Description

Use **Program 20-46 : Security Sensor Setup** to defines the security sensor.

Input Data

Security Sensor Number		1 ~ 6		
Item No.	Item	Input Data	Description	Default
01	Sensor Mode	0 = Off 1 = On	Define door port (084M 3, 4) to use as Sensor.	0
02	Internal Paging Group for Warning Message	0 ~ 32	Define Internal paging group number for Warning message	0
03	Ring Timer	0 ~ 8	Define External paging group number for Warning message.	0
04	VRS Message for Warning	0 ~ 100	Define VRS number used for Warning message.	0
05	Auto Dial Number Area Setting	0 ~ 999	Define Speed dial number when sensor detects warning.	0
06	VRS Message for Answer	0 ~ 100	Define VRS message number when emergency call destination answered.	0
07	Auto Dial Wait Timer	0 ~ 64800	Define wait time before making emergency auto dial.	30
08	Time of Repeat Auto Dial	0 ~ 255	Define repeat number for making emergency call.	3
09	Auto Dial Calling Time	0 ~ 3600	Define calling continue time when making emergency call.	30
10	Monitored Terminal	Extension Number (Up to 8 digits)	Define extension number for monitor from outside. IP terminal cannot set as monitored extension.	No Setting
11	Interval of Auto Dial	0 ~ 3600		0

Conditions

None

Feature Cross Reference

None

Program 20 : System Option Setup

20-47 : Time pattern setting for Watch Mode

Level
IN

Description

Use **Program 20-47 : Time pattern setting for Watch Mode** to defines the watch mode time pattern.

Input Data

Time Pattern	01 ~ 08
--------------	---------

Item No.	Item	Input Data	Description	Default
01	Watch Mode Time Pattern	0 = Off 1 = On	Define watch mode on/off against time pattern 1-8	0

Conditions

None

Feature Cross Reference

None

Program

20

Program 20 : System Option Setup

20-48 : Time pattern setting for Security Sensor

Level
IN

Program

20

Description

Use **Program 20-48 : Time pattern setting for Security Sensor** to defines the Security Sensor time pattern.

Input Data

Time Pattern			01 ~ 08	
Item No.	Item	Input Data	Description	Default
01	Security Sensor Time Pattern	0 = Off 1 = On	Define security sensor on/off against time pattern 1-8	0

Conditions

None

Feature Cross Reference

None

Program 20 : System Option Setup

20-49 : Caller ID Shared Group Basic Data Setup

Level
IN

Description

Use **Program 20-49 : Caller ID Shared Group Basic Data Setup** to defines the function mode for each Caller ID shared group.

Input Data

Caller ID shared group Number	01 ~ 08
-------------------------------	---------

Item No.	Item	Input Data	Description	Default	Related Program
01	Group Name	Maximum 12 characters	Caller ID shared group Name	Refer below	15-02-67

Default

Group	Group Name
1	Group1
2	Group2
3	Group3
4	Group4
5	Group5
6	Group6
7	Group7
8	Group8

Conditions

None

Feature Cross Reference

None

Program

20

Program 20 : System Option Setup

20-55 : Delay Timer for Security Sensor

Level
IN

(This Program is available for V1.5 or higher)

Description

Use **Program 20-55 : Delay Timer for Security Sensor** to set time for Security to be operational. Once it reach the time the Security will starts if the Security sets manually.

Input Data

Item No.	Item	Input Data	Default
01	Sensor delay timer	0 ~ 3600 (seconds) 0 = Sensor will start immediately	60

Conditions

None

Feature Cross Reference

None

Program 21 : Outgoing Call Setup

21-01 : System Options for Outgoing Calls

Level
IN

Description

Use **Program 21-01 : System Options for Outgoing Calls** to set the system options for Outgoing Call Service.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	Seizure Trunk Line Mode	0 = Priority Route 1 = Circular Route	Select the trunk based off the Trunk Route Priority (0) or based off the trunk that has not been used in the longest time (1).	0	14-05 14-06
02	Intercom Interdigit Time	0 ~ 64800 seconds	When placing Intercom calls, extension users must dial each digit in this time.	10 seconds	
03	Trunk Interdigit Time (External)	0 ~ 64800 seconds	The system waits for this time to expire before placing the call in a talk state (Call Timer starts after time expires, Voice Over and Barge-In is not allowed until after time expires).	10	14-02-08
04	Dial Tone Detection Time	0 ~ 64800 seconds	If dial tone detection is enabled, the system waits this time for the Telco to return dial tone. When the time expires, the system assumes dial tone is not present. To disable this time (and have the system wait continuously), enter 0.	5 seconds	14-02-05
05	Disconnect Time when Dial Tone not Detected	0 ~ 64800 seconds	If 14-02-11 is enabled, the system skips over a trunk if dial tone is not detected. This option pertains to calls placed using Speed Dial, ARS, Last Number Redial or Save Number dialed. It does not pertain to line key or Direct Trunk Access calls.	0 (V2.1 Changed)	
06	Dial Pause at First Digit	0 ~ 64800 seconds		1	
07	Toll Restriction Override Time	0 ~ 64800 seconds	After dialing the Toll Restriction Override codes, the system removes Toll Restriction from the extension for this time.	10 seconds	20-08-06 21-07
08	Preset Dial Display Hold Time	0 ~ 64800 seconds		10	
09	Ringdown Extension Timer (Hotline Start)	0 ~ 64800 seconds	A Ringdown extension automatically calls its programmed destination after this time.	0 seconds	20-08-09 21-11
10	Dial Digits for Toll Restriction Path	0 ~ 36	If this option is programmed with an entry other than 0, a call does not have a talk path unless the user dials at least the number of digits entered in this option when placing an outgoing call. This means that an entry of 4 or higher in this program causes a problem when dialing 911 (USA only). Since it is only a 3-digit number, the call does not have a talk path, preventing the emergency dispatcher from hearing the caller. This option should be kept at its default setting of 0 to prevent any problems with dialing 911 (USA only).	0	

Program

21

Item No.	Item	Input Data	Description	Default	Related Program
11	Inter-Digit Time for Toll Restriction Path Control	0 ~ 60 seconds		0	
12	Dial E911 Routing Without Trunk Access	0 = Trunk Access Code Required 1 = Trunk Access Code Not Required	If enabled (1), an extension user can dial 911 (USA only) without first dialing a trunk access code or pressing a line key. If disabled (0), an extension user must dial a trunk access code (e.g., 9) or press a line key before dialing 911 (USA only).	0	
13	Alarm Ring Timer (E911)	0, 1 ~ 64800 seconds (0 = Off)	Use this option to set the duration of the E911 Alarm Ring Time. If set for 0, the E911 Alarm does not ring.	0	11-12-56 20-08-16
14	Forced Account Code Inter-digit Timer	0 ~ 64800 seconds	The system waits this time for a user to enter a Forced Account code.	3 seconds	
15	Outgoing Disable on Incoming Line (Toll Restriction)	0 = Disable (Off) 1 = Enable (On)	Enable or disable the Outgoing Disable on Incoming Line feature.	0 (V2.1 Changed)	15-01-05 21-01-16 21-01-17 80-03-01
16	Supervise Dial Detection Timer	0 ~ 64800 seconds	With the Outgoing Disable on Incoming Line feature, if dial tone is not detected after the extension answers an incoming line, the system determines the call is unable to complete and releases the DTMF receiver.	20 seconds	15-01-05 21-01-16 21-01-17 80-03-01
17	Restriction Digit in Outgoing Disable on Incoming Line	Digits 1 ~ 9	With the Outgoing Disable on Incoming Line feature, determine the number of digits to be dialed before the call should be disconnected.	4	15-01-05 21-01-15 21-01-16 80-03-01
18	Reset Dial After Failure of Trunk Access	0 = Disable (Off) 1 = Enable (On)	Enable (1) or Disable (0) the ability to continue to dial codes or extensions after receiving Trunk Busy. This needs to be set to Enabled (1) for the Forced Trunk Disconnect feature to work.	1	
19	Do-Not-Call-Setup	0 = No service 1 = Extended common restriction		0	15-01-07

Conditions

None

Feature Cross Reference

- Central Office Calls, Placing

Program 21 : Outgoing Call Setup

21-02 : Trunk Group Routing for Extensions

Level
IN

Description

Use **Program 21-02 : Trunk Group Routing for Extensions** to assign Program 14-06 routes to extensions.

Input Data

Extension Number		Maximum eight digits		
Item No.	Day/Night Mode	Route Table Number	Default	Related Program
01	1 ~ 8	0 ~ 25 (0 = No setting)	1	14-06 14-01-07

Conditions

None

Feature Cross Reference

None

Program

21

Program 21 : Outgoing Call Setup

21-03 : Trunk Group Routing for Trunks

Level

IN

Program

21

Description

Use **Program 21-03 : Trunk Group Routing for Trunks** to set the Trunk Route Table for Automatic External Call Forward. The Route Table is set in Program 14-06.

Input Data

Trunk Port Number		001 ~ 096		
Item No.	Day/Night Mode	Route Table Number	Default	Related Program
01	1 ~ 8	0 ~ 25 (0 = No setting)	1	14-06 14-07-01

Conditions

None

Feature Cross Reference

- Trunk Group Routing

Program 21 : Outgoing Call Setup

21-04 : Toll Restriction Class for Extensions

Level
IN

Description

Use **Program 21-04 : Toll Restriction Class for Extensions** to assign a Toll Restriction class to an extension. The details of Toll Restriction are defined in Program 21-05 and 21-06.



A telephone and a trunk will have a Restriction Class. The higher class applies for outgoing calls.

Input Data

Extension Number		Maximum eight digits		
Item No.	Day/Night Mode	Restriction Class	Default	Related Program
01	1 ~ 8	1 ~ 15	2	14-01-08 21-05

Conditions

None

Feature Cross Reference

None

Program

21

Program 21 : Outgoing Call Setup

21-05 : Toll Restriction Class

Level
IN

Program

Description

Use **Program 21-05 : Toll Restriction Class** to set the system Toll Restriction classes (1 ~ 15).

Input Data

Toll Restriction Class Number		1 ~ 15			
Item No.	Item	Input Data	Description	Default	Related Program
01	International Call Restriction Table	0 = Unassigned (No) 1 = Assigned (Yes)	This option assigns/unassigns the International Call Restrict Table for the Toll Restriction Class you are programming. Enter International Call Restrict Table data in Program 21-06-01.	Class No1, 6 ~ 15 : 0 Class No2 ~ 5 : 1	21-06-01
02	International Call Permit Code Table	0 = Unassigned (No) 1 = Assigned (Yes)	This option assigns/unassigns the International Call Permit Table for the Toll Restriction Class you are programming. Enter International Call Permit Table data in Program 21-06-02.	Class No1, 3 ~ 15 : 0 Class No2 : 1	21-06-02
04	Maximum Number of Digits Table Assignment	1 ~ 4 = Table 0 = Disable (None)	Select the table (defined in 21-06-03) to be used to determine the maximum number of digits allowed for outgoing calls.	Class No1 ~ 2, 6 ~ 15 : 0 Class No3 : 1 Class No4 : 2 Class No5 : 3	21-06-03
05	Common Permit Code Table	0 = Unassigned (No) 1 = Assigned (Yes)	It chooses whether the table set up by 21-06-04 is referred to, or not referred to.	Class No1, 8 ~ 15 : 0 Class No2 ~ 7 : 1	21-06-04
06	Common Restriction Table	0 = Unassigned (No) 1 = Assigned (Yes)	It chooses whether the table set up by 21-06-05 is referred to, or not referred to.	Class No1, 6 ~ 15 : 0 Class No2 ~ 5 : 1	21-06-05
07	Permit Code Table	1 ~ 4 = Table 0 = Disable (None)	Set the tables 1 ~ 4 when referring to the table set up by 21-06-06.	Class No1 ~ 2, 6 ~ 15 : 0 Class No3 : 1 Class No4 : 2 Class No5 : 3	21-06-06
08	Restriction Table	1 ~ 4 = Table 0 = Disable (None)	Set the tables 1 ~ 4 when referring to the table set up by 21-06-07.	0	21-06-07
09	Restriction for Common Speed Dials	0 = Does Not Restrict 1 = Following Restriction Check	Use this option to enable/disable Toll Restriction for Common Speed Dialing numbers. If enabled, System Speed Dialing numbers have the same restrictions as manually dialed numbers.	0	
10	Restriction for Group Speed Dials	0 = Does Not Restrict 1 = Following Restriction Check	Use this option to enable/disable Toll Restriction for Group Speed Dialing numbers. If enabled, Group Speed Dialing numbers have the same restrictions as manually dialed numbers.	0	
11	Intercom Call Restriction	0 = Disable (No) 1 = Enable (Yes)	Determines if incoming and outgoing intercom calls are allowed.	0	

Item No.	Item	Input Data	Description	Default	Related Program
12	PBX Call Restriction	0 = Disable (No) 1 = Enable (Yes)	Use this option to set how the system Toll Restricts calls over PBX trunks. If you enable PBX Toll Restriction, the system begins Toll Restriction after the PBX access code. The user cannot dial a PBX extension. If you disable PBX Toll Restriction, the system only restricts calls that contain the PBX access code. The system does not restrict calls to PBX extensions. Refer to the PBX compatibility feature. Make sure Program 21-05-04 (Maximum Number of Digits Table Assignment) allows for PBX Toll Call Dialing (normally 12 digits).	Class No1 ~ 6, 8 ~ 15 : 0 Class No7 : 1	
13	Restriction of Tie Line Calls	0 = Disable (No) 1 = Enable (Yes)	It chooses whether the toll restriction of the dial set up by 34-08 is enabled or disabled.	0	34-08
14	Trunk Transfer Restriction on Incomplete Dial	0 = Not allow 1 = Allow	If this program is set to 1, you can transfer the outgoing trunk which you dialed incompletely.	0	
15	Common Hold Restriction on Incomplete Dial	0 = Not allow 1 = Allow	If this program is set to 1, you can hold the outgoing trunk which you dialed in restriction check.	0	

Conditions

None

Feature Cross Reference

None

Program 21 : Outgoing Call Setup

21-06 : Toll Restriction Table Data Setup

Level
IN

Description

Use **Program 21-06 : Toll Restriction Table Data Setup** to set the system Toll Restriction data. Dial 1 ~ 9, 0, *, # can be entered in each table.

Input Data

Item No.	Item	Table	Input Data	Default
01	International Call Restriction Table This option lets you program the Restrict Table for international calls. The system has 10 International Call Restrict Tables. Each entry can have up to four digits.	1 ~ 10	Dial (Up to four digits)	Tables 1 ~ 10 = No setting
02	International Call Permit Code Table This option lets you program the Permit Table for international calls. The system has 20 International Call Permit Tables. Each entry can have up to six digits.	1 ~ 20	Dial (Up to six digits)	Tables 1 ~ 20 = No setting
03	Maximum Number Digits Table Assignment This option selects the maximum number of digits allowed in outgoing calls for each table.	1 ~ 4	4 ~ 30	Tables 1 ~ 4 = 30
04	Common Permit Code Table This option lets you program the Common Permit Code Table. This table contains up to 10 codes you commonly allow users to dial.	1 ~ 10	Dial (Up to four digits)	Tables 1 ~ 10 = No setting
05	Common Restriction Table This option lets you program the Common Restrict Code Table. This table contains up to 10 codes you commonly prevent users from dialing.	1 ~ 10	Dial (Up to 12 digits)	Tables 1 ~ 10 = No setting
06	Permit Code Table This option lets you program the Permit Code Tables. If the system has Toll Restriction enabled, users can dial numbers only if permitted by these tables and the Common Permit Table (21-06-04). There are four Permit Code Tables, with up to 200 entries in each table. The system permits calls exactly as you enter the code.	1 ~ 4 (table) 001 ~ 200 (Entry)	Dial (Up to 12 digits)	Tables 1 ~ 4 = No setting
07	Deny Restriction Table This option lets you program the Restrict Code Tables. If the system has Toll Restriction enabled, users cannot dial numbers listed in these tables. There are four Restrict Code Tables, with up to 60 entries in each table. The system restricts calls exactly as you enter the code.	1 ~ 4 (table) 1 ~ 60 (Entry)	Dial (Up to 12 digits)	Tables 1 ~ 4 = No setting

Item No.	Item	Table	Input Data	Default
08	PBX Access Code Use this option to enter the PBX Access Code. When the system is behind a PBX, this is the code users dial to access a PBX trunk. Toll Restriction begins after the PBX access code. For PBX trunks (Program 14-04) the system only Toll Restricts calls that contain the access code. Always program this option when the system is behind a PBX, even if you don't want to use Toll Restriction. PBX Access Codes can have up to two digits, using 0-9, #, * and LINE KEY 1 (don't care). When using Account Codes, do not use an asterisk in a PBX access code. Otherwise, after the *, the trunk stops sending digits to the central office. Entries 1~4 correspond to the 4 PBX Access Codes. Each code can have up to two digits.	1 ~ 4	Dial (Up to two digits)	Tables 1 ~ 4 = No setting
09	Specific Dial Outgoing Code	1 ~ 20	Dial (Up to eight digits)	Tables 1 ~ 20 = No setting
10	Outgoing Call Code Setup	1 ~ 20	Dial (Up to four digits)	Tables 1 ~ 20 = No setting

Conditions

None

Feature Cross Reference

None

Program 21 : Outgoing Call Setup

21-07 : Toll Restriction Override Password Setup

Level
SA

Program

21

Description

Use **Program 21-07 : Toll Restriction Override Password Setup** to assign Toll Restriction Override codes to extension ports. Each code must have four digits, using any combination of 0 ~ 9, # and *. Each extension can have a separate code, or many extensions can share the same override code.

Input Data

Extension Number		Maximum eight digits		
Item No.	Item	Input Data	Default	Related Program
01	Password	Four Digits (Fixed)	No setting	21-01-07 20-08-06

Conditions

None

Feature Cross Reference

None

Program 21 : Outgoing Call Setup

21-08 : Repeat Dial Setup

Level
IN

Description

Use **Program 21-08 : Repeat Dial Setup** to define the automatic Repeat Dial data.

Input Data

Item No.	Item	Input Data	Description	Default
01	Repeat Redial Count	0 ~ 255	Sets how many times a Repeat Redial automatically repeats if the call does not go through.	3
02	Repeat Redial Interval Time	0 ~ 64800 seconds	Set the time between Repeat Redial attempts.	60 seconds
03	Repeat Dial Calling Timer	0 ~ 64800 seconds	After dialing the trunk call, Repeat Redial maintains the call after this time. After this time, the system terminates the call, waits the Repeat Redial Time (Timer 02) and tries again.	30 seconds
04	Time for Send Busy Tone for ISDN Trunk	0 ~ 64800 seconds	Sets the time (sec) to send out Busy Tone with an ISDN line, when called party is busy.	0 second

Conditions

None

Feature Cross Reference

None

Program

21

Program 21 : Outgoing Call Setup

21-09 : Dial Block Setup

Level

IN

Program

21

Description

Use **Program 21-09 : Dial Block Setup** to define the Dial Blocking Toll Restriction Class and Dial Block Password to be used by the Supervisor extension.

Input Data

Item No.	Item	Input Data	Description	Default
01	Toll Restriction Class With Dial Block	1 ~ 15	Assign a Toll Restriction Class of Service when the Dial Block feature is used.	15
02	Supervisor Password	0 ~ 9, *, # (4-digit fixed)	Assign a 4-digit password to be used by the supervisor to enable or disable Dial Block for other extensions.	No Setting

Conditions

- This function works by password and Class of Service control (the supervisor is not an assigned extension). If Dial Block is available for all Classes of Service, everyone may become a supervisor if they know the Dial Block password.

Feature Cross Reference

None

Program 21 : Outgoing Call Setup

21-10 : Dial Block Restriction Class Per Extension

Level
IN

Description

Use **Program 21-10 : Dial Block Restriction Class Per Extension** to define the Toll Restriction Class to each extension when the extension is set for Dial Block Restriction. If this data is 0, Toll Restriction Class follows Program 21-09-01.

Input Data

Extension Number		Maximum eight digits	
Item No.	Item	Input Data	Default
01	Toll Restriction Class	0, 1 ~ 15 (0 = No setting)	0 (No setting)

Conditions

None

Feature Cross Reference

None

Program

21

Program 21 : Outgoing Call Setup

21-11 : Extension Ringdown (Hotline) Assignment

Level
IN

Description

Use **Program 21-11 : Extension Ringdown (Hotline) Assignment** to define the Hotline destination number for each extension number.

Input Data

Extension Number		Maximum eight digits		
Item No.	Item	Input Data	Default	Related Program
01	Hotline Destination Number	1 ~ 0, *, #, Pause, Hook Flash, @ (Code to wait for answer supervision) (maximum 36 digits)	No Setting	20-08-09 21-01-09

Conditions

- The @ code is used to make an outbound call automatically to a DISA Trunk or to VM Auto Attendant. This code can only be used on ISDN outbound calls. Internal calls and analog outbound calls are not supported.

Feature Cross Reference

- Ringdown Extension (Hotline), Internal/External

Program 21 : Outgoing Call Setup

21-12 : ISDN Calling Party Number Setup for Trunks

Level
IN

Description

Use **Program 21-12 : ISDN Calling Party Number Setup for Trunks** to assign Calling Party Numbers for each trunk (maximum 16 digits per entry). When a call is made by an extension which does not have an Extension Calling Number assigned (Program 21-13), the system sends the calling number for the ISDN trunk defined in 21-12.



If the Calling Party Number is assigned in both Programs 21-12 and 21-13, the system sends the data in Program 21-13.

Input Data

Trunk Port Number	001 ~ 096
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Item No.	Item	Input Data	Default
01	Calling Party Number Data	1 ~ 0, *, # (maximum 16 digits)	No setting

Conditions

None

Feature Cross Reference

- ISDN Compatibility

Program

21

Program 21 : Outgoing Call Setup

21-13 : ISDN Calling Party Number Setup for Extensions

Level

IN

Program

21

Description

Use **Program 21-13 : ISDN Calling Party Number Setup for Extensions** to assign each extension a Calling Party Number (maximum 16 digits per entry). The calling number is the subscriber number of the dial-in number. When a call is made by an extension which does not have an Extension Calling Number assigned (Program 21-13), the system sends the calling number for the ISDN trunk defined in Program 21-12.



If a Calling Party Number is assigned in both Programs 21-12 and 21-13, the system sends the data in Program 21-13.

Input Data

Extension Number		Maximum eight digits	
Item No.	Item	Input Data	Default
01	Calling Party Number Data	1 ~ 0, *, # (maximum 16 digits)	No setting

Conditions

None

Feature Cross Reference

- ISDN Compatibility

Program 21 : Outgoing Call Setup

21-14 : Walking Toll Restriction Password Setup

Level
SA

Description

Use **Program 21-14 : Walking Toll Restriction Password Setup** to assign the password and Toll Restriction Class for Walking Toll Restriction. Each code has six digits, using any combination of 0 ~ 9, # and *.

Input Data

ID Table Number		1 ~ 100	
Item No.	Item	Input Data	Default
01	User ID	Dial (Six digits)	No Setting
02	Walking Toll Restriction Class Number	1 ~ 15	1

Conditions

None

Feature Cross Reference

- Code Restriction/Toll Restriction

Program

21

Program 21 : Outgoing Call Setup

21-15 : Individual Trunk Group Routing for Extensions

Level

IN

Description

Use **Program 21-15 : Individual Trunk Group Routing for Extensions** to designate the alternate trunk access route accessed when a user dials the Alternate Trunk Route Access Code. Refer to Program 11-09 : Trunk Access Code when setting up alternate trunk codes. Refer to 14-06 : Trunk Group Routing to set up the trunk routes. When entering data for this option, enter the route number or 0 to prevent routing.

Input Data

Extension Number		Maximum eight digits	
Item No.	Day/Night Mode	Route Table Number	Default
01	1 ~ 8	0 ~ 25 (0 = No setting)	0

Conditions

None

Feature Cross Reference

- Central Office Calls, Placing

Program 21 : Outgoing Call Setup

21-17 : IP Trunk (SIP) Calling Party Number Setup for Trunk

Level

IN

Description

Use **Program 21-17 : IP Trunk (SIP) Calling Party Number Setup for Trunk** set the SIP calling party number for individual trunks.

Input Data

Trunk Port Number	001 ~ 096
-------------------	-----------

Item No.	Item	Input Data	Default	Related Program
01	Calling Party Number (V2.0 Changed)	Up to 16 digits (1 ~ 0, *, #)	No Setting	15-01-04 20-08-13

Conditions

None

Feature Cross Reference

None

Program

21

Program 21 : Outgoing Call Setup

21-18 : IP Trunk (H.323) Calling Party Number Setup for Extension

Level
IN

Description

Use **Program 21-18 : IP Trunk (H.323) Calling Party Number Setup for Extension** to assign the Calling Party Number for each extension. The assigned number is sent to the exchange when the caller places an outgoing call.



When the Calling Party Number is assigned by Programs 21-17, 21-18 and 21-19, the system uses the data in Programs 21-18 and 21-19.

Input Data

Extension Number		Up to eight digits	
Item No.	Item	Input Data	Default
01	Calling Party Number	Up to 16 digits (1 ~ 0, *, #)	No Setting

Conditions

None

Feature Cross Reference

None

Program 21 : Outgoing Call Setup

21-19 : IP Trunk (SIP) Calling Party Number Setup for Extension

Level
IN

Program

21

Description

Use **Program 21-19 : IP Trunk (SIP) Calling Party Number Setup for Extension** to set the SIP calling party number for an individual extension.

Input Data

Extension Number		Up to eight digits		
Item No.	Item	Input Data	Default	Related Program
01	Calling Party Number	Up to 16 Digits (1 ~ 0, *, #)	No Setting	15-01-04 20-08-13

Conditions

None

Feature Cross Reference

None

Program 21 : Outgoing Call Setup

21-20 : SIP Trunk Call Discernment Setup for Extension

Level

SB

Program

21

Description

Use **Program 21-20 : SIP Trunk Call Discernment Setup for Extension** to set the SIP Trunk Call Discernment.

Input Data

Extension Number	Up to eight digits
------------------	--------------------

Item No.	Item	Input Data	Default
01	Discernment Tone	0 = Off 1 = On	1

Conditions

None

Feature Cross Reference

None

Program 21 : Outgoing Call Setup

21-21 : Toll Restriction for Trunks (Seized Trunk Basis Setting)

Level
IN

Program

21

Description

Use **Program 21-21 : Toll Restriction for Trunks (Seized Trunk Basis Setting)** to define the toll restriction class to each trunk. The details of toll restriction are defined by Programs 21-05 and 21-06.

This program is compared to Station Restriction Class. The higher class is applied.

Input Data

Trunk Port Number	001 ~ 096
-------------------	-----------

Day/Night Mode	1 ~ 9 (9 = Power Failure mode)
----------------	--------------------------------

Item No.	Item	Input Data	Description	Default	Related Program
01	Restriction Class	1 ~ 15	Enter the Toll Restriction Class for the selected trunk.	1	14-01-08 21-05

Conditions

None

Feature Cross Reference

None

Program 21 : Outgoing Call Setup

21-22 : CO Message Waiting Indication - Call Back Settings

Level

IN

Program

21

Description

Use **Program 21-22 : CO Message Waiting Indication - Call Back Settings** to define the settings of CO Message Waiting Indication.

Input Data

Trunk Port Number		001 ~ 096		
Item No.	Item	Input Data	Description	Default
01	CO MWI Call Back Enabling	0 = No VMWI Service 1 = Enable VMWI Service	Enable or Disable CO MWI Call Back.	0
02	CO MWI Call Back Number Area Setting	0 ~ 999	Define the Speed Dial Bin number for MWI Call Back.	999

Conditions

None

Feature Cross Reference

None

Program 21 : Outgoing Call Setup

21-24 : Forced Access Dial Data

Level
IN

Description

Use **Program 21-24 : Forced Access Dial Data** to set for Emergency number data. First digit of dialing data should be same as trunk access code.

Input Data

Item No.	Item	Input Data	Description	Default
01	Dialing Number	1 ~ 0, *, # (maximum 16 digits)	Define the Emergency Number Data.	No Setting (V2.1 Changed)

Conditions

None

Feature Cross Reference

None

Program

21

Program 22 : Incoming Call Setup

22-01 : System Options for Incoming Calls

Level
IN

Program

22

Description

Use Program 22-01 : System Options for Incoming Calls to define the system options for incoming calls.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	Incoming Call Priority	0 = Intercom Call Priority 1 = Trunk Call Priority	Use this option to determine if Intercom calls or trunk calls have answer priority when both are ringing simultaneously.	1	15-02-22
02	Incoming Call Ring No Answer Alarm	0 = Disable (Off) 1 = Enable (On)	If enabled, an incoming call that rings longer than the Ring No Answer Alarm interval (22-01-03), changes to a unique ring cadence to indicate that the call has been ringing too long. If disabled, this does not occur.	0	22-01-03 22-01-04
03	Ring No Answer Alarm Time	0 ~ 64800 seconds	If a trunk rings a multiline telephone longer than this interval, the system changes the ring cadence. This indicates to the user that the call has been ringing too long.	60 seconds	22-01-02
04	DIL No Answer Recall Time	0 ~ 64800 seconds	A DIL that rings its programmed destination longer than this interval diverts to the DIL No Answer Ring Group (set in Program 22-08).	0 second	
06	DID Ring-No-Answer Time	0 ~ 64800 seconds	In systems with DID Ring-No-Answer Intercept, this sets the Ring-No-Answer time. This time is how long a DID call rings the destination extension before rerouting to the intercept ring group.	20 seconds	22-12
07	DID Incoming Ring Group No Answer Time	0 ~ 64800 seconds		20 seconds	
08	DID Pilot Call No Answer Time	0 ~ 64800 seconds		60 seconds	
09	DID to Trunk to Trunk no answer timer	0 ~ 64800 seconds		20 seconds	
10	VRS Waiting Message Operation	0 = Enable Always 1 = Change by Manual Operation	Set up the operation mode for Auto Attendant and Queuing Message.	0	22-14 22-15 22-08 22-04 22-01-04 20-15-11 15-07
11	VRS Waiting Message Interval Time	0 ~ 64800 seconds	Setup the sending duration time of the Auto - Attendant & Queuing. The message is repeatedly sent out during the specified time.	20 seconds	22-14-06 22-15-06 41-11-06
12	Mobile Extension answer time	0~ 64800 seconds		3 seconds	15-22-04

Conditions

None

Feature Cross Reference

- Central Office Calls, Answering

Program 22 : Incoming Call Setup

22-02 : Incoming Call Trunk Setup

Level
IN

Program

22

Description

Use **Program 22-02 : Incoming Call Trunk Setup** to assign the incoming trunk type for each trunk. There is one item for each Night Service Mode.

Input Data

Trunk Port Number		001 ~ 096			
Item No.	Day/Night Mode	Incoming Type	Default	Description	Related Program
01	1 ~ 8	0 = Normal 1 = VRS (second dial tone if no VRS installed) 2 = DISA 3 = DID 4 = DIL 5 = E&M Tie line 6 = Delayed VRS 7 = ANI/DNIS 8 = DID (DDI) Mode Switching	0	Use this option to set the feature type for the trunk you are programming.	14-04

Conditions

- When connecting to T1 trunks, after changing Program 22-02-01 to match the Telco connected T1 service type, the T1 cable or the T1 unit must be unplugged and then reconnected for the T1 unit to sync.
- When the trunk type is set to 3 (DID), the DID Transfer to Destination in 22-11-04 for each DID feature is not supported. This feature is supported only for DID trunks when assigned as VRS.
- When the trunk type is set to 3 (DID), the DID Intercept Destination feature for each DID is not supported. This feature is supported only for DID trunks assigned as VRS.

Feature Cross Reference

- Central Office Calls, Answering

Program 22 : Incoming Call Setup

22-03 : Trunk Ring Tone Range

Level
IN

Description

Use **Program 22-03 : Trunk Ring Tone Range** to select the ring tone range for the trunk. The trunk uses a ring tone in the range selected when it rings an extension. Eight ring tones are available. Customize the Trunk Ring Tones in Program 82-01.

Input Data

Trunk Port Number	001 ~ 096
-------------------	-----------

Item No.	Item	Input Data	Description	Default	Related Program
01	Ring Tone Pattern	0= Ring Tone Pattern 1 1= Ring Tone Pattern 2 2= Ring Tone Pattern 3 3= Ring Tone Pattern 4 4= Melody 1 5= Melody 2 6= Melody 3 7= Melody 4 8= Melody 5	Use this program to select the ring tone range for the trunk. The trunk uses a ring tone in the range selected when it rings an extension. Eight ring tones are available.	0	15-02

Table 2-5 Program 22-03 - Incoming Signal Frequency Patterns

Incoming Signal Frequency Pattern	Type	Frequency 1	Frequency 2	Modulation
Pattern 1	High Middle Low	1100Hz 660Hz 520Hz	1400Hz 760Hz 660Hz	16Hz 16Hz 16Hz
Pattern 2	High Middle Low	1100Hz 660Hz 520Hz	1400Hz 760Hz 660Hz	8Hz 8Hz 8Hz
Pattern 3	High Middle Low	2000Hz 1400Hz 1100Hz	760Hz 660Hz 540Hz	16Hz 16Hz 16Hz
Pattern 4	High Middle Low	2000Hz 1400Hz 1100Hz	760Hz 660Hz 540Hz	8Hz 8Hz 8Hz

Conditions

None

Feature Cross Reference

- Selectable Ring Tones

Program

22

Program 22 : Incoming Call Setup

22-04 : Incoming Extension Ring Group Assignment

Level

SA

Program

22

Description

Use **Program 22-04 : Incoming Extension Ring Group Assignment** to assign extensions to Ring Groups. Calls ring extensions according to Ring Group programming. Use Program 22-05 to assign trunks to Ring Groups and use Program 22-06 to set the ringing for the phones. An Incoming Ring Group (IRG) can have up to 32 extension numbers assigned.



There are 25 available Ring Groups.

Input Data

Incoming Ring Group Number	01 ~ 25
-----------------------------------	----------------

Item No.	Item	Input Data	Description	Default	Related Program
01	Extension Number	Maximum eight Digits	Use this program to assign extensions (up to 32) to Ring Groups. Calls ring extensions according to Ring Group programming.	Refer below	22-02 22-05 22-06

Default

- Group01 has 101, 102, 103, 104, 105, 106, 107, and 108 (First 8 ports ringing)

Conditions

None

Feature Cross Reference

- Ring Groups

Program 22 : Incoming Call Setup

22-05 : Incoming Trunk Ring Group Assignment

Level
IN

Description

Use **Program 22-05 : Incoming Trunk Ring Group Assignment** to assign trunks to incoming Ring Groups. There are 25 available Ring Groups.

Input Data

Trunk Port Number		001 ~ 096				
Item No.	Day/Night Mode	Incoming Group Number	Default	Description	Related Program	Note
01	1 ~ 8	0 = No setting 01 ~ 25 = Incoming Ring group 102 = VM	1	Use this program to assign Normal Ring Trunks (22-02) to Incoming Ring Groups (22-04).	22-04 22-06	

Conditions

None

Feature Cross Reference

- Ring Groups

Program

22

Program 22 : Incoming Call Setup

22-06 : Normal Incoming Ring Mode

Level
IN

Program

22

Description

Use **Program 22-06 : Normal Incoming Ring Mode** to define whether or not an extension should ring for the Normal Incoming Ring Mode.

Input Data

Extension Number		Maximum eight digits		
Item No.	Day/Night Mode	Incoming Group Number	Default	Related Program
01	1 ~ 8	0 = No Ring 1 = Ring	1	22-04 22-05

Conditions

None

Feature Cross Reference

- Central Office Calls, Answering

Program 22 : Incoming Call Setup

22-07 : DIL Assignment

Level
IN

Description

Use **Program 22-07 : DIL Assignment** to assign the destination extension or Department Calling Group for each DIL Incoming trunk. A DIL rings an extension directly, without any other Access Map or Ring Group programming. If an extension has a line key, the DIL rings the line key. Use Program 22-02 to designate a trunk as a DIL. You can make eight DIL assignments, one for each Night Service mode.

Input Data

Trunk Port Number		001 ~ 096	
Item No.	Day/Night Mode	Number of Transferring Destination	Default
01	1 ~ 8	Assign extension or department group number for DIL trunk Extension Number (maximum eight digits)	No setting

Conditions

- Program 22-02 must be set to four for the trunk.

Feature Cross Reference

- Direct Inward Line (DIL)

Program

22

Program 22 : Incoming Call Setup

22-08 : DIL/IRG No Answer Destination

Level
IN

Program

22

Description

For DIL Delayed Ringing, use **Program 22-08 : DIL/IRG No Answer Destination** to assign the DIL No Answer Ring Group. An unanswered DIL rings this group after the DIL No Answer Time expires (Program 22-01-04). DIL Delayed Ringing can also reroute outside calls ringing a Ring Group. Make eight assignments, one for each Night Service mode.

Input Data

Trunk Port Number		001 ~ 096		
Item No.	Day/Night Mode	Incoming Group Number	Default	Note
01	1 ~ 8	0 = No setting 01 ~ 25 = Incoming Ring group 102 = VM	1	

Conditions

None

Feature Cross Reference

- Direct Inward Line (DIL)
- Ring Group

Program 22 : Incoming Call Setup

22-09 : DID Basic Data Setup

Level
IN

Description

Use **Program 22-09 : DID Basic Data Setup** to define the basic setting of Dial-In incoming calls for each trunk group.

Input Data

Trunk Group Number		01 ~ 25		
Item No.	Item	Input Data	Description	Default
01	Expected Number of Digits	1 ~ 8	Enter the number of digits the table expects to receive from the Telco. Use this program to make the system compatible with 3- and 4-digit DID service. If ISDN trunks, we analyze the last digits that are set here. If it is T-1 or analog DID, it analyzes the first digits that are assigned here.	2
02	Received Vacant Number Operation	0 = Disconnect (Cut) 1 = Transfer (Refer to 22-12 : DID Intercept Ring Group)	Use this option to enable or disable Vacant Number Intercept.	0
03	Sub-Addressing Mode	0 = Extension # Specify (Intercom) 1 = DID Conversion Table		0
04	DID Receiving Mode for ISDN	0 = Enbloc Receiving 1 = Overlap Receiving		0
05	Local Code Digits	0 ~ 15 (0 = No Local Code)	(Only Overlap Receiving Mode)	0
06	Local Code	Dial (maximum 16 digits)	(Only Overlap Receiving Mode)	No Setting
07	Pilot Code	Dial (1 digit : 0 ~ 9)	(Only Overlap Receiving Mode)	No Setting
08	T302 Time-out Operation	0 = Disconnect (Cut) 1 = Transfer (Refer to 22-12 : DID Intercept Ring Group) 2 = Search	(Only Overlap Receiving Mode)	0

Conditions

None

Feature Cross Reference

- Direct Inward Dialing (DID)

Program

22

Program 22 : Incoming Call Setup

22-10 : DID Translation Table Setup

Level

IN

Program

22

Description

Use **Program 22-10 : DID Translation Table Setup** to specify the size of the DID Translation Tables. There are 800 (V1.5 or higher) Translation Table entries that you can allocate among 20 Translation Tables.

Input Data

Conversion Table Area Number	01 ~ 20
------------------------------	---------

Item No.	Item	Input Data
01	1st Area Setup (Start Address)	0 ~ 800 (0 = No setting)
	1st Area Setup (End Address)	
	2nd Area Setup (Start Address)	
	2nd Area Setup (End Address)	

Default Table

Conversion Table Area	1st		2nd	
	Start Table	End Table	Start Table	End Table
1	1	200	0	0
2	201	400	0	0
3	401	600	0	0
4	601	800	0	0
5	0	0	0	0
:	:	:	:	:
20	0	0	0	0

Conditions

None

Feature Cross Reference

- Direct Inward Dialing (DID)

Program 22 : Incoming Call Setup

22-11 : DID Translation Number Conversion

Level
SA

Description

Use **Program 22-11 : DID Translation Number Conversion** to specify for each Translation Table entry (800).

- The digits received by the system (eight maximum)
- The extension the system dials after translation (36 digits maximum)
- The name that should show on the dialed extension display when it rings (12 characters maximum)
- The Transfer Target - 1 and 2



If the Transfer Targets are busy or receive no answer, those calls are transferred to the final transfer destination (Program 22-10).

- Operation Mode



Use the following chart when entering and editing text for names. Press the key once for the first character, twice for the second character, etc. For example, to enter a C, press 2 three times.

Key for Entering Names	
When entering names in the procedures below, refer to this chart. Names can have up to 12 digits.	
Use this keypad digit ...	When you want to ...
1	Enter characters: 1 @ [¥] ^ _ { } → < A A A A A Æ Ç È É Ì Ó 0
2	Enter characters: A-C, a-c, 2.
3	Enter characters: D-F, d-f, 3.
4	Enter characters: G-I, g-i, 4.
5	Enter characters: J-L, j-l, 5.
6	Enter characters: M-O, m-o, 6.
7	Enter characters: P-S, p-s, 7.
8	Enter characters: T-V, t-v, 8.
9	Enter characters: W-Z, w-z, 9.
0	Enter characters: 0 ! " # \$ % & ' () ð ò ó ü ä å æ ö ü α ε θ B
*	Enter characters: * + , - . / : ; < = > ? π Σ σ Ω ∞ € £
#	# = Accepts an entry (only required if two letters on the same key are needed - ex : TOM). Pressing # again = Space. (In system programming mode, use the right arrow soft key instead to accept and/or add a space.)
Clear/Back	Clear the character entry one character at a time.
Flash	Clear all the entries from the point of the flashing cursor and to the right.

Input Data

Conversion Table Number	001 ~ 800
-------------------------	-----------

Item No.	Input Data	Description	Default
01	Received Number This is the received DID digits.	Maximum eight digits (0 ~ 9, *, #, @)	See Default Value
02	Target Number Enter the destination number to which the DID number is sent.	Maximum 36 digits (0 ~ 9, *, #, @)	See Default Value
03	DID Name This is the name that is assigned to the DID digits when it rings the extension.	Maximum 12 characters	No setting
04	Transfer Operation Mode	0 = No Transfer 1 = Busy 2 = No Answer 3 = Busy/No Answer	0
05	Transfer Destination Number 1	0 = No setting	0

Item No.	Input Data	Description	Default
06	Transfer Destination Number 2 400 - Allow the outside party to dial a different extension number in the translation table (for example, ring no answer to a dialed number, the caller then hears a dial tone, allowing them to enter another Valid Extension Number). 401 - Provide the caller with DISA dialing options (requires using the DISA password).  <i>This applies to 22-11-05 and 22-11-06.</i>	01 ~ 25 = Incoming Rin Group 102 = VM 201 ~ 232 = Department Group 400 = VRS 401 = DISA 501 ~ 599 = DISA (VRS Message No.) 1000 ~ 1999 = Common ABB Dial (000 ~ 999)	0
07	Call Waiting Program 20-09-07 overrides this setting.	0 = Disable (No) 1 = Enable (Yes)	0
08	Maximum Number of DID Calls	0 ~ 096 (0 = No limit)	0
09	Music on Hold Source	0 = IC/MOH Port 1 = BGM Port	0
11	Incoming Ring Group Transfer Enable (1) or disable (0) each conversation tables ability to follow the Ring Group programming defined in Program 22-12-01 : DID Intercept Ring Group. If Program 22-11-05 : DID Translation Number Conversion, Transfer Destination Number 1 and Program 22-11-06 : DID Translation Number Conversion, Transfer Destination Number 2 are set, the priority of transferring is in this order: Program 22-11-05 then Program 22-11-06 then if Program 22-11-11 is enabled, Program 22-12-01.  <i>If the terminal is in Power Cutting mode from the ecology feature this command will not be applied.</i>	0 = Disable (Caller will hear Ringback) 1 = Enabled (Go to normal ring)	0

Default

The default value of Programs 22-11-01 and 22-11-02 is shown as below.

Conversion Table	Received number	Target number
1	1	101
2	2	102
:	:	:
99	99	199
100	0	100
101	No Setting	No Setting
:	:	:
800	No Setting	No Setting

Conditions

When the trunk type is set to 3 (DID) in 22-02-01, the DID Transfer Destination for each DID feature is not supported. This feature is supported only for DID trunks when assigned as VRS.

Feature Cross Reference

- Direct Inward Dialing (DID)

Program 22 : Incoming Call Setup

22-12 : DID Intercept Ring Group

Level
IN

Description

For each DID Translation Table, use **Program 22-12 : DID Intercept Ring Group** to define the first destination group for DID calls.

Depending on the entry in Programs 22-09-02 and 22-11-04, the incoming calls route to the first destination group by the following:

- Vacant number intercept (vacant number means that no phone is connected, no station unit is installed, or the extension number is not defined in Program 11-02)
- Busy intercept
- Ring-no-answer intercept

If the destination is 0, the calls are forwarded to the trunk ring group defined in Program 22-11 based on the table assigned to the DID trunk.



If Programs 22-11-05 and 22-11-06 are set, the priority of transferring is in this order: Program 22-11-05 + Program 22-11-06 + Program 22-12.

For busy and no-answer calls, if the first and third destinations are programmed, but the second destination is not, the incoming call goes to the third destination after the first destination. If the first and second destinations are not defined, but the third destination is, the call goes directly to the third destination.

Input Data

Conversion Table Area Number		01 ~ 20		
Item No.	Day/Night Mode	Incoming Group Number	Default	Note
01	1 ~ 8	0 = No setting 01 ~ 25 = Incoming Ring group 102 = VM	1	

Conditions

None

Feature Cross Reference

- Direct Inward Dialing (DID)

Program

22

Program 22 : Incoming Call Setup

22-13 : DID Trunk Group to Translation Table Assignment

Level

IN

Program

22

Description

Use **Program 22-13 : DID Trunk Group to Translation Table Assignment** to assign the DID Trunk Groups to DID Translation Tables. DID trunks should be in their own group. If you have more than one type of DID trunk, put each type in a separate Trunk Group. For each Trunk Group, you make a Translation Table entry for each Night Service mode.

Input Data

Trunk Group Number		1 ~ 25	
Item No.	Day/Night Mode	Conversion Table Area Number	Default
01	1 ~ 8	0 ~ 20 (0 = No setting)	1

Conditions

None

Feature Cross Reference

- Direct Inward Dialing (DID)

Program 22 : Incoming Call Setup

22-14 : VRS Delayed Message for IRG

Level
IN

Description

Use **Program 22-14 : VRS Delayed Message for IRG** (Incoming Group Ring) to define for each incoming ring group the timers, VRS message number and type of tone for VRS Waiting Message.

Input Data

Incoming Ring Group Number	1 ~ 25
----------------------------	--------

Item No.	Item	Input Data	Description	Default
01	1 st Delayed Message Start Time	0 ~ 64800 seconds	Time before the VRS Delay Message is played for IRG.	0
02	1 st Delayed Message Number	0 ~ 101 0 = No Message 101 = Fixed Message	VRS message that is used for the 1st Delayed Message.	0
03	1 st Delayed Message Sending Count	0 ~ 255 (time)	This is the number of times the 1st Delay Message is played. If set to 0, the 1st Delay Message is not played.	0
04	2 nd Delayed Message Number	0 ~ 101 0 = No Message 101 = Fixed Message	VRS message that is used for the 2nd Delayed Message.	0
05	2 nd Delayed Message Sending Count	0 ~ 255 (time)	This is the number of times the 2nd Delay Message is played. If set to 0, the 2nd Delay Message is not played.	0
06	Tone Kind at Message Interval	0 = Ring Back Tone 1 = MOH Tone 2 = BGM Source	What is heard between the Delay Message.	0
07	Disconnect Time After the End of VRS Delayed Message	0 ~ 64800 seconds 0 = No Disconnect	Time, after all 2nd Delay Messages are played, before the caller is disconnected.	60

Conditions

None

Feature Cross Reference

None

Program

22

Program 22 : Incoming Call Setup

22-15 : VRS Delayed Message for Department Group

Level

IN

Program

22

Description

Use **Program 22-15 : VRS Delayed Message for Department Group** to define for each Department (Extension) Group the timers, VRS message number and tone kind for VRS Delayed Message. There are 32 available Department Groups.

Input Data

Extension Group Number		01 ~ 32		
Item No.	Item	Input Data	Description	Default
01	1st Delayed Message Start Time	0 ~ 64800 seconds	Time before the VRS Delay Message is played for Department Group.	0
02	1st Delayed Message Number	0 ~ 101 0 = No Message 101 = Fixed Message	VRS message that is used for the 1st Delayed Message.	101
03	1st Delayed Message Sending Count	0~255 (time)	This is the number of times the 1st Delay Message is played. If set to 0, the 1st Delay Message is not played.	0
04	2nd Delayed Message Number	0 ~ 101 0 = No Message 101 = Fixed Message	VRS message that is used for the 2nd Delayed Message.	101
05	2nd Delayed Message Sending Count	0 ~ 255 (time)	This is the number of times the 2nd Delay Message is played. If set to 0, the 2nd Delay Message is not played.	0
06	Tone Kind at Message Interval	0 = Ring Back Tone 1 = MOH Tone 2 = BGM Source	What is heard between the Delay Message.	0
07	Disconnect Time After the End of VRS Delayed Message	0 ~ 64800 seconds 0 = No Disconnect	Time, after all 2nd Delay Messages are played, before the caller is disconnected.	60

Conditions

None

Feature Cross Reference

- Department Group

Program 22 : Incoming Call Setup

22-16 : Private Call Refuse Target Area Setup

Level
IN

Description

Use **Program 22-16 : Private Call Refuse Target Area Setup** to define Speed Dial group number for Private Call Refuse.

Input Data

Item No.	Item	Input Data	Default
01	Speed Dial Group Number	0 ~ 32	0

Conditions

None

Feature Cross Reference

- Department Group

Program

22

Program 22 : Incoming Call Setup

22-17 : Dial-In Conversion Table Area Setup for Time Pattern

Level
SA

Program

22

Description

Use **Program 22-17: Dial-In Conversion Table Area Setup for Time Pattern** to define Time Zone and Dial-In Conversion Table (Program 22-11) for Time Pattern.

Input Data

Conversion Table Number	001 ~ 500 (V2.0 Changed)
Time Pattern Number	1 ~ 8

Item No.	Item	Input Data	Description	Default
01	Received Dial	Up to eight digits		No Setting
02	Start of Time	0000 ~ 2359 (Time)		0000
03	End of Time	0000 ~ 2359 (Time)		0000
04	Dial-In Conversion Table Number	0 ~ 800		0
05	Day of week (V2.0 Added)	1: Sun 2: Mon 3: Tue 4: Wed 5: Thu 6: Fri 8: Sun 9: Holiday 0 = Off 1 = On	It checks it on a day of the week that uses the translation table number. Order to turn it ON set 1 for each day.	1

Conditions

None

Feature Cross Reference

None

Program 22 : Incoming Call Setup

22-18 : Private Call Assignment Setup

Level
IN

Description

Use **Program 22-18: Private Call Assignment Setup** to define assignment and incoming ring pattern for Private Calls.

Input Data

Item No.	Item	Input Data	Default	Related Program
01	Transfer Mode	0 = Not defined 1 = Internal dial 2 = Incoming Ring Group	0	14-01-27 15-02-02 40-10-06
02	Destination Number	1 = Internal Dial (up to 36 digits) 0 ~ 9, *, #, P, R, @ 2 = Incoming Ring Group 0 ~ 25	No setting	
03	Incoming Ring Pattern	Incoming Ring Pattern (0 ~ 9) 0 = Normal pattern 1 ~ 4 = Tone pattern (1 ~ 4) 5 ~ 9 = Scale pattern (1 ~ 5)	0	

Conditions

None

Feature Cross Reference

None

Program

22

Program 22 : Incoming Call Setup

22-19 : DID MFC Dialing Options

Level
IN

Program

22

Description

Use **Program 22-19 : DID MFC Dialing Options** to define the MFC Dialing for each DID table entry. This option is used for Latin America only.

Input Data

Conversion Table Number		1 ~ 800	
Item No.	Item	Input Data	Default
01	DID MFC Dialing Category	0 = Normal 1 = Without Charge 2 = Called Party Release	0

Conditions

None

Feature Cross Reference

None

Program 22 : Incoming Call Setup

22-20 : Flexible Ringing by Caller ID Setup

Level
IN

Description

Use **Program 22-20: Flexible Ringing by Caller ID Setup** to set flexible ringing by Caller ID per timer pattern mode.

Input Data

Trunk Port Number		001 ~ 096		
Day/Night Mode		01 ~ 08		
Item No.	Item	Input Data	Default	Related Program
01	Flexible Ringing	0 = Disable 1 = Enable	1	13-04 14-01-30

Conditions

None

Feature Cross Reference

None

Program

22

Program 23 : Answer Features Setup

23-02 : Call Pickup Groups

Level

IN

Program

23

Description

Use **Program 23-02 : Call Pickup Groups** to assign extensions to Call Pickup Groups. This program also lets you assign an extension Call Pickup Group priority. If two extensions in a group are ringing at the same time, Group Call Pickup intercepts the highest priority extension first.



There are 32 available Call Pickup Groups.

Input Data

Extension Number	Maximum eight digits
------------------	----------------------

Item No.	Group Number	Priority	Default	Description	Related Program
01	1 ~ 32	1 ~ 999	1 - xxx	Use this program to assign extensions to Call Pickup Groups other than the extension group set up by a Program 16-02.	11-12-26 11-12-27 11-12-28 15-07-24 15-07-25 15-07-26

Conditions

None

Feature Cross Reference

- Group Call Pickup

Program 23 : Answer Features Setup

23-03 : Universal Answer/Auto Answer

Level
IN

Description

Use **Program 23-03 : Universal Answer/Auto Answer** to assign trunk routes (set in Program 14-06) to extensions for Universal Answer. If the call ringing the paging system is in an extension assigned route, the user can dial the Universal Answer code (#0) to pick up the call.

You can also use this program to let an extension user automatically answer trunk calls that ring other extensions (not their own). When the user lifts the handset, they automatically answer the ringing calls based on Trunk Group Routing programming (defined in Program 14-06). The extension user ringing calls, however, always have priority over calls ringing other co-worker extensions. Refer to the Line Preference feature in the SL1100 Features and Specifications Manual for more information.



Make one entry for each Night Service mode.

Input Data

Extension Number		Maximum eight digits			
Item No.	Day/Night Mode	Route Table Number	Default	Description	Related Program
01	1 ~ 8	0 ~ 25	0	Use this program to let an extension user automatically answer trunk calls that ring other extensions. When the user lifts the handset, they automatically answer the ringing calls based on Trunk Group Routing programming (defined in Program 14-06).	14-06

Conditions

None

Feature Cross Reference

- Line Preference
- Night Service

Program

23

Program 23 : Answer Features Setup

23-04 : Ringing Line Preference for Virtual Extensions

Level

IN

Program

23

Description

Use **Program 23-04 : Ringing Line Preference for Virtual Extensions** to set the off-hook automatic response priority for calls ringing virtual extension keys on a telephone.



There are 50 available Virtual Extension Ports.

Input Data

Extension Number		Maximum eight digits			
Item No.	Priority Order	Extension Group Number	Default	Description	Related Program
01	1 ~ 4	0 ~ 32 (0 = No setting)	0	When an extension has a virtual extension assigned to a Programmable Function Key, this program determines the priority for automatically answering the ringing calls when the handset is lifted. If 0 or 00 is selected, when the user lifts the handset, the user answers a ringing call from any group.	16-02

Conditions

None

Feature Cross Reference

- Virtual Extensions

Program 24 : Hold/Transfer Setup

24-01 : System Options for Hold

Level
IN

Description

Use **Program 24-01 : System Options for Hold** to define the system options for the Hold feature.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	Hold Recall Time	0 ~ 64800 seconds	A call on Hold recalls the extension that placed it on Hold after this time. This time works with the Hold Recall Callback Time (Item 2).	90 seconds (V1.5 Changed)	
02	Hold Recall Callback Time	0 ~ 64800 seconds	A trunk recalling from Hold or Park rings an extension for this time. This time works with Hold Recall Time or Park Hold Time. After this time, the system invokes the Hold recall time again. Cycling between time 01 and 02 and 06 and 07 continues until a user answers the call.	0 seconds	
03	Exclusive Hold Recall Time	0 ~ 64800 seconds	A call left on Exclusive Hold recalls the extension that placed it on Hold after this time.	90 seconds	
04	Exclusive Hold Recall Callback Time	0 ~ 64800 seconds	An Exclusive Hold Recall rings an extension for this time. If not picked up, the call goes back on System Hold.	0 seconds	
05	Forced Release of Held Call	0 ~ 64800 seconds	Depending on the setting of Program 14-01-16, the system disconnects calls on Hold longer than this time.	1800 seconds	14-01-16
06	Park Hold Time - Normal	0 ~ 64800 seconds	A call left parked longer than this time recalls the extension that initially parked it.	90 seconds (V1.5 Changed)	20-31-14
07	Park Hold Time - Extended (Recall)	0 ~ 64800 seconds	A call left parked longer than this time recalls the extension that initially parked it.	300 seconds	

Conditions

None

Feature Cross Reference

- Hold
- Park

Program

24

Program 24 : Hold/Transfer Setup

24-02 : System Options for Transfer

Level
IN

Program

24

Description

Use **Program 24-02 : System Options for Transfer** to define the system options for the Transfer feature.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	Busy Transfer	0 = Disable (No) 1 = Enable (Yes)	Use this option to prevent or allow extensions to Transfer calls to busy extensions. If disabled, calls transferred to busy extensions recall immediately.	1	
02	MOH or Ringback on Transferred Calls	0 = Hold Tone 1 = Ring Back Tone	Use this option to enable or disable MOH on Transfer. If enabled (0), a transferred caller hears MOH while their call rings the destination extension. If disabled (1), a transferred caller hears ringback while their call rings the destination extension.	0 (V1.5 Changed)	20-03-02
03	Delayed Call Forwarding Time	0 ~ 64800 seconds	If activated at an extension, Delayed Call Forwarding occurs after this time. This also sets how long a Transferred call waits at an extension forwarded to Voice Mail before routing to the called extension mailbox.	10 seconds	20-31-15
04	Transfer Recall Time	0 ~ 64800 seconds	An unanswered transferred call recalls to the extension that initially transferred it after this time.	30 seconds (V1.5 Changed)	20-31-16
05	Message Wait Ring Interval Time	0 ~ 64800 seconds	For Single Line Telephones (SLTs) without message waiting lamps, this is the time between intermittent ringing. If this value is set to 0, the system rings once.	30 seconds	
07	Trunk-to-Trunk Transfer Release Warning Tone	0 ~ 64800 seconds	Time starts when a trunk begins talking with another trunk (for example : trunk-to-trunk transfer, outgoing from trunk, Tandem Trunking). When this time expires, a warning tone is heard. If Program 24-02-10 is set, the conversation disconnects after time expires. This time is set again when the external digit timer expires. One of the trunks used must be an analog trunk (or leased line).	1800 seconds	14-01-25 20-28-01 20-28-02 20-28-03 24-02-10
08	Delayed Transfer Time for all Department Groups	0 ~ 64800 seconds		10 seconds	11-11-28 11-11-29 15-07-59
09	Two B-Channel Transfer Retry Timer	0 ~ 30 seconds		10 seconds	10-03-16 (PRI)
10	Disconnect Trunk-to-Trunk	0 ~ 64800 seconds		0	14-01-25 20-28-01 20-28-02 20-28-03 24-02-07
11	No Answer Step Transfer	0 ~ 64800 seconds		10 seconds	14-01-26

Item No.	Item	Input Data	Description	Default	Related Program
12	No Answer Trunk-to-Trunk Transfer	0 ~ 64800 seconds		0	14-01-26
13	Hook Flash Sending Timer When the System Answers Automatically	0 ~ 64800 seconds	Time before sending the hook flash for Call Forward Centrex.	2 seconds	

Conditions

None

Feature Cross Reference

- Transfer

Program 24 : Hold/Transfer Setup

24-03 : Park Group

Level
IN

Program

24

Description

Use **Program 24-03 : Park Group** to assign an extension to a Park Group. The system allows a total of 64 Park Groups. An extension user can pick up only a call parked in orbit by an extension user in own group.

Input Data

Extension Number		Maximum eight digits			
Item No.	Item	Input Data	Description	Default	Related Program
01	Park Group Number	1 ~ 64	Assign an extension to a Park Group. The system allows a total of 64 Park Groups.	1	15-07-01

Conditions

None

Feature Cross Reference

- Park

Program 24 : Hold/Transfer Setup

24-04 : Automatic Trunk-to-Trunk Transfer Target Setup

Level
IN

Description

Use **Program 24-04 : Automatic Trunk-to-Trunk Transfer Target Setup** to assign the Speed Dialing number bin which should be used as the destination of the Automatic Trunk-to-Trunk Transfer.

Input Data

Trunk Port Number	001 ~ 096
-------------------	-----------

Item No.	Day/Night Mode	Speed Dial Area Number	Default	Description	Related Program
01	1 ~ 8	0 ~ 999	999	The destination telephone number of the Trunk-to-Trunk Transfer uses the number registered into the Speed Dial. Use this program to setup the Speed Dial Bin Number.	11-10-08 13-04 24-05

Conditions

None

Feature Cross Reference

- Call Forwarding, Off-Premise

Program

24

Program 24 : Hold/Transfer Setup

24-05 : Department Group Transfer Target Setup

Level
IN

Program

24

Description

Use **Program 24-05 : Department Group Transfer Target Setup** to assign the Speed Dialing bin which is used as the destination of the extension for the Extension Group.



There are 32 available Department Groups.

Input Data

Extension Group Number	01 ~ 32
------------------------	---------

Item No.	Day/Night Mode	Speed Dial Area Number	Default	Description	Related Program
01	1 ~ 8	0 ~ 999	999	The Speed Dialing area is used to program the destination number of the transferred telephone number when a Department Group call is transferred using the Trunk-to-Trunk Forwarding feature.	11-11-27 13-04 24-04

Conditions

None

Feature Cross Reference

- Transfer

Program 24 : Hold/Transfer Setup

24-09 : Call Forward Split Settings

Level
IN

Description

Use **Program 24-09 : Call Forward Split Settings** to assign Call Forwarding Type and the destination number for each extension/virtual extension. The destination can have up to 24 digits, using 0 ~ 9, *, #, and @. Be sure to include the trunk access code (e.g., 9) in the number if the destination is off-premise.




Only ISDN uses the @ symbol.



Pause can be set by LK 1.

Input Data

Extension Number		Maximum eight digits	
Item No.	Item	Input Data	Default
01	Call Forwarding Type	0 ~ 5 0 = Call Forwarding Off 1 = Call Forwarding with both ring 2 = Call Forwarding when no answer 3 = Call Forwarding all calls 4 = Call Forwarding busy or no answer 5 = Call Forwarding when busy	0
02	CO Call Forwarding Destination for Both Ring, All Call, No Answer	1 ~ 9, 0, #, *, R, @ (Up to 36 digits) (V1.5 Changed)  <i>Only ISDN uses the @ symbol</i>	None
03	Intercom Call Forwarding Destination for Both ring, All Call, No Answer	1 ~ 9, 0, #, *, R, @ (Up to 36 digits) (V1.5 Changed)	None
04	CO Call Forwarding Busy Destination	1 ~ 9, 0, #, *, R, @ (Up to 36 digits) (V1.5 Changed)	None
05	Intercom Call Forwarding Busy Destination	1 ~ 9, 0, #, *, R, @ (Up to 36 digits) (V1.5 Changed)	None
06	Call Forwarding Destination for CTX/PBX for All Call, No Answer	1 ~ 9, 0, #, *, R, @ (Up to 36 digits) (V1.5 Changed)	None
07	Call Forwarding Destination for CTX/PBX for Busy	1 ~ 9, 0, #, *, R, @ (Up to 36 digits) (V1.5 Changed)	None

Conditions

None

Feature Cross Reference

- Call Forwarding, Off-Premise

Program

24

Program 25 : VRS/DISA Setup

25-01 : VRS/DISA Line Basic Data Setup

Level
IN

Program

25

Description

Use **Program 25-01 : VRS/DISA Line Basic Data Setup** to define the basic setting of each VRS/DISA line.

Input Data

Trunk Port Number	001 ~ 096
-------------------	-----------

Item No.	Item	Input Data	Default	Related Program
01	VRS/DISA Dial - In Mode	0 = Extension Number Service Code Specify (Intercom) 1 = Use Dial Conversion Table	0	22-11
02	DISA User ID	0 = Off 1 = On	0	25-08
03	VRS/DISA Transfer Alarm	0 = Normal (Off) 1 = Alarm (On)	0	

Conditions

None

Feature Cross Reference

- Direct Inward System Access (DISA)

Program 25 : VRS/DISA Setup

25-02 : DID/DISA VRS Message

Level
IN

Description

Use **Program 25-02 : DID/DISA VRS Message** to assign the VRS message number to be used as the Automated Attendant Message for each trunk which is assigned as a VRS/DISA.

Input Data

Trunk Port Number		001 ~ 096		
Item No.	Day/Night Mode	Message (Talkie) Source	Additional Data	Default
01	1 ~ 8	0 = No Talkie 1 = VRS 3 = SLT	1 = 01 ~ 100 (VRS Message Number) 3 = 01 ~ 32 (Station Group Number)	Talkie Type = 1 Additional Data = 1

Conditions

None

Feature Cross Reference

- Direct Inward System Access (DISA)

Program

25

Program 25 : VRS/DISA Setup

25-03 : VRS/DISA Transfer Ring Group With Incorrect Dialing

Level
IN

Program

25

Description

Use **Program 25-03 : VRS/DISA Transfer Ring Group With Incorrect Dialing** to set what happens to a call when the DISA or Automated Attendant caller dials incorrectly or waits too long to dial. The call can either disconnect (0) or Transfer to an alternate destination (a ring group or voice mail). When setting the DISA and DID Operating Mode, make an entry for each Night Service mode.

Input Data

Trunk Port Number	001 ~ 096
-------------------	-----------

Item No.	Day/Night Mode	Incoming Group Number	Default	Related Program
01	1 ~ 8	0 = Disconnect 01 ~ 25 = Incoming Ring Group 102 = VMI	1	22-04

Conditions

None

Feature Cross Reference

- Direct Inward System Access (DISA)

Program 25 : VRS/DISA Setup

25-04 : VRS/DISA Transfer Ring Group With No Answer/Busy

Level
IN

Program

25

Description

Use **Program 25-04 : VRS/DISA Transfer Ring Group With No Answer/Busy** to set the operating mode of each DISA trunk. This sets what happens to the call when the DISA or Automated Attendant caller calls a busy or unanswered extension. The call can either disconnect (0) or Transfer to an alternate destination (a ring group or voice mail). When setting the DISA and DID Operating Mode, make an entry for each Night Service mode.

Input Data

Trunk Port Number		001 ~ 096		
Item No.	Day/Night Mode	Incoming Group Number	Default	Related Program
01	1 ~ 8	0 = Disconnect 01 ~ 25 = Incoming Ring Group 102 = VMI	0	22-04

Conditions

None

Feature Cross Reference

- Direct Inward System Access (DISA)

Program 25 : VRS/DISA Setup

25-05 : VRS/DISA Error Message Assignment

Level
IN

Program

25

Description

Use **Program 25-05 : VRS/DISA Error Message Assignment** to assign the VRS message number to be used as the Automated Attendant error message. For each VRS/DISA trunk that the VRS answers, enter the VRS message (1 ~ 100) the outside caller hears if they dial incorrectly. If you enter 0 (i.e., no error message), the call reroutes according to Programs 25-03 and 25-04.

For each trunk, make a separate entry for each Night Service mode.

Input Data

Trunk Port Number		001 ~ 096	
Item No.	Day/Night Mode	VRS Message Number	Default
01	1 ~ 8	0 ~ 100 (0 = No setting)	0

Conditions

None

Feature Cross Reference

- Direct Inward System Access (DISA)

Program 25 : VRS/DISA Setup

25-06 : VRS/DISA One-Digit Code Attendant Setup

Level IN

Description

Use **Program 25-06 : VRS/DISA One-Digit Code Attendant Setup** to set up single digit dialing through the VRS. This gives VRS callers single key access to extensions, the company operator, Department Calling Groups and Voice Mail. For each VRS message set to answer outside calls (refer to Programs 25-04 and 25-05), you specify:

- The digit the VRS caller dials (0 ~ 9, *, #). Keep in mind that if you assign destinations to digits, outside callers cannot dial system extensions.
- The destination reached (Maximum eight digits) when the caller dials the specified digit.


The destination can be an extension, a Department Calling pilot number or the Voice Mail master number. A one-digit code can be assigned for each Automated Attendant message.

Example:

Message Number = 01, Destination = 2, Next Message Number = 0, Dial = 399

In this example, when 2 is dialed by an outside caller, the system transfers the call to 399. This means that extension 200~299 cannot receive calls from VRS/DISA users during/after VRS Message 01.

Input Data

Attendant Message Number		01 ~ 100		
Received Dial		1 ~ 9, 0, *, #		
Item No.	Item	Input Data	Description	Default
01	Next Attendant Message Number	0 ~ 100 (0 = No setting) 101 = Voice Mail answers 104 = Refer to 25-04 : VRS/DISA Transfer Ring Group With No Answer/Busy 105 = Dial the other extension 106 = record VRS	Defines the next attendant message number or destination number for each 1-digit access code in Automated Attendant service	0
02	Destination Number	Up to eight digits  Must be a valid extension number that is programmed in command 11-02 or 11-04.		No Setting

Conditions

- Outside caller may not be able to dial individual extensions or lines if the same first digit is defined here.

Feature Cross Reference

- Direct Inward System Access (DISA)
- Voice Response System (VRS)

Program 25 : VRS/DISA Setup

25-07 : System Timers for VRS/DISA

Level
IN

Program

25

Description

Use **Program 25-07 : System Timers for VRS/DISA** to set the value for the system timers which affect DID and DISA. Refer to the following chart for a description of each option, its range and default setting.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	VRS/DISA Dial Tone Time	0 ~ 64800 seconds	After answering a DISA trunk, the system waits this time for the caller to dial the first digit of the DISA password. If the caller fails to dial during this time, the system drops the call.	10 seconds	25-04
02	VRS/DISA No Answer Time	0 ~ 64800 seconds	A VRS/DISA caller can ring an extension for this time before the system sets the call as a Ring No Answer. After this time expires, the call follows the programmed Ring No Answer routing (set in Programs 25-03 and 25-04).	0 second	25-04 20-31-17
03	Disconnect after VRS/DISA retransfer to IRG	0 ~ 64800 seconds	From DISA trunk, when the call may go to Incoming Ring Group of Programs 25-03 and 25-04. This setting determines how long the call is ringing in the IRG.	60 seconds	20-31-18
04	Calling Time to Automatic Answering Telephone Set	0 ~ 64800 seconds	Set the answering waiting time of the automatic answering extension when an incoming DID trunk call is received.	10 seconds	
05	Duration Time for Guidance Message by Automatic Answering Telephone Set	0 ~ 64800 seconds	Set the announcement time of the automatic answering extension after which an incoming DID trunk caller is disconnected.	10 seconds	
07	Long Conversation Warning Tone Time	0 ~ 64800 seconds	Determine the time a DISA caller or any trunk-to-trunk (such as Tandem Trunking) conversation can talk before the Long Conversation tone is heard.	1800 seconds	14-01-25 20-28-01 20-28-02 20-28-03 20-31-19
08	Long Conversation Disconnect Time	0 ~ 64800 seconds	This time determines how long the system waits before disconnecting a DISA caller or any trunk-to-trunk (such as Tandem Trunking) conversation call after the Long Conversation tone is heard.	30 seconds	14-01-25 20-28-01 20-28-02 20-28-03
09	DISA Internal Paging Time	0 ~ 64800 seconds	This is the maximum length of an Internal Page placed by a DISA caller. If the Page continues longer than this time, the system terminates the DISA call.	30 seconds	20-31-21
10	DISA External Paging Time	0 ~ 64800 seconds	This is the maximum length of an External Page placed by a DISA caller. If the Page continues longer than this time, the system terminates the DISA call.	30 seconds	20-31-22
11	VRS/DISA Answer Delay Time	0 ~ 64800 seconds	Sets up the time the system waits after receiving an incoming VRS/DISA call before the system automatically answers the call.	0 second	

Item No.	Item	Input Data	Description	Default	Related Program
13	VRS/DISA Busy Tone Interval	0 ~ 64800 seconds	If a DISA caller dials a busy extension (and Program 25-04 = 0), the system plays busy tone for this time before disconnecting.	5 seconds	
14	Delayed VRS Answer Time	0 ~ 64800 seconds	Assign the delay time from switching from a normal incoming status to DID mode. If this time is set to 0, the call switches to DID mode immediately.	10 seconds	

Conditions

None

Feature Cross Reference

- Direct Inward System Access (DISA)

Program

25

Program 25 : VRS/DISA Setup

25-08 : DISA User ID Setup

Level
SA

Program

25

Description

Use **Program 25-08 : DISA User ID Setup** to set the 6-digit DISA password for each user. There are 15 users each with one 6-digit password.

Input Data

DISA User Number		01 ~ 15	
Item No.	Item	Input Data	Default
01	Password	Dial (Fixed - six digits) 0 ~ 9, *, #	01=000001 02=000002 03=000003 04=000004 05=000005 06=000006 07=000007 08=000008 09=000009 10=000010 11=000011 12=000012 13=000013 14=000014 15=000015

Conditions

None

Feature Cross Reference

- Direct Inward System Access (DISA)

Program 25 : VRS/DISA Setup

25-09 : Class of Service for DISA Users

Level
IN

Description

Use **Program 25-09 : Class of Service for DISA Users** to set the DISA Class of Service for each user. When a DISA caller enters a password (defined in Program 25-08), the system identifies the user and associates the appropriate DISA Class of Service with the call. Assign the DISA Class of Service options in Program 20-14. When programming DISA Class of Service, make one entry for each Night Service mode.

Input Data

DISA User Number		1 ~ 15	
Item No.	Day/Night Mode	Function Class	Default
01	1 ~ 8	1 ~ 15	1

Conditions

- DISA Class of Service cannot be 0.
- Program 20-06 cannot be used to assign Class of Service to DISA trunks.

Feature Cross Reference

- Direct Inward System Access (DISA)

Program

25

Program 25 : VRS/DISA Setup

25-10 : Trunk Group Routing for DISA

Level
IN

Program

25

Description

Use **Program 25-10 : Trunk Group Routing for DISA** to assign the Trunk Group route chosen when a user places a DISA call to the system and dials 9. Set Trunk Group Routing in Program 14-06. Enable or disable the DISA caller ability to dial 9 in Program 20-14-02. Assign a route to each DISA Class of Service (1 ~ 15). The system assigns a DISA Class of Service to a call based on the password the DISA caller dials.



When programming, make a separate entry for each Night Service Mode.

Input Data

DISA User Number	1 ~ 15
------------------	--------

Item No.	Day/Night Mode	Route Table Number	Default
01	1 ~ 8	0 ~ 25 (0 = No setting)	1

Conditions

None

Feature Cross Reference

- Direct Inward System Access (DISA)

Program 25 : VRS/DISA Setup

25-11 : DISA Toll Restriction Class

Level
IN

Description

For systems that use Toll Restriction, use **Program 25-11 : DISA Toll Restriction Class** to assign a Toll Restriction Class (1-15) to each DISA user (1~15). The system uses the Toll Restriction Class you enter in Programs 21-05 and 21-06. The Toll Restriction Class assigned to a DISA call is based on the DISA Class of Service and user, which is determined by the password the caller dials.



When programming, make a separate entry for each Night Service mode.

Input Data

DISA User Number		1 ~ 15	
Item No.	Day/Night Mode	Toll Restriction Class	Default
01	1 ~ 8	1 ~ 15	2

Conditions

- Program 21-05 cannot be used to assign Toll Restriction to DISA trunks.

Feature Cross Reference

- Direct Inward System Access (DISA)

Program

25

Program 25 : VRS/DISA Setup

25-12 : Alternate Trunk Group Routing for DISA

Level
IN

Program

25

Description

Use **Program 25-12 : Alternate Trunk Group Routing for DISA** to define the trunk route selected when a DISA caller dials the Alternate Trunk Access Code. The route selected is based on the DISA caller Class of Service, which in turn is determined by the password the caller dials. When programming, make a separate entry for each Night Service Mode.



Use Program 11-09-02 to set the Alternate Trunk Access Code. Use Program 14-06 to set trunk routes.

Input Data

DISA User Number		1 ~ 15	
Item No.	Day/Night Mode	Route Table Number	Default
01	1 ~ 8	0 ~ 25 (0 = No setting)	1

Conditions

- You cannot use Program 21-15 to assign alternate trunk routing to DISA trunks.

Feature Cross Reference

- Direct Inward System Access (DISA)
- Trunk Group Routing

Program 25 : VRS/DISA Setup

25-13 : System Option for DISA

Level
IN

Description

Use **Program 25-13 : System Option for DISA** to enter the password DISA callers must dial before the system allows them to record, listen to and or erase the VRS messages. This program also is used to define additional DISA call options.

Input Data

Item No.	Item	Input Data	Description	Default
01	VRS Message Access Password	1 ~ 9, 0, *, # (Fixed six digits)	Enter the password DISA callers must dial before the system allows them to record, listen to and/or erase the VRS messages.	No Setting

Conditions

None

Feature Cross Reference

- Direct Inward System Access (DISA)
- Voice Response System (VRS)

Program

25

Program 25 : VRS/DISA Setup

25-15 : DISA Transfer Target Setup

Level

IN

Program

25

Description

Use **Program 25-15 : DISA Transfer Target Setup** to assign a Speed Dial number when a dial tone times-out, or when the wrong number is received and the target extension does not answer or is busy.

Input Data

Trunk Port Number	001 ~ 096
-------------------	-----------

Day/Night Mode	1 ~ 8
----------------	-------

Item No.	Item	Input Data	Default	Related Program
01	DISA Transfer Target Area At Wrong Dial	Speed Dial bin number 0 ~ 999	999	25-03-01
02	DISA Transfer Target Area At No Answer or Busy	Speed Dial bin number 0 ~ 999	999	25-04-01

Conditions

- Related to Programs 25-03-01 25-04-01.

Feature Cross Reference

- Direct Inward System Access (DISA)
- Voice Response System (VRS)

Program 25 : VRS/DISA Setup

25-16 : DUD/DISA Single Digit Timer

Level
IN

(This Program is available for V2.0 or higher)

Program

25

Description

Use **Program 25-16 : DUD/DISA Single Digit Timer** to define DUD/DISA talkie base setup.

Input Data

Item No.	Item	Input Data	Default
01	DUD/DISA Single Digit Timer	0 ~ 68400	0

Conditions

None

Feature Cross Reference

- Direct Inward System Access (DISA)
- Voice Response System (VRS)

Program 26 : ARS Service & Least Cost Routing

26-01 : Automatic Route Selection (ARS/F-Route) Service

Level

IN

Program

26

Description

Use **Program 26-01 : Automatic Route Selection Service (ARS/F-Route)** to define the system options for Automatic Route Selection (ARS/F-Route).

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	ARS Service	0 = Disable (Off) 1 = Enable (On)	Enable or disable ARS.	0	26-02 26-03 26-04
02	Network Outgoing Inter-Digit ARS Time	0 ~ 64800 seconds	With Networking, this time replaces 20-03-04 when determining if all network protocol digits have been received. If ARS is enabled at Site B, this time can be programmed for 5 (500 ms) at Site A. If ARS is disabled and Site B is using F-Route for outbound dialing, this time should be programmed for 30 (three seconds) at Site A.	30 seconds	20-03-04
03	ARS Misdialed Number Handling	0 = Route to Trunk Group 1 1 = Play Warning Tone to Dialer	If a user dials a number not programmed in ARS, this option determines if the system should route over Trunk Group 1 or play error tone.	0	21-02
04	LCR Mode Option	0 = UK style 1 = Not UK style		1 (V2.1 Changed)	26-02 26-05 26-06 26-07 26-08 26-09
06	Class of Service Match Access	0 = Disable (Off) 1 = Enable (On)		0	26-02
07	F-Route Access COS Reference	0 = F-Route 1 = ARS		0	26-02 44-05

Conditions

None

Feature Cross Reference

- Automatic Route Selection (ARS/F-Route)

Program 26 : ARS Service & Least Cost Routing

26-02 : Dial Analysis Table for ARS/LCR

Level
IN

Description

Use **Program 26-02 : Dial Analysis Table for ARS/LCR** to set pre-transaction tables for selecting Automatic Route Selection (ARS/F-Route).

- Service Type 1 (Route to Trunk Group Number) - The number routes to a trunk group.
- Service Type 2 (F-Route Selected) - The number is controlled by the F-Route table.

Input Data

Dial Analysis Table Number	1 ~ 400
----------------------------	---------

Item No.	Item	Input Data	Default	Related Program
01	Dial	Dial Digits (maximum 16 digits) 0 ~ 9, *, #, or for wild character (Press line key 1)	No Setting	
02	ARS Service Type	0 = No Service (None) 1 = Route to Trunk Group 2 = Select F-Route Access	0	
03	Additional Data/Service Number	If Service Type 1 (in 26-02) : Select Trunk Group Number 0 ~ 25 (Trunk Group Number 0 = No Route) If Service Type 2 (in 26-02) : F-Route Time Schedule Not Used = 0 ~ 100 (F-Route Table Number). Refer to 44-05 : ARS/F-Route Table. F-Route Time Schedule Used = 0 ~ 100 (F-Route Selection Number). Refer to 44-04 : ARS/F-Route Selection for Time Schedule.	0	44-04 44-05
04	ARS Class of Service	0 ~ 16	0	
05	Dial Treatment for ARS	0 ~ 15	0	
06	LCR Carrier Table	0 ~ 25	0	
07	Network Specified Parameter Table	0 ~ 16	0	26-12

Conditions

None

Feature Cross Reference

- Automatic Route Selection (ARS/F-Route)

Program

26

Program 26 : ARS Service & Least Cost Routing

26-03 : ARS Dial Treatments

Level
IN

Program

26

Description

Use **Program 26-03 : ARS Dial Treatments** to assign the 15 Dial Treatments for automatic ARS dialing translation. Assign Dial Treatments to Service Numbers (Trunk Groups) in Program 26-02. The ARS Dial Treatment options are:

- **An** - For Alternate Carrier Access (n = 1 ~ 4). The numeric digit instructs the system to insert a Transit Network Selection information element in the SETUP message and also identifies which code in Program 26-11 will be included in the information element. This function is valid only for outbound calls by ISDN trunks.
- **DNN** - Outdial the NN number of digits or execute the code that follows. For example, D041234 outdials 1234. Valid entries are 0 ~ 9, #, *, Wnn (wait nn seconds) and P (pause). Each digit's code counts as a digit. So, for example, if a P was added for a pause, the entry would look like : **D05P1234**.
- **Wnn** - Wait nn seconds.
- **P** - Pause in analog trunk.
- **R** - Redial the initially dialed number, including any modifications.
- **E** - End of Dial Treatment. All Dial Treatments must end with the E code.
- **X** - When ARS is enabled, X must be entered in the Dial Treatment for the system to output the extension number of the call originator to the black box for the E911 feature.

Input Data

Dial Treatment Table Number		1 ~ 15	
Item No.	Item	Input Data	Default
01	Treatment Code	Maximum 36 characters	No Setting

Conditions

None

Feature Cross Reference

- Automatic Route Selection (ARS/F-Route)

Program 26 : ARS Service & Least Cost Routing

26-04 : ARS Class of Service

Level
IN

Description

Use **Program 26-04 : ARS Class of Service** to set the ARS Class of Service for an extension. Automatic Route Selection (ARS/F-Route) uses ARS Class of Service when determining how to route extension calls.

Input Data

Extension Number		Up to eight digits	
Item No.	Day/Night Mode	Class	Default
01	1 ~ 8	0 ~ 16	0

Conditions

None

Feature Cross Reference

- Automatic Route Selection (ARS/F-Route)

Program

26

Program 26 : ARS Service & Least Cost Routing

26-05 : LCR Carrier Table

Level

IN

Program

26

Description

Use **Program 26-05 : LCR Carrier Table** to define the LCR Access Codes and routing options. These options include Authorization codes and Cost Center

Input Data

Item No.	Item	Input Data	Description	Default
01	Delete Digits	0 - 16	Enter the quantity of leading digits that need to be deleted	0
02	Access Code	Maximum 16 digits (0 ~ 9, *, #, P, @) P = Pause @ = Change to DTMF or wait for Connect	Enter the Access Code and Option to route to the Indirect Carrier	No Setting
03	Authorization Code Table	0 ~ 10 (0 = No Authorization code)	Enter the table number that contains the correct Authorization code.	0
04	Cost Center Code	0 = Not Used 1 = Used	Optionally enter a cost center code.	0

Conditions

The settings must comply with the requirements of the Indirect Carrier. The operation of the @ symbol within the Access Code depend on the type of trunk. For analog trunk set as Dial Pulse the @ symbol defines change to DTMF dialing. For ISDN trunks the @ symbol defines that a Connect Message is received and then DTMF digits are sent in the B-Channel.

Feature Cross Reference

- LCR-Least Cost Routing

Program 26 : ARS Service & Least Cost Routing

26-06 : LCR Authorization Code Table

Level
IN

Description

Use **Program 26-06 : LCR Authorization Code Table** to define the optional Authorization code (or PIN code) required by the Indirect Carrier. The Authorization code is inserted if set in Program 26-05-03.

Input Data

Authorization Table Number	1 ~ 10
----------------------------	--------

Item No.	Item	Input Data	Default
01	Authorization Code	Up to 10 digits	No Setting

Conditions

The settings must comply with the requirements of the Indirect Carrier. The Authorization Code is used by the Indirect Carrier to identify the customer for billing purposes.

Feature Cross Reference

- LCR-Least Cost Routing

Program

26

Program 26 : ARS Service & Least Cost Routing

26-07 : LCR Cost Center Code Table

Level
IN

Program

26

Description

Use **Program 26-07 : LCR Cost Center Code Table** to define the optional cost center code required by the Indirect Carrier. The cost center code is set for each extension. The cost center code is inserted if set in Program 26-05-04.

Input Data

Extension Number	Up to eight digits
------------------	--------------------

Item No.	Item	Input Data	Default
01	Cost Center Code	Up to 8 digits	Extension Number

Conditions

The settings must comply with the requirements of the Indirect Carrier. The cost Center code is used by the Indirect Carrier to identify the individual user for billing purposes.

Feature Cross Reference

- LCR-Least Cost Routing

Program 26 : ARS Service & Least Cost Routing

26-08 : LCR Manual Override Access Code Table

Level
IN

Description

Use **Program 26-08 : LCR Manual Override Access Code Table** to define the access codes that the users can dial to select an indirect carrier i.e. bypass the automatic selection of Program 26-02.

Input Data

Manual Override Access Code Table Number	1 ~ 10
--	--------

Item No.	Item	Input Data	Description	Default
01	Manual Override Code	Maximum 4 digits (0 ~ 9, *, #)	This code is dialed by the user to bypass the automatic selection.	No Setting
02	Carrier Table No	Carrier Table number 0 ~ 25	The carrier table number of Program 26-05.	0

Conditions

The override code must begin with a digit 1 or it will not be checked against this table. There can be also exemptions to this table in Program 26-09.

Feature Cross Reference

- LCR-Least Cost Routing

Program

26

Program 26 : ARS Service & Least Cost Routing

26-09 : LCR Manual Override Exemption Table

Level
IN

Program

26

Description

Use **Program 26-09 : LCR Manual Override Exemption Table** to define the numbers that must not be sent via an indirect carrier when the user dials a Manual Override Access Code. The exemptions are normally Emergency Services that may not be supported by the indirect carrier.

Input Data

Manual Override Exemption Table Number	1 ~ 25
--	--------

Item No.	Item	Input Data	Description	Default
01	Exemption Number	Maximum 4 digits (0 ~ 9, *, #) Do not include the Access Code.	This code is dialed by the user to bypass the automatic selection.	Table 1 = 000 Table 2 ~ 25 = No Setting

Conditions

If the number dialed by the user corresponds to an entry in Program 26-09 the Aspire will delete the Manual Access code (Program 26-08) and route the call to the direct carrier. If the number specifies an Emergency Service you must ensure that the direct carrier will accept the call.

Feature Cross Reference

- LCR-Least Cost Routing

Program 26 : ARS Service & Least Cost Routing

26-11 : Transit Network ID Table

Level
IN

Description

Use **Program 26-11 : Transit Network ID Table** to define Transit Network ID for Alternate carrier access, which is referred from Program 26-03.

Input Data

Transit Network ID Table		1 ~ 4	
Item No.	Item	Input Data	Default
01	Transit Network ID (Carrier ID)	0000 ~ 9999 (Fixed four digits or No setting)	Table No. 1 ~ 4 = No Setting

Conditions

None

Feature Cross Reference

None

Program

26

Program 26 : ARS Service & Least Cost Routing

26-12 : Network Specific Parameter Table for ARS

Level
IN

Program

26

Description

Use **Program 26-12 : Network Specific Parameter Table for ARS** to define the Network Specific Parameter Table.

Input Data

Network Specific Parameter Table		1 ~ 16		
Item No.	Item	Input Data	Description	Default
01	Called Party Number - Type of Number Selection	0 = System Default 1 = Unknown 2 = International No. 3 = National No. 4 = Network Specific No. 5 = Subscriber No. 6 = Abbreviated No.	This setting is used by Programs 26-02-07 and 44-05-11 to determine ISDN element.	0
02	Called Party number - Numbering Plan Identification Selection	0 = System Default 1 = Unknown 2 = ISDN Plan 3 = Data Plan 4 = Telex Plan 5 = National Standard Plan 6 = Private Plan	This setting is used by Programs 26-02-07 and 44-05-11 to determine ISDN element.	0

Conditions

None

Feature Cross Reference

None

Program 30 : DSS/DLS Console Setup

30-01 : DSS Console Operating Mode

Level
IN

Description

Use **Program 30-01 : DSS Console Operating Mode** to set the mode of the system DSS Consoles. The entry for this option applies to all the system DSS Consoles. The available options are:

- Regular (Business) Mode (0)
- Hotel Mode (1)

Input Data

DSS Console Number		01 ~ 12	
Item No.	Item	Input Data	Default
01	DSS Operation Mode	0 = Business Mode 1 = Hotel Mode	0

Conditions

None

Feature Cross Reference

- Direct Station Selection (DSS) Console
- Hotel/Motel

Program

30

Program 30 : DSS/DLS Console Setup

30-02 : DSS Console Extension Assignment

Level

IN

Program

30

Description

Use **Program 30-02 : DSS Console Extension Assignment** to identify which extensions have DSS Consoles connected.

- Up to 12 different extensions with DSS Consoles can be set up. A single extension can have up to four 60-button DSS Consoles (12 is the maximum allowed per system).

When programming, each extension/DSS Console(s) combination is called a Console Number. There are 12 Console Numbers (01 ~ 12). Console Numbers can be assigned to extensions. When entering data, the assignment for Console Number 1 is normally made first.

Input Data

60-button DSS Console Number	01 ~ 12
------------------------------	---------

Item No.	Item	Input Data	Description	Default
01	Extension Number	Up to eight digits	The extension number for the multiline terminal connected with the DSS console.	No Setting

Conditions

None

Feature Cross Reference

- Direct Station Selection (DSS) Console

Program 30 : DSS/DLS Console Setup

30-03 : DSS Console Key Assignment

Level
SA

Description

Use **Program 30-03 : DSS Console Key Assignment** to customize the key assignments for 60-button DSS Consoles. A DSS Console key can have any function with up to eight digits (e.g., extension number or Service Code).

To prevent lamp problems when reassigning DSS Console keys, clearing an extension programmed key before reassigning it is recommended [Enter key to be cleared + 00 or *00 (If using WebPro or PC Programming, delete the key assignments and upload the change to the system before proceeding.)] Without clearing an extension key first, the DSS Console may not show the correct lamp display, although the DSS function works correctly.

If you are programming the system from the extension to which the DSS Console is connected, either by phone or using the WebPro or PC Program, you may need to unplug the DSS and plug it back in to reset the console lamping.

Input Data

Index 1

DSS Console Number	01 ~ 12
---------------------------	----------------



Index 2

Item No.	Key Number	Function Number	Additional Data
01	001 ~ 114	0 ~ 99, #0 ~ #99 (General Functional Level) *00 ~ *99 (Appearance Functional Level)	Refer to Function Number List [1] General functional level (00 ~ 99, #00 ~ #99).

Table 2-6 Function Number List

[1] General functional level (00 ~ 99, #00 ~ #99)

Function Number	Function	Additional Data	LED Indication	Note
01	DSS/One-Touch	Extension Number or any Numbers (up to 36 digits)	On (Red) : DSS Ext. Busy Off : DSS Ext. Idle, DND External, DND Transfer, CFW Busy, CFW Noans, CFW Busy/Noans, CFW Both, CFW FL ME Fast Blink (Red) : DND Intercom, DND All, CFW Imm	
02	Microphone Key (ON/OFF)		On (Red) : Mic On Off : Mic Off	
03	DND Key		On (Red) : DND Setup	
04	BGM (ON/OFF)		On (Red) : Active	
05	Headset		On (Red) : Headset Operation	
06	Transfer Key		None	
07	Conference Key		On (Red) : Conference Operation	
08	Incoming Call ID List		Fast Blink (Red) : Existing New CID On (Red) : Existing Checked CID Off : No CID	
09	Day/Night Mode Switch	Mode Number (1 ~ 8)	On : While each mode	
10	Call Forward - Immediate		On (Red) : Setup	
11	Call Forward - Busy		On (Red) : Setup	
12	Call Forward - No Answer		On (Red) : Setup	
13	Call Forward - Busy/No Answer		On (Red) : Setup	
14	Call Forward - Both Ring		On (Red) : Setup	

Function Number	Function	Additional Data	LED Indication	Note
15	Follow Me		Fast Blink (Red) : Setup Slow Blink (Red) : To be setup	
18	Text Message Setup	Message Numbers (01 ~ 20)	On (Red) : Setup	
19	External Group Paging	External Paging Number (1 ~ 6)	On (Red) : Active	
20	External All Call Paging		On (Red) : Active	
21	Internal Group Paging	Internal Paging Number (01 ~ 32)	On (Red) : Active	
22	Internal All Call Paging		None	
23	Meet-Me Answer to Internal Paging		None	
24	Call Pickup		None	
25	Call Pickup for Another Group		None	
26	Call Pickup for Specified Group	Call Pickup Group Number (1 ~ 32)	None	
27	Speed Dial - System/Private	None or Speed Dial Number (00 ~ 99 or 000 ~ 999)	None	
28	Speed Dial - Group	None or Speed Dial Number (00 ~ 99 or 000 ~ 999)	None	
29	Repeat Redial		Fast Flash (Red) : Repeat Dialing	
30	Saved Number Redial		None	
31	Memo Dial		None	
32	Meet-me Conference		None	
33	Override (Off-Hook Signaling)		None	
34	Barge-In		None	
35	Camp On		On (Red) : Active	
36	Department Step Call		None	
37	DND/FWD Override Call		None	
38	Message Waiting		None	
39	Room Monitoring		Slow Blink (Red) : Monitoring Fast Blink (Red) : To be monitored	
41	Secretary Buzzer	Extension Number (8 digits)	On (Red) : Calling party Fast Blink : Called party	
42	Boss - Secretary Call Pickup	Extension Number (8 digits)	On (Red) : Active	
43	Series Call		None	
44	Common Hold		None	
45	Exclusive Hold		None	
46	Department Group Log Out		On (Red) : Withdrawing	
49	Call Redirect	Extension Number or Voice Mail Number (8 digits)	None	
50	Account Code		None	
52	Automatic Answer with Delay Message Setup	Incoming Group Number (01 ~ 25)	On (Red) : Setup	
53	Automatic Answer with Delay Message Starting		On (Red) : Delay Message Answering	
54	External Call Forward by Door Box Setup		On (Red) : Setup	
55	Extension Name Edit		None	
56	General Purpose LED Operation	001 ~ 100 :	(Red) On  Off	
57	General Purpose LED Indication	001 ~ 100 :	(Red) On  Off	
58	Department Incoming Call - Immediate	Extension Group Number (01 ~ 32)	Slow Blink (Red) : Set Off : Cancel	
59	Department Incoming Call - Delay	Extension Group Number (01 ~ 32)	Slow Blink (Red) : Set Off : Cancel	
60	Department Incoming Call - DND	Extension Group Number (01 ~ 32)	Slow Blink (Red) : Set Off : Cancel	
62	Flash Key		None	
63	Outgoing Call Without Caller ID (ISDN)		On (Red) : Mode enabled	
66	CTI		On (Red) : CTI active	

Function Number	Function	Additional Data	LED Indication	Note
72	Keypad Facility Key			
73	Keypad Hold Key			
74	Keypad Retrieve Key			
75	Keypad Conference Key			
76	Application Key		None	
77	Voice Mail (In-Skin)	Extension Number or Pilot Number (8 digits)	Fast Blink (Red) : Existing new message	
78	Conversation Recording (In0skin VM)	0 = Conversation recording 1 = Delete, Re-recording 2 = Delete	Fast Blink (Red) : Recording	
79	Automated Attendant (In-Skin)	Extension Number or Pilot Number (8 digits)	On (Red) : Setup - All calls Fast Blink (Red) : Setup - No answer calls (125msec on/125msec off/125msec on/625msec off) (Red) : Setup - busy calls Slow Blink (Red) : Setup – busy/noans calls	
80	Tandem Ringing Set Up Key	0 = Cancel 1 = Set Extension Number to Tandem Ring (8 digits)	On (Red) : Master Side Slow Blink (Red) : Slave Side	
81	Automatic Transfer to Transfer Key	Trunk Line Number 001 ~ 096	Off : Cancel Slow Blink (Red) : Set	
83	Conversation Recording Function	0 = Pause 1 = Re-record 2 = Address 3 = Erase 4 = Urgent Page		
86	Private Call Refuse	None	Off : Cancel Slow Blink (Red) : Set	
87	Caller ID Refuse	None	Off : Cancel Slow Blink (Red) : Set	
88	Dial-In Mode Switching	Program 22-17, Table No. 1 ~ 500	Off : pattern 1, pattern 5 ~ 8 On (Red) : pattern 2 Slow Blink (Red) : pattern 3	
92	Wake Up Call Indication	None	Set : On No Set : Off No answer : Blink(On (125ms)/Off (125ms))	
93	Room Status Indication	None	ON : Checked In and Clean OFF : Checked Out (clean and available) SLOW blink : Maid Required [On (500ms)/Off (500ms)] MEDIUM blink : Maid in Room [On (250ms)/Off (250ms)] FAST blink : Inspect Room [On (125ms)/Off (125ms)]	
94	Call Attendant		Fast Blink (Red) : Setup - No answer calls (125msec:on →125msec:off →125msec:on →625msec:off) (Red) : Setup - Busy calls On (Red) : Setup - Busy/No answer calls	
95	Page Switching	None	Red On : Page 1 Slow Blink (Red) Page 2	
97	Door Box Access Key	Doorphone No. (1 ~ 6)	On (Red) : Door Box Busy Off : Door Box Idle Fast Blink (Red) : Door Box Incoming	
98	Message Waiting Indication Key	None	ON : New Message OFF : No Message	
99	Alternate Answer Key	None		

Table 2-7 Function Number List

[2] Appearance Function Level (*00 - *99) (Service Code 752)

Function Number	Function	Additional Data	LED Indication
*01	Trunk Key	Trunk Line Number 001 ~ 096	Fast Blink (Red) : Incoming On (Red) : Speaking Slow Blink (Red) : Holding/Transferring/Recall
*04	Park Key	Park Number (01 ~ 64)	Slow Blink (Red) : Holding/Recall
*07	Station Park Hold		None

Default

- The DSS keys 001 ~ 060 of all DSS consoles = DSS/One-Touch key 101 ~ 160.
- The DSS keys 061 ~ 114 of all DSS consoles = No Setting.

Conditions

None

Feature Cross Reference

- Direct Station Selection (DSS) Console

Program 30 : DSS/DLS Console Setup

30-04 : DSS Console Alternate Answer

Level
SA

Description

Use **Program 30-04 : DSS Console Alternate Answer** to assign the alternate DSS console station in case off-duty mode is set (by pressing the **ALT** key on the DSS console).

Input Data

Index 1

DSS Console Number	01 ~ 12
--------------------	---------

Index 2

Item No.	Item	Input Data	Default
01	DSS Console Alternate Answer	Alternate DSS No. 01 ~ 12 (0 = No setting)	0 = No Setting

Conditions

- Related extension is assigned in Program 30-02. Alternate answer key (ALT key) is assigned at Program 30-03.

Feature Cross Reference

None

Program

30

Program 30 : DSS/DLS Console Setup

30-05 : DSS Console Lamp Table

Level

IN

Program

30

Description

Use **Program 30-05 : DSS Console Lamp Table** to define the LED patterns for functions on the DSS consoles.

Input Data

Item No.	Item	Lamp Pattern Data	Default	Note
01	Idle Extension	0 ~ 7	0	
02	Busy Extension	0 ~ 7	7	
03	DND Extension	0 ~ 7	3	
09	Hotel Status Code 1 (Hotel DSS)	0 ~ 7	7	
10	Hotel Status Code 2 (Hotel DSS)	0 ~ 7	1	
11	Hotel Status Code 3 (Hotel DSS)	0 ~ 7	2	
12	Hotel Status Code 4 (Hotel DSS)	0 ~ 7	3	
13	Hotel Status Code 5 (Hotel DSS)	0 ~ 7	5	
14	Hotel Status Code 6 (Hotel DSS)	0 ~ 7	3	
15	Hotel Status Code 7 (Hotel DSS)	0 ~ 7	6	
16	Hotel Status Code 8 (Hotel DSS)	0 ~ 7	4	
17	Hotel Status Code 9 (Hotel DSS)	0 ~ 7	3	
18	Hotel Status Code 0 (Hotel DSS)	0 ~ 7	0	
19	Hotel Status Code* (Hotel DSS)	0 ~ 7	4	
20	Hotel Status Code # (Hotel DSS)	0 ~ 7	5	
21	VM Message Indication	0 ~ 7	3	

LED Pattern 0:[OFF]



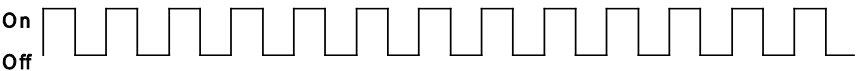
LED Pattern 1:[FL: On(500ms)/Off(500ms)]



LED Pattern 2:[WK: On(250ms)/Off(250ms)]



LED Pattern 3:[RW: On(125ms)/Off(125ms)]



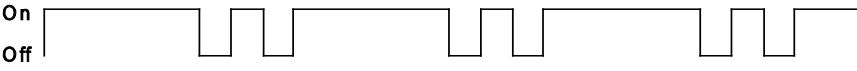
LED Pattern 4:[IR: On(125ms)/Off(125ms)/ On(125ms)/Off(625ms)]



LED Pattern 5:[IL On(875ms)/Off(125ms)]



LED Pattern 6:[IW On(625ms)/Off(125ms)/On(125ms)/Off(125ms)]



LED Pattern 7:[ON]



LED Patterns for DSS Console

Conditions

None

Feature Cross Reference

- Direct Station Selection (DSS) Console

Program 31 : Paging Setup

31-01 : System Options for Internal/External Paging

Level
IN

Program

31

Description

Use **Program 31-01 : System Options for Internal/External Paging** to define the system options for Internal/External Paging.

The system shows the name you program on the telephone display. Use the following chart when entering and editing text. When using the keypad digits, press the key once for the first character, twice for the second character, etc. For example, to enter C, press 2 three times. Press 2 six times to display the lower case letter.

Key for Entering Names	
When entering names in the procedures below, refer to this chart. Names can have up to 12 digits.	
Use this keypad digit ...	When you want to ...
1	Enter characters : 1 @ [¥] ^ _ { } → < A A A A A A E Ç É Ê Ì Ó 0
2	Enter characters : A-C, a-c, 2.
3	Enter characters : D-F, d-f, 3.
4	Enter characters : G-I, g-i, 4.
5	Enter characters : J-L, j-l, 5.
6	Enter characters : M-O, m-o, 6.
7	Enter characters : P-S, p-s, 7.
8	Enter characters : T-V, t-v, 8.
9	Enter characters : W-Z, w-z, 9.
0	Enter characters : 0 ! " # \$ % & ' () ò ó ú ä å æ ö ü α ε θ B
*	Enter characters : * + , - . / : ; < = > ? π Σ σ Ω ∞ ç £
#	# = Accepts an entry (only required if two letters on the same key are needed - ex : TOM). Pressing # again = Space. (In system programming mode, use the right arrow soft key instead to accept and/or add a space.)
Clear/Back	Clear the character entry one character at a time.
Flash	Clear all the entries from the point of the flashing cursor and to the right.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	All Call Paging Zone Name	Up to 12 Characters	Assign a name to each All Call Internal Paging zone. The name shows on the display of the telephone making the announcement.	Group all	11-12-19 31-02-02
02	Page Announcement Duration	0 ~ 64800 seconds	This timer sets the maximum length of Page announcements. (Affects External Paging only)	1200 seconds	
04	Privacy Release Time	0 ~ 64800 seconds	Once the user initiates a Meet-Me Conference or Voice Call Conference, the system waits this time for the Paged party to join the call.	90 seconds	

Conditions

None

Feature Cross Reference

- Paging, External
- Paging, Internal

Program 31 : Paging Setup

31-02 : Internal Paging Group Assignment

Level
IN

Description

Use **Program 31-02 : Internal Paging Group Assignment** to assign extensions to Internal Paging Groups (i.e., Page Zones). The setting in this program also determines if the Internal Page Group can receive Internal All Call Paging. The system can have up to 32 paging groups. An extension can be in only one Internal Paging Group.

Input Data

Extension Number		Maximum eight digits		
Item No.	Item	Input Data	Description	Default
01	Internal Paging Group Number	0 ~ 32 (0 = No setting)	Assign extensions to Internal Paging Groups (i.e., Page Zones). The system allows up to 32 Internal Paging Groups. An extension can be in only one Internal Paging Group.	1
02	Internal All Call Paging Receiving	0 = Off 1 = On	Allow or prevent All Call Internal Paging for each extension. If allowed, extension can place and receive All Call Internal Paging announcements. If prevented, extensions can only make (not receive) All Call Internal Paging announcements. If combined, Paging zones should be restricted as well, change the internal page zone group in Program 31-07-01 to 0.	1

Conditions

None

Feature Cross Reference

- Paging, Internal

Program

31

Program 31 : Paging Setup

31-03 : Internal Paging Group Settings

Level
IN

Program

31

Description

Use **Program 31-03 : Internal Paging Group Settings** to assign names to Internal Paging Groups (i.e., Page Zones) and to define the splash tone for Internal Paging.

The system shows the names you program on the telephone display. Use the following chart when entering and editing text. When using the keypad digits, press the key once for the first character, twice for the second character, etc. For example, to enter a C, press 2 three times. Press 2 six times to display the lower case letter.

Key for Entering Names	
When entering names in the procedures below, refer to this chart. Names can have up to 12 digits.	
Use this keypad digit ...	When you want to ...
1	Enter characters : 1 @ [¥] ^ _ { } → < A A A A A A E Ç É Ê Ì Ó 0
2	Enter characters : A-C, a-c, 2.
3	Enter characters : D-F, d-f, 3.
4	Enter characters : G-I, g-i, 4.
5	Enter characters : J-L, j-l, 5.
6	Enter characters : M-O, m-o, 6.
7	Enter characters : P-S, p-s, 7.
8	Enter characters : T-V, t-v, 8.
9	Enter characters : W-Z, w-z, 9.
0	Enter characters : 0 ! " # \$ % & ' () ò ó ú ä å æ ö ü α ε θ B
*	Enter characters : * + , - . / : ; < = > ? π Σ σ Ω ∞ ç £
#	# = Accepts an entry (only required if two letters on the same key are needed - ex : TOM). Pressing # again = Space. (In system programming mode, use the right arrow soft key instead to accept and/or add a space.)
Clear/Back	Clear the character entry one character at a time.
Flash	Clear all the entries from the point of the flashing cursor and to the right.

Input Data

Internal Paging Group Number	01 ~ 32
------------------------------	---------

Item No.	Item	Input Data	Description	Default
01	Internal Paging Group Name	Up to 12 Characters	Assign name to Internal Paging Groups (i.e., Page Zones). The system shows the name you program on the telephone display.	Refer to default table.
02	Internal Paging Splash tone type	0 = Ordinary volume 1 = Mute 2 = No tone	Allow an extension to have normal (0), muted (1) or no (2) Internal Paging alert beeps before a Paging announcement.	0

Default

Item 01 : Internal Paging Group Name

Extension Paging Group	Name
01	Group 1
02	Group 2
:	:
32	Group 32

Conditions

None

Feature Cross Reference

- Paging, Internal

Program 31 : Paging Setup

31-04 : External Paging Zone Group

Level
IN

Program

31

Description

Use **Program 31-04 : External Paging Zone Group** to assign each External Paging zone to an External Paging group. Users call the External Paging group when broadcasting announcements to the external zone.

To simplify programming and troubleshooting, always make the External Paging Zone Group the same number as the External Paging zone (i.e., 1 = 1, 2 = 2, etc.).

Input Data

External Speaker Number	1 ~ 3
-------------------------	-------

Item No.	Item	Input Data	Default
01	Paging Group Number	0 ~ 3 (0 = No setting)	Speaker 1 (Basic) = 1 (Group 1)

Conditions

None

Feature Cross Reference

- Paging, External

Program 31 : Paging Setup

31-05 : Universal Night Answer/Ring Over Page

Level
IN

Description

Use **Program 31-05 : Universal Night Answer/Ring Over Page** to assign Universal Night Answer ringing to each External Paging zone. For each trunk port, make a separate entry for each External Paging zone. For UNA ringing, make a separate entry for each Night Service mode.

Input Data

Trunk Port Number	001 ~ 096		
External Speaker Number	1 ~ 3		
Item No.	Day/Night Mode	Input Data	Default
01	1 ~ 8	0 = No Ringing (No) 1 = Ringing (Yes)	0

Conditions

None

Feature Cross Reference

- Night Service
- Paging, External

Program

31

Program 31 : Paging Setup

31-06 : External Speaker Control

Level
IN

Program

31

Description

Use **Program 31-06 : External Speaker Control** to define the settings for the external speaker using an amplifier.

Input Data

External Speaker Number	1 ~ 3
-------------------------	-------

Item No.	Item	Input Data	Description	Default
01	Broadcast Splash Tone Before Paging (Paging Start Tone)	0 = No Tone (None) 1 = Splash Tone 2 = Chime Tone	Use this option to enable or disable splash tone before Paging over an external zone. If enabled, the system broadcasts a splash tone before the External Paging announcement.	2
02	Broadcast Splash Tone After Paging (Paging End Time)	0 = No Tone (None) 1 = Splash Tone 2 = Chime Tone	Use this option to enable or disable splash tone after Paging over an external zone. If enabled, the system broadcasts a splash tone at the end of an External Paging announcement.	2
03	Speech Path	0 = Both Way (Duplex) 1 = One Way (Simplex)	Determine if the external speaker will be used for talkback (As this option is not available with the CPU external page zone, speaker 9 should be left at 1).	1
04	CODEC Transmit Gain Setup	1 ~ 63 (- 15.5 ~ + 15.5 dB)		32 (0 dB)
05	CODEC Receive Gain Setup	1 ~ 63 (- 15.5 ~ + 15.5 dB)		32 (0 dB)

Conditions

None

Feature Cross Reference

- Paging, External

Program 31 : Paging Setup

31-07 : Combined Paging Assignments

Level
IN

Description

Use **Program 31-07 : Combined Paging Assignments** to assign an External Paging Group (0 ~ 3) to an Internal Paging Zone (0 ~ 32) for Combined Paging. When an extension user makes a Combined Page, they simultaneously broadcast into both the External and Internal Zone.

Use Program 31-04-01 to assign an External Paging Zone (1 ~ 3) to an External Page Group (0 ~ 3).

Input Data

External Paging Group Number	0 ~ 3 (0 = All External Paging)
------------------------------	---------------------------------

Item No.	Item	Input Data	Default
01	Internal Paging Group Number	0 ~ 32 (0 = All Internal Paging)	1

Conditions

None

Feature Cross Reference

- Paging, External
- Paging, Internal

Program

31

Program 31 : Paging Setup

31-08 : BGM on External Paging

Level

IN

Program

31

Description

Use **Program 31-08 : BGM on External Paging** to set the Background Music option for each External Paging zone. If enabled, the system plays Background Music over the zone when it is idle.

Input Data

External Speaker Number	1 ~ 3
-------------------------	-------

Item No.	Item	Input Data	Description	Default
01	BGM	0 = BGM Prevented (No) 1 = BGM allowed (Yes)	Use this option to allow or prevent the External Paging zone you select from broadcasting Background Music when it is idle.	0

Conditions

None

Feature Cross Reference

- Background Music
- Paging, External

Program 31 : Paging Setup

31-10 : External Paging Group Basic Setting

Level
IN

Description

Use **Program 31-10 : External Paging Group Basic Setting** assigns the name of external paging group and defines the splash tone for external paging.

Input Data

External Speaker Number		01 ~ 03	
Item No.	Item	Input Data	Default
01	External Speaker Name	Up to 12 Characters	External Speaker Number 01 = Group 1 External Speaker Number 02 = Group 2 External Speaker Number 03 = Group 3

Conditions

None

Feature Cross Reference

None

Program

31

Program 32 : Door Box and Sensor Setup

32-01 : Door Box Timers Setup

Level

IN

Program

32

Description

Use **Program 32-01 : Door Box Timers Setup** to assign the timers used for the Door Box.



The Door Box feature is called Door Phone when programming via WebPro and using a multiline terminal.

Input Data

Item No.	Item	Input Data	Description	Default
01	Door Box Answer Time	0 ~ 64800 seconds	A multiline terminal user must answer Door Box chimes during this time.	30 seconds
02	Door Lock Cancel Time	0 ~ 64800 seconds	When a single line telephone user hook flashes or a multiline user presses the Recall key while talking to a Door Box, the strike stays open for this time.	10 seconds
03	Off-Premise Call Forward by Door Box Disconnect Timer	0 ~ 64800 seconds	Define the conversation period for an Off-Premise Call Forward by Door Box call. When this timer expires, the caller hears busy tone for three seconds (fixed time), and the call is then disconnected.	60 seconds

Conditions

None

Feature Cross Reference

- Door Box

Program 32 : Door Box and Sensor Setup

32-02 : Door Box Ring Assignment

Level
SA

Description

Use **Program 32-02 : Door Box Ring Assignment** to assign the extension which rings when a caller presses the associated Door Box call button.



The Door Box feature is called Door Phone when programming via WebPro and using a multiline terminal.

Input Data

Door Box Number	1 ~ 6
-----------------	-------

Day/Night Mode	1 ~ 8
----------------	-------

Item No.	Door Box Ring Group Number	Extension Number	Default
01	01 ~ 32	Maximum eight digits	Door Box Ringing Member 1 = 101 Other : No setting

Conditions

None

Feature Cross Reference

- Door Box

Program

32

Program 32 : Door Box and Sensor Setup

32-03 : Door Box Basic Setup

Level

IN

Program

32

Description

Use **Program 32-03 : Door Box Basic Setup** to select the chime pattern and gain level for each Door Box. There are six distinctive chime patterns. The chime tones are defined in 80-01 : Service Tone Setup



The Door Box feature is called Door Phone when programming via WebPro and using a multiline terminal.

Input Data

Door Box Number	1 ~ 6
-----------------	-------

Item No.	Item	Input Data	Description	Default
01	Chime Pattern	0 = None 1 = Door Box Ring 1 2 = Door Box Ring 2 3 = Door Box Ring 3 4 = Door Box Ring 4 5 = Door Box Ring 5 6 = Door Box Ring 6		Door Box 1 = 1 Door Box 2 = 2 Door Box 3 = 3 Door Box 4 = 4 Door Box 5 = 5 Door Box 6 = 6
02	CODEC Transmit Gain Setup	1 ~ 63 (- 15.5 dB ~ + 15.5 dB)	(System to Door Box)	32 (0 dB)
03	CODEC Receive Gain Setup	1 ~ 63 (- 15.5 dB ~ + 15.5 dB)	(Door Box to System)	32 (0 dB)

Conditions

None

Feature Cross Reference

- Door Box

Program 32 : Door Box and Sensor Setup

32-04 : Door Box Name Setup

Level
IN

Description

Use **Program 32-04 : Door Box Name Setup** to define the name of each Door Box.



The Door Box feature is called Door Phone when programming via WebPro and using a multiline terminal.

Input Data

Door Box Number	1 ~ 6
-----------------	-------

Item No.	Item	Input Data	Default
01	Door Box Name	Up to 12 characters	Door Box Name 1 = DOOR-1 Door Box Name 2 = DOOR-2 Door Box Name 3 = DOOR-3 Door Box Name 4 = DOOR-4 Door Box Name 5 = DOOR-5 Door Box Name 6 = DOOR-6

Conditions

None

Feature Cross Reference

- Door Box

Program

32

Program 34 : Tie Line Setup

34-01 : E&M Tie Line Basic Setup

Level
IN

Program

34

Description

Use **Program 34-01 : E&M Tie Line Basic Setup** to define the basic settings for each E&M Tie line.

Input Data

Trunk Port Number		001 ~ 096			
Item No.	Item	Input Data	Description	Default	Related Program
01	DID/E&M Start Signaling	0 = 2 nd Dial Tone 1 = Wink 2 = Immediate 3 = Delay	Set the start signaling mode for DID and Tie trunks. DID and Tie trunks can use either immediate start or wink start signaling.	2	22-02
02	Receive Dial Type for E&M Tie Line	0 = DP 1 = DTMF		1	10-09
03	E&M Dial-In Mode	0 = Specify Extension Number (Intercom) 1 = Use Conversion Table (NTT)	Determine if the incoming Tie Line call should be directed as an intercom call or if it should follow the DID Translation Table in Program 22-11.	0	22-11
04	E&M Line Dial Tone	0 = Disable (No) 1 = Enable (Yes)	Enter 1 if the Tie Line should send dial tone to the calling system after the call is set up. Enter 0 if the Tie Line should not send dial tone.	1	
05	System Toll Restriction	0 = System 1 = Each Extension	Determine if an incoming Tie Line call should be subject to Toll Restriction. If it is set to 0 then it will use the Program 21-05-13, if it is set to 1 then it will used Programs 21-05-01 ~ 21-05-13.	0	21-05

Conditions

None

Feature Cross Reference

None

Program 34 : Tie Line Setup

34-02 : E&M Tie Line Class of Service

Level
IN

Description

Use **Program 34-02 : E&M Tie Line Class of Service** to assign a Class of Service to a Tie line (there are 15 Tie line Classes of Service). The Class of Service options are defined in Program 20-14. For each Tie line, make a separate entry for each Night Service mode.

Input Data

Trunk Port Number		001 ~ 096		
Item No.	Day/Night Mode	Class	Default	Related Program
01	1 ~ 8	1 ~ 15	1	20-14

Conditions

- Program 20-06 cannot be used to assign Class of Service to Tie lines.

Feature Cross Reference

None

Program

34

Program 34 : Tie Line Setup

34-03 : Trunk Group Routing for E&M Tie Lines

Level

IN

Program

34

Description

Use **Program 34-03 : Trunk Group Routing for E&M Tie Lines** to assign the trunk group route 01 ~ 25) chosen when a user seizes a Tie Line and dials 9. (Set Trunk Group Routing in Program 14-07.) If the system has Automatic Route Selection (ARS/F-Route), dialing 9 accesses ARS. Make a separate entry for each Tie Line - for each Night Service Mode.

Input Data

Trunk Port Number		001 ~096	
Item No.	Day/Night Mode	Route Table Number	Default
01	1 ~ 8	00 ~ 25 (0 = No setting)	1

Conditions

None

Feature Cross Reference

None

Program 34 : Tie Line Setup

34-04 : E&M Tie Line Toll Restriction Class

Level
IN

Description

Use **Program 34-04 : E&M Tie Line Toll Restriction Class** to enter a Toll Restriction Class for each Tie Line. There are 15 Toll Restriction Classes which are defined in Programs 21-05 and 21-06. For each Tie Line, you make a separate Toll Restriction Class entry for each Night Service mode.

Input Data

Trunk Port Number		001 ~ 096		
Item No.	Day/Night Mode	Toll Restriction Class	Default	Related Program
01	1 ~ 8	1 ~ 15	2	21-05 14-01-08

Conditions

- Program 20-06 cannot be used to assign Toll Restriction to Tie Lines.

Feature Cross Reference

None

Program

34

Program 34 : Tie Line Setup

34-05 : Tie Line Outgoing Call Restriction

Level
IN

Program

34

Description

Use **Program 34-05 : Tie Line Outgoing Call Restriction** to build a restriction matrix for outgoing trunk calls placed from an inbound trunk (e.g., dialed from a Tie Line). For each inbound trunk group, enable or disable access to each CO trunk group.

Input Data

Incoming Trunk Group Number	01 ~ 25	
Outgoing Trunk Group Number	Input Data	Default
01 ~ 25	0 = Enable (Y-Tandem) 1 = Restricted (N-Tandem)	0

Conditions

None

Feature Cross Reference

None

Program 34 : Tie Line Setup

34-06 : Add/Delete Digit for E&M Tie Line

Level
IN

Description

Use **Program 34-06 : Add/Delete Digit for E&M Tie Line** to set digits that the system should add or delete for Tie Lines.

- **Delete Digit**
Some Tie Line networks pass the location number and extension number to the remote side. This program allows the system to ignore such numbers for a call.
If individual extension users do not want to receive an incoming call, they could delete all digits including the extension number.
- **Add Digit**
If a Tie Line network requires additional digits to reroute the call to a location, the digits for the location can be added to the received digits.

Input Data

Incoming Trunk Group Number	01 ~ 25
------------------------------------	----------------

Item No.	Item	Input Data	Default
01	Delete Digit	0 ~ 255 (255 = delete all digits)	0
02	Additional Dial Digits	Up to four digits (0 ~ 9, *, #)	No Setting

Conditions

None

Feature Cross Reference

None

Program

34

Program 34 : Tie Line Setup

34-07 : E&M Tie Line Timer

Level
IN

Program

34

Description

Use Program 34-07 : E&M Tie Line Timer to define the system service tone timers.

Input Data

Item No.	Item	Input Data	Default
01	First Digit Pause (E&M Immediate Start)	0 ~ 64800 seconds	3 seconds
02	First Digit Pause (E&M Wink Start)	0 ~ 64800 seconds	0
03	First Digit Pause (LD Trunk)	0 ~ 64800 seconds	3 seconds
04	LD Trunk Guard Time	0 ~ 64800 seconds	0
05	Trunk Answer Detect Timer for E&M	0 ~ 64800 seconds	30 seconds

Conditions

- If Program 34-07-05 is left at default (30) the transferred call recalls to the station that performed the transfer when not answered.

Feature Cross Reference

None

Program 34 : Tie Line Setup

34-08 : Toll Restriction Data for E&M Tie Lines

Level
IN

Description

Use **Program 34-08 : Toll Restriction Data for E&M Tie Lines** to define the toll restriction data for E&M Tie Lines. This data should be defined if Tie Line Toll Restriction is enabled in Program 21-05-13.

Input Data

Class of Service		01 ~ 15		
Item No.	Table No.	Dial Data	Default	Related Program
01	01 ~ 20	Up to 10 Digits (0 ~ 9, *, #)	No setting	21-05-13

Conditions

None

Feature Cross Reference

None

Program

34

Program 34 : Tie Line Setup

34-09 : ANI/DNIS Service Options

Level
IN


Program

34

Description

Use **Program 34-09 : ANI/DNIS Service Options** to define the ANI/DNIS service option setup for E&M Class of Service.

Input Data

Class of Service		01 ~ 15			
Item No.	Item	Input Data	Default	Default	Related Program
			COS 01	COS 02 ~ 15	
01	Receive Format Use this option to specify the format of the ANI/DNIS data received from the Telco. Make sure your entry is compatible with the service the Telco provides. The character* indicates a delimiter.  If Program 34-01-02 is selected to 2 (MF), this Program works only as 4 = *ANI*DNIS*.	0 = Address 1 = * ANI* 2 = * DNIS* 3 = * ANI* Address* 4 = * ANI* DNIS* 5 = * DNIS* ANI* (* = Delimiter Code)	0	0	34-01-02 34-09-02
02	Delimiter Dial Code This option defines the character Telco uses as a delimiter (see entries 1 ~ 5 in Item 1 above). Valid entries are 0 ~ 9, #, and *.	1 ~ 9, 0, #, *	*	*	34-09-01
03	Route Setup of Receive Dial This option specifies the source of the data the system uses to route incoming ANI/DNIS calls. If option 2 is selected, refer to Program 34-09-04.	0 = Fixed Route (Item 08) (No Routing) 1 = Routes on Received DNIS or Address Data 2 = Routes on Received ANI Data	0	0	22-09-01 22-11-01 34-09-04 34-09-08
04	Route Table Setup of Target Dial The option sets how the system uses the route data (gathered in Item 3) to route incoming ANI/DNIS calls. If option 2 is selected, and the call is to be routed using the DID table (1), up to eight digits can be matched. The number of expected digits set in Program 22-09-01 must match the ANI digits defined in Program 22-11-01. For example, if an ANI/ DNIS number received was *2035551234*3001* and Program 22-09- 01 = 4, the entry in 22-11-01 must be 1234 with the defined target extension. If the call is to be routed using the ABB table (0), up to 36 digits can be matched. Define the range of the ABB table to be used in Program 34-09-06. The data is compared to the entries in Program 13-04-01 and then routed according to Program 13-04-03.	0 = SPD Table (Program 13-03) 1 = DID Table (Program 22-11)	0	0	13-04 22-11-03 34-09-05

Item	Item	Input Data	Default	Default	Related
05	ANI/DNIS Display as Target Dial Name Use this option to set whether or not ANI data should appear on telephone displays as part of Caller ID display.	0 = Display Off 1 = Display On	1	0	13-04 20-09-02 22-11-03 23-09-04
06	Routing SPD Table Setup Use this option to define which part of the ABB Table set up in Program 13-04 the system uses for ANI/DNIS Caller ID look-ups and ANI/DNIS routing. This is required if Items 4 and 5 above are 1 (Caller ID on). When you specify a starting and end address, the system uses the part of the table for look-ups. When you specify a starting address and length, the system uses that part of the table for routing. If the incoming ANI/DNIS number data matches the Number entry in the table, the system routes according to the associated Name data. That data can be an extension, Department Group pilot number, the voice mail master number or a trunk ring group.	Start = 0, 100 ~ 900 End = 0, 99 ~ 999	Start = 900 End = 999	Start = 0 End = 0	13-04
07	Routing on ANI/DNIS Error This option lets you determine how the system handles an ANI/DNIS call if a data error is detected in the incoming data string.	0 = Play Busy Tone to Caller 1 = Route Caller to Ring Group Specified in Program 25-03 (Transfer)	1	0	25-03
08	Routing When Destination Busy or No Answer This option lets you determine how the system handles an ANI/DNIS call if destination is busy or does not answer.	0 = Play Busy or Ringback Tone to Caller (Busy/NoAns) 1 = Route Caller to Ring Group Specified in Program 25-04 (Transfer)	0	0	25-04
09	Calling Number Address Length When Item 01 = 0 (ANI/DNIS receive format is the address), use this option to specify the address length. The choices are from 1 ~ 8 digits.	1 ~ 8	7	7	34-09-01

Conditions

None

Feature Cross Reference

None

Program 34 : Tie Line Setup

34-11 : E1 Trunk Basic Setup

Level
IN

Program

34

Description

Use **Program 34-11 : E1 Trunk Basic Setup** to define the basic setting of each E1 Trunk.

Input Data

Trunk Port Number		001 ~ 096		
Item No.	Item	Input Data	Description	Default
01	E1 Trunk Type	0 = Standard Trunk 1 = Argentine Pulsed Clear Back Trunk 2 = Argentine Pulsed Answer Trunk 3 = Brazil With seizure acknowledge Trunk 4 = Brazil Without seizure acknowledge Trunk 5 = Brazil E&M Signal A (Idle = 0) Trunk 6 = Brazil E&M Signal A (Idle = 1) Trunk 7 = Brazil E&M Signal B (Idle = 0) Trunk 8 = Brazil Code for collect call blocking Trunk	Use this option to specify the E1 Signal type (0 ~ 8). Set this option for compatibility with the connected Telco.	0
02	MFC Dialing Type	0 = MFC Dialing not used 1 = NEC Standard 2 = Argentina 3 = Brazil 4 = Chile 5 = Colombia 6 = Mexico 7 = Venezuela	Use this option to specify the MFC Dialing Type. The following table shows the available MFC Dialing Type choices, By default, this option is 0 (MFC Dialing not used).	0
03	MFC Group B	0 = Disable 1 = Enable	Use this option to enable (1) or disable (0) the MFC Dialing Group B supervisory signaling. Since not all central offices provide Group B signaling, set this option for compatibility with the connected Telco. By default, this option is Disable (0).	0
04	Expected Number of MFC Digits	0 ~ 20	Use this option to specify the number of digits in the ANI number. This is required for ANI since delimiters do not mark the beginning and end of the data string. The system must know how many digits of incoming ANI Caller ID data to interpret.	7

Conditions

- After set Program 34-11-01, System needs to be re-started.

Feature Cross Reference

None

Program 35 : SMDR Account Code Setup

35-01 : SMDR Options

Level
IN

Description

Use **Program 35-01 : SMDR Options** to set the SMDR (Station Message Detail Recording) options for each of the eight SMDR ports. Refer to the following chart for a description of each option, its range and default setting.

Input Data

SMDR Port Number		1 ~ 2		
Item No.	Item	Input Data	Description	Default
01	Output Port Type	0 = None 1 = --Reserve-- 2 = --Reserve-- 3 = LAN 4 = --Reserve--	This option specifies the type of connection used for SMDR. The baud rate for the COM port should be set in Program 10-21-02 or 15-02-19.	SMDR port1 : 3 SMDR port2 : 0
03	Header Language	0 = English 1 = German 2 = French 3 = Italian 4 = Spanish	Specify the language in which the SMDR header should be printed.	0
04	Omit Digits	0 ~ 24 (0 = Not applied)	The number of digits entered in this option does not print on the SMDR report. For example, if the entry is 10, the first 10 digits a user dials do not appear on the SMDR report.	0
05	Minimum Digits	0 ~ 24 (0 = Not applied)	Outgoing calls must be at least this number of digits for inclusion in the SMDR report.	0
06	Minimum Call Duration	0 ~ 65535 seconds (0 = All)	The duration of the call must be at least this time to be included on the SMDR report.	0
07	Minimum Ring Time (For Incoming Calls)	0 ~ 65535 seconds (0 = All)	A call must ring for at least this time to be included on the SMDR report.	0
08	Format Selection	0 = Format1 Type (North America) 1 = Format2 Type (Overseas)		0

Conditions

None

Feature Cross Reference

- Station Message Detail Recording

Program

35

Program 35 : SMDR Account Code Setup

35-02 : SMDR Output Options

Level
IN



Program

35

Description

Use **Program 35-02 : SMDR Output Options** to set the SMDR (Station Message Detail Recording) output options for each of the eight SMDR ports. Refer to the following chart for a description of each option, its range and default setting.

Input Data

SMDR Port Number		1 ~ 2		
Item No.	Item	Input Data	Description	Default
01	Toll Restricted Call	0 = Not Displayed 1 = Displayed	SMDR can include or exclude calls blocked by Toll Restriction.	1
02	PBX Calls	0 = Not Displayed 1 = Displayed	When the system is behind a PBX, SMDR can include all calls (1) or just calls dialed using the PBX trunk access code (0).	1
03	Trunk Number or Name	0 = Name 1 = Number	Select whether the system should display the trunk name (0) or the number (1) on SMDR reports.  If this option is set to 1, Program 35-02-14 must be set to 0.	1
04	Summary (Daily)	0 = Not Displayed 1 = Displayed	Set this option to (1) to have the SMDR report provides a daily summary (at midnight every night).	1
05	Summary (Weekly)	0 = Not Displayed 1 = Displayed	Set this option to (1) to have the SMDR report provides a weekly summary (every Saturday at midnight).	1
06	Summary (Monthly)	0 = Not Displayed 1 = Displayed	Set this option to (1) to have the SMDR report provides a monthly summary (at midnight on the last day of the month).	1
07	Toll Charge Cost	0 = Not Displayed 1 = Displayed	Set this option to (1) have the SMDR report include toll charges.	1
08	Incoming Call	0 = Not Displayed 1 = Displayed	Enable this option (1) to have the SMDR report include incoming calls. If you disable this option (0), incoming calls do not print.	1
09	Extension Number or Name	0 = Name 1 = Number	Set this option (1) to have the SMDR report include extension numbers. Set this option (0) to have the SMDR report include extension names.	1
10	All Lines Busy (ALB) Output	0 = Not Displayed 1 = Displayed	Determine if the All Lines Busy (ALB) indication should be displayed.	0
11	Walking Toll Restriction Table Number	0 = Not Output 1 = Output		1
12	DID Table Name Output	0 = Not Displayed 1 = Displayed	Determine if the DID table name should be displayed.	0
13	CLI Output When DID to Trunk	0 = Not Displayed 1 = Displayed	Determine if the CLI output should be displayed for DID.	0
14	Date	0 = Not Displayed 1 = Displayed	Determine whether or not the date should be displayed on SMDR reports.  This option must be set to 0 if the trunk name is set to be displayed in Program 35-02-03.	0
15	CLI/DID Number Switching	0 = CLI (CLIP) 1 = DID Calling Number 2 = Calling Party Name	Determine whether or not the CLI/DID Number Switching should be displayed.	0

Item No.	Item	Input Data	Description	Default
16	Trunk Name or Received Dialed Number	0 = Trunk Port Name 1 = Received Dialed Number 2 = Both	Determine how the SMDR should print incoming calls on ANI/DNIS or DID trunks. If set to (1), ANI/DNIS trunks can print DNIS digits. If set to (0) trunk names are printed instead.	0
17	Print Account Code or Caller Name of Incoming Call	0 = ACC 1 = CNAME	Determine if SMDR should print Account Code or Caller Name of Incoming Call.	0
18	Print Mode for Caller Name of Incoming Call	0 = Normal 1 = Line Feed	Determine how SMDR should print Caller Name of Incoming Call.	0
19	Dialed Number Output Format	0 = Display from the first digit 1 = Display from the last digit	Determine if the dialed number should display from the first digits or from the last digits. This option is only available for outgoing calls.	0
20	External Information CFW Mode	0 = Transfer Information 1 = Incoming Information	Determine which information is displayed in the "STATION" area for a transferred call when the extension has Call Forward set with an Abbreviated Dial number as the destination. Selecting "0" (Transfer Info) will display the extension number which called the extension with external Call Forward set. Selecting "1" (Incoming Info) will display the extension number which has the external Call Forward set. This option only applies when Call Forward is set using a service code (Programs 11-11-01 ~ 11-11-07) and the destination uses an Abbreviated Dial bin. It does not include Off-Premise or Centrex transfers.	0
21	S-Point Terminal Number	0 = MSN Number 1 = Extension Number		0
22	Security Auto Dialing	0 = Not Output 1 = Output	Emergency call from Watch Mode. Define SMDR output on/off. Output is SAD (Security auto dialing).	1
23	Watch Auto Dialing	0 = Not Output 1 = Output	Emergency call from Remote Inspection. Define SMDR output on/off. Output is WAD (Watch auto dialing)	1

Conditions

None

Feature Cross Reference

- Station Message Detail Recording

Program 35 : SMDR Account Code Setup

35-03 : SMDR Port Assignment for Trunk Group

Level

IN

Program

35

Description

Use **Program 35-03 : SMDR Port Assignment for Trunk Group** to assign the SMDR port for each trunk group. For each Trunk Group, select the SMDR port where the incoming SMDR information should be sent.

Input Data

Trunk Group Number		01 ~ 25	
Item No.	Item	Input Data	Default
01	SMDR Port No.	1 ~ 2	1

Conditions

None

Feature Cross Reference

- Station Message Detail Recording
- Trunk Group Routing

Program 35 : SMDR Account Code Setup

35-04 : SMDR Port Assignment for Department Groups

Level
IN

Description

Use **Program 35-04 : SMDR Port Assignment for Department Groups** to assign the SMDR port for each Department Group. For each Department Group, select the SMDR port where the outgoing SMDR information should be sent.



There are 32 available Department Groups.

Input Data

Department Group Number		01 ~ 32	
Item No.	Item	Input Data	Default
01	SMDR Port No.	1 ~ 2	1

Conditions

None

Feature Cross Reference

- Station Message Detail Recording

Program

35

Program 35 : SMDR Account Code Setup

35-05 : Account Code Setup

Level

IN

Program

35

Description

Use **Program 35-05 : Account Code Setup** to set various Account Code options for an extension Class of Service. Assign a Class of Service to extensions in Program 20-06.

Input Data

Class of Service Number		01 ~ 15		
Item No.	Item	Input Data	Description	Default
01	Account Code Mode	0 = Account Codes Disabled (None) 1 = Account Codes optional 2 = Account Codes Required but not verified (No verify) 3 = Account Codes Required and Verified (Verify)	Use this option to select the Account Code Mode (0 ~ 3).	0
02	Forced Account Code Toll Call Setup	0 = Account Codes for toll and local calls (All) 1 = Account Codes just for toll calls (STD)	Use this option enable Account Codes for all calls or just toll calls (for mode 2 or 3 in Item 01 above).	0
03	Account Codes for Incoming Calls	0 = Account Codes for incoming calls disabled (No) 1 = Account Codes for incoming calls enabled (Yes)	Use this option to allow users to enter Account Codes for incoming calls. If disabled, any codes entered dial out on the connected trunk.	0
04	Hiding Account Codes	0 = Account Codes displayed 1 = Account Codes not displayed	Use this option to either hide or show the Account codes on a telephone display.	0

Conditions

None

Feature Cross Reference

- Account Code Forced/Verified/Unverified

Program 35 : SMDR Account Code Setup

35-06 : Verified Account Code Table

Level
IN

Description

Use **Program 35-06 : Verified Account Code Table** to enter Account Codes into the Verified Account Code list. You can enter up to 800 codes with 1 ~ 16 digits, using the characters 0 ~ 9 or #. Use the LK1 to enter a wild card. For example, the entry @234 means the user can enter 0234-9234.

Input Data

Verified Account Code Bin Number	1 ~ 800
----------------------------------	---------

Item No.	Item	Input Data	Default
01	Verified Account Code	1 ~ 9, 0, #, @ (@ = Wild card) (Up to 16 digits)	No setting

Conditions

None

Feature Cross Reference

- Account Codes - Forced/Verified/Unverified

Program

35

Program 40 : Voice Recording System

40-07 : Voice Prompt Language Assignment for VRS

Level
IN

Program

40

Description

Use **Program 40-07 : Voice Prompt Language Assignment for VRS** to specify the language to be used for the VRS prompts.

Input Data

Item No.	Item	Input Data	Default
01	Voice Prompt Language Assignment for VRS	01 = US English 02 = UK English 03 = Australian English 04 = French Canadian 05 = Dutch 06 = Mexican Spanish 07 = Latin America Spanish 08 = Italian 09 = German 10 = Madrid Spanish 11 = Norwegian 12 = Parisian French 13 = Brazilian Portuguese 14 = Japanese 15 = Mandarin Chinese 16 = Korean 17 = Iberian Portuguese 18 = Greek 19 = Danish 20 = Swedish 21 = Thai 22 = Mandarin Chinese (Taiwan) 23 = Flemish 24 = Turkish	3

Conditions

None

Feature Cross Reference

- Voice Mail Integration (Analog)

Program 40 : Voice Recording System

40-10 : Voice Announcement Service Option

Level
IN

Description

In **Program 40-10 : Voice Announcement Service Option** define the system options for the Voice Announcement feature.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	VRS Fixed Message	0 = Not Used 1 = Used	Enable (1) or disable (0) the system ability to play the fixed VRS messages (such as You have a message).	0	
02	General Message Number	0 ~ 100 (0 = No General Message Service)	This item assigns the VRS message number to use for the General Message.	0	
03	VRS No Answer Destination	0 ~ 25 (Incoming Ring Group Number)	This item assigns the transferred Ring Group when the VRS is unanswered after Call Forwarding with Personal Greeting Message.	0 (No Setting)	
04	VRS No Answer Time	0 ~ 64800 seconds	If an extension has Personal Greeting enabled and all VRS ports are busy, a DIL or DISA call to the extension waits this time for a VRS port to become free.	0	
05	Park and Page Repeat Timer (VRS Msg Resend)	0 ~ 64800 seconds	If a Park and Page is not picked up during this time, the Paging announcement repeats.	0	
06	Set VRS Message for Private Call Refuse (VRS Msg Private Call)	0 ~ 101 (0 = No message) (101 = Fixed message)	This item assigns the VRS Message number to be used as Private Call Refuse. When Fixed message is set, VRS message guidance is: "Your call cannot go through."	0	14-01-27
07	Set VRS Message for Caller ID Refuse (VRS Msg CID)	0 ~ 101 (0 = No message) (101 = Fixed message)	This item assigns the VRS Message number to be used as Caller ID Refuse. When Fixed Message is set, VRS message guidance is: "Your call cannot go through."	0	14-01-27
08	Call Attendant Busy Message	0 ~ 100 (0 = No message)		0	15-01-08
09	Call Attendant No Answer Message	0 ~ 100 (0 = No message)		0	15-01-09
10	Call Forward Remainder Announcement (V2.0 Added)	0 = Do not play 1 = Play	Flag that control the playback of the VRS announcements for 'on the forwarded phone'.	1	40-10-01
11	Call Forward Notification Announcement (V2.0 Added)	0 = Do not play 1 = Play	Flag that control the playback of the VRS announcements for 'towards the incoming call'.	1	40-10-01

Conditions

None

Feature Cross Reference

- Voice Response System (VRS)

Program 40 : Voice Recording System

40-11 : Preamble Message Assignment

Level
IN

Program

40

Description

In **Program 40-11 : Preamble Message Assignment** to assign the VRS message number to be used as the Preamble Message for each trunk. When the extension user answers the incoming call, the assigned VRS message is sent to the outside caller.

Input Data

Trunk Port Number		001 ~ 096	
Item No.	Day/Night Mode	VRS Message Number	Default
01	1 ~ 8	0 ~ 100 (0 = No Service)	0

Conditions

None

Feature Cross Reference

- Voice Response System (VRS)

Program 42 : Hotel Setup

42-01 : System Options for Hotel/Motel

Level
IN

Description

Use **Program 42-01 : System Options for Hotel/Motel** to assign the system options for Hotel/Motel Service.

Input Data

Item No.	Item	Input Data	Description	Default
01	Answering Message Mode for Wake Up Call (Hotel Mode)	0 = MOH (Hold Time) 1 = VAU Message 2 = VAU Message + Time		0
02	Wake Up Call Message Assignment	0 ~ 100 (0 = No setting)	VAU Message for Wake Up Calls. You must make an entry for this program if you have selected 1 or 2 in Item 01 above.	0
03	Wake Up Call No Answer	0 = No Transfer 1 = Transfer to the Operator		0
04	Setup Message Mode for Wake Up Call (Hotel Mode)	0 = Confirmation Tone 1 = VAU Message 2 = Time Stamp + VAU Message		0
05	Wake Up Call Message Assignment	0 ~ 100 (0 = No setting)		0
06	Flexible Room Status (V2.0 Added)	0 = Off 1 = On	When PRG42-01-06 is set to on, any room status change from any status can be made. Ex) Hotel Status Code 4 -> 3 Hotel Status Code 4 -> 4	0

Conditions

None

Feature Cross Reference

- Hotel/Motel

Program

42

Program 42 : Hotel Setup

42-02 : Hotel/Motel Telephone Setup

Level
IN

Program

42

Description

Use **Program 42-02 : Hotel/Motel Telephone Setup** to define the basic operation of the Hotel/Motel extensions.

Input Data

Extension Number		Up to eight digits		
Item No.	Item	Input Data	Description	Default
01	Hotel Mode	0 = Normal 1 = Hotel	If you want an extension to operate in the Hotel/Motel mode, enter 1. If you want the telephone to operate in the business mode, enter 0.	0
02	Toll Restriction Class When Check In	1 ~ 15	Assign an extension Toll Restriction Class when it is checked in. The system has 15 Toll Restriction Classes (1 ~ 15). The entry you make in this option affects the telephone in all Night Service modes. (Refer to Programs 21-05 and 21-06 to set up the Toll Restriction dialing options.) When the extension is checked out, it uses the Toll Restriction Class set in Program 21-04.	1
03	Room Status (Reference Only) (V2.0 Added)	1 = Room Clean (Occupied) 2 = Maid Required 3 = Maid in Room 4 = Inspection Required 5 = Maintenance Request 6 = Out of Order 7 = Reserve 1 8 = Reserve 2 9 = Reserve 3 0 = Room Clean (Vacant) * = Reserve 5 # = Reserve 6	This Program shows the hotel room status of each Hotel extension.	-

Conditions

None

Feature Cross Reference

- Hotel/Motel

Program 42 : Hotel Setup

42-03 : Class of Service Options (Hotel/Motel)

Level
IN

Description

Use **Program 42-03 : Class of Service Options (Hotel/Motel)** to set the Hotel/Motel Class of Service (COS) options. Assign Class of Service to extensions in Program 42-02 : Hotel/Motel Telephone Setup. There are 15 Classes of Service. Refer to the following chart for a description of each COS option, its range and default setting. For additional Class of Service options, refer to Programs 20-06.

Input Data

Class of Service Number		01 ~ 15		
Item No.	Item	Input Data	Default Class 01 ~ 15	Note
01	Check-In Operation	0 = Off 1 = On	1	
02	Check-Out Operation	0 = Off 1 = On	1	
03	Room Status Output	0 = Off 1 = On	1	
04	DND Setting for Other Extension	0 = Off 1 = On	1	
05	Wake up Call Setting for Other Extension	0 = Off 1 = On	1	
06	Room Status Change for Other Extension	0 = Off 1 = On	1	
07	Restriction Class Changing for Other Extension	0 = Off 1 = On	1	
08	Room to Room Call Restriction	0 = Off 1 = On	1	
09	DND Setting for Own Extension	0 = Off 1 = On	1	
10	Wake Up Call Setting for Own Extension	0 = Off 1 = On	1	
11	Change Room Status for Own Extension	0 = Off 1 = On	1	
12	SLT Room Monitor Enable (1) or disable (0) a single line telephone ability to use Room Monitor.	0 = Off 1 = On	1	
13	PMS Restriction Level	0 = Off 1 = On	1	

Conditions

None

Feature Cross Reference

- Class of Service
- Hotel/Motel

Program

42

Program 42 : Hotel Setup

42-04 : Hotel Mode One-Digit Service Codes

Level

IN

Program

42

Description

Use **Program 42-04 : Hotel Mode One-Digit Service Codes** to set up the Hotel Mode one-digit service codes which are assigned in 42-02-01. For each Department Calling Group (01 ~ 32), you enter the destination for each single digit code (1 ~ 9, 0, *, #). The destination can be any code with up to eight digits, such as an extension number or access code.

Input Data

Department (Extension) Group Number		01 ~ 32	
Item No.	Received Dial	Destination Number	Default
01	1 ~ 9, 0, *, #	Up to eight digits	No setting

Conditions

- The one-digit service codes you assign in this program wait until the inter-digit time expires before executing.

Feature Cross Reference

- Hotel/Motel

Program 42 : Hotel Setup

42-05 : Hotel Room Status Printer

Level
IN

Description

Use **Program 42-05 : Hotel Room Status Printer** to set the LAN port to output the Hotel Data (Check-Out sheet, Room Status, etc.) and the output options for the Hotel/ Motel feature.

Input Data

Item No.	Item	Input Data	Default
01	Output Port Type	0 = No setting 3 = LAN	0
03	Wake Up Call No Answer Data	0 = Not Output 1 = Output	0
04	Check-Out Sheet	0 = Not Output 1 = Output	0
05	PMS Protocol type	0 = Normal 1 = Fidelio	0

Conditions

- Room Status Reports can be output via LAN port.

Feature Cross Reference

- Hotel/Motel

Program

42

Program 42 : Hotel Setup

42-06 : PMS Service Setting

Level
IN

(This Program is available for V2.0 or higher)

Description

Use **PRG 42-06 : PMS Service Setting** to set the PMS integration settings when using PMS-U13 and PMS feature.

Input Data

Item No.	Item	Input Data	Description	Default
01	PMS Port Number	0 ~ 65535	Determine the TCP port the application should connect to for the integration stream.	5129
02	3:00 AM Auto Room Scan At 3:00 AM sets 'maid required' status for all checked-in rooms.	0 = Off 1 = On	Determine if the system scans the status of Hotel rooms at 3:00 AM.	0
03	CheckIn Message Type	0 = Off 1 = On	Determines whether a check-in or Out Message is sent when the action is performed on the ePBX.	0
04	CheckOut Auto Status Change	0 = Off 1 = On	Determines the room status when a room is checked out.	0
05	AREYUTHERE/LINETEST Send Timing	1 ~ 128 seconds	Defines the time that passes after any PMS message sent from the PBX that the PBX sends an AREYUTHERE message.	10
06	AREYUTHERE/LINETEST Send Count	0 ~ 20 (times)	This is the retry count for un-acknowledged AREYUTHERE messages. When this consecutive count of AREYUTHERE messages is unacknowledged, the PBX assumes the PMS link to be in-operational (off-line).	3
07	Check-Out Auto Flexible Status Change	0 = Off 1 = On	When PRG 42-06-07 and PRG 42-06-04 are set to on, the status programmed with PRG 42-06-08 can be set upon checkout regardless of the previous status.	0
08	Status for Check-Out Auto Flexible Status Change	1 = Room Clean(Occupied) 2 = Maid Required 3 = Maid in Room 4 = Inspection Required 5 = Maintenance Request 6 = Out of Order 7 = Reserve 1 8 = Reserve 2 9 = Reserve 3 0 = Room Clean(Vacant) * = Reserve 5 # = Reserve 6	When PRG 42-06-07 is set to on, the status programmed with PRG 42-06-08 can be set upon checkout.	4

Conditions

- None

Feature Cross Reference

- Hotel/Motel

Program 42 : Hotel Setup

42-07 : PMS Restriction Level Conversion Table

Level
IN

(This Program is available for V2.0 or higher)

Description

Use **PRG 42-07 : PMS Restriction Level Conversion Table** to change the default Toll Restriction class on check in for a room (PRG 42-02-02). This command translates the Toll Restriction level received from the hospitality application into a system Toll restriction Class.

Input Data

Restriction Level		0 ~ 3	
Item No.	Item	Input Data	Default
01	PMS Restriction Level Conversion Table	1 ~ 15	Level 0 = 10 Level 1 = 11 Level 2 = 12 Level 3 = 13

Conditions

None

Feature Cross Reference

- Hotel/Motel

Program 42 : Hotel Setup

42-08 : Text Message Setup for Hotel Room Status

Level
IN

(This Program is available for V2.0 or higher)

Program

42

Description

Use **Program 42-08 : Text Message Setup for Hotel Room Status** to define the text message for Hotel Room Status.

Input Data

Room Status Number		1, 2, 3, 4, 5, 6, 7, 8, 9, 0, *, #	
Room Status		0 = Check In 1 = Check Out	
Item No.	Item	Input Data	Default
01	Fidelio Room Status Number	0 ~ #	Refer to Default value.
02	Text Message Data	Maximum 32 characters	

Default

No.	Room Status	Fidelio Code	alphanumeric
			12345678901234567890123456789012
1	Check In	6	
	Check Out	5	
2	Check In	2	
	Check Out	1	
3	Check In	2	
	Check Out	1	
4	Check In	4	
	Check Out	3	
5	Check In	4	
	Check Out	3	
6	Check In	4	
	Check Out	3	
7	Check In	4	
	Check Out	3	
8	Check In	4	
	Check Out	3	
9	Check In	4	
	Check Out	3	
0	Check In	6	
	Check Out	5	
*	Check In	4	
	Check Out	3	
#	Check In	4	
	Check Out	3	

Conditions

None

Feature Cross Reference

- Hotel/Motel

Program

42

Program 42 : Hotel Setup

42-09 : Flexible Setup for Room Status

Level IN

(This Program is available for V2.0 or higher)

Program

42

Description

Use **Program 42-09 : Flexible Setup for Room Status** to enable dial room status codes. Note the code definitions only apply to the system itself.

Input Data

Room Status		1, 2, 3, 4, 5, 6, 7, 8, 9, 0, *, #	
Item No.	Item	Input Data	Default
01	Flexible Setup for Room Status	0 = Room Clean (Vacant) 1 = Room Clean (Occupied) 2 = Maid Required 3 = Maid in Room 4 = Inspection Required 5 = Maintenance Request 6 = Out of order 7 = Reserve 1 8 = Reserve 2 9 = Reserve 3 * = Reserve 5 # = Reserve 6	1 - # = None

Conditions

None

Feature Cross Reference

- Hotel/Motel

Program 44 : ARS/F-Route Setup

44-01 : System Options for ARS/F-Route

Level
IN


Program

44

Description

Use **Program 44-01 : System Options for ARS/F-Route** to define the system options for the ARS/F-Route feature.

Input Data

Item No.	Item	Input Data	Description	Default
01	ARS/F-Route Time Schedule	0 = Not Used 1 = Used	If this option is set to 0, the F-Route table selected is determined only by the digits dialed without any relation to the day or time of the call. If this option is set to 1, the system first refers to PRG 44-10. If there is a match, the pattern defined in that program is used. If not, the F-Route pattern in PRG 44-09 and time setting in 44-08 are used.	0
02	Dial Tone Simulation (V2.0 Added)	1 digit (0 ~ 9)  *, # cant be used	When first dialed digit matches with the data set in this Program, system send simulated DT to calling party after receiving first digit. Numbering plan for the dial needs to configure as F-Route at PRG 11-01.	None
03	Tone Kind (V2.0 Added)	0 = Internal DT 1 = External DT	Set simulated DT kind which can change the tone used at PRG 44-01-02 and PRG 44-02-04.	0

Conditions

None

Feature Cross Reference

- Automatic Route Selection (ARS/F-Route)

Program 44 : ARS/F-Route Setup

44-02 : Dial Analysis Table for ARS/F-Route Access

Level
IN

Description

Use **Program 44-02 : Dial Analysis Table for ARS/F-Route Access** to set the Pre-Transaction Table for selecting ARS/F-Route.

Input Data

Dial Analysis Table Number			001 ~ 120	
Item No.	Item	Input Data	Description	Default
01	Dial	Up to eight digits (Use line key 1 for a Don't Care digit, @)	Set the number of digits to be analyzed by the system for ARS routing.	No Setting
02	Service Type	0 = No setting (None) 1 = Extension Call (Own) 2 = ARS/F-Route Table (F-Route) 3 = Dial Extension Analyze Table (Option)	•Service Type 1 (Extension Number) The number goes to an extension after deleting the front digit(s). <i>Additional Data</i> Assign the digit(s) to be deleted on top of the number for extension number usage. At least one digit must be deleted. •Service Type 2 (ARS/F-Route) The number is controlled by ARS/F-Route table. <i>Additional Data:</i> If the ARS/F-Route Time Schedule is not used, assign the ARS/F-Route table number for Program 44-05. If the ARS/F-Route Time Schedule is used, assign the ARS/F-Route selection number for Program 44-04. •Service Type 3 (Dial Extension Analyze Table) The total length of the number exceeds more than 8 digits. <i>Additional Data:</i> Assign the Dial Extension Analysis Table number to be used in Program 44-03.	0
03	Additional Data	1 = Delete Digit = 0 ~ 255 (255 = Delete All Digits) 2 = 0 ~ 100 (0 = No setting) 3 = Dial Extension Analyze Table Number = 0 ~ 4 (0 = No setting)	For the Service Type selected in 44-02-02, enter the additional data required. •1 : Delete Digit = 0 ~ 255 (255 = Delete All Digits) •2 : [Program 44-01 : 0] ARS/F-Route Table Number = 0 ~ 100 (0 = No setting) Refer to Program 44-05. [Program 44-01 : 1] ARS/F-Route Select Table Number = 0 ~ 100 (0 = No setting) Refer to Program 44-04. •3 : Dial Extension Analyze Table Number = 0 ~ 4 (0 = No setting) Refer to Program 44-03.	0
04	Dial Tone Simulation	0 = Off 1 = On	If enabled, this option sends dial tone to the calling party after the routing is determined. This may be required if the central office at the destination does not send dial tone.	0

Conditions

None

Feature Cross Reference

- Automatic Route Selection (ARS/F-Route)

Program

44

Program 44 : ARS/F-Route Setup

44-03 : Dial Analysis Extension Table

Level
IN

Description

When Program 44-02-02 is set to type 3, use **Program 44-03 : Dial Analysis Extension Table** to set the dial extension analysis table. These tables are used when the analyzed digits must be more than eight digits. If the received digits do not match the digits set in tables 1 ~ 250, table number 252 is used to refer to the next Extension Table Area (1 ~ 4) to be searched. If the received digits are not identified in tables 1 ~ 250, the F-Route selection table number defined in table 251 is used.

Input Data

Extension Table Area Number	1 ~ 4
Dial Analysis Table Number	1 ~ 252

Dial Analysis Table Number : 1 ~ 250

Item No.	Item	Input Data	Default
01	Dial	Up to 36 digits Digits = 1 ~ 9, 0, *, #, @ (Press Line Key 1 for wild character @)	No Setting
02	ARS/F-Route Select Table Number	0 ~ 100 (ARS/F-Route Table Number) With Program 44-01 set to 0, Program 44-05 is checked. With Program 44-01 set to 1, Program 44-04 is checked.	0

Dial Analysis Table Number : 251

Item No.	Item	Input Data	Default
03	ARS/F-Route Select Table Number	0 ~ 100 (ARS/F-Route Table Number) With Program 44-01 set to 0, Program 44-05 is checked. With Program 44-01 set to 1, Program 44-04 is checked.	0

Dial Analysis Table Number : 252

Item No.	Item	Input Data	Default
04	Next Table Area Number	0 ~ 4	0

Conditions

None

Feature Cross Reference

- Automatic Route Selection (ARS/F-Route)

Program

44

Program 44 : ARS/F-Route Setup

44-04 : ARS/F-Route Selection for Time Schedule

Level

IN

Program

44

Description

Use **Program 44-04 : ARS/F-Route Selection for Time Schedule** to assign each ARS/ F-Route Selection number to an ARS/F-Route table number for each ARS/F-Route time mode. There are eight time modes for ARS/F-Route Access.

Input Data

ARS/F-Route Selection Number		001 ~ 100	
Item No.	ARS/F-Route Time Mode	ARS/F-Route Table Number	Default
01	1 ~ 8	0 ~ 100 (0 = No Service)	0

Conditions

None

Feature Cross Reference

- Automatic Route Selection (ARS/F-Route)

Program 44 : ARS/F-Route Setup

44-05 : ARS/F-Route Table

Level
IN

Description

Use **Program 44-05 : ARS/F-Route Table** to set the ARS/F-Route table. There are four kinds of order. If the higher priority trunk groups are busy, the next order group is used. If a lower priority route is selected, the caller may be notified with a beep tone.

Input Data

ARS/F-Route Table Number	001 ~ 100
--------------------------	-----------

Priority Number	1 ~ 4
-----------------	-------

Item No.	Item	Input Data	Description	Default
01	Trunk Group Number	0 = No setting 1 ~ 25 = Trunk Group 255 = Extension Call	Select the trunk group number to use for the outgoing ARS call.	0
02	Delete Digits	0 ~ 255 (255 = Delete All)	Enter the number of digits to be deleted from the dialed number.	0
03	Additional Dial Number Table	0 ~ 100	Enter the table number (defined in Program 44-06) for additional digits to be dialed.	0
04	Beep Tone	0 = Off 1 = On	Select whether or not a beep is heard if a lower priority trunk group is used to dial out.	0
05	Gain Table Number for Internal Calls	0 ~ 100 0 = No setting	Select the gain table number to use for the internal call (defined in Program 44-07).	0
06	Gain Table Number for Tandem Connections	0 ~ 100 0 = No setting	Select the gain table number to use for the tandem call (defined in Program 44-07).	0
07	ARS Class of Service	0 ~ 16	Select the ARS Class of Service to use for the table. An extension ARS COS is determined in Program 26-04-01.	0
08	Dial Treatment	0 ~ 15	Select the Dial Treatment to use for the table. If a Dial Treatment is selected, Programs 44-05-02 and 44-05-03 are ignored and the Dial Treatment defined in Program 26-03-01 is used instead.	0
09	Maximum Digit	0 ~ 24	Input the maximum number of digits to send when using the F-Route.	0
11	Network Specified Parameter Table	0 ~ 16	Enter a table number from Program 26-12.	0

Conditions

None

Feature Cross Reference

- Automatic Route Selection (ARS/F-Route)

Program

44

Program 44 : ARS/F-Route Setup

44-06 : Additional Dial Table

Level

IN

Program

44

Description

Use **Program 44-06 : Additional Dial Table** to set the additional dial table to add prior to the dialed ARS/F-Route number. The Additional Dial Table used is determined in Program 44-05-03.

Input Data

Additional Dial Table Number	001 ~ 100
------------------------------	-----------

Item No.	Item	Input Data	Default
01	Additional Dial	Up to 36 digits Enter : 1 ~ 9, 0, *, #, Pause (press LK 1 to enter a pause)	No setting

Conditions

None

Feature Cross Reference

- Automatic Route Selection (ARS/F-Route)

Program 44 : ARS/F-Route Setup

44-07 : Gain Table for ARS/F-Route Access

Level
IN

Description

Use **Program 44-07 : Gain Table for ARS/F-Route Access** to set the gain/PAD table. If an extension dials ARS/F-Route number:

- The Extension Dial Gain Table, assigned in Program 44-05, is activated.
- The Extension Dial Gain Table follows Outgoing transmit and Outgoing receive settings.

If the incoming call is transferred to another line using ARS/F-Route:

- The Tandem Gain Table, assigned in Program 44-05, is activated.
- The Tandem Gain Table follows the Incoming transmit and Incoming receive settings for incoming line, and Outgoing transmit and Outgoing receive settings for the outgoing line.



For ARS/F-Route calls, the CODEC gains defined in Programs 14-01-02 and 14-01-03 are not activated.

Input Data

Gain Table Number		001 ~ 100	
Item No.	Item	Input Data	Default
01	Incoming Transmit	1 ~ 63 (- 15.5 dB ~ + 15.5 dB)	32 (0 dB)
02	Incoming Receive	1 ~ 63 (- 15.5 dB ~ + 15.5 dB)	32 (0 dB)
03	Outgoing Transmit	1 ~ 63 (- 15.5 dB ~ + 15.5 dB)	32 (0 dB)
04	Outgoing Receive	1 ~ 63 (- 15.5 dB ~ + 15.5 dB)	32 (0 dB)

Conditions

None

Feature Cross Reference

- Automatic Route Selection (ARS/F-Route)

Program

44

Program 44 : ARS/F-Route Setup

44-08 : Time Schedule for ARS/F-Route

Level
IN

Program

44

Description

Use **Program 44-08 : Time Schedule for ARS/F-Route** to define the daily pattern of the ARS/F-Route feature. ARS/F-Route has 10 time patterns. These patterns are used in Programs 44-09 and 44-10. The daily pattern consists of 20 time settings.

Input Data

Schedule Pattern Number				01 ~ 10
Item No.	Time Number	Start Time	End Time	Mode
01	01 ~ 20	0000 ~ 2359	0000 ~ 2359	1 ~ 8

Default

All Schedule Patterns = 0 : 00 - 0 : 00, Mode 1

Example :

Pattern 1

0:00	8:00	18:00	22:00	0:00
Mode 3	Mode 1	Mode 2	Mode 3	

Time Number 01 = 00 : 00 - 08 : 00 Mode 3

Time Number 02 = 08 : 00 - 18 : 00 Mode 1

Time Number 03 = 18 : 00 - 22 : 00 Mode 2

Time Number 04 = 22 : 00 - 00 : 00 Mode 3

Pattern 2

0:00	0:00
Mode 2	

Time Number 01 = 00 : 00 - 00 : 00 Mode 2

Conditions

None

Feature Cross Reference

- Automatic Route Selection (ARS/F-Route)

Program 44 : ARS/F-Route Setup

44-09 : Weekly Schedule for ARS/F-Route

Level
IN

Description

Use **Program 44-09 : Weekly Schedule for ARS/F-Route** to define a weekly schedule for using ARS/F-Route. The pattern number is defined in Program 44-08-01.

Input Data

Item No.	Day Number	Schedule Pattern Number	Default
01	1 = Sunday	0 ~ 10 (0 = No setting)	Pattern 1
	2 = Monday		
	3 = Tuesday		
	4 = Wednesday		
	5 = Thursday		
	6 = Friday		
	7 = Saturday		

Conditions

None

Feature Cross Reference

- Automatic Route Selection (ARS/F-Route)

Program

44

Program 44 : ARS/F-Route Setup

44-10 : Holiday Schedule for ARS/F-Route

Level
IN

Program

44

Description

Use **Program 44-10 : Holiday Schedule for ARS/F-Route** to define a yearly schedule for ARS/F-Route. This schedule is used for setting special days such as national holidays. The pattern number is defined in Program 44-08-01.

Input Data

Item No.	Date	Schedule Pattern Number	Default
01	0101 ~ 1231	0 ~ 10 (0 = No setting)	0

Conditions

None

Feature Cross Reference

- Automatic Route Selection (ARS/F-Route)

Program 45 : Voice Mail Integration

45-01 : Voice Mail Integration Options

Level
IN

Description

Use **Program 45-01 : Voice Mail Integration Options** to customize certain voice mail integration options.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	Voice Mail Department Group Number	0 ~ 32 0 = No Voice Mail	Assign which Extension (Department) Group number is to be assigned as the voice mail group.	0	
02	Voice Mail Master Name	Up to 12 Characters	Enter the Voice Mail Master Name.	VOICE MAIL	
03	Voice Mail Call Screening	0 = Off 1 = On	Enable/disable the ability to process the Call Screening commands (1 + extension number) sent from the Voice Mail. You should normally enable this option to allow for Voice Mail Call Screening. Disable this option if your system has been modified so that extensions begin with the digit 1 (e.g., 101, 102, etc.). Also see the "Flexible System Numbering" feature.	0	45-01-11
04	Park and Page	0 = Off 1 = On	Enable/disable the system ability to process the Voice Mail Park and Page (*) commands. You should normally enable this option.	1	45-01-12
05	Message Wait	0 = Off 1 = On	Enable/disable the system ability to process the Voice Mail Message Wait (#) commands. You should normally enable this option. If enabled, be sure that the programmed Message Notification strings don't contain the code for trunk access.	1	45-01-13
06	Record Alert Tone Interval Time	0 ~ 64800 seconds	This time sets the interval between Voice Mail Conversation Record alerts.	0 seconds	
10	New NSL Protocol support	0 = Off 1 = On		0	
11	Prefix for Call Screening	Dial (One digit)		1	45-01-03
12	Prefix for Park and Page	Dial (One digit)		*	45-01-04
13	Prefix for Message Wait	Dial (One digit)		#	45-01-05
15	Analog Voice Mail Protocol Selection	0 = Fixed 1 = Program	Assigns whether fixed codes are used or the codes used in Program 45-04 are used for analog voice mail protocol.	0	45-04 11-11-50/51
16	Voice Mail Fax Digit Add Assignment	Up to four digits	Assign up to four digits in front of the station number sent to the SLT port when a call is forwarded.	No Setting	15-03-16
17	Reply Mailbox Number	0 = No 1 = Yes	Whether or not to include the mailbox number in the analog voice mail protocol.	1	45-04
18	Trunk Number Mapping	2 ~ 3	Assign the digits of trunk number mapping.	2	

Program

45

Conditions

None

Feature Cross Reference

- Voice Mail Integration (Analog)

Program 45 : Voice Mail Integration

45-02 : NSL Option Setup

Level
SA

Description

Use **Program 45-02 : NSL Option Setup** to setup the NSL options for Voice Mail integration.

Input Data

Item No.	Item	Input Data	Default
01	Send DTMF tone or 6KD message	0 = Send DTMF tone to SLT-VM port 1 = Send 6KD message to Serial port	1
03	Send 51A Message	0 = Off 1 = On	1
05	Send 4PM message	0 = Off 1 = On	0

Conditions

None

Feature Cross Reference

None

Program

45

Program 45 : Voice Mail Integration

45-04 : Voice Mail Digit Add Assignment

Level
IN

Description

Use **Program 45-04 : Voice Mail Digit Add Assignment** to define the digits to add.

Input Data

Item No.	Item	Input Data	Default	Related Program
01	Remote Logon (Internal)	Up to four digits	None	45-01-15
02	Direct Logon	Up to four digits	None	45-01-15
03	Transfer Message	Up to four digits	None	45-01-15
04	Forward-All	Up to four digits	None	45-01-15
05	Forward-Busy	Up to four digits	None	45-01-15
06	Forward RNA	Up to four digits	None	45-01-15
07	Remote Logon	Up to four digits	None	45-01-15
08	Conversation Recording	Up to four digits	None	45-01-15
09	Clear Down String	Up to four digits	None	45-01-15

Conditions

None

Feature Cross Reference

None

Program 45 : Voice Mail Integration

45-05 : Voice Mail Send Protocol Signal Without Additional Digits

Level
IN

Program

45

Description

Use **Program 45-05 : Voice Mail Send Protocol Signal Without Additional Digits** to send trunk number and/or station number information if integrating to Voice Mail when Program 45-04-XX is left blank and 45-01-15 is set to "Program".

Input Data

Item No.	Item	Input Data	Default	Related Program
01	Remote Log-On Internal	0 = Off 1 = On	0	45-01-15 45-04-01
02	Direct Log-On	0 = Off 1 = On	0	45-01-15 45-04-02
03	Transfer Message/QVM	0 = Off 1 = On	0	45-01-15 45-04-03
04	Forward-All	0 = Off 1 = On	0	45-01-15 45-04-04
05	Forward-Busy	0 = Off 1 = On	0	45-01-15 45-04-05
06	Forward RNA	0 = Off 1 = On	0	45-01-15 45-04-06
07	Remote Log-On	0 = Off 1 = On	0	45-01-15 45-04-07
08	Conversation Recording	0 = Off 1 = On	0	45-01-15 45-04-08
09	Clear Down String	0 = Off 1 = On	0	45-01-15 45-04-09

Conditions

None

Feature Cross Reference

None

Program 47 : InMail

47-01 : InMail System Options


Level
IN

Program

Description

Use **Program 47-01 : InMail System Options** to set up the InMail system-wide options.

Input Data

Item No.	Item	Input Data	Description	Default
02	InMail Master Name	Up to 12 characters	(MasterName) The CPU must be reset for a change to this program to take effect. Use this option to modify the name for all InMail ports. The system briefly displays this name when a display multiline terminal user calls a Voice Mail port (either by pressing Message, their voice mail key, or by dialing the master number). You should always end the name with the ## characters. The system substitutes the port number for the last #. Using the default name InMail ##, for example, the telephone display shows InMail #1 when calling port 1.	InMail ## (The system substitutes the port number for the # when calling the port.)
03	Subscriber Message Length	1 ~ 4095 seconds	(Subs Msg Length) Use this option to set the maximum length of recorded messages for: <ul style="list-style-type: none"> •Subscriber Mailbox users dialing RS to record and send a message. •Extension users leaving a message in a Subscriber Mailbox. •Outside Automated Attendant callers accessing a mailbox via a GOTO command and then dialing RS to record and send a message. •Subscriber Mailbox Greetings. •Announcement Messages. •Call Routing Mailbox Instruction Menus.  <i>The length of a Conversation Record is 10 times the Subscriber Message Length. Since the Conversation Record time cannot exceed 4095 seconds, any setting in Subscriber Message Length larger than 409 has no effect on the length of recorded conversations.</i>	120 seconds
04	Non-Subscriber Message Length	1 ~ 4095 seconds	(Mbox Msg Length) Use this option to set the maximum length of recorded messages for: <ul style="list-style-type: none"> •Automated Attendant callers leaving a message or Quick Message in a Subscriber Mailbox. •Outside callers transferred by an extension user to a Subscriber Mailbox. 	120 seconds
05	Message Backup/Go Ahead Time	1 ~ 6015 seconds	(Msg Bkup/Adv Time) Use this option to set the backup/ go ahead time. This time sets how far InMail backs up when a user dials B while listening to a message. This interval also sets how far InMail jumps ahead when a user dials G while listening to a message.	5 seconds

Item No.	Item	Input Data	Description	Default
07	Digital Pager Callback Number	Digits (12 maximum, using 0 ~ 9, # and*) M (Number of messages - entered by pressing LK1) X (Extension number - entered by pressing LK2) InMail automatically replaces the X command with the number of the extension that initially received the message.	(Pager CBack) Use this option to set the Digital Pager Callback Number portion of the Message Notification callout number for a digital pager. This is the portion of the callout number that is appended to the pager service telephone number. Normally, this option should be X*M#, where: • X is the number of the extension that generated the notification. • * is a visual delimiter (to make the pager display easier to read). • M is the number of new messages in the extension mailbox. • # is the digit normally used by the pager service for positive disconnect.	X*M#
08	Delay in Dialing Digital Pager Callback Number	0 ~ 99 seconds	(Pager Dial Delay) Use this option to set the delay (0 ~ 99 seconds) that occurs just before InMail dials the Digital Pager Callback Number portion of the Message Notification callout number for a digital pager. Set this delay so the pager service has enough time to connect to the digital pager before sending the callback number. Your pager service may be able to help you determine the best value for this option (0 ~ 99 seconds). By default, this option is 9 seconds. When placing a digital pager notification, the system: Seizes the trunk specified. Dials the user-entered notification number (in Message + OP + N). Waits the 47-01-08: Delay in Dialing Digital Pager Callback Number interval. Dials the number entered in 47-01-07: Digital Pager Callback Number. The system assumes that the notification number completes dialing approximately 4 seconds after trunk seizure. This means that, by default, the Digital Pager Callback Number is dialed into the pager service about 13 seconds after trunk seizure.	30 seconds
09	Wait Between Digital Pager Callout Attempts	1 ~ 255 minutes	(Notify Pager Intvl) Use this option to set the minimum time (1 ~ 255 minutes) between unacknowledged or unanswered digital pager Message Notification callouts. (A subscriber acknowledges a digital pager notification by logging onto their mailbox.) After this time expires, InMail tries the callout again (for up to the number of times set in 47-01-14: Number of Callout Attempts). If the system dials the callout number and the pager service is busy, it retries the number in one minute.	15 minutes
10	Wait Between Non-Pager Callout Attempts	1 ~ 255 minutes	(Notify N-Pgr Intvl) Use this option to set the minimum time (1 ~ 255 minutes) between non-pager Message Notification callouts in which the destination answers, says Hello, dials 1 to acknowledge and then enters the wrong security code.	20 minutes
11	Wait Between Busy Non-Pager Callout Attempts	1 ~ 255 minutes	(Notify Busy Intvl) Use this option to set how long InMail waits (1 ~ 255 minutes) after it dials a busy non-pager callout destination, before retrying the callout number.	15 minutes

Item No.	Item	Input Data	Description	Default
12	Wait Between RNA Non-Pager Callout Attempts	1 ~ 255 minutes	(Notify RNA Intvl) Use this option to set how long InMail waits (1 ~ 255 minutes), after it dials an unanswered non-pager callout destination, before retrying the callout number. There are 3 types of unanswered non-pager callouts: <ul style="list-style-type: none"> • If the callout rings the destination longer than the 47-01-13: Wait for Answer Non-Pager Callout Attempts option. • If the destination answers, says Hello (or the system detects answer supervision) and then hangs up without dialing 1 to log onto their mailbox. This typically happens if someone unfamiliar with notification answers the callout, or if the callout is picked up by an answering machine. • If the destination answers and then hangs up without saying Hello. This typically happens if someone unfamiliar with the notification answers the callout (like the above example), or if the call is picked up by an answering machine with insufficient outgoing message volume. 	30 minutes
13	Number of RNA rings (V1.5 Changed)	1 ~ 99 rings	If a non-pager callout rings the destination longer than this interval (1 ~ 99 rings), InMail marks the call as unanswered (Ring No Answer) and hangs up.	5 rings
14	Number of Cascading Attempts (V1.5 Changed)	1 ~ 99 rings	Use this option to set how many times (1 ~ 99 rings) InMail retries an incomplete Message Notification callout. This total includes unacknowledged callouts, callouts to a busy destination, and callouts to an unanswered destination. This option applies to pager and non-pager callouts.	1 ring
15	Send Pager Callout Until Acknowledged	0 = No (Disabled) 1 = Yes (Enabled)	(Retry Until Ack) When this option is enabled (1), InMail continues to retry a digital pager Message Notification callout until the notification is acknowledged. If this option is disabled (0), InMail retries a digital pager Message Notification the number of times specified in 47-01-14 Number of Callout Attempts. This option does not apply to Message Notification callouts to telephone numbers. A digital pager notification is considered acknowledged when the recipient logs onto the mailbox.	0
16	Name Format	0 = First-Last 1 = Last-First	Specify if names are displayed in First-Last format or Last-First.	0
17	InMail Port	0 ~ 105 (V2.0 Changed)	The first port of InMail must start with one of the following ports: 5, 9, 13, 17, 21, 25, 29, 33, 37, 41, 45, 49, 53, 57, 61, 65, 69, 73, 77, 79, 81, 85, 89, 93, 97, 101, 105 and uses the first port assigned + next three consecutive ports	0
18	Play PAD Control	1 ~ 63 (- 15.5 dBm ~ + 15.5 dBm)		32
19	Record PAD Control (for Networking)	1 ~ 63 (- 15.5 dBm ~ + 15.5 dBm)		32

Conditions

- When changing 47-01-01 or 47-01-02, a system reset is required for the new setting to take effect.

Feature Cross Reference

None

Program 47 : InMail

47-02 : InMail Station Mailbox Options

Level
IN

Program

Description

Use **Program 47-02 : InMail Station Mailbox Options** to set up a station/extension mailbox. Station mailboxes are automatically assigned as Subscriber Mailboxes. Normally, InMail Station Mailbox numbers 1 ~ 64 should correspond to extensions 101-164.



Station Mailboxes are one of three mailbox categories: Station, Routing, or Master. You can also set up Master Mailboxes as Subscriber Mailboxes.

Input Data

Station Mailbox Number			001 ~ 120	
Item No.	Item	Input Data	Description	Default
01	Mailbox Type	0 = None 1 = Personal 2 = Group	Use this option to enable or disable the mailbox. An extension mailbox is not accessible when it is disabled (even though its stored messages and configuration are retained in memory.) If disabled, a user pressing Message initiates a remote logon and is asked to enter their mailbox number. A voice prompt then announces: "That mailbox does not exist." To make programming easier, consider associating a mailbox number with a station port. For example, mailbox 1 could correspond to port 1, which in turn corresponds to extension 101.	Mailbox 1 ~ 64 : 1 Mailbox 65 ~ : 0
02	Mailbox Number	Up to eight digits	Use this option to select the extension number associated with the mailbox you are programming. Normally, mailbox 1 should use Mailbox Number 101, mailbox 2 should use Mailbox Number 201, 101 etc. To make programming easier, consider associating a mailbox number with a station port. For example, mailbox 1 could correspond to port 1, which in turn corresponds to extension 101.	Mailbox 1 = 101 Mailbox 2 ~ 64 = 102 ~ 164 Mailbox 65 ~ = No Setting
03	Number of Messages	0 ~ 99 messages To conserve storage space, enter 0 for all unused mailboxes.	Use this option to set the maximum number of messages that can be left in the Subscriber Mailbox. If a caller tries to leave a message after this limit is reached, they hear : "That mailbox is full." InMail then hangs up.	Mailbox 1 = 99 Mailbox 2 ~ = 20
04	Message Playback Order	0 (FIFO = first-in/first-out, or oldest messages first). 1 (LIFO = last-in/first-out, or newest messages first)	Use this option to set the Subscriber Mailbox message playback order. When a subscriber listens to their messages, InMail can play the oldest messages first (first-in/first-out, or FIFO), or the newest messages first (last-in/first-out, or LIFO).	0

Item No.	Item	Input Data	Description	Default
05	Auto Erase/Save of Messages	0 = Erase After the subscriber listens to the entire new message and hangs up, InMail erases the message. 1 = Save After the subscriber listens to the entire new message and hangs up, InMail saves the message.	Use this option to determine what happens when a Subscriber Mailbox user completely listens to a new message and then exits the mailbox without either saving (SA) or erasing (E) the message. Depending on the setting of this option, InMail either automatically saves or erases the message. If the mailbox user hangs up before listening to the entire new message, InMail retains the message as a new message.	1
06	Message Retention	0 ~ 99 Days (0 = Indefinite)	Use this option to determine how long a Subscriber Mailbox retains held and saved messages. If a message is left in a Subscriber Mailbox longer than this interval, InMail deletes it.	0
07	Recording Conversation Beep	0 = No (Disabled) 1 = Yes (Enabled)	(Rec Conv Beep) Use this option to enable or disable the Conversation Record beep. If enabled, all parties on a call hear the voice prompt "Recording", followed by a single beep when the extension user initiates Conversation Record. If disabled, the voice prompt and beep do not occur. When you disable the Conversation Record beep, the following voice prompts do not occur while InMail records the conversation: Recording (followed by a beep) That mailbox is full (if the mailbox message storage capacity is reached) You have reached the recording limit (if the recorded message is too long) Provides an additional Conversation Record beep. This beep repeats according to the setting of Program 45-01-06 : Voice Mail Integration Options : Record Alert Tone Interval Time (0 ~ 64800 seconds). To disable the Conversation Record beep, enter 0 for this option.	1
08	Message Waiting Lamp	0 = No (Disabled) 1 = Yes (Enabled)	(Update MW Lamp) Use this option to enable or disable Message Waiting lamping at the extension associated with the Subscriber mailbox. For Subscriber Mailboxes, you should leave this option enabled. For Guest Mailboxes, you should leave this option disabled.	1
09	Auto Attendant Direct to Voice Mail	0 = No (Disabled) 1 = Yes (Enabled)	(Auto-ATT DND) Use this option to enable or disable Auto Attendant Do Not Disturb. When a subscriber enables Auto Attendant Do Not Disturb, an Automated Attendant caller routes directly to the mailbox, hears the greeting, and is asked to leave a message. A subscriber can also enable Auto Attendant Do Not Disturb while recording their mailbox greeting.	0
10	Forced Unscreened Transfer	0 = No (Disabled) 1 = Yes (Enabled)	(Forced UTRF) Use this option to enable or disable Automated Attendant Forced Unscreened Transfer for the Subscriber Mailbox. If enabled, each Screened Transfer (TRF) to the extension is converted to an Unscreened Transfer (UTRF). If disabled, Screened Transfers from the Automated Attendant occur normally.	0

Item No.	Item	Input Data	Description	Default
11	Auto Time Stamp	0 = No (Disabled) 1 = Yes (Enabled)	Use this option to enable or disable Auto Time Stamp for the Subscriber Mailbox. If enabled, after the subscriber listens to a message InMail announces the time and date the message was left. Auto Time Stamp also announces the message sender (if known). A subscriber can also enable Auto Time Stamp from their mailbox.	0
12	System Administrator	0 = No (Disabled) 1 = Yes (Enabled)	Use this option to designate the Subscriber Mailbox as a System Administrator. This allows the subscriber to use the SA options after logging onto their mailbox.	Mailbox 1 (101) = 1 Mailbox 2 ~ = 0
13	Dialing Option	0 = No (Disabled) 1 = Yes (Enabled)	Dialing Option provides additional dialing options for Next Call Routing Mailbox calls (see Next Call Routing Mailbox below). If enabled, a caller who accesses the Subscriber Mailbox to leave a message can dial any of the options in the Next Call Routing Mailbox Dial Action Table. If disabled, the caller can dial only 0 (to use the Next Call Routing Mailbox 0 action).	0
14	Next Call Routing Mailbox	Call Routing Mailbox Number (1 ~ 3 digits, 00 ~ 32) (00 = Undefined) No entry (Entered by pressing CLEAR)	(Next CR Mbox) Use this option to assign a Next Call Routing Mailbox to the Subscriber Mailbox. This provides callers with additional dialing options while listening to a Subscriber Mailbox recorded or default greeting. The digits the caller can dial depend on the setting of the Next Call Routing Mailbox and Alternate Next Call Routing Mailbox options.	1
15	Directory List Number	0 = None 1 ~ 8 = List Number * = All		0
16	Voice Prompt Language	Refer to 47-02-16 Default Table.		Station Mailbox Number 3
17	Enable Paging	0 = No (Disabled) 1 = Yes (Enabled)		0
18	Paging Option	0 = RNA 1 = Immediately		0
19	Telephone User Interface Type	0 = Numeric 1 = Mnemonic		0
20	Enable E-mail Notification	0 = No 1 = Yes		0
21	E-mail Address	Up to 48 characters		No Setting
22	Include Message as Attachment	0 = No 1 = Yes		1
23	All Message Notification Enabled	0 = No 1 = Yes		1
24	All Find-Me Follow-Me Enabled	0 = No 1 = Yes		0
25	Security Code Option	0 = Always 1 = Remote Logon only		0
26	Auto Play (V1.5 Added)	0 = Disabled 1 = Enable		0
27	Email message Save/Delete Option (V1.5 Added)	0 = No Change 1 = Save 2 = Delete		0

Table 2-8 47-02-16 Default Table

Item	Name	Input Data
47-02-16	Voice Prompt Language	01 = US English
		02 = UK English
		03 = Australian English
		04 = French Canadian
		05 = Dutch
		06 = Mexican Spanish
		07 = Latin American Spanish
		08 = Italian

Item	Name	Input Data
		09 = German
		10 = Madrid Spanish
		11 = Norwegian
		12 = Parisian French
		13 = Brazilian Portuguese
		14 = Japanese
		15 = Mandarin Chinese
		16 = Korean
		17 = Iberian Portuguese
		18 = Greek
		19 = Danish
		20 = Swedish
		21 = Thai
		22 = Mandarin Chinese (Taiwan)
		23 = Flemish
		24 = Turkish

Conditions

None

Feature Cross Reference

None

Program 47 : InMail

47-03 : InMail Group Mailbox Options

Level
IN

Program

47

Description

Use **Program 47-03 : InMail Group Mailbox Options** to set up the 32 Group Mailboxes (01 ~ 32). A Group Mailbox is used for Department Group overflow and can be a Subscriber or Call Routing.

Input Data

Group Mailbox Number			01 ~ 32	
Item No.	Item	Input Data	Description	Default
02	Mailbox Number	Up to eight digits No setting (entered by pressing Hold)	(Mailbox Number) The Group Mailbox Number is the same as the Department Group master (pilot) number. Use this option to select the Department Group master (pilot) number associated with the Group Mailbox you are programming.	No Setting
03	Mailbox Type	0 = None 1 = Subscriber 2 = Routing	(Mailbox Type) Use this option to set the Group Mailbox type. There are three types of InMail mailboxes : None (0), Subscriber (1) and Routing (2).	1
03	Routing Mailbox Number	01 ~ 32		1

Conditions

None

Feature Cross Reference

None

Program 47 : InMail

47-06 : Group Mailbox Subscriber Options

Level
IN

Description

Use **Program 47-06 : Group Mailbox Subscriber Options** to set up a Master Mailbox assigned as a Subscriber Mailbox in 47-03-03 : Master Mailbox Type.

Input Data

Group Mailbox Number			01 ~ 32	
Item No.	Item	Input Data	Description	Default
01	Number of Messages	00 ~ 99 messages To conserve storage space, enter 0 for all unused mailboxes.	Use this option to set the maximum number of messages that can be left in the Subscriber Mailbox. If a caller tries to leave a message after this limit is reached, they hear, "That mailbox is full." InMail then hangs up.	20
02	Message Playback Order	0 (FIFO = first-in/first-out, or oldest messages first). 1 (LIFO = last-in/first-out, or newest messages first).	Use this option to set the Subscriber Mailbox message playback order. When a subscriber listens to their messages, InMail can play the oldest messages first (first-in/first-out, or FIFO), or the newest messages first (last-in/first-out, or LIFO).	0
03	Auto Erase/Save of Messages	0 = Erase After the subscriber listens to the entire new message and hangs up, InMail erases the message. 1 = Save After the subscriber listens to the entire new message and hangs up, InMail saves the message.	Use this option to determine what happens when a Subscriber Mailbox user completely listens to a new message and then exits the mailbox without either saving (SA) or erasing (E) the message. Depending on the setting of this option, InMail either automatically saves or erases the message. If the mailbox user hangs up before listening to the entire new message, InMail retains the message as a new message.	1
04	Message Retention	0 ~ 90 days (0 = Indefinite)	Use this option to determine how long a Subscriber Mailbox retains held and saved messages. If a message is left in a Subscriber Mailbox longer than this interval, InMail deletes it.	0
05	Recording Conversation Beep	0 = No (Disabled) 1 = Yes (Enabled)	(Rec Conv Beep) Use this option to enable or disable the Conversation Record beep. If enabled, all parties on a call hear the voice prompt "Recording", followed by a single beep when the extension user initiates Conversation Record. If disabled, the voice prompt and beep do not occur. When you disable the Conversation Record beep, the following voice prompts do not occur while InMail records the conversation: Recording (followed by a beep) That mailbox is full (if the mailbox message storage capacity is reached) You have reached the recording limit (if the recorded message is too long) Provides an additional Conversation Record beep. This beep repeats according to the setting of Program 45-01-06 : Voice Mail Integration Options : Record Alert Tone Interval Time (0 ~ 64800 seconds). To disable Conversation Record beep, enter 0 for this option.	1

Program

47

Item No.	Item	Input Data	Description	Default
06	Message Waiting Lamp	0 = No (Disabled) 1 = Yes (Enabled)	(Update MW Lamp) Use this option to enable or disable Message Waiting light at the extension associated with the Subscriber mailbox. For Subscriber Mailboxes, you should leave this option enabled. For Guest Mailboxes, you should leave this option disabled.	1
07	Auto Attendant Direct to Voice Mail	0 = No (Disabled) 1 = Yes (Enabled)	Use this option to enable or disable Auto Attendant Direct to VM. When a subscriber enables Auto Attendant Direct to VM, an Automated Attendant caller routes directly to the mailbox, hears the greeting, and is asked to leave a message. A subscriber can also enable Auto Attendant Direct to VM while recording their mailbox greeting.	0
08	Forced Unscreened Transfer	0 = No (Disabled) 1 = Yes (Enabled)	(Forced UTRF) Use this option to enable or disable Automated Attendant Forced Unscreened Transfer for the Subscriber Mailbox. If enabled, each Screened Transfer (TRF) to the extension is converted to an Unscreened Transfer (UTRF). If disabled, Screened Transfers from the Automated Attendant occur normally.	0
09	Auto Time Stamp	0 = No (Disabled) 1 = Yes (Enabled)	Use this option to enable or disable Auto Time Stamp for the Subscriber Mailbox. If enabled, after the subscriber listens to a message InMail announces the time and date the message was left. Auto Time Stamp also announces the message sender (if known). A subscriber can also enable Auto Time Stamp from their mailbox.	0
10	System Administrator	0 = No (Disabled) 1 = Yes (Enabled)	(System Admin) Use this option to designate the Subscriber Mailbox as a System Administrator. This allows the subscriber to use the options after logging onto their mailbox.	0
11	Dialing Option	0 = No (Disabled) 1 = Yes (Enabled)	Dialing Option provides additional dialing options for Next Call Routing Mailbox calls (see Next Call Routing Mailbox below). If enabled, a caller who accesses the Subscriber Mailbox to leave a message can dial any option in the Next Call Routing Mailbox Dial Action Table. If disabled, the caller can dial only 0 (to use the Next Call Routing Mailbox 0 action).	0
12	Next Call Routing Mailbox	0 ~ 32 (0 = Undefined)	(Next CR Mbox) Use this option to assign a Next Call Routing Mailbox to the Subscriber Mailbox. This provides callers with additional dialing options while listening to a Subscriber Mailbox recorded or default greeting. The digits the caller can dial depends on the setting of the Next Call Routing Mailbox and Alternate Next Call Routing Mailbox options.	1 (Call Routing Mailbox 01) By default, Call Routing Mailbox numbers are 01 = 16.
13	Directory List Number	0 = None 1 ~ 8 = List Number * = All	Specify the Directory List number to which the Group Mailbox belongs.	0
14	Voice Prompt Language	Refer to 47-06-14 Default Table.		3
15	Enable Paging	0 = No 1 = Yes		0
16	Paging Option	0 = RNA 1 = Immediate		0
17	Telephone User Interface	0 = Numeric interface 1 = Mnemonic interface 2 = Octel (future)		0
18	Enable Email Notification	0 = No 1 = Yes		0
19	Email Address	Up to 48 characters		No Setting

Item No.	Item	Input Data	Description	Default
20	Include Msg as Attachment	0 = No 1 = Yes		1
21	All Message Notification Enabled	0 = No 1 = Yes		1
22	All Find-Me Follow-Me Enabled	0 = No 1 = Yes		0
23	Security Code Option	0 = Always 1 = Remote Logon only		0
24	Auto Play (V1.5 Added)	0 = Disabled 1 = Enabled		0
25	Email message Save / Delete Option (V1.5 Added)	0 = No Change 1 = Save 2 = Delete		0

Table 2-9 47-06-14 Default Table

Item	Name	Input Data
47-06-14	Voice Prompt Language	01 = US English
		02 = UK English
		03 = Australian English
		04 = French Canadian
		05 = Dutch
		06 = Mexican Spanish
		07 = Latin American Spanish
		08 = Italian
		09 = German
		10 = Madrid Spanish
		11 = Norwegian
		12 = Parisian French
		13 = Brazilian Portuguese
		14 = Japanese
		15 = Mandarin Chinese
		16 = Korean
		17 = Iberian Portuguese
		18 = Greek
		19 = Danish
		20 = Swedish
		21 = Thai
		22 = Mandarin Chinese (Taiwan)
		23 = Flemish
		24 = Turkish

Conditions

None

Feature Cross Reference

None

Program 47 : InMail

47-07 : InMail Routing Mailbox Options

Level
IN

Program

47

Description

Use **Program 47-07 : InMail Routing Mailbox Options** to set up the 32 Routing Mailboxes. Routing Mailboxes can be either Announcement or Call Routing Mailboxes.

Input Data

Routing Mailbox Number			01 ~ 32	
Item No.	Item	Input Data	Description	Default
02	Routing Mailbox Type	0 = None 1 = Call Routing 2 = Announcement 3 = Directory 4 = Distribution	(Mailbox Type) Use this option to set the Routing Mailbox type.	Mailboxes 01 ~ 08 = 1 (Call Routing) Mailboxes 09 ~ 32 = 2 (Announcement)
03	Prompt Language	Refer to 47-07-03 Default Table .		3
04	Telephone User Interface	0 = Numeric interface 1 = Mnemonic interface 2 = Octel (future)		0

Table 2-10 47-07-03 Default Table

Item	Name	Input Data
47-07-03	Voice Prompt Language	01 = US English
		02 = UK English
		03 = Australian English
		04 = French Canadian
		05 = Dutch
		06 = Mexican Spanish
		07 = Latin American Spanish
		08 = Italian
		09 = German
		10 = Madrid Spanish
		11 = Norwegian
		12 = Parisian French
		13 = Brazilian Portuguese
		14 = Japanese
		15 = Mandarin Chinese
		16 = Korean
		17 = Iberian Portuguese
		18 = Greek
		19 = Danish
		20 = Swedish
		21 = Thai
		22 = Mandarin Chinese (Taiwan)
		23 = Flemish
		24 = Turkish

Conditions

None

Feature Cross Reference

None

Program 47 : InMail

47-08 : Call Routing Mailbox Options

Level
IN

Description

Use **Program 47-08 : Call Routing Mailbox Options** to set the options for mailboxes assigned as Call Routing Mailboxes in 47-07-02 : Routing Mailbox Type.

Input Data

Routing Mailbox Number			01 ~ 32	
Item No.	Item	Input Data	Description	Default
01	Dial Action Table	1 ~ 16 (Dial Action Table 1 ~ 16)	Use this option to assign the Dial Action Table to the Call Routing Mailbox. The Dial Action Table defines the dialing options for the call Routing Mailbox.	1 (Dial Action Table 1)
02	Screened Transfer Timeout	0 ~ 255 seconds Entering 0 causes immediate recall.	(Scrn Trf Timeout) Use this option to set how long a Screened Transfer (TRF) from the Automated Attendant rings an unanswered extension before recalling. This option has a similar function as Customize: Mailbox Options: Call Routing: [Call Handling] Options: Delay Rings Before Redirect Transfer in InMail.	15 seconds
03	Time Limit for Dialing Commands	0 ~ 99 seconds Entering 0 causes the Automated Attendant to immediately route callers to the Timeout destination programmed in the active Dial Action Table.	(Dialing Timeout) This option determines how long InMail waits for an Automated Attendant caller to dial before routing the call to the Timeout destination. Be sure your Dial Action Tables have a Timeout action programmed. If the caller waits too long to dial: When the associated Dial Action Table has a Timeout action programmed, the caller routes to that destination. When the associated Dial Action Table does not have a Timeout action programmed, the Instruction Menu repeats three times and then InMail hangs up.	5 seconds
04	Fax Detection	0 = No (Disabled) 1 = Yes (Enabled)	Use this option to enable or disable Fax Detection for the Call Routing Mailbox. In enabled, the InMail Automated Attendant (when using this Call Routing Mailbox) detects incoming fax CNG tone. The fax call then routes to the company fax machine according to the setting of 47-01-06 : Fax Extension. If disabled, the Automated Attendant does not detect incoming fax calls.	0
05	Fax Extension	Up to eight digits		No Setting

Conditions

None

Feature Cross Reference

None

Program

47

Program 47 : InMail

47-09 : Announcement Mailbox Options

Level
IN

Program

47

Description

Use **Program 47-09 : Announcement Mailbox Options** to set the options for mailboxes assigned as Announcement Mailboxes in 47-07-02 : Routing Mailbox Type.

Input Data

Routing Mailbox Number			01 ~ 32	
Item No.	Item	Input Data	Description	Default
01	Next Call Routing Mailbox	Call Routing Mailbox Number (01 ~ 32) Next Call Routing Mailbox 00 ~ 32 00 = Undefined	(Next CR Mbox) If you set up an Announcement Mailbox to answer Automated Attendant calls, use this option to provide additional routing options to the Automated Attendant callers. This option interacts with Repeat Count and Hang Up After below. For more detail on this interaction, refer to Direct Announcement Mailbox Routing and Routed Announcement Mailbox Routing in the InMail System Guide.	0
02	Repeat Count	0 ~ 10 (Announcement repeats 1 ~ 10 times) (0 = No Repeats)	Enter the number of times you want the Announcement Mailbox message to repeat to callers. After an Announcement Mailbox caller initially listens to the message, it repeats the number of times specified in this option. This option interacts with Next Call Routing Mailbox and Hang Up After when providing routing options. For more detail on this interaction, refer to Direct Announcement Mailbox Routing and Routed Announcement Mailbox Routing in the InMail System Guide.	0
03	Hang Up After	0 = None 1 = Goodbye 2 = Silent	(HangUp) Use this option along with Next Call Routing Mailbox and Repeat Count above to provide additional routing options to Automated Attendant callers. For more detail on this interaction, refer to Direct Announcement Mailbox Routing and Routed Announcement Mailbox Routing in the InMail System Guide.	0

Conditions

None

Feature Cross Reference

None

Program 47 : InMail

47-10 : InMail Trunk Options

Level
IN

Description

Use **Program 47-10 : InMail Trunk Options** to assign InMail options for each trunk. Currently, only 47-10-01 : Answer Table Assignment is available.

Input Data

Trunk Port Number			001 ~ 096	
Item No.	Item	Input Data	Description	Default
01	Answer Table Assignment	Answer Table (1 ~ 8)	(Answer Table) Use this option to assign an InMail Answer Table to each Direct Inward Line (DIL) the Automated Attendant should answer. The Automated Attendant follows the routing specified by the selected Answer Table.	1
02	Record PAD Control	1 ~ 63 (- 15.5 dBm ~ + 15.5 dBm)		32
03	Voice Prompt Language	Refer to 47-10-03 Default Table .		3
04	Telephone User Interface	0 = Numeric interface 1 = Mnemonic interface		0

Table 2-11 47-10-03 Default Table

Item	Name	Input Data
47-10-03	Voice Prompt Language	01 = US English
		02 = UK English
		03 = Australian English
		04 = French Canadian
		05 = Dutch
		06 = Mexican Spanish
		07 = Latin American Spanish
		08 = Italian
		09 = German
		10 = Madrid Spanish
		11 = Norwegian
		12 = Parisian French
		13 = Brazilian Portuguese
		14 = Japanese
		15 = Mandarin Chinese
		16 = Korean
		17 = Iberian Portuguese
		18 = Greek
		19 = Danish
		20 = Swedish
		21 = Thai
		22 = Mandarin Chinese (Taiwan)
		23 = Flemish
		24 = Turkish

Conditions

None

Program

47

Feature Cross Reference

None

Program

47

Program 47 : InMail


47-11 : InMail Answer Table Options

Level
IN

Description


Use **Program 47-11 : InMail Answer Table Options** to set options for the Answer Tables. InMail provides eight Answer Tables (1 ~ 8). To set up the schedules for each Answer Table, go to 47-12 : InMail Answer Table Schedule.

Input Data

Answer Table Number		1 ~ 8		
Item No.	Item	Input Data	Default	Description
01	Answer Schedule Override (Schedule Override) Use this option to enable or disable Answer Schedule Override for the selected Answer Table. If enabled (and you make an entry for Override Mailbox below), the active Answer Table routes calls to the Override Mailbox.	0 = No (Disabled) 1 = Yes (Enabled)	0	
02	Override Mailbox Category (Override MB Ctg) Use this option to specify the category of the mailbox where Automated Attendant calls should route when you enable Answer Schedule Override. <ul style="list-style-type: none"> If the Override Mailbox is a Subscriber Mailbox, the outside caller hears the mailbox greeting (if recorded) and can leave a message. If the Override Mailbox is a Master Mailbox, the outside caller hears the recorded announcement. Depending on how the Announcement Mailbox is programmed, InMail then hangs up, reroutes the call, or provides additional dialing options. If the Override Mailbox is a Routing Mailbox, the outside caller hears the instruction menu and can dial any option allowed by the associated Dial Action Table.  If any of the Input Data values are entered, the terminal displays the Override Mailbox Number selection (below).	0 = Undefined 1 = Subscriber Mailbox - STA 2 = Master Mailbox 3 = Routing Mailbox	0	Category 0 = Skip Mailbox No. setting Category 1 = Mailbox No. should be 1 ~ 120. refer to <47-02 : InMail Station Mailbox Options> Category 2 = Mailbox No. should be 1 ~ 32. refer to <47-03 : InMail Group Mailbox Options> Category 3 = Mailbox No. should be 1 ~ 32. refer to <47-07 : InMail Routing Mailbox Options>

Program

47

Item No.	Item	Input Data	Default	Description
	Override Mailbox Number (Override MB Num) Use this option to specify the mailbox where Automated Attendant calls should route when you enable Answer Schedule Override. The mailbox number you select in this option should match the mailbox category specified in 47-11-02 : Override Mailbox Category above.	Up to 3 digits (using 0 ~ 9)	No setting	Category 0 = Skip Mailbox No. setting Category 1 = Mailbox No. should be 1 ~ 120. refer to <47-02 : InMail Station Mailbox Options> Category 2 = Mailbox No. should be 1 ~ 32. refer to <47-03 : InMail Group Mailbox Options> Category 3 = Mailbox No. should be 1 ~ 32. refer to <47-07 : InMail Routing Mailbox Options>
03	Default Mailbox Category (Default MB Ctg) Use this option to specify the category of mailbox used as the Default Mailbox. <ul style="list-style-type: none"> If the Default Mailbox is a Subscriber Mailbox, the outside caller hears the mailbox greeting (if recorded) and can leave a message. If the Default Mailbox is a Master Mailbox, the outside caller hears the recorded announcement. Depending on how the Announcement Mailbox is programmed, InMail then hangs up, reroutes the call, or provides additional dialing options. If the Default Mailbox is a Routing Mailbox, the outside caller hears the instruction menu and can dial any option allowed by the associated Dial Action Table.  <p><i>If any of the Input Data values are entered, the terminal displays the Override Mailbox Number selection (below). If any of the Input Data values are entered, the terminal displays the Override Mailbox Number selection (below).</i></p>	0 = Undefined 1 = Subscriber Mailbox - STA 2 = Master Mailbox 3 = Routing Mailbox	Answer Table 1 = 3 Answer Table 2 ~ 8 = 0	Category 0 = Skip Mailbox No. setting Category 1 = Mailbox No. should be 1 ~ 120. refer to <47-02 : InMail Station Mailbox Options> Category 2 = Mailbox No. should be 1 ~ 32. refer to <47-03 : InMail Group Mailbox Options> Category 3 = Mailbox No. should be 1 ~ 32. refer to <47-07 : InMail Routing Mailbox Options>
	Default Mailbox Number (Default MB Num) Use this option to set the Answer Table Default Mailbox number. InMail uses the Default Mailbox when an Answer Schedule is not in effect. By default, this occurs at all times other than Monday through Friday from 8:30 AM to 5:00 PM.	Up to 3 digits (using 0 ~ 9)	Answer Table 1 = 1 Answer Table 2 ~ 8 = No setting	Category 0 = Skip Mailbox No. setting Category 1 = Mailbox No. should be 1 ~ 120. refer to <47-02 : InMail Station Mailbox Options> Category 2 = Mailbox No. should be 1 ~ 32. refer to <47-03 : InMail Group Mailbox Options> Category 3 = Mailbox No. should be 1 ~ 32. refer to <47-07 : InMail Routing Mailbox Options>
04	Next Answer Table When 10 Answer Schedules in an Answer Table are not sufficient, use this option to link two Answer Tables together. InMail treats the two linked tables as a single 20 entry Answer Table.	Answer Table (0 ~ 8) 0 = Undefined	0	

Conditions

None

Feature Cross Reference

None

Program 47 : InMail

47-12 : InMail Answer Schedules

Level
IN

Program

47

Description

Use **Program 47-12 : InMail Answer Schedules** to set up the InMail Automated Attendant Answer Schedules. There are eight Answer Tables, with up to 10 Answer Schedules in each Answer Table.

Input Data

Answer Table Number				1 ~ 8
Schedule Entry Number				1 ~ 10
Item No.	Item	Input Data	Default	Description

Item No.	Item	Input Data	Default	Description
01	Schedule Type	0 = Undefined 1 = Day of the Week 2 = Range of Days 3 = Date	Answer Table 1/ Schedule 1 = 2 All other schedules = 0	<p>(Entryxx Schedule Type) Use this option to assign a Schedule Type to the selected Answer Schedule. The Schedule Type determines how the Answer Schedule answers calls. The schedule can be one of the following types:</p> <ul style="list-style-type: none"> 1. Day of the Week A Type 1 Answer Schedule runs on a specific day of the week. For this type of schedule, you select: <ul style="list-style-type: none"> The day of the week the schedule should run: The schedule start time. The schedule end time. The Call Routing or Announcement Mailbox used to answer calls. 2. Range of Days A Type 2 Answer Schedule runs for a range of days. For this type of schedule, you select: <ul style="list-style-type: none"> The day of the week the schedule should start. The day of the week the schedule should stop. The time on the start day the schedule should start. The time on the stop day the schedule should stop. The Call Routing or Announcement Mailbox used to answer the calls. 3. Date A type 3 Answer Schedule runs only on a specific day of the year. For this type of schedule, you select: <ul style="list-style-type: none"> The specific date the schedule should run. On the selected date, the time the schedule should start. On the selected date, the time the schedule should stop. The Call Routing or Announcement Mailbox used to answer the calls.

Item No.	Item	Input Data	Default	Description
02	Answering Mailbox Category (Entryxx MB Ctg) Use this option to specify the category of mailbox to which Automated Attendant calls should route when the schedule is in effect. If the Answering Mailbox is a Subscriber Mailbox , the outside caller hears the mailbox greeting (if recorded) and can leave a message. If the Answering Mailbox is a Master Mailbox , the outside caller hears the recorded announcement. Depending on how the Announcement Mailbox is programmed, InMail then hangs up, reroutes the call, or provides additional dialing options. If the Answering Mailbox is a Routing Mailbox , the outside caller hears the instruction menu and can dial any option allowed by the associated Dial Action Table.	0 = Undefined 1 = Subscriber Mailbox - STA 2 = Master Mailbox 3 = Routing Mailbox	Answer Table 1/ Schedule 1 = 3 All Other Schedules = 0	Category 0 = Skip Mailbox No. setting Category 1 = Mailbox No. should be 1 ~ 120. refer to <47-02 : InMail Station Mailbox Options> Category 2 = Mailbox No. should be 1 ~ 32. refer to <47-03 : InMail Group Mailbox Options> Category 3 = Mailbox No. should be 1 ~ 32. refer to <47-07 : InMail Routing Mailbox Options>
	Answering Mailbox Number (Entryxx MB Num) Use this option to set the number of the Answering Mailbox the Automated Attendant uses when the selected schedule is in effect. This mailbox is defined in 47-12-02 : Answering Mailbox Category.	Up to 3 digits (using 0 ~ 9)	Answer Table 1/ Schedule 1 = 1 All Other Answer Schedules = No setting	Category 0 = Skip Mailbox No. setting Category 1 = Mailbox No. should be 1 ~ 120. refer to <47-02 : InMail Station Mailbox Options> Category 2 = Mailbox No. should be 1 ~ 32. refer to <47-03 : InMail Group Mailbox Options> Category 3 = Mailbox No. should be 1 ~ 32. refer to <47-07 : InMail Routing Mailbox Options>
03	Day of the Week (Entryxx Day) For Day of the Week (Type 1) Answer Schedules, use this option to select the day of the week the Answer Schedule should be active.	1 = Sunday 2 = Monday 3 = Tuesday 4 = Wednesday 5 = Thursday 6 = Friday 7 = Saturday	All Schedules = 1	
04	Start Day (Entryxx Start Day) For Range of Days (Type 2) Answer Schedules, use this option to select the day of the week the Answer Schedule should start.	1 = Sunday 2 = Monday 3 = Tuesday 4 = Wednesday 5 = Thursday 6 = Friday 7 = Saturday	Answer Table 1/ Schedule 1 = 2 All Other Schedules = 1	
05	End Day (Entryxx End Day) For Range of Days (Type 2) Answer Schedules, use this option to select the day of the week the Answer Schedule should end.	1 = Sunday 2 = Monday 3 = Tuesday 4 = Wednesday 5 = Thursday 6 = Friday 7 = Saturday	Answer Table 1/ Schedule 1 = 6 All Other Answer Schedules = 1	
06	Date (Entryxx Date) For Date (Type 3) Answer Schedules, use this option to select the date the Answer Schedule should be active.	MMDD For example : - 0101 = January 1 - 1231 = December 31 (0000 = Undefined)	All Schedule = 0000	

Item No.	Item	Input Data	Default	Description
07	Schedule Start Time (Entryxx Start Time) Use this option to specify the time the Answer Schedule should start. It applies to Day of the Week (Type 1), Range of Days (Type 2), and Date (Type 3) schedules. (To make a schedule run continuously, make the same entry for 47-12-07 : Schedule Start Time and 47-12-08 : Schedule End Time.)	HHMM (24-hour clock) For example : - 0130 = 1 : 30 AM - 1700 = 5 : 00 PM (0000 = Undefined)	Answer Table 1/ Schedule 1 = 0830 All other schedules are 0000.	
08	Schedule End Time (Entryxx End Time) Use this option to specify the time the Answer Schedule should end. It applies to Day of the Week (Type 1), Range of Days (Type 2), and Date (Type 3) schedules. (To make a schedule run continuously, make the same entry for 47-12-07 : Schedule Start Time and 47-12-08 : Schedule End Time.)	HHMM (24-hour clock) For example : - 0130 = 1 : 30 AM - 1700 = 5 : 00 PM (0000 = Undefined)	Answer Table 1/ Schedule 1 = 1700 All Other Schedules = 0000	

Conditions

None

Feature Cross Reference

None

Program 47 : InMail

47-13 : InMail Dial Action Tables

Level
IN

Program

47

Description

Use **Program 47-13 : InMail Dial Action Tables** to set up the InMail Dial Action Tables. The Dial Action Table defines the options than an Automated Attendant caller can dial. A Dial Action Table is associated with a Call Routing Mailbox, which is in turn associated with an Answer Table. When an Answer Table is active, its associated Call Routing Mailbox selects the Dial Action Table which provides dialing options to callers. The illustration below shows how this works in a default InMail system. There are 16 Dial Action Tables.

Input Data

Dial Action Table Number	01 ~ 16
--------------------------	---------

Key Number	0 ~ 9, *, #, TIMEOUT
------------	----------------------

Item No.	Name	Input Data	Description
01	Action	0 = UND (Undefined) 1 = TRF (Transfer) 2 = UTRF (Unscreened Transfer) 3 = REC1 4 = REC2 5 = LOGON 6 = Hang Up 7 = GOTO	<ul style="list-style-type: none"> • TRF Action - Screened Transfer (1) (TRF) • UTRF Action - Unscreened Transfer (2) (UTRF) • REC1 Action - Quick Message With Greeting (3) (REC1) • REC2 Action - Quick Message Without Greeting (4) (REC2) • LOGON Action - Log Onto Voice Mail (5) (LOGON) • Hang Up Action (6) (HNGUP) • GOTO Action - Go to Mailbox (7) (GOTO) • UND Action - Undefined Routing (0) (UND)

Item No.	Name	Input Data	Description
	Data	Up to 8 digits (0 ~ 9, *, #) X = Caller Dialed Digits I = Ignore Digits N = No Routing P = Pause	<ul style="list-style-type: none"> • Digits Entry : 0 ~ 9, #, and * (8 digits max.) Use Dial Action Table digits to route an Automated Attendant call to a specific location (such as an extension). For example, to set up a TRF Action to route to extension 305, for 3 enter TRF for the Action and 305 for the corresponding Number. • Caller Dialed Digits Entry : X(Entered by pressing LK2) Use the X option to route an Automated Attendant call based on digits the caller dials. Each X entry represents one caller dialed digit. For example, to set up a TRF Action to route to any caller dialed extension in the 301 ~ 399 range, for 3 enter TRF for the Action and XXX for the corresponding Number. • Ignore Digits Entry : I(Entered by pressing LK3) Use the I option to represent any digit dialed by the Automated Attendant caller that PZ-VM21 InMail ignores for routing. An example of this is REC action assigned to the * key in Dial Action Table 1 by default. The Action is REC2 and the Number is IXXX. This means that a caller can dial * + any mailbox number to leave a Quick Message in that mailbox. InMail ignores the first digit dialed by the caller (*), and routes according to the next 3 digits dialed. • No Routing Entry : N(Entered by pressing LK1) Use the N option when you want no Automated Attendant routing to automatically occur. This can be used with the LOGON action when you want to prompt the caller to enter a mailbox number. To do this for the # key (for example), for the # key enter LOGON for the Action and N for the corresponding Number. When the caller dials #, they hear, Please enter the mailbox number. Or, to exit, press the pound key. • Pause Entry : P(Entered by pressing LK4) Use the P option when you want the Automated Attendant to pause while dialing.

Defaults

Dial Action Table Default Settings				
Key	Dial Action Table 1		Dial Action Table 2 ~ 16	
	Action	Data	Action	Data
1	2 (UTRF)	XXX	0 (UND)	0
2	0 (UND)	0	0 (UND)	0
3	2 (UTRF)	XXXX	0 (UND)	0
4	0 (UND)	0	0 (UND)	0
5	0 (UND)	0	0 (UND)	0
6	0 (UND)	0	0 (UND)	0
7	0 (UND)	0	0 (UND)	0
8	0 (UND)	0	0 (UND)	0
9	6 (Hang Up)	0	0 (UND)	0
0	2 (UTRF)	101	0 (UND)	0
*	3 (REC1)	IXXX	0 (UND)	0
#	5 (LOGON)	IXXX	0 (UND)	0
TIMEOUT	2 (UTRF)	101	0 (UND)	0



TIMEOUT provides the routing for rotary dial callers.

Note

Note

If Action is set 0 or 6 skip Data setting.
"XXX"= change as it fit
The "Data" data needs to follow these rules below.
0 (UND) = none
1 (TRF) = dial data (any), X, I, N, or P
2 (UTRF) = dial data (any), X, I, N, or P
3 (REC1) = mailbox number (subscriber or group)
4 (REC2) = mailbox number (subscriber or group)
5 (LOGON) = mailbox number (subscriber or group)
6 (HANGUP) = none
7 (GOTO) = routing mailbox number index (1 ~ 32)
Otherwise it will not be routed properly.

Conditions

None

Feature Cross Reference

None

Program 47 : InMail

47-15 : Routing Directory Mailbox Options

Level
IN

Description

Use **Program 47-15 : Routing Directory Mailbox Options** to define the Routing Directory Mailbox Options. This data is referred if Program 47-07-02 (Routing Master Mailbox Type) was set to Type 4 (Directory).

Input Data

Master Mailbox Number		01 ~ 32	
Item No.	Item	Input Data	Default
01	Minimum Number of Letters Required	1 ~ 3	1
02	Directory List Number to Use	1 ~ 8	1
03	Name Match	0 = First 1 = Last	0
04	Transfer Option	0 = TRF 1 = UTRF	0
05	Screened Transfer Timeout	0 ~ 255	15
06	Time Limit for Dialing Commands	0 ~ 99	5
07	Fax Detection	0 = Disable 1 = Enable	0
08	Next Call Routing Mailbox	0 ~ 32	0
09	Fax Extension	Up to eight digits	No Setting

Conditions

None

Feature Cross Reference

None

Program

47

Program 47 : InMail

47-17 : Routing Distribution Mailbox Options

Level
IN

Program

47

Description

Use **Program 47-17 : Routing Distribution Mailbox Options** to assign data when Program 47-07-02 is set to 4 (Distribution).

Input Data

Routing Mailbox Number	01 ~ 32
-------------------------------	----------------

Entry Number	01 ~ 20
---------------------	----------------

Item No.	Item	Input Data	Default	This Program is ..
01	Distribution Mailbox Category Use Undefined (0) to skip Mailbox Number setting. Use Station Mailbox (1) for setting Mailbox Number to 1 ~ 120 (Program 47-02). Use Group Number (2) for setting Group Mailbox (1 ~ 32) (Program 47-03).	0 = Undefined 1 = Station Mailbox 2 = Group Mailbox	0	Category 1 = Mailbox No. should be 1 ~ 120. refer to <47-02 : InMail Station Mailbox Options> Category 2 = Mailbox No. should be 1 ~ 32. refer to <47-03 : InMail Group Mailbox Options>
	Distribution Mailbox Number	Up to 3 digits	No setting	Category 1 = Mailbox No. should be 1 ~ 120. refer to <47-02 : InMail Station Mailbox Options> Category 2 = Mailbox No. should be 1 ~ 32. refer to <47-03 : InMail Group Mailbox Options>

Conditions

None

Feature Cross Reference

None

Program 47 : InMail

47-18 : InMail SMTP Setup

Level
IN

Description

Use **Program 47-18 InMail SMTP Setup** to set the SNMP e-mail notification.

Input Data

Item No.	Item	Input Data	Default
01	SMTP Enabled	0 = No 1 = Yes	0
02	Server Name	Up to 48 characters	No Setting
03	SMTP Port	0 ~ 65535	25
04	Encryption	0 = No 1 = Yes	0
05	Authentication	0 = No 1 = Yes 2 = POP3	0
06	User Name	Up to 48 characters	No Setting
07	Password	Up to 48 characters	No Setting
08	E-mail Address	Up to 48 characters	No Setting
09	Reply to Address	Up to 48 characters	No Setting

Conditions

None

Feature Cross Reference

None

Program

47

Program 47 : InMail

47-19 : InMail POP3 Setup

Level
IN

Program

47

Description

Use **Program 47-19 : InMail POP3 Setup** to set the InMail e-mail notification.

Input Data

Item No.	Item	Input Data	Default
01	Server Name	Up to 48 characters	No Setting
02	POP3 Port	0 ~ 65535	110
03	Encryption	0 = No 1 = Yes	0
04	User Name	Up to 48 characters	No Setting
05	Password	Up to 48 characters	No Setting

Conditions

None

Feature Cross Reference

None

Program 47 : InMail

47-20 : Station Mailbox Message Notification Options

Level
IN

Description

Use **Program 47-20 : Station Mailbox Message Notification Options** to define the IntraMail Station Mailbox Message Notification Options.

Input Data

Station Mailbox Number	001 ~ 120
------------------------	-----------

Index Number	1 ~ 5
--------------	-------

Item No.	Item	Input Data	Default
01	Notification	0 = Off 1 = On	0
02	Notification Begin Hour	00 ~ 23 (00 (12 : 00 AM) ~ 23 (11 : 00 PM))	00
03	Notification End Hour	00 ~ 23 (00 (12 : 00 AM) ~ 23 (11 : 00 PM))	00
04	Notification Type	0 = Undefined 1 = Voice 2 = Pager	1
05	Notification Number	Up to 16 digits	No Setting
06	Notification Busy Attempts	1 ~ 99 (attempts)	5
07	Notification RNA Attempts	1 ~ 99 (attempts)	5
08	Notification Security	0 = Off 1 = On	1
09	Notification Day of week - Sunday (V1.5 Added)	0 = Disabled 1 = Enabled	1
10	Notification Day of week - Monday (V1.5 Added)	0 = Disabled 1 = Enabled	1
11	Notification Day of week - Tuesday (V1.5 Added)	0 = Disabled 1 = Enabled	1
12	Notification Day of week - Wednesday (V1.5 Added)	0 = Disabled 1 = Enabled	1
13	Notification Day of week - Thursday (V1.5 Added)	0 = Disabled 1 = Enabled	1
14	Notification Day of week - Friday (V1.5 Added)	0 = Disabled 1 = Enabled	1
15	Notification Day of week - Saturday (V1.5 Added)	0 = Disabled 1 = Enabled	1

Conditions

None

Feature Cross Reference

None

Program

47

Program 47 : InMail

47-21 : Station Mailbox Find-Me Follow-Me Options

Level
IN

Program

47

Description

Use **Program 47-21 : Station Mailbox Find-Me Follow-Me Options** to define the IntraMail Station Mailbox Find-Me Follow-Me Options.

Input Data

Station Mailbox Number	001 ~ 120
------------------------	-----------

Index Number	1 ~ 3
--------------	-------

Item No.	Item	Input Data	Default
01	Find-Me Follow-Me	0 = Off 1 = On	0
02	Find-Me Follow-Me Begin Hour	00 ~ 23 (00 (12 : 00 AM) ~ 23 (11 : 00 PM))	00
03	Find-Me Follow-Me End Hour	00 ~ 23 (00 (12 : 00 AM) ~ 23 (11 : 00 PM))	00
04	Find-Me Follow-Me Number	Up to 16 digits	No Setting
05	Find-Me Follow-Me Day of week - Sunday (V1.5 Added)	0 = Disabled 1 = Enabled	1
06	Find-Me Follow-Me Day of week - Monday (V1.5 Added)	0 = Disabled 1 = Enabled	1
07	Find-Me Follow-Me Day of week - Tuesday (V1.5 Added)	0 = Disabled 1 = Enabled	1
08	Find-Me Follow-Me Day of week - Wednesday (V1.5 Added)	0 = Disabled 1 = Enabled	1
09	Find-Me Follow-Me Day of week - Thursday (V1.5 Added)	0 = Disabled 1 = Enabled	1
10	Find-Me Follow-Me Day of week - Friday (V1.5 Added)	0 = Disabled 1 = Enabled	1
11	Find-Me Follow-Me Day of week - Saturday (V1.5 Added)	0 = Disabled 1 = Enabled	1

Conditions

None

Feature Cross Reference

None

Program 47 : InMail

47-22 : Group Mailbox Message Notification Options

Level
IN

Description

Use **Program 47-22 : Group Mailbox Message Notification Options** to define the IntraMail Group Mailbox Message Notification Options.

Input Data

Group Mailbox Number	01 ~ 32
----------------------	---------

Index Number	1 ~ 5
--------------	-------

Item No.	Item	Input Data	Default
01	Notification	0 = Off 1 = On	0
02	Notification Begin Hour	00 ~ 23 (00 (12 : 00 AM) ~ 23 (11 : 00 PM))	00
03	Notification End Hour	00 ~ 23 (00 (12 : 00 AM) ~ 23 (11 : 00 PM))	00
04	Notification Type	0 = Undefined 1 = Voice 2 = Pager	1
05	Notification Number	Up to 16 digits	No Setting
06	Notification Busy Attempts	1 ~ 99 (attempts)	5
07	Notification RNA Attempts	1 ~ 99 (attempts)	5
08	Notification Security	0 = Off 1 = On	1
09	Notification Day of week - Sunday (V1.5 Added)	0 = Disabled 1 = Enabled	1
10	Notification Day of week - Monday (V1.5 Added)	0 = Disabled 1 = Enabled	1
11	Notification Day of week - Tuesday (V1.5 Added)	0 = Disabled 1 = Enabled	1
12	Notification Day of week - Wednesday (V1.5 Added)	0 = Disabled 1 = Enabled	1
13	Notification Day of week - Thursday (V1.5 Added)	0 = Disabled 1 = Enabled	1
14	Notification Day of week - Friday (V1.5 Added)	0 = Disabled 1 = Enabled	1
15	Notification Day of week - Saturday (V1.5 Added)	0 = Disabled 1 = Enabled	1

Conditions

None

Feature Cross Reference

None

Program

47

Program 47 : InMail

47-23 : Group Mailbox Find-Me Follow-Me Options

Level
IN

Program

47

Description

Use **Program 47-23 : Group Mailbox Find-Me Follow-Me Options** to define the IntraMail Group Mailbox Find-Me Follow-Me Options.

Input Data

Group Mailbox Number	01 ~ 32
----------------------	---------

Index Number	1 ~ 3
--------------	-------

Item No.	Item	Input Data	Default
01	Find-Me Follow-Me	0 = Off 1 = On	0
02	Find-Me Follow-Me Begin Hour	00 ~ 23 (00 (12 : 00 AM) ~ 23 (11 : 00 PM))	00
03	Find-Me Follow-Me End Hour	00 ~ 23 (00 (12 : 00 AM) ~ 23 (11 : 00 PM))	00
04	Find-Me Follow-Me Number	Up to 16 digits	No Setting
05	Find-Me Follow-Me Day of week - Sunday (V1.5 Added)	0 = Disabled 1 = Enabled	1
06	Find-Me Follow-Me Day of week - Monday (V1.5 Added)	0 = Disabled 1 = Enabled	1
07	Find-Me Follow-Me Day of week - Tuesday (V1.5 Added)	0 = Disabled 1 = Enabled	1
08	Find-Me Follow-Me Day of week - Wednesday (V1.5 Added)	0 = Disabled 1 = Enabled	1
09	Find-Me Follow-Me Day of week - Thursday (V1.5 Added)	0 = Disabled 1 = Enabled	1
10	Find-Me Follow-Me Day of week - Friday (V1.5 Added)	0 = Disabled 1 = Enabled	1
11	Find-Me Follow-Me Day of week - Saturday (V1.5 Added)	0 = Disabled 1 = Enabled	1

Conditions

None

Feature Cross Reference

None

Program 80 : Basic Hardware Setup for System

80-01 : Service Tone Setup

Level
IN

Description

Use **Program 80-01 : Service Tone Setup** to define up to 64 Service Tones. Each service tone is defined by the combination of 32 Basic Tones.

Input Data

Service Tone Number	01 ~ 64
---------------------	---------

Item No.	Item	Input Data	Default
01	Repeat Count	0 ~ 255 (0 = Endless)	Refer below

Unit Number	1 ~ 8
-------------	-------

Item No.	Item	Input Data	Default
02	Basic Tone Number	0 ~ 33 (0 = No Tone) (33 = Default Time Slot)	Refer below
03	Duration Count	0 ~ 255 (0, 100 ~ 25500 ms)	Refer below
04	Gain Level (dB)	0 ~ 63 (- 15.5 ~ + 15.5)	Refer below

Table 2-12 Basic Tones

Basic Tone No.	Frequency (Hz)	Level (dB)
01	420	- 13
02	520	- 13
03	580	- 13
04	660	- 13
05	700	- 13
06	800	- 13
07	880	- 13
08	1050	- 13
09	430	- 13
10	440 / 480	- 13 / - 13
11	480 / 620	- 13 / - 13
12	440	-16
13	-- Reserve --	-
14	520 / 650	-19 / -13
15	650 / 780	-19 / -13
16	780 / 1040	-19 / -13
17	520 / 650	-13 / -19
18	650 / 780	-13 / -19
19	780 / 1040	-13 / -19
20	1040	-13
21	450	-13
22	950	-13
23	1800	-13
24	400 / 450	-13/-13
25	400	-13
26	350 / 440	-13/-13
27	420 (Amplitude Modulated)	-13
28	-- Reserve --	-
29	-- Reserve --	-
30	-- Reserve --	-
31	-- Reserve --	-
32	-- Reserve --	-

Program

80

Default

Service Tone No.	Service Tone Name	Repeat Count	Unit Count	Basic Tone No.	Duration	Gain Level (dB)
1	No tone	0	1	0	10	32 (0 dB)
2	Internal Dial Tone	0	1	26	10	32 (0 dB)
3	Stutter Dial Tone (Special Dial Tone)	0	6	0 26 0 26 0 26	2 1 1 1 1 77	32 (0 dB) 32 (0 dB) 32 (0 dB) 32 (0 dB) 32 (0 dB) 32 (0 dB)
4	Internal Recall Dial Tone (Transfer Dial Tone)	0	1	26	10	32 (0 dB)
5	Trunk Dial Tone	0	1	27	10	32 (0 dB)
6	Internal Busy Tone (Busy Tone)	0	2	0 1	4 4	32 (0 dB) 32 (0 dB)
7	DND Busy Tone	0	2	1 0	2 2	32 (0 dB) 32 (0 dB)
8	B-busy Tone	0	2	0 1	4 4	32 (0 dB) 32 (0 dB)
9	Internal Reorder Tone (Congestion Tone)	0	2	0 1	5 5	32 (0 dB) 32 (0 dB)
10	Internal Interrupt Tone (Warning Tone)	0	2	0 1	1 1	32 (0 dB) 32 (0 dB)
11	Internal Confirmation Tone (Confirmation Tone)	1	2	0 6	5 1	32 (0 dB) 32 (0 dB)
12	Internal Hold Tone	0	0	0	0	32 (0 dB)
13	External Hold Tone	0	0	0	0	32 (0 dB)
14	Internal Ring-back Tone (Internal Audible Ring) (Ring Back Tone)	0	4	27 0 27 0	4 2 4 20	32 (0 dB) 32 (0 dB) 32 (0 dB) 32 (0 dB)
15	Override Tone	1	2	0 6	1 1	32 (0 dB) 32 (0 dB)
16	Lock-out Tone	0	2	0 6	1 1	32 (0 dB) 32 (0 dB)
17	Clock alarm tone	0	4	6 0 6 0	1 1 1 7	32 (0 dB) 32 (0 dB) 32 (0 dB) 32 (0 dB)
18	BGM	0	0	0	0	32 (0 dB)
19	Doorphone chime 1	3	6	4 4 2 2 2 0	2 2 3 4 6 5	38 (+ 3 dB) 26 (- 3 dB) 38 (+ 3 dB) 26 (- 3 dB) 14 (- 9 dB) 32 (0 dB)
20	Doorphone chime 2	3	6	7 7 5 5 5 0	2 2 3 4 6 5	38 (+ 3 dB) 26 (- 3 dB) 38 (+ 3 dB) 26 (- 3 dB) 14 (- 9 dB) 32 (0 dB)
21	Doorphone chime 3	3	6	8 8 6 6 6 0	2 2 3 4 6 5	38 (+ 3 dB) 26 (- 3 dB) 38 (+ 3 dB) 26 (- 3 dB) 14 (- 9 dB) 32 (0 dB)
22	Doorphone chime 4	3	6	4 4 2 2 2 0	1 1 2 2 3 2	38 (+ 3 dB) 26 (- 3 dB) 38 (+ 3 dB) 26 (- 3 dB) 14 (- 9 dB) 32 (0 dB)
23	Doorphone chime 5	3	6	7 7 5 5 5 0	1 1 2 2 3 2	38 (+ 3 dB) 26 (- 3 dB) 38 (+ 3 dB) 26 (- 3 dB) 14 (- 9 dB) 32 (0 dB)

Service Tone No.	Service Tone Name	Repeat Count	Unit Count	Basic Tone No.	Duration	Gain Level (dB)
24	Doorphone chime 6	3	6	8	1	38 (+ 3 dB)
				8	1	26 (- 3 dB)
				6	2	38 (+ 3 dB)
				6	2	26 (- 3 dB)
				6	3	14 (- 9 dB)
25	Service Set Tone	1	2	0	2	32 (0 dB)
				6	1	32 (0 dB)
26	Service Clear Tone	1	2	0	1	32 (0 dB)
				6	1	32 (0 dB)
27	Talk-Back Tone	2	2	0	1	32 (0 dB)
				6	1	32 (0 dB)
28	Speaker Monitor Tone	1	2	0	1	32 (0 dB)
				6	1	32 (0 dB)
29	Door Relay Tone	1	2	0	1	32 (0 dB)
				6	1	32 (0 dB)
30	Doorphone Call Tone	1	2	0	1	32 (0 dB)
				6	1	32 (0 dB)
31	Paging Tone	2	2	6	1	10 (-11 dB)
				0	1	32 (0 dB)
32	Splash Tone 1	1	2	0	1	32 (0 dB)
				6	1	32 (0 dB)
33	Splash Tone 2	2	2	0	1	32 (0 dB)
				6	1	32 (0 dB)
34	Splash Tone 3	3	2	0	1	32 (0 dB)
				6	1	32 (0 dB)
35	1 Sec Signal Tone	1	1	6	10	32 (0 dB)
36	External audible ring tone	0	2	10	10	32 (0 dB)
				0	30	32 (0 dB)
37	External reorder tone	0	2	0	2	32 (0 dB)
				11	3	32 (0 dB)
38	External busy tone	0	2	0	5	32 (0 dB)
				11	5	32 (0 dB)
39	Special audible ring-busy tone	0	6	0	5	32 (0 dB)
				11	5	32 (0 dB)
				0	5	32 (0 dB)
				11	5	32 (0 dB)
				10	10	32 (0 dB)
40	Internal Call Waiting Tone (Transfer, Call Waiting Tone)	1	1	0	20	32 (0 dB)
				6	1	32 (0 dB)
41	Intrusion tone	1	1	2	8	32 (0 dB)
42	Conference tone	1	0	2	8	32 (0 dB)
43	Intrusion tone 2	0	0	0	0	32 (0 dB)
44	External Dial Tone (DUD,DISA Dial Tone)	0	2	1	1	26 (- 3 dB)
				2	1	26 (- 3 dB)
45	External Ring Back Tone (Ring Tone DDI)	0	4	27	4	32 (0 dB)
				0	2	32 (0 dB)
				27	4	32 (0 dB)
				0	20	32 (0 dB)
46	External Busy Tone (Busy Tone DDI)	0	2	1	25	32 (0 dB)
				0	5	32 (0 dB)
47	Number unobtainable tone	0	1	11	0	32 (0 dB)
48	VM message indication tone	0	2	0	1	32 (0 dB)
				1	2	32 (0 dB)
50	External special audible ring tone	0	3	10	10	32 (0 dB)
				12	2	32 (0 dB)
				0	30	32 (0 dB)
51	External intercept tone	0	2	12	3	32 (0 dB)
				4	2	32 (0 dB)
52	External call waiting tone	1	1	12	3	32 (0 dB)
53	External executive override tone	1	1	12	10	32 (0 dB)
55	Generate tone for TAPI2.1	0	1	6	10	32 (0 dB)
56	Warning Beep Tone Signaling	1	1	2	8	38 (+3 dB)

Service Tone No.	Service Tone Name	Repeat Count	Unit Count	Basic Tone No.	Duration	Gain Level (dB)
57	Headset Ear Piece Ringing Tone	0	5	0 2 0 2 0	2 1 1 1 20	32 (0 dB) 38 (+3 dB) 32 (0 dB) 38 (+3 dB) 32 (0 dB)
58	Opening Chime tone	1	8	2 2 14 14 15 15 16 16	2 2 2 2 2 2 6 4	32 (0 dB) 26 (- 3 dB) 32 (0 dB) 26 (- 3 dB) 32 (0 dB) 26 (- 3 dB) 32 (0 dB) 26 (- 3 dB)
59	Ending Chime tone	1	8	20 20 19 19 18 18 17 17	2 2 2 2 2 2 6 4	32 (0 dB) 26 (- 3 dB) 32 (0 dB) 26 (- 3 dB) 32 (0 dB) 26 (- 3 dB) 32 (0 dB) 26 (- 3 dB)
60	Splash tone 1 (Mute)	1	2	0 6	1 1	32 (0 dB) 8 (- 12 dB)
61	Splash tone 2 (Mute)	2	2	0 6	1 1	32 (0 dB) 8 (- 12 dB)
62	Splash tone 3 (Mute)	3	2	0 6	1 1	32 (0 dB) 8 (- 12 dB)
63	EXT SPK Ring-back Tone	0	2	3 0	10 20	32 (0 dB) 32 (0 dB)
64	Special Hold Tone	3	4	11 0 11 0	2 3 2 12	35 (+ 1.5 dB) 32 (0 dB) 35 (+ 1.5 dB) 32 (0 dB)

Conditions

- The system must be reset for any changes to these items to take affect.

Feature Cross Reference

- Selectable Ring Tones

Program 80 : Basic Hardware Setup for System

80-02 : DTMF Tone Setup

Level
MF

Description

Use **Program 80-02 : DTMF Tone Setup** to define the duration (On time) and pause (Off time) for DTMF dialing. This option affects all trunk line calls system wide. Make separate entries for duration and pause. It is also possible to adjust the level of both high and low frequency tone.

Input Data

Item No.	Item	Input Data	Default
01	Duration	1 ~ 255	5 (100 ms)
02	Pause	1 ~ 255	5 (100 ms)
03	Tone Level (Low) (dB)	1 ~ 97 (- 45.0 ~ 0 = + 3)	73 (- 9 dB)
04	Tone Level (High)	1 ~ 97 (- 45.0 ~ 0 = + 3)	77 (- 7 dB)



Conditions

None

Feature Cross Reference

None

Program

80

Program 80 : Basic Hardware Setup for System

80-03 : DTMF Tone Receiver Setup

Level
IN

Program

80

Description

Use **Program 80-03 : DTMF Tone Receiver Setup** to define the various levels and timers for the DTMF Tone Receiver.

DTMF Tone Receiver Type :

- 1 = DTMF Receiver for Extension
- 2 = DTMF Receiver for Trunk
- 3 ~ 5 = Reserved

Input Data

DTMF Tone Receiver Type Number	1 = DTMF Receiver for Extension 2 = DTMF Receiver for Trunk 3 = --- Reserved --- 4 = --- Reserved --- 5 = --- Reserved ---
--------------------------------	---

Item No.	Item	Input Data	Default
01	Detect Level	0 = 0 dBm ~ - 25 dBm 1 = - 5 dBm ~ - 30 dBm 2 = - 10 dBm ~ - 35 dBm 3 = - 15 dBm ~ - 40 dBm 4 = - 20 dBm ~ - 45 dBm 5 = - 25 dBm ~ - 50 dBm 6 = - 30 dBm ~ - 55 dBm	Refer below
02	Start Delay Time	0 ~ 255 (0.25 ms ~ 64 ms)	Refer below
03	Min. Detect Level	0 ~ 15 DTMF Tone 0 = - 10 dBm (0) to - 25 dBm (15) DTMF Tone 1 = - 15 dBm (0) to - 30 dBm (15) DTMF Tone 2 = - 20 dBm (0) to - 35 dBm (15) DTMF Tone 3 = - 25 dBm (0) to - 40 dBm (15) DTMF Tone 4 = - 30 dBm (0) to - 45 dBm (15) DTMF Tone 5 = - 35 dBm (0) to - 50 dBm (15) DTMF Tone 6 = - 40 dBm (0) to - 55 dBm (15)	Refer below
04	Max. Detect Level	0 ~ 15 DTMF Tone 0 = 0 dBm (0) to - 15 dBm (15) DTMF Tone 1 = - 5 dBm (0) to - 20 dBm (15) DTMF Tone 2 = - 10 dBm (0) to - 25 dBm (15) DTMF Tone 3 = - 15 dBm (0) to - 30 dBm (15) DTMF Tone 4 = - 20 dBm (0) to - 35 dBm (15) DTMF Tone 5 = - 25 dBm (0) to - 40 dBm (15) DTMF Tone 6 = - 30 dBm (0) to - 45 dBm (15)	Refer below
05	Forward Twist Level	0 ~ 9 (1 dB ~ 10 dB)	Refer below
06	Backward Twist Level	0 ~ 9 (1 dB ~ 10 dB)	Refer below
07	ON Detect Time	1 ~ 255 (15 + 15 ms ~ 3825 ms)	Refer below
08	OFF Detect Time	1 ~ 255 (15 + 15 ms ~ 3825 ms)	Refer below
09	Area Type	0 = Other 1 = Aust	Refer below

Default

Item No	Item	Type 1	Type 2	Type 3	Type 4	Type 5
01	Detect Level	0	0	0	0	0
02	Start delay time	0	0	0	0	0
03	Min. detect level	15 (- 25 dBm)	15 (- 25 dBm)	15 (- 25 dBm)	15 (- 25 dBm)	15 (- 25 dBm)
04	Max. detect level	0 (0 dBm)	0 (0 dBm)	0 (0 dBm)	0 (0 dBm)	0 (0 dBm)
05	Forward twist level	9 (10 dBm)	9 (10 dBm)	9 (10 dBm)	9 (10 dBm)	9 (10 dBm)
06	Backward twist level	9 (10 dBm)	9 (10 dBm)	9 (10 dBm)	9 (10 dBm)	9 (10 dBm)

Item No	Item	Type 1	Type 2	Type 3	Type 4	Type 5
07	ON detect time	1 (30 ms)	1 (30 ms)	1 (30 ms)	1 (30 ms)	1 (30 ms)
08	OFF detect time	1 (30 ms)	1 (30 ms)	1 (30 ms)	1 (30 ms)	1 (30 ms)
09	Area Type	1	1	1	1	1

Conditions

None

Feature Cross Reference

None

Program 80 : Basic Hardware Setup for System

80-04 : Call Progress Tone Detector Setup

Level
IN

Program

80

Description

Use **Program 80-04 : Call Progress Tone Detector Setup** to define the various levels and timers for the Call Progress Tone Detector.

Tone Detector Type :

- 1 = Dial Tone for Trunk
- 2 = Busy Tone for Trunk
- 3 = Ring Back Tone for Trunk
- 4 = Special Busy Tone for Trunk
- 5 = Special Ring Back Tone for Trunk

Input Data

Tone Detector Type Number	1 = Dial Tone for Trunk 2 = Busy Tone for Trunk 3 = Ring Back Tone for Trunk 4 = Special Busy Tone for Trunk 5 = Special Ring Back Tone for Trunk
----------------------------------	--

Item No.	Item	Input Data	Default
01	Detection Level	0 = 0 dBm ~ - 25 dBm 1 = - 5 dBm ~ - 30 dBm 2 = - 10 dBm ~ - 35 dBm 3 = - 15 dBm ~ - 40 dBm 4 = - 20 dBm ~ - 45 dBm 5 = - 25 dBm ~ - 50 dBm 6 = - 30 dBm ~ - 55 dBm	Refer below
02	Min. Detection Level	0 ~ 15 0 = - 10 dBm (0) ~ - 25 dBm (15) 1 = - 15 dBm (0) ~ - 30 dBm (15) 2 = - 20 dBm (0) ~ - 35 dBm (15) 3 = - 25 dBm (0) ~ - 40 dBm (15) 4 = - 30 dBm (0) ~ - 45 dBm (15) 5 = - 35 dBm (0) ~ - 50 dBm (15) 6 = - 40 dBm (0) ~ - 55 dBm (15)	Refer below
03	S/N Ratio	0 ~ 4 (0 dB ~ - 20 dB)	Refer below
04	No Tone Time	0 ~ 255 (30 + 30 ~ 7680 ms) (0 = not detect) 1 ~ 255 = 60 ~ 7680 ms The formula is 30 + 30N When set to N = 1, it means 30 + 30 * 1 = 60. When set to N = 255, it means 30 + 30 * 255 = 7680.	Refer below
05	Pulse Count	1 ~ 255	Refer below
06	ON Minimum Time	1 ~ 255 (30 + 30 ~ 7680 ms)	Refer below
07	ON Maximum Time	0 ~ 255 (30 + 30 ~ 7680 ms)	Refer below
08	OFF Minimum Time	1 ~ 255 (30 + 30 ~ 7680 ms)	Refer below
09	OFF Maximum Time	0 ~ 255 (30 + 30 ~ 7680 ms)	Refer below
12	Frequency No. 1	1 ~ 8 (Frequency Table No. set by 80-07)	Refer below
13	Frequency No. 2	0 ~ 8 (0 = Not Used) (Frequency Table No. set by 80-07)	Refer below
14	Twist Level	0 ~ 10 (1 dB ~ 10 dB) (0 = Not Used)	Refer below

Default

(V1.5 or higher)

Item	Name	Type 1 (DT)	Type 2 (BT)	Type 3 (RBT)	Type 4	Type 5
1	Detect Level	0 (- 25 dBm)	0 (- 25 dBm)	0 (- 25 dBm)	0	0
2	Min. detect level	15 (- 25 dBm)	15 (- 25 dBm)	15 (- 25 dBm)	0	0
3	S/N ratio	4 (- 20 dB)	4 (- 20 dB)	4 (- 20 dB)	0	0
4	No tone time	132 (3990 ms)	13 (420 ms)	132 (3990 ms)	0	0
5	Pulse Count	1	2	1	0	0
6	ON min. time	9 (300 ms)	10 (330 ms)	25 (780 ms)	0	0
7	ON max. time	0	14 (450 ms)	40 (1230ms)	0	0
8	OFF min. time	1 (60 ms)	10 (330 ms)	83 (2520 ms)	0	0
9	OFF max. time	1 (60 ms)	14 (450 ms)	115 (3480 ms)	0	0
12	Frequency No 1	1	1	1	1	1
13	Frequency No 2	0	0	0	0	0
14	Twist Level	0	0	0	0	0

Conditions

None

Feature Cross Reference

None

Program 80 : Basic Hardware Setup for System

80-05 : Date Format for SMDR and System

Level

IN

Program

80

Description

Use **Program 80-05 : Date Format for SMDR and System** to define the date format when printing out the SMDR, alarm report, and system information report.

Input Data

Item No.	Item	Input Data	Default
01	Date Format	0 = American Format (Month / Day / Year) 1 = Japanese Format (Year / Month / Day) 2 = European Format (Day / Month / Year)	2

Conditions

None

Feature Cross Reference

None

Program 80 : Basic Hardware Setup for System

80-06 : Reference Impedance Setup

Level
IN

Description

Use **Program 80-06: Reference Impedance Setup** to define the change of Reference Impedance (600 Ω or complex) in SLIU PKG and COIU PKG

Input Data

Item No.	Item	Input Data	Default
01	Reference Impedance Setup	0 = 600 Ω 1 = Complex	1

Conditions

None

Feature Cross Reference

None

Program

80

Program 80 : Basic Hardware Setup for System

80-07 : Call Progress Tone Detector Frequency Setup

Level
IN

Program

80

Description

Use **Program 80-07 : Call Progress Tone Detector Frequency Setup** to set the frequency of the detection tone set with Program 80-04-12 and Program 80-04-13.

Input Data

Frequency Table Number		1 ~ 8
Frequency Table No.	Input Data	Default
1	0, 10 ~ 255 (100 ~ 2550 Hz) (0 = Not used)	41 (410 Hz)
2		0
3		0
4		0
5		0
6		0
7		0
8		0

Conditions

None

Feature Cross Reference

None

Program 80 : Basic Hardware Setup for System

80-08 : MFC Tone Setup

Level
IN

Description

Use **Program 80-08 : MFC Tone Setup** to define the duration (On time) and pause (Off time) for MFC dialing. This option affects all trunk line calls system wide. And also it is possible to adjust the level of tone.

Input Data

Item No.	Item	Input Data	Default
01	Duration (On time)	1 ~ 255 (20 ms ~ 5100 ms)	5 (100 ms)
02	Pause (Off time)	1 ~ 255 (20 ms ~ 5100 ms)	5 (100 ms)
03	Tone Level	1 ~ 97 (- 45 dB ~ + 3 dB)	77 (- 7 dB)



Conditions

None

Feature Cross Reference

None

Program

80

Program 80 : Basic Hardware Setup for System

80-09 : Short Ring Setup

Level
IN

Description

Use **Program 80-09 : Short Ring Setup** to define the short ring tone for SL1100 multiline terminals.

Input Data

Short Ring Number			01 ~ 32	
Item No.	Item	Input Data	Description	Default
01	Frequency 1	00 = No setting, 01 ~ 15	Refer to Frequency 1/2 Table .	Refer below
02	Frequency 2	00 = No setting, 01 ~ 15	Refer to Frequency 1/2 Table .	Refer below
03	Ring Cycle	00 = No setting, 01 ~ 14	Refer to Ring Cycle Table .	Refer below



When a single tone is sent, Frequency 1/2 is set to the same value.

Table 2-13 Frequency 1/2 Table

Data	Frequency (Hz)
01	392
02	440
03	494
04	523
05	587
06	659
07	698
08	784
09	880
10	988
11	1046
12	1175
13	1318
14	1397
15	1568

Table 2-14 Ring Cycle Table

Data	Ring Cycle (ms)
01	125 (On) / Off
02	125 (On) / 125 (Off) / 125 (On) / Off
03	125 (On) / 125 (Off) / 125 (On) / 125 (Off) / 125 (On) / Off
04	125 (On) / 125 (Off) / 125 (On) / 125 (Off) / 125 (On) / 125 (Off) / 125 (On) / Off
05	250 (On) / Off
06	250 (On) / 250 (Off) / 250 (On) / Off
07	250 (On) / 250 (Off) / 250 (On) / 250 (Off) / 250 (On) / Off
08	250 (On) / 250 (Off) / 250 (On) / 250 (Off) / 250 (On) / 250 (Off) / 250 (On) / Off
09	325 (On) / Off
10	325 (On) / 325 (Off) / 325 (On) / Off
11	325 (On) / 325 (Off) / 325 (On) / 325 (Off) / 325 (On) / Off
12	500 (On) / Off
13	500 (On) / 500 (Off) / 500 (On) / Off
14	1000 (On) / Off

Table 2-15 Default Table

Short Ring No.	Short Tone Name	Frequency 1	Frequency 2	Ring Cycle
1	Confirmation Tone	8	8	1
2	Error Tone	8	8	14

Short Ring No.	Short Tone Name	Frequency 1	Frequency 2	Ring Cycle
3	Alarm Tone for long conversation call	4	4	14
4	Not defined	0	0	0
:	:	:	:	:
32	Not defined	0	0	0

Conditions

None

Feature Cross Reference

None

Program 80 : Basic Hardware Setup for System

80-11 : MFC Tone Receiver Setup

Level
IN

Program

80

Description

Use Program 80-11 : MFC Tone Receiver Setup to various data for the MFC signal detection.

Input Data

MFC Tone Receiver Type Number	1 = MFC Receiver for Extension 2 = MFC Receiver for Trunk 3 = Reserved 4 = Reserved 5 = Reserved
-------------------------------	---

Item No.	Item	Input Data	Default
01	Detect Level	0 = 0 dBm ~ - 25 dBm 1 = - 5 dBm ~ - 30 dBm 2 = - 10 dBm ~ - 35 dBm 3 = - 15 dBm ~ - 40 dBm 4 = - 20 dBm ~ - 45 dBm 5 = - 25 dBm ~ - 50 dBm 6 = - 30 dBm ~ - 55 dBm	Refer below
02	Start delay time	0 ~ 255 (0.25 step, 0 ms ~ 64 ms)	Refer below
03	Min. detect level	0 ~ 15 detect level 0 = - 10 dBm (0) ~ - 25 dBm (15) detect level 1 = - 15 dBm (0) ~ - 30 dBm (15) detect level 2 = - 20 dBm (0) ~ - 35 dBm (15) detect level 3 = - 25 dBm (0) ~ - 40 dBm (15) detect level 4 = - 30 dBm (0) ~ - 45 dBm (15) detect level 5 = - 35 dBm (0) ~ - 50 dBm (15) detect level 6 = - 40 dBm (0) ~ - 55 dBm (15)	Refer below
04	Max. detect level	0 ~ 15 detect level 0 = 0 dBm (0) ~ - 15 dBm (15) detect level 1 = - 5 dBm (0) ~ - 20 dBm (15) detect level 2 = - 10 dBm (0) ~ - 25 dBm (15) detect level 3 = - 15 dBm (0) ~ - 30 dBm (15) detect level 4 = - 20 dBm (0) ~ - 35 dBm (15) detect level 5 = - 25 dBm (0) ~ - 40 dBm (15) detect level 6 = - 30 dBm (0) ~ - 45 dBm (15)	Refer below
05	Twist level	0 ~ 9 (1 dB ~ 10 dB)	Refer below
06	S/N ratio	0 ~ 4 (- 5 step, 0 dB ~ - 20 dB)	Refer below
07	ON detect time	1 ~ 255 (15 step, 30 ms ~ 3840 ms)	Refer below
08	OFF detect time	1 ~ 255 (15 step, 30 ms ~ 3840 ms)	Refer below

Table 2-16 Default Table

Item	Name	Type 1	Type 2	Type 3	Type 4	Type 5
01	Detect Level	0	0	0	0	0
02	Start delay time	0	0	0	0	0
03	Min. detect level	15 (- 25 dBm)	15 (- 25 dBm)	15 (- 25 dBm)	15 (- 25 dBm)	15 (- 25 dBm)
04	Max. detect level	0 (0 dBm)	0 (0 dBm)	0 (0 dBm)	0 (0 dBm)	0 (0 dBm)
05	Twist level	9 (10 dBm)	9 (10 dBm)	9 (10 dBm)	9 (10 dBm)	9 (10 dBm)
06	S/N ratio	2 (0 dBm)	2 (0 dBm)	2 (0 dBm)	2 (0 dBm)	2 (0 dBm)
07	ON detect time	1 (30 ms)	1 (30 ms)	1 (30 ms)	1 (30 ms)	1 (30 ms)
08	OFF detect time	1 (30 ms)	1 (30 ms)	1 (30 ms)	1 (30 ms)	1 (30 ms)

Conditions

None

Feature Cross Reference

None

Program

80

Program 80 : Basic Hardware Setup for System

80-12 : Caller ID Receiver Setup

Level
IN

Program

80

Description

Use **Program 80-12 : Caller ID Receiver Setup** defines the type and level for Caller ID detection of DSP.

Input Data

Item No.	Item	Input Data	Default
01	Type	0 = NTT 1 = Other 2 = Korea	1
02	Level (Mark)	0 ~ 32766	50
03	Level (Space)	0 ~ 32766	50
04	Bit Sampling Type	0 = Other 1 = Malaysia	0
05	1st Bit Offset	0 ~ 32766	10
06	Minimum Seizure Count	0 ~ 32766	10
07	Guard Time when Mark	0 ~ 32766	1

Conditions

None

Feature Cross Reference

None

Program 81 : Basic Hardware Setup for Trunk

81-01 : CO Initial Data Setup

Level
IN

Description

Use **Program 81-01 : CO Initial Data Setup** to define the various basic data parameters for the COIU.

Input Data

Item No.	Item	Input Data	Default
01	PCM Encoding Method Specification	0 = μ -law 1 = A-law	1 (A-law)
02	Loop Current Detection Time	1 ~ 255 (10 ~ 2550 ms)	18 (180 ms)
03	Clear Signal (Open Loop) Detection Time	1 ~ 255 (5 ~ 1275 ms)	62 (310 ms)
04	Ringing Signal Detection Minimum Time	1 ~ 255 (10 ~ 2550 ms)	10 (100 ms)
05	Single Ringing Detection Minimum Time	0 ~ 255 (0, 10 ~ 2550 ms)	66 (660 ms)
06	Double Ringing Detection Minimum Off Time	0 ~ 255 (0, 10 ~ 2550 ms)	10 (100 ms)
07	Double Ringing Detection Maximum Off Time	0 ~ 255 (0, 10 ~ 2550 ms)	60 (600 ms)
08	Ringing Signal not Detection Minimum	1 ~ 255 (10 ~ 2550 ms)	70 (700 ms)
09	Time Ringing Signal Stop Detection Time	1 ~ 255 (100 ~ 25500 ms)	24 (2400 ms)
10	Continuous Ringing Minimum Time	0 ~ 255 (0, 10 ~ 2550 ms)	20 (200 ms)
11	Continuous Ringing Maximum Time	0 ~ 255 (0, 10 ~ 2550 ms)	70 (700 ms)
14	Hook Flash 1 Time	1 ~ 255 (10 ~ 2550 ms)	10 (100 ms)
15	Hook Flash 2 Time	1 ~ 255 (100 ~ 25500 ms)	25 (2500 ms)
16	Pause Time	1 ~ 255 (100 ~ 25500 ms)	30 (3000 ms)
17	PFT Idle Detection Time	1 ~ 255 (100 ~ 25500 ms)	30 (3000 ms)
20	Loop Reverse Detect Minimum Time	1 ~ 255 (10 ~ 2550 ms)	10 (100 ms)
21	Loop Reverse Detect Maximum Time	1 ~ 255 (10 ~ 2550 ms)	86 (860 ms)
22	Loop Disconnect Detect Minimum Time	1 ~ 255 (10 ~ 2550 ms)	50 (500 ms)
23	Loop Disconnect Detect Maximum Time	1 ~ 255 (10 ~ 2550 ms)	70 (700 ms)
27	Dial Pulse Break Time (10pps)	1 ~ 255 (5 ~ 1275 ms)	21 (105 ms)
28	Dial Pulse Make Time (10pps)	1 ~ 255 (5 ~ 1275 ms)	11 (55 ms)
29	DP Inter-digit Time (10pps)	1 ~ 255 (10 ~ 2550 ms)	80 (800 ms)
36	Long Ringing Detection Minimum Time	1 ~ 255 (100 ~ 25500 ms)	24 (2400 ms)

Conditions

None

Program

81

Feature Cross Reference

None

Program

81

Program 81 : Basic Hardware Setup for Trunk

81-04 : ISDN BRI Layer 1 (T-Point) Initial Data Setup

Level
MF

Description

Use **Program 81-04 : ISDN BRI Layer 1 (T-Point) Initial Data Setup** to define the various basic data for layer 1 of ISDN BRI.

Input Data

Item No.	Item	Input Data	Default
01	Wait time for Physical Activation (Timer 3)	1 ~ 255 (200 ~ 51000 ms)	100 (20 sec)
02	Detection time for Physical Deactivation	1 ~ 255 (200 ~ 51000 ms)	5 (1 sec)

Conditions

None

Feature Cross Reference

None

Program

81

Program 81 : Basic Hardware Setup for Trunk

81-05 : ISDN BRI & PRI Layer 2 (T-Point) Initial Data Setup

Level

MF

Program

81

Description

Use **Program 81-05 : ISDN BRI & PRI Layer 2 (T-Point) Initial Data Setup** to define the various basic data for layer 2 of ISDN BRI and PRI.

Input Data

Item No.	Item	Input Data	Description	Default
01	Timer T200	1 ~ 255 (100 ~ 25500 ms)	Specify the timer value in 1/100ths of a second at the end of which transmission of a frame may be initiated.	10 (1 sec)
02	Timer T201	1 ~ 255 (100 ~ 25500 ms)	Specify the minimum time in 1/100ths of a second between retransmissions of the TEI Identity check messages.	10 (1 sec)
03	Timer T202	1 ~ 255 (100 ~ 25500 ms)	Specify the minimum time in 1/100ths of a second between retransmissions of the TEI Identity check messages.	20 (2 sec)
04	Timer T203	1 ~ 255 (100 ~ 25500 ms)	Specify the maximum time in 1/100ths of a second allowed without exchanging frames.	250 (25 sec)
05	N200	1 ~ 255	Specify the retransmission count.	3
06	N201	1 ~ 65535 (Byte)	Specify the frame lengths in ocelots.	260
07	N202	1 ~ 255	Specify the maximum number of transmissions from a TEI identity request message when the user requests a TEI.	3

Conditions

None

Feature Cross Reference

None

Program 81 : Basic Hardware Setup for Trunk

81-06 : ISDN BRI & PRI Layer 3 (T-Point) Timer Setup

Level
IN

Description

Use **Program 81-06 : ISDN BRI & PRI Layer 3 (T-Point) Timer Setup** to define the various basic timers for layer 3 of ISDN BRI/PRI (defined in Program 10-03-04).

Input Data

Layer 3 Timer Type Number			1 ~ 5	
Item No.	Item	Input Data	Description	Default
01	T301	0, 180 ~ 254 seconds	Specifies the timer value in 1/100ths of a second of the timer to be started when the ALERT message is received.	180 seconds
02	T302	1 ~ 254 seconds	Specifies the timer value in 1/100ths of a second of the timer to be started when the SETUP ACK is sent. Timer is also restarted when INFO is received.	15 seconds
03	T303	1 ~ 254 seconds	Specifies the timer value in 1/100ths of a second of the timer to be started when SETUP is sent.	4 seconds
04	T304	0 ~ 254 seconds	Specifies the timer value in 1/100ths of a second of the timer to be started when the SETUP ACK is received. Timer is also restarted when INFO is received.	30 seconds
05	T305	1 ~ 254 seconds	Specifies the timer value in 1/100ths of a second of the timer to be started when DISC without progress No. 8 is sent.	30 seconds
06	T306	0 ~ 254 seconds	Specifies the timer value in 1/100ths of a second of the timer to be started when DISC with progress indicator No. 8 is sent. This timer is valid for Network side use only.	30 seconds
07	T307	1 ~ 254 seconds	Specifies the timer value in 1/100ths of a second of the timer to be started when SUSPEND ACK is sent. This timer is valid only for Network side use only.	180 seconds
08	T308	1 ~ 254 seconds	Specifies the timer value in 1/100ths of a second of the timer to be started when REL is sent.	4 seconds
09	T309	1 ~ 254 seconds	Specifies the timer value in 1/100ths of a second upon data link disconnection.	90 seconds
10	T310	0 ~ 180 seconds	Specifies the timer value in 1/100ths of a second of the timer to be started when CALL PROC is sent.	180 seconds
11	T312	1 ~ 254 seconds	Specifies the timer value in 1/100ths of a second of the timer to be started when SETUP is sent or re-sent on broadcast data link. This timer is only valid for Network side use only.	6 seconds
12	T313	1 ~ 254 seconds	Specifies the timer value in 1/100ths of a second of the timer to be started when connection request is sent. Valid range 1 ~ 4 seconds in 1 second increments. Value of 0 indicates timer not used.	4 seconds
13	T314	1 ~ 254 seconds	Specifies the timer value in 1/100ths of a second of the timer to be started when message segment is received.	4 seconds
14	T316	(T317 + 1) ~ 254 seconds	Specifies the timer value in 1/100ths of a second of the timer to be started when RESTART is sent.	120 seconds
15	T317	1 ~ (T316-1)	Specifies the timer value in 1/100ths of a second of the timer to be started when RESTART is received.	60 seconds

Program

81

Item No.	Item	Input Data	Description	Default
16	T318	1 ~ 254 seconds	Specifies the timer value in 1/100ths of a second of the timer to be started when RES is sent. This timer is valid for user side use only.	4 seconds
17	T319	1 ~ 254 seconds	Specifies the timer value in 1/100ths of a second of the timer to be started when SUSPEND is sent. This timer is valid for user side use only.	4 seconds
18	T320	1 ~ 254 seconds	Specifies the timer value in 1/100ths of a second when B-channel access: connection is received or D-channel access: DL-ESTABLISH confirmation or indication is received.	30 seconds
19	T321	1 ~ 254 seconds	Specifies the timer value in 1/100ths of a second of the timer to be started when STATUS ENQ is received.	30 seconds
20	T322	1 ~ 254 seconds	Specifies the timer value in 1/100ths of a second upon D-channel failure.	4 seconds

Conditions

None

Feature Cross Reference

- ISDN Compatibility

Program 81 : Basic Hardware Setup for Trunk

81-07 : CODEC Filter Setup for Analog Trunk Port

Level
IN

Description

Use **Program 81-07 : CODEC Filter Setup for Analog Trunk Port** to define the CODEC (QSLAC) Filter for each analog trunk port.

Input Data

Trunk Port Number		001 ~ 096
Item No.	CODEC Filter Type	Default
01	0 = Type 0 1 = Type 1 2 = Type 2 3 = Type 3 4 = Type 4 5 = Type 5 6 = Type 6 7 = Type 7 8 = Type 8 9 = Type 9 10 = Type 10 11 = Type 11 12 = Type 12 13 = Type 13 14 = Type 14 15 = Type 15	1

Conditions

None

Feature Cross Reference

None

Program

81

Program 81 : Basic Hardware Setup for Trunk

81-08 : T1 Trunk Timer Setup

Level
IN

Program

Description

Use **Program 81-08 : T1 Trunk Timer Setup** to define the basic timer setting of each T1 Trunk type.

Input Data

Item No.	Item	Input Data	Default
01	Answer Signal Detection Time (Loop)	1 ~ 250 (4 ms ~ 1000 ms)	15 (60 ms)
02	Answer Signal Detection Time (Ground)	1 ~ 250 (4 ms ~ 1000 ms)	15 (60 ms)
03	Answer Signal Detection Time (DID)	1 ~ 250 (4 ms ~ 1000 ms)	15 (60 ms)
04	Answer Signal Detection Time (E&M)	1 ~ 250 (4 ms ~ 1000 ms)	15 (60 ms)
05	Answer Signal Detection Time (OPX)	1 ~ 250 (4 ms ~ 1000 ms)	15 (60 ms)
06	Clear Signal Detection Time (Loop)	1 ~ 255 (100 ms ~ 25500 ms)	6 (600 ms)
07	Clear Signal Detection Time (Ground)	1 ~ 255 (100 ms ~ 25500 ms)	6 (600 ms)
08	Clear Signal Detection Time (DID)	1 ~ 255 (100 ms ~ 25500 ms)	6 (600 ms)
09	Answer Signal Detection Time (E&M)	1 ~ 255 (100 ms ~ 25500 ms)	6 (600 ms)
10	Clear Signal Detection Time (OPX)	1 ~ 255 (100 ms ~ 25500 ms)	6 (600 ms)
11	Ringing Signal Detection Time (Loop)	1 ~ 250 (8 ms ~ 2000 ms)	10 (80 ms)
12	Ringing Signal Detection Time (Ground)	1 ~ 250 (8 ms ~ 2000 ms)	10 (80 ms)
13	Ringing Signal Detection Time (DID)	1 ~ 250 (8 ms ~ 2000 ms)	10 (80 ms)
14	Ringing Signal Detection Time (E&M)	1 ~ 250 (8 ms ~ 2000 ms)	10 (80 ms)
15	Ringing Signal Detection Time (OPX)	1 ~ 250 (8 ms ~ 2000 ms)	10 (80 ms)
16	Ringing Signal Stop Detection Time (Loop)	1 ~ 255 (100 ms ~ 25500 ms)	50 (5000 ms)
17	Ringing Signal Stop Detection Time (Ground)	1 ~ 255 (100 ms ~ 25500 ms)	50 (5000 ms)
18	Ringing Signal Stop Detection Time (DID)	1 ~ 255 (100 ms ~ 25500 ms)	50 (5000 ms)
19	Ringing Signal Stop Detection Time (E&M)	1 ~ 255 (100 ms ~ 25500 ms)	50 (5000 ms)
20	Ringing Signal Stop Detection Time (OPX)	1 ~ 255 (100 ms ~ 25500 ms)	50 (5000 ms)
21	Loop Current Detection Time (Loop)	1 ~ 250 (4 ms ~ 1000 ms)	40 (160 ms)
22	Loop Current Detection Time (Ground)	1 ~ 250 (4 ms ~ 1000 ms)	40 (160 ms)
23	Loop Current Detection Time (DID)	1 ~ 250 (4 ms ~ 1000 ms)	40 (160 ms)
24	Loop Current Detection Time (E&M)	1 ~ 250 (4 ms ~ 1000 ms)	40 (160 ms)
25	Loop Current Detection Time (OPX)	1 ~ 250 (4 ms ~ 1000 ms)	40 (160 ms)
26	DP Break Send Time (ALL)	1 ~ 250 (4 ms ~ 1000 ms)	15 (60 ms)
27	DP Make Send Time (ALL)	1 ~ 250 (4 ms ~ 1000 ms)	10 (40 ms)
28	DP InterDigit Send Time (ALL)	1 ~ 255 (100 ms ~ 25500 ms)	7 (700 ms)
29	HookFlash Send Time (Loop)	1 ~ 255 (100 ms ~ 25500 ms)	5 (500 ms)
30	HookFlash Send Time (Ground)	1 ~ 255 (100 ms ~ 25500 ms)	5 (500 ms)
31	HookFlash Send Time (DID)	1 ~ 255 (100 ms ~ 25500 ms)	5 (500 ms)
32	HookFlash Send Time (E&M)	1 ~ 255 (100 ms ~ 25500 ms)	5 (500 ms)
33	HookFlash Send Time (OPX)	1 ~ 255 (100 ms ~ 25500 ms)	5 (500 ms)
34	Pause Send Time (ALL)	1 ~ 255 (1 sec ~ 255 sec)	3 (3 sec)

Item No.	Item	Input Data	Default
35	Wink Send Duration Time (DID)	1 ~ 250 (8 ms ~ 2000 ms)	25 (200 ms)
36	Delay Send Duration Time (DID)	1 ~ 250 (8 ms ~ 2000 ms)	25 (200 ms)
37	Incoming-Wink Send Time (DID)	1 ~ 255 (100 ms ~ 25500 ms)	3 (300 ms)
38	Wink Send Duration Time (E&M)	1 ~ 250 (8 ms ~ 2000 ms)	25 (200 ms)
39	Delay Send Duration Time (E&M)	1 ~ 250 (8 ms ~ 2000 ms)	25 (200 ms)
40	Incoming-Wink Send Time (E&M)	1 ~ 255 (100 ms ~ 25500 ms)	3 (300 ms)
41	Seizure-WINK/DELAY Receive Max. Time (DID)	1 ~ 255 (100 ms ~ 25500 ms)	48 (4800 ms)
42	Receive Wink Duration Min. Time (DID)	1 ~ 250 (8 ms ~ 2000 ms)	12 (96 ms)
43	Receive Wink Duration Max. Time (DID)	1 ~ 250 (8 ms ~ 2000 ms)	45 (360 ms)
44	Seizure-WINK/DELAY Receive Max. Time (E&M)	1 ~ 255 (100 ms ~ 25500 ms)	48 (4800 ms)
45	Receive Wink Duration Min. Time (E&M)	1 ~ 250 (8 ms ~ 2000 ms)	12 (96 ms)
46	Receive Wink Duration Max. Time (E&M)	1 ~ 250 (8 ms ~ 2000 ms)	45 (360 ms)
47	Receive DP Make Min. Time (ALL)	1 ~ 250 (4 ms ~ 1000 ms)	3 (12 ms)
48	Receive DP Make Max. Time (ALL)	1 ~ 250 (4 ms ~ 1000 ms)	19 (76 ms)
49	Receive DP Break Min. Time (ALL)	1 ~ 250 (4 ms ~ 1000 ms)	3 (12 ms)
50	Receive DP Break Max. Time (ALL)	1 ~ 250 (4 ms ~ 1000 ms)	25 (100 ms)
51	Receive DP InterDigit Min. Time (ALL)	1 ~ 250 (4 ms ~ 1000 ms)	125 (500 ms)
52	Receive HookFlash Duration Min. Time (E&M)	1 ~ 255 (100 ms ~ 25500 ms)	3 (300 ms)
53	Receive HookFlash Duration Max. Time (E&M)	1 ~ 255 (100 ms ~ 25500 ms)	6 (600 ms)
54	Receive HookFlash Duration Min. Time (OPX)	1 ~ 255 (100 ms ~ 25500 ms)	3 (300 ms)
55	Receive HookFlash Duration Max. Time (OPX)	1 ~ 255 (100 ms ~ 25500 ms)	6 (600 ms)
56	Loop Off Guard Time (Loop)	1 ~ 255 (100 ms ~ 25500 ms)	20 (2000 ms)
57	Loop Off Guard Time (Ground)	1 ~ 255 (100 ms ~ 25500 ms)	20 (2000 ms)
58	Loop Off Guard Time (DID)	1 ~ 255 (100 ms ~ 25500 ms)	20 (2000 ms)
59	Loop Off Guard Time (E&M)	1 ~ 255 (100 ms ~ 25500 ms)	20 (2000 ms)
60	Loop Off Guard Time (OPX)	1 ~ 255 (100 ms ~ 25500 ms)	20 (2000 ms)
61	Double Ringing Send Time 1 (OPX)	1 ~ 255 (100 ms ~ 25500 ms)	5 (500 ms)
62	Double Between Ringing Send Time 1 (OPX)	1 ~ 255 (100 ms ~ 25500 ms)	5 (500 ms)
63	Double Ringing Send Time 2 (OPX)	1 ~ 255 (100 ms ~ 25500 ms)	25 (2500 ms)
64	Double Between Ringing Send Time 2 (OPX)	1 ~ 255 (100 ms ~ 25500 ms)	30 (3000 ms)
65	Single Ringing Send Time (OPX)	1 ~ 255 (100 ms ~ 25500 ms)	10 (1000 ms)
66	Single Between Ringing Send Time (OPX)	1 ~ 255 (100 ms ~ 25500 ms)	9 (900 ms)
67	Guard Time 1 (LOOP)	1 ~ 255 (100 ms ~ 25500 ms)	9 (900 ms)
68	Guard Time 1 (GROUND)	1 ~ 255 (100 ms ~ 25500 ms)	9 (900 ms)
69	Guard Time 1 (DID)	1 ~ 255 (100 ms ~ 25500 ms)	9 (900 ms)
70	Guard Time 1 (E&M)	1 ~ 255 (100 ms ~ 25500 ms)	9 (900 ms)
71	Guard Time 1 (OPX)	1 ~ 255 (100 ms ~ 25500 ms)	9 (900 ms)
72	Guard Time 2 (ALL)	1 ~ 250 (4 ms ~ 1000 ms)	3 (12 ms)
73	Dial Sending Complete Time	1 ~ 255 (100 ms ~ 25500 ms)	20 (2000 ms)
74	ON-HOOK bit Send Time	1 ~ 255 (100 ms ~ 25500 ms)	40 (4000 ms)
75	Open Loop Time (LOOP)	1 ~ 255 (100 ms ~ 25500 ms)	6 (600 ms)
76	Open Loop Time (GROUND)	1 ~ 255 (100 ms ~ 25500 ms)	6 (600 ms)
77	Open Loop Time (DID)	1 ~ 255 (100 ms ~ 25500 ms)	6 (600 ms)
78	Open Loop Time (E&M)	1 ~ 255 (100 ms ~ 25500 ms)	6 (600 ms)
79	Open Loop Time (OPX)	1 ~ 255 (100 ms ~ 25500 ms)	6 (600 ms)
80	Close Loop Time (LOOP)	1 ~ 250 (4 ms ~ 1000 ms)	13 (52 ms)
81	Close Loop Time (DID)	1 ~ 250 (4 ms ~ 1000 ms)	13 (52 ms)
82	Ring GND Time (GROUND)	1 ~ 250 (4 ms ~ 1000 ms)	13 (52 ms)

Conditions

None

Feature Cross Reference

None

Program

81

Program 81 : Basic Hardware Setup for Trunk

81-09 : COT CODEC (QSLAC) Filter Setting

Level
IN

Description

Use **Program 81-09 : COT CODEC (QSLAC) Filter Setting** to define the filter setting data (when Program 81-07 is set to 4).

Input Data

Item No.	Item	Input Data	Default
01	B1 Filter Setup (1)	0 ~ 255	43
02	B1 Filter Setup (2)	0 ~ 255	102
03	B1 Filter Setup (3)	0 ~ 255	228
04	B1 Filter Setup (4)	0 ~ 255	58
05	B1 Filter Setup (5)	0 ~ 255	75
06	B1 Filter Setup (6)	0 ~ 255	189
07	B1 Filter Setup (7)	0 ~ 255	58
08	B1 Filter Setup (8)	0 ~ 255	194
09	B1 Filter Setup (9)	0 ~ 255	45
10	B1 Filter Setup (10)	0 ~ 255	194
11	B1 Filter Setup (11)	0 ~ 255	219
12	B1 Filter Setup (12)	0 ~ 255	45
13	B1 Filter Setup (13)	0 ~ 255	178
14	B1 Filter Setup (14)	0 ~ 255	208
15	B2 Filter Setup (1)	0 ~ 255	178
16	B2 Filter Setup (2)	0 ~ 255	208
17	AISN and Analog Gains	0 ~ 255	17
18	Z Filter Coefficients (1)	0 ~ 255	250
19	Z Filter Coefficients (2)	0 ~ 255	173
20	Z Filter Coefficients (3)	0 ~ 255	50
21	Z Filter Coefficients (4)	0 ~ 255	165
22	Z Filter Coefficients (5)	0 ~ 255	59
23	Z Filter Coefficients (6)	0 ~ 255	70
24	Z Filter Coefficients (7)	0 ~ 255	106
25	Z Filter Coefficients (8)	0 ~ 255	175
26	Z Filter Coefficients (9)	0 ~ 255	163
27	Z Filter Coefficients (10)	0 ~ 255	79
28	Z Filter Coefficients (11)	0 ~ 255	179
29	Z Filter Coefficients (12)	0 ~ 255	83
30	Z Filter Coefficients (13)	0 ~ 255	84
31	Z Filter Coefficients (14)	0 ~ 255	31
32	Z Filter Coefficients (15)	0 ~ 255	1
33	R Filter Coefficients (1)	0 ~ 255	170
34	R Filter Coefficients (2)	0 ~ 255	192
35	R Filter Coefficients (3)	0 ~ 255	187
36	R Filter Coefficients (4)	0 ~ 255	32
37	R Filter Coefficients (5)	0 ~ 255	203
38	R Filter Coefficients (6)	0 ~ 255	42
39	R Filter Coefficients (7)	0 ~ 255	171
40	R Filter Coefficients (8)	0 ~ 255	165
41	R Filter Coefficients (9)	0 ~ 255	42
42	R Filter Coefficients (10)	0 ~ 255	35
43	R Filter Coefficients (11)	0 ~ 255	67
44	R Filter Coefficients (12)	0 ~ 255	91
45	R Filter Coefficients (13)	0 ~ 255	43
46	R Filter Coefficients (14)	0 ~ 255	37
47	X Filter Coefficients (1)	0 ~ 255	202
48	X Filter Coefficients (2)	0 ~ 255	48
49	X Filter Coefficients (3)	0 ~ 255	37
50	X Filter Coefficients (4)	0 ~ 255	187
51	X Filter Coefficients (5)	0 ~ 255	170
52	X Filter Coefficients (6)	0 ~ 255	189

Program

81

Item No.	Item	Input Data	Default
53	X Filter Coefficients (7)	0 ~ 255	162
54	X Filter Coefficients (8)	0 ~ 255	163
55	X Filter Coefficients (9)	0 ~ 255	165
56	X Filter Coefficients (10)	0 ~ 255	204
57	X Filter Coefficients (11)	0 ~ 255	164
58	X Filter Coefficients (12)	0 ~ 255	165
59	GR Filter Coefficients (1)	0 ~ 255	202
60	GR Filter Coefficients (2)	0 ~ 255	160
61	GX Filter Coefficients (1)	0 ~ 255	58
62	GX Filter Coefficients (2)	0 ~ 255	178

Conditions

- This is used if Program 81-07 is set to 4 (Specified data).

Feature Cross Reference

None

Program 81 : Basic Hardware Setup for Trunk

81-13 : E1 Trunk Timer Setup

Level
IN

Description

Use **Program 81-13 : E1 Trunk Timer Setup** to define the basic timer setting of E1 Trunk.

Input Data

Trunk Port Number		001 ~ 096	
Item No.	Item	Input Data	Default
01	Loop Current Detection Time (Loop)	1 ~ 255 (16 ms ~ 4080 ms)	3 (48 ms)
02	Clear Signal (Open Loop) Detection Time	1 ~ 255 (16 ms ~ 4080 ms)	50 (800 ms)
03	Transmit Clear Signal Time for Forced Release	1 ~ 255 (16 ms ~ 4080 ms)	50 (800 ms)
04	Receive DP Inter-digit min. Time	1 ~ 255 (4 ms ~ 1020 ms)	125 (500 sec)
16	Pause Time	1 ~ 255 (64 ms ~ 16320 ms)	47 (3008 ms)
17	Pulse Dial Break Time	1 ~ 255 (4 ms ~ 1020 ms)	15 (60 ms)
18	Pulse Dial Make Time	1~255 (4ms ~ 1020ms)	10 (40 ms)
19	Pulse Dial Inter-digit Time	1 ~ 255 (16 ms ~ 4080 ms)	50 (800 ms)
20	Receive DP Make min Time	1 ~ 255 (4 ms ~ 1020 ms)	3 (12 ms)
21	Receive DP Make max Time	1 ~ 255 (4 ms ~ 1020 ms)	19 (76 ms)
22	Receive DP Break min Time	1 ~ 255 (4 ms ~ 1020 ms)	5 (20 ms)
23	Receive DP Break max Time	1 ~ 255 (4 ms ~ 1020 ms)	26 (104 ms)
24	Transmit Answer duration Time	1 ~ 255 (8 ms ~ 2040 ms)	38 (304 ms)
25	Transmit Double Answer duration Time	1 ~ 255 (64 ms ~ 16320 ms)	32 (2048 ms)
26	Receive Answer min Time	1 ~ 255 (8 ms ~ 2040 ms)	25 (200 ms)
27	Receive Answer max Time	1 ~ 255 (8 ms ~ 2040 ms)	50 (400 ms)
28	Receive Double Answer min Time	1 ~ 255 (64 ms ~ 16320 ms)	24 (1536 ms)
29	Receive Double Answer max Time	1 ~ 255 (64 ms ~ 16320 ms)	47 (3008 ms)
30	Transmit Seizure Acknowledge duration Time	1 ~ 255 (4 ms ~ 1020 ms)	25 (100 ms)
31	Receive Seizure Acknowledge min Time	1 ~ 255 (4 ms ~ 1020 ms)	25 (100 ms)
32	Receive Seizure Acknowledge max Time	1 ~ 255 (4 ms ~ 1020 ms)	75 (300 ms)
33	Transmit Digit Acknowledge duration Time	1 ~ 255 (4 ms ~ 1020 ms)	25 (100 ms)
34	Receive Digit Acknowledge min Time	1 ~ 255 (4 ms ~ 1020 ms)	25 (100 ms)
35	Receive Digit Acknowledge max Time	1 ~ 255 (4 ms ~ 1020 ms)	75 (300 ms)
36	Receive Meter Pulse min Time	1 ~ 255 (4 ms ~ 1020 ms)	25 (100 ms)
37	Receive Meter Pulse max Time	1 ~ 255 (4 ms ~ 1020 ms)	75 (300 ms)
38	Receive Line Block min Time	1 ~ 255 (64 ms ~ 16320 ms)	32 (2048 ms)
39	Receive Line Block recover min Time	1 ~ 255 (64 ms ~ 16320 ms)	32 (2048 ms)
40	Transmit Remove Ring Time	0 ~ 255 (0 ms ~ 1020 ms)	0 (0 ms)
41	Transmit Clear Signal Send Time	1 ~ 255 (16 ms ~ 4080 ms)	63 (1008 ms)
42	Transmit Seizure Signal Time	1 ~ 255 (8 ms ~ 2040 ms)	100 (800 ms)
43	Group A Response Time	1 ~ 32 (1 sec ~ 32 sec)	12 (12 sec)
44	Group A Tone Complete Time	1 ~ 32 (1 sec ~ 32 sec)	12 (12 sec)
45	Group B Response Time	1 ~ 32 (1 sec ~ 32 sec)	12 (12 sec)
46	Group B Tone Complete Time	1 ~ 32 (1 sec ~ 32 sec)	12 (12 sec)
47	Group C Response Time	1 ~ 32 (1 sec ~ 32 sec)	12 (12 sec)
48	Group C Tone Complete Time	1 ~ 32 (1 sec ~ 32 sec)	12 (12 sec)
49	Group I Signal Time	1 ~ 32 (1 sec ~ 32 sec)	12 (12 sec)
50	Group I Tone Complete Time	1 ~ 32 (1 sec ~ 32 sec)	12 (12 sec)
51	Group II Signal Time	1 ~ 32 (1 sec ~ 32 sec)	12 (12 sec)

Program

81

Conditions

- After set from Program 81-13-01 to 42, the E1 unit will be reset.

Feature Cross Reference

None

Program

81

Program 82 : Basic Hardware Setup for Extension

82-01 : Incoming Ring Tone

Level
IN

Program

82

Description

Use **Program 82-01 : Incoming Ring Tone** to set the incoming ring tones, which are the tones a user hears when a call rings an extension. These tones are grouped into four ring tone *Ranges* (1 ~ 4), also called patterns, that consist of a combination of frequencies. (You assign a specific *Range* to trunks in Program 22-03 and to extensions in Program 15-02.) Within each range there are three frequency *Types* : High, Middle and Low. (Service Code 720 allows users to choose the *Type* for their incoming calls.) Each *Type* in turn consists of two frequencies and the modulation played simultaneously to make up the tone. These frequencies are determined by their Frequency Number selected in Items 1 and 2 (see below). In this program, you assign the two *Frequency Numbers* and *Modulation* for each *Type*, for each of the four *Ranges*. The chart below shows the default *Frequency Numbers* for each *Type* in each *Range*.

Input Data

Incoming Ringing Tone Number	1 = Pattern 1 (Trunk Incoming) 2 = Pattern 2 (Trunk Incoming) 3 = Pattern 3 (Trunk Incoming) 4 = Pattern 4 (Trunk Incoming) 5 = Intercom Incoming Pattern 6 = Alarm Sensor Tone Pattern
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Ringing Tone Type Number	1 = High 2 = Mid 3 = Low
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Item No.	Item	Input Data
01	Frequency 1	1 = 520 Hz 2 = 540 Hz 3 = 660 Hz 4 = 760 Hz 5 = 1100 Hz 6 = 1400 Hz 7 = 2000 Hz
02	Frequency 2	
03	Modulation	
		0 = No Modulation 1 = 8 Hz Modulation 2 = 16 Hz Modulation 3 = Envelope

Default

Incoming Ringing Tone Number	Tone Type	Frequency 1 (Hz)	Frequency 2 (Hz)	Modulation
Pattern 1 (Trunk Incoming)	High Mid Low	1100 Hz 660 Hz 520 Hz	1400 Hz 760 Hz 660 Hz	16 Hz Modulation 16 Hz Modulation 16 Hz Modulation
Pattern 2 (Trunk Incoming)	High Mid Low	1100 Hz 660 Hz 520 Hz	1400 Hz 760 Hz 660 Hz	8 Hz Modulation 8 Hz Modulation 8 Hz Modulation
Pattern 3 (Trunk Incoming)	High Mid Low	2000 Hz 1400 Hz 1100 Hz	760 Hz 660 Hz 540 Hz	16 Hz Modulation 16 Hz Modulation 16 Hz Modulation
Pattern 4 (Trunk Incoming)	High Mid Low	2000 Hz 1400 Hz 1100 Hz	760 Hz 660 Hz 540 Hz	8 Hz Modulation 8 Hz Modulation 8 Hz Modulation
Pattern 5 (Intercom Incoming Pattern)	High Mid Low	1100 Hz 660 Hz 520 Hz	1400 Hz 760 Hz 660 Hz	8 Hz Modulation 8 Hz Modulation 8 Hz Modulation

Incoming Ringing Tone Number	Tone Type	Frequency 1 (Hz)	Frequency 2 (Hz)	Modulation
Pattern 6 (Alarm Sensor Pattern)	High	760 Hz	760 Hz	No Modulation
	Mid	760 Hz	760 Hz	No Modulation
	Low	760 Hz	760 Hz	No Modulation

Conditions

None

Feature Cross Reference

- Distinctive Ringing Tones and Flash Patterns
- Selectable Ring Tones

Program 82 : Basic Hardware Setup for Extension

82-04 : ASTU Initial Data Setup

Level
IN

Program

82

Description

Use **Program 82-04 : ASTU Initial Data Setup** to set the basic data of the SLT.

Input Data

Item No.	Item	Input Data	Default
01	Companding Method Type	0 = μ -law 1 = A-law	1
02	Ringing Frequency	0 = 25 Hz 1 = 20 Hz 2 = 16 Hz	0 (25 Hz)
03	Minimum Break Time	1 ~ 255 (5 ms ~ 1275 ms)	2 (10 ms)
04	Maximum Break Time	1 ~ 255 (5 ms ~ 1275 ms)	15 (75 ms)
05	Minimum Make Time	1 ~ 255 (5 ms ~ 1275 ms)	2 (10 ms)
06	Maximum Make Time	1 ~ 255 (5 ms ~ 1275 ms)	15 (75 ms)
07	Minimum Hook Flash Time	1 ~ 255 (5 ms ~ 1275 ms)	17 (85 ms)
08	Maximum Hook Flash Time	1 ~ 255 (5 ms ~ 1275 ms)	120 (600 ms)
09	Minimum Ground Flash Time	1 ~ 255 (5 ms ~ 1275 ms)	21 (105 ms)
10	Minimum Off-Hook Time	1 ~ 255 (5 ms ~ 1275 ms)	21 (105 ms)
11	No Detection Time after Off-Hook	1 ~ 255 (5 ms ~ 1275 ms)	60 (300 ms)
12	No Detection Time after Pulse Dial Detection	1 ~ 255 (5 ms ~ 1275 ms)	70 (350 ms)
13	Loop Disconnect Time, Reversal Time	1 ~ 255 (10 ms ~ 2550 ms)	60 (600 ms)
14	Ring, Message Wait Period Time	1 ~ 255 (5 ms ~ 1275 ms)	150 (750 ms)

Conditions

None

Feature Cross Reference

None

Program 82 : Basic Hardware Setup for Extension

82-05 : ISDN BRI & PRI Layer2 (S-Point) Initial Data Setup

Level

MF

Program

82

Description

Use **Program 82-05 : ISDN BRI & PRI Layer2 (S-Point) Initial Data Setup** to set the basic data for the Layer 2 of ISDN BRI/PRI S-Point.

Input Data

Item No.	Item	Input Data	Default
01	Timer T200	1 ~ 255 (100 ~ 25500 ms)	10 (1 sec)
02	Timer T201	1 ~ 255 (100 ~ 25500 ms)	10 (1 sec)
03	Timer T202	1 ~ 255 (100 ~ 25500 ms)	20 (2 sec)
04	Timer T203	1 ~ 255 (100 ~ 25500 ms)	100 (10 sec)
05	N200	1 ~ 255	3
06	N201	1 ~ 65535 (Byte)	260
07	N202	1 ~ 255	3

Conditions

None

Feature Cross Reference

None

Program 82 : Basic Hardware Setup for Extension

82-06 : ISDN BRI & PRI Layer3 (S-point) Timer Setup

Level

IN

Program

82

Description

Use **Program 82-06 : ISDN BRI & PRI Layer3 (S-Point) Timer Setup** to set the basic timer for the layer 3 of ISDN BRI & PRI S-Point.

Input Data

Layer3 Timer Type No.	1 ~ 5
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Item No.	Item	Input Data	Default
01	T301	0, 180 ~ 254 (sec)	180 (sec)
02	T302	1 ~ 254 (sec)	10 (sec)
03	T303	1 ~ 254 (sec)	4 (sec)
04	T304	0 ~ 254 (sec)	20 (sec)
05	T305	1 ~ 254 (sec)	30 (sec)
06	T306	0 ~ 254 (sec)	30 (sec)
07	T307	1 ~ 254 (sec)	180 (sec)
08	T308	1 ~ 254 (sec)	4 (sec)
09	T309	1 ~ 254 (sec)	90 (sec)
10	T310	0 ~ 180 (sec)	30 (sec)
11	T312	1 ~ 254 (sec)	6 (sec)
12	T313	1 ~ 254 (sec)	4 (sec)
13	T314	1 ~ 254 (sec)	4 (sec)
14	T316	(T317 + 1) ~ 254 (sec)	120 (sec)
15	T317	1 ~ (T316 - 1) (sec)	60 (sec)
16	T318	1 ~ 254 (sec)	4 (sec)
17	T319	1 ~ 254 (sec)	4 (sec)
18	T320	1 ~ 254 (sec)	30 (sec)
19	T321	1 ~ 254 (sec)	30 (sec)
20	T322	1 ~ 254 (sec)	4 (sec)

Conditions

None

Feature Cross Reference

None

Program 82 : Basic Hardware Setup for Extension

82-07 : CODEC Filter Setup for Analog Station Port

Level

IN

Program

82

Description

Use **Program 82-07 : CODEC Filter Setup for Analog Station Port** to set the filter value of the CODEC (QSLAC) filter of each analog port.

Input Data

Station Port Number		001 ~ 120
Item No.	CODEC Filter Type	Default
01	0 = Type 0	1
	1 = Type 1	
	2 = Type 2	
	3 = Type 3	
	4 = Type 4	
	5 = Type 5	
	6 = Type 6	
	7 = Type 7	
	8 = Type 8	
	9 = Type 9	
	10 = Type 10	
	11 = Type 11	
	12 = Type 12	
	13 = Type 13	
	14 = Type 14	
	15 = Type 15	

Conditions

None

Feature Cross Reference

- Direct Station Selection (DSS)

Program 82 : Basic Hardware Setup for Extension

82-08 : Sidetone Volume Setup

Level
MF

Program

82

Description

Use **Program 82-08 : Sidetone Volume Setup** for adjusting the telephone sidetone volume. There are two levels, based on whether the connected trunk is a digital trunk or analog trunk.

Input Data

Item No.	Description	Input	Digital Sidetone Level	Analog Sidetone Level	Default
01	Side tone Volume	0	- 54 (dB)	- 54 (dB)	9
		1	- 48 (dB)	- 54 (dB)	
		2	- 42 (dB)	- 54 (dB)	
		3	- 36 (dB)	- 48 (dB)	
		4	- 30 (dB)	- 42 (dB)	
		5	- 24 (dB)	- 36 (dB)	
		6	- 18 (dB)	- 30 (dB)	
		7	- 12 (dB)	- 24 (dB)	
		8	- 12 (dB)	- 18 (dB)	
		9	- 12 (dB)	- 12 (dB)	

Conditions

None

Feature Cross Reference

- Central Office Calls, Answering
- Central Office Calls, Placing

Program 82 : Basic Hardware Setup for Extension

82-09 : SLIU CODEC Filter Data Setup

Level
IN

Program

82

Description

Use **Program 82-09 : SLIU CODEC Filter Data Setup** to define the filter setting data (when Program 82-07 is set to 4).

Input Data

Item No.	Item	Input Data	Default
01	B1 Filter Setup (1)	0 ~ 255	105
02	B1 Filter Setup (2)	0 ~ 255	122
03	B1 Filter Setup (3)	0 ~ 255	166
04	B1 Filter Setup (4)	0 ~ 255	42
05	B1 Filter Setup (5)	0 ~ 255	227
06	B1 Filter Setup (6)	0 ~ 255	46
07	B1 Filter Setup (7)	0 ~ 255	169
08	B1 Filter Setup (8)	0 ~ 255	242
09	B1 Filter Setup (9)	0 ~ 255	151
10	B1 Filter Setup (10)	0 ~ 255	41
11	B1 Filter Setup (11)	0 ~ 255	122
12	B1 Filter Setup (12)	0 ~ 255	135
13	B1 Filter Setup (13)	0 ~ 255	168
14	B1 Filter Setup (14)	0 ~ 255	112
15	B2 Filter Setup (1)	0 ~ 255	45
16	B2 Filter Setup (2)	0 ~ 255	1
17	AISN and Analog Gains	0 ~ 255	14
18	Z Filter Coefficients (1)	0 ~ 255	178
19	Z Filter Coefficients (2)	0 ~ 255	162
20	Z Filter Coefficients (3)	0 ~ 255	53
21	Z Filter Coefficients (4)	0 ~ 255	83
22	Z Filter Coefficients (5)	0 ~ 255	42
23	Z Filter Coefficients (6)	0 ~ 255	171
24	Z Filter Coefficients (7)	0 ~ 255	194
25	Z Filter Coefficients (8)	0 ~ 255	43
26	Z Filter Coefficients (9)	0 ~ 255	106
27	Z Filter Coefficients (10)	0 ~ 255	163
28	Z Filter Coefficients (11)	0 ~ 255	43
29	Z Filter Coefficients (12)	0 ~ 255	169
30	Z Filter Coefficients (13)	0 ~ 255	166
31	Z Filter Coefficients (14)	0 ~ 255	159
32	Z Filter Coefficients (15)	0 ~ 255	1
33	R Filter Coefficients (1)	0 ~ 255	220
34	R Filter Coefficients (2)	0 ~ 255	1
35	R Filter Coefficients (3)	0 ~ 255	58
36	R Filter Coefficients (4)	0 ~ 255	32
37	R Filter Coefficients (5)	0 ~ 255	35
38	R Filter Coefficients (6)	0 ~ 255	202
39	R Filter Coefficients (7)	0 ~ 255	195
40	R Filter Coefficients (8)	0 ~ 255	174
41	R Filter Coefficients (9)	0 ~ 255	74
42	R Filter Coefficients (10)	0 ~ 255	51
43	R Filter Coefficients (11)	0 ~ 255	170
44	R Filter Coefficients (12)	0 ~ 255	171
45	R Filter Coefficients (13)	0 ~ 255	74
46	R Filter Coefficients (14)	0 ~ 255	197
47	X Filter Coefficients (1)	0 ~ 255	1
48	X Filter Coefficients (2)	0 ~ 255	17
49	X Filter Coefficients (3)	0 ~ 255	1

Item No.	Item	Input Data	Default
50	X Filter Coefficients (4)	0 ~ 255	144
51	X Filter Coefficients (5)	0 ~ 255	1
52	X Filter Coefficients (6)	0 ~ 255	144
53	X Filter Coefficients (7)	0 ~ 255	1
54	X Filter Coefficients (8)	0 ~ 255	144
55	X Filter Coefficients (9)	0 ~ 255	1
56	X Filter Coefficients (10)	0 ~ 255	144
57	X Filter Coefficients (11)	0 ~ 255	1
58	X Filter Coefficients (12)	0 ~ 255	144
59	GR Filter Coefficients (1)	0 ~ 255	1
60	GR Filter Coefficients (2)	0 ~ 255	17
61	GX Filter Coefficients (1)	0 ~ 255	35
62	GX Filter Coefficients (2)	0 ~ 255	32

Conditions

- This is used if Program 82-07 is set to 4 (Specified data).

Feature Cross Reference

None

Program

82

Program 82 : Basic Hardware Setup for Extension

82-14 : Handset/Headset Gain Setup for Multi Line Telephone

Program

Level
IN**82**

Description

Use **Program 82-14: Handset/Headset Gain Setup for Multi Line Telephone** to define the Handset/Headset Gain Level for Multi Line Telephone.

Input Data

Extension Number	Up to eight digits
------------------	--------------------

Item No.	Item	Input Data	Default
01	Handset/Headset Transmit Gain level	0 = Fixed (6 = + 6.5 dB) 1 ~ 32 = LR value : - 3.5 ~ + 58.5 dB	0
02	Handset/Headset Receive Gain level	0 = Fixed (15 = + 4.0 dB) 1 ~ 32 = LR value : - 24 ~ + 38.0 dB	0

Conditions

None

Feature Cross Reference

None

Program 82 : Basic Hardware Setup for Extension

82-21 : Sensor Setup

Level
IN

Program

82

Description

Use **Program 82-21 : Sensor Setup** to setup the Sensor for SL1100.

Input Data

Sensor Number		1 ~ 6		
Item No.	Item	Input Data	Description	Default
01	Sensor Type	0 = Close Detect 1 = Open Detect	Set sensor type.	0
02	Sensor Alarm Detect Minimum Level	1 ~ 255 (5 ms ~ 1275 ms)	Set minimum level for Alarm detection.	24 (120 ms)
03	Sensor Idle Detect Minimum Level	1 ~ 255 (5 ms ~ 1275 ms)	Set minimum level for Idle detection.	24 (120 ms)

Conditions

None

Feature Cross Reference

None

Program 84 : Hardware Setup for VoIPDB

84-01 : H.323 Trunk Basic Information Setup

Level
IN

Program

84

Description

Use **Program 84-01 : H.323 Trunk Basic Information Setup** to set the basic information of the H.323 Trunk.

Input Data

Item No.	Item	Input Data	Default
02	Number of G.711 audio frames	1 ~ 4	3
03	G.711 VAD mode	0 = Disable 1 = Enable	0
04	G.711 Type	0 = A-law 1 = μ -law	0
05	Number of G.729 audio frames	1 ~ 6	3
06	G.729 VAD mode	0 = A-law 1 = μ -law	0
07	G.729 Jitter Buffer(min)	0 ~ 300 ms	30
08	G.729 Jitter Buffer (average)	0 ~ 300 ms	60
09	G.729 Jitter Buffer (average)	0 ~ 300 ms	120
11	Number of G.723 audio frames	1 ~ 2	1
15	Jitter Buffer Mode	1 = Fixed 3 = Self adjusting	3
16	G.711 Jitter Buffer(min)	0 ~ 255 ms	30
17	G.711 Jitter Buffer (average)	0 ~ 255 ms	60
18	G.711 Jitter Buffer (average)	0 ~ 255 ms	120
19	G.723 Jitter Buffer(min)	0 ~ 300 ms	30
20	G.723 Jitter Buffer (average)	0 ~ 300 ms	60
21	G.723 Jitter Buffer (average)	0 ~ 300 ms	120
22	VAD Threshold	1 ~ 30 (- 19 dB ~ + 10 dB and self adjustment) 1 = - 19 dB (- 49 dBm) : 20 = 0 dB (- 30 dBm) : 29 = 9 dB (- 21 dBm) 30 = 10 dB (- 20 dBm)	20
33	Priority CODEC setting Priority of voice encoding method.	0 ~ 3 0 = G711_PT 1 = G723_PT 2 = G729_PT 3 = G722_PT	0
36	The Maximum FAX Transmission Rate	1 = V.27ter, 4800 bps 3 = V.29, 9600 bps 5 = V.17, 14400 bps	5
41	FAX Communication no Communication Time-Out	10 ~ 32000 seconds	30
44	Low-speed Signal Data (FAX Procedure Signal)	0 ~ 2	0
45	High-speed Signal Data (FAX Procedure Signal)	0 ~ 2	0
46	TCF Operation Setting	1 = Training signal (TCF) of the fax is locally generated and checked. 2 = Training signal (TCF) of the fax is sent over the network.	1
59	FAX Relay Function	0 = Disable 1 = Enable 2 = Each port mode	0
61	Auto Gain Control	0 ~ 5	0
62	DTMF Relay Mode Set up information of VoIPDB is set by Program 84-06-10.	0 = VoIPDB 1 = RFC2833 2 = H.245 3 = Disable	0

Item No.	Item	Input Data	Default
63	Number of G.722 audio frames	1 ~ 4 1 = 10 ms 2 = 20 ms 3 = 30 ms 4 = 40 ms	3
65	G.722 Jitter Buffer(min)	0 ~ 255 ms	30
66	G.722 Jitter Buffer (average)	0 ~ 255 ms	60
67	G.722 Jitter Buffer (average)	0 ~ 255 ms	120
68	RTP Filter	0 = Disable 1 = Enable	1
69	DTMF Level mode	0 = Use the Default of VoIPDB Unit 1 = Use the Main System	0
70	DTMF Level High	1 = - 33 dBm : 28 = - 6 dBm	28
71	DTMF Level Low	1 = - 33 dBm : 28 = - 6 dBm	28

Conditions

None

Feature Cross Reference

None

Program 84 : Hardware Setup for VoIPDB

84-02 : H.225 and H.245 Information Basic Setup

Level

IN

Program

Description

Use **Program 84-02 : H.225 and H.245 Information Basic Setup** to define the basic setup information of H.225 and H.245.

Input Data

Item No.	Item	Input Data	Default
01	H.225 Alerting Time	0 ~ 255 seconds	180
02	H.225 Setup Acknowledge Timer	0 ~ 255 seconds	9
03	H.225 Setup Timer	0 ~ 255 seconds	4
04	H.225 Info Ack Timer	0 ~ 255 seconds	9
05	H.225 Call Proceeding Timer	0 ~ 255 seconds	10
07	H.245 Master Slave Determination Timer	0 ~ 255 seconds	5
08	H.245 Master Slave Determination Retry Count	0 ~ 255 seconds	3
09	H.245 Capability Exchange Timer	0 ~ 255 seconds	5
10	H.245 Logical Channel Establishment Timer	0 ~ 255 seconds	50
11	H.245 Mode Request Procedures Timer	0 ~ 255 seconds	50
12	H.245 Close Logical Channel Timer	0 ~ 255 seconds	50
13	H.245 Round Trip Delay Timer	0 ~ 255 seconds	50
14	H.245 Maintenance Loop	0 ~ 255 seconds	50
15	RAS GRQ Timer	0 ~ 255 seconds	5
16	GRQ Retry Count	0 ~ 255	2
17	RAS RRQ Timer	0 ~ 255 seconds	5
18	RRQ Retry Count	0 ~ 255	3
19	RAS URQ Timer	0 ~ 255 seconds	3
20	URQ Retry Count	0 ~ 255	1
21	RAS ARQ Timer	0 ~ 255 seconds	5
22	ARQ Retry Count	0 ~ 255	2
23	RAS BRQ Timer	0 ~ 255 seconds	5
24	BRQ Retry Count	0 ~ 255	2
25	RAS IRR Timer	0 ~ 255 seconds	5
26	IRR Retry Count	0 ~ 255	2
27	RAS DRQ Timer	0 ~ 255 seconds	8
28	DRQ Retry Count	0 ~ 255	2
29	RAS LRQ Timer	0 ~ 255 seconds	5
30	LRQ Retry Count	0 ~ 255	2
31	RAS RAI Timer	0 ~ 255 seconds	3
32	RAI Retry Count	0 ~ 255	2
33	Call Signaling Port Number	0 ~ 65535 : 0 ~ 1719, 1721 ~ 65535	1730
35	Fast Start Mode	0 = Disable 1 = Enable	1
36	RAS Unicast Port Number	0 ~ 65535	20001
37	Terminal Type setting	0 ~ 255	60

Conditions

None

Feature Cross Reference

None

Program 84 : Hardware Setup for VoIPDB

84-07 : Firmware Download Setup

Level
IN

Description

Use **Program 84-07 : Firmware Download Setup** to configure the settings related to Central Firmware Download for IP Phones.

Input Data

Item No.	Item	Input Data	Description	Default
01	Server Mode	0 = TFTP 1 = FTP		0
02	File Server IP Address	0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.254.254		0.0.0.0
03	Login Name	Up to 20 Characters	Enable only 84-07-01 is 1	None
04	Password	Up to 20 Characters	Enable only 84-07-01 is 1	None

Conditions

None

Feature Cross Reference

None

Program

84

Program 84 : Hardware Setup for VoIPDB

84-09 : VLAN Setup

Level
IN

Program

84

Description

Use **Program 84-09 : VLAN Setup** to set up the VLAN data. I/F No.2 The packets send from LAN I/F on VoIPDB is set the VLAN tag.

Input Data

Interface Number	1 ~ 2		
Item No.	Item	Input Data	Default
01	VLAN	0 = Disable (Off) 1 = Enable (On)	0
02	VLAN ID	0 ~ 4094	0
03	Priority	0 ~ 7	0

Conditions

- System programming must be exited before these program options take affect.

Feature Cross Reference

None

Program 84 : Hardware Setup for VoIPDB

84-10 : ToS Setup

Level
IN

Description

Use **Program 84-10 : ToS Setup** to set up the Type of Service data.

Input Data

Protocol Type	1 ~ 3 = Not used 4 = H.323 5 = RTP/RTCP 6 = SIP 7 = Not used 8 = SIP-MLT 9 = SIP Trunk 10 = Not used
---------------	---

Item No.	Item	Input Data	Description	Default
01	ToS Mode	0 = Disable (Invalid) 1 = IP Precedence 2 = Diffserv	When Input Data is set to 1, Item No. 07 is invalid. When Data is set to 2, Item No. 02 ~ 06 are invalid.	0
02	Priority, IP Precedence	0 ~ 7 0 = Low 7 = High	1 = Router queuing priority	0
03	Low Delay	0 ~ 1 0 = Normal Delay, Low Delay	1 = Optimize for low delay routing	0
04	Wideband (Throughout)	0 ~ 1 0 = Normal Throughput 1 = High Throughput	1 = Optimize for high bandwidth routing	0
05	High Reliability	0 ~ 1 0 = Normal Reliability 1 = Low Reliability	1 = Optimize for reliability routing	0
07	Priority (D.S.C.P. - Differentiated Services Code Point)	0 ~ 63	DSCP (Differentiated Services Code Point)	0

Conditions

- The system must be reset for these program options to take affect.

Feature Cross Reference

None

Program

84

Program 84 : Hardware Setup for VoIPDB

84-13 : SIP Trunk CODEC Information Basic Setup

Level
IN

Program

84


Description

Use **Program 84-13 : SIP Trunk CODEC Information Basic Setup** to set up the basic CODEC options for SIP trunks.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	Number of G.711 Audio Frame	1 = 10 ms 2 = 20 ms 3 = 30 ms 4 = 40 ms	Maximum number of G.711 Audio Frames. When the voice is encoded using the PCM (Pulse Code Modulation) method, a unit is a frame of 10ms.	2	
02	G.711 Silence Detection (VAD) Mode	0 = Disable 1 = Enable	Select whether to compress silence with G.711. When there is silence, the RTP packet is not sent.	0	
03	G.711 Type	0 = A-law 1 = μ -law	Set the type of G.711.	0	
04	G.711 Jitter Buffer - Minimum	0 ~ 255 ms	Set the minimum value of the G.711 Jitter Buffer.	20	
05	G.711 Jitter Buffer - Minimum	0 ~ 255 ms	Set the average value of the G.711 Jitter Buffer.	40	
06	G.711 Jitter Buffer - Maximum	0 ~ 255 ms	Set the maximum value of the G.711 Jitter Buffer.	80	
07	G.729 Audio Frame	1 ~ 6 (1 = 10 ms, 2 = 20 ms, etc.)	Maximum number of G.729 Audio Frames. G.729 assumes the audio signal made by a specimen by 8 kHz and the frame of 10 ms is assumed to be a unit to 8 kbps by the encoding compressed method.	2	
08	G.729 Silence Compression (VAD) Mode	0 = Disable 1 = Enable	Select whether to compress silence with G.729. When there is silence, the RTP packet is not sent.	0	
09	G.729 Jitter Buffer - Minimum	0 ~ 300 ms	Set the minimum value of the Jitter Buffer of G.729 is set. Jitter is the variation in the time between packets arriving and the buffer allows this variation to be absorbed.	20	
10	G.729 Jitter Buffer - Standard	0 ~ 300 ms	Set the average G.729 Jitter Buffer.	40	
11	G.729 Jitter Buffer - Maximum	0 ~ 300 ms	Set the maximum G.729 Jitter Buffer.	80	
12	Number of G.723 Audio Frame	1 = 30 msec 2 = 60 msec	Maximum number of the G.723 Audio Frame.	1	
14	G.723 Jitter Buffer - Minimum	0 ~ 300 ms	Set the minimum value of the G.723 Jitter Buffer.	30	
15	G.723 Jitter Buffer - Standard	0 ~ 300 ms	Set the average value of the G.723 Jitter Buffer.	60	
16	G.723 Jitter Buffer - Maximum	0 ~ 300 ms	Set the maximum value of the G.723 Jitter Buffer.	120	
17	Jitter Buffer Mode	1 = static 3 = adaptive immediately	Set the mode of the Jitter Buffer. 1 = Size set to the fixed amount for the codec. 2 = The minimum/maximum range for the codec is used. 3 = The minimum/maximum range for the codec is used and adjusts at any time, regardless of silence.	3	

Item No.	Item	Input Data	Description	Default	Related Program
18	Silence Compression (VAD) Threshold	1 ~ 30 (self-adjustment and - 19 dB ~ + 10dB) 1 = - 19 dB (- 49 dBm) : 20 = 0dB (- 30 dBm) : 29 = 9 dBm (- 21 dBm) 30 = 10dBm (- 20 dBm)	Set the voice level judged to be silence. Change value based .30 This entry is ignored if silence compression is disabled in 84-01-03 with G.711 or 84-01-06 with G.729.	20	
28	Priority Codec Setting	0 = G.711 PT 1 = G.723 PT 2 = G.729 PT 3 = G.722 PT 4 = G.726 PT 5 = iLBC PT 6 = G.711 Only (V1.5 Added) 7 = G.729 Only (V1.5 Added)	The option selected here determines what other codec options are applied by priority.	0	
30	EchoAuto Gain Control	0 ~ 5	Define the Auto Gain Control.	0	
31	DTMF Payload Number	96 ~ 127	Define the DTMF Payload Number.	110	
32	DTMF Relay Mode	0 = Disable 1 = RFC2833	Determine the DTMF setup.	0	
33	G.722 Audio Frame	1 = 10 ms 2 = 20 ms 3 = 30 ms 4 = 40 ms	Maximum number of G.722 Audio Frames. G.722 assumes the audio signal made by a specimen by 16 kHz and the frame of 10 ms is assumed to be a unit to 64 kbps by the encoding compressed method.	3	
35	G.722 Jitter Buffer - Minimum	0 ~ 255 ms	Set the minimum value of the Jitter Buffer of G.722 is set. Jitter is the variation in the time between packets arriving and the buffer allows this variation to be absorbed.	30	
36	G.722 Jitter Buffer - Standard	0 ~ 255 ms	Set the average G.722 Jitter Buffer.	60	
37	G.722 Jitter Buffer - Maximum	0 ~ 255 ms	Set the maximum G.722 Jitter Buffer.	120	
38	G.726 Audio Frame	1 = 10 ms 2 = 20 ms 3 = 30 ms 4 = 40 ms	Maximum number of G.726 Audio Frames. G.726 assumes the audio signal made by a specimen by 16 kHz and the frame of 10 ms is assumed to be a unit to 32 kbps by the encoding compressed method.	3	
39	G.726 Silence Compression Mode	0 = Disable 1 = Enable	Select whether to compress silence with G.726. When there is silence, the RTP packet is not sent.	0	
40	G.726 Jitter Buffer - Minimum	0 ~ 255 ms	Set the minimum value of the Jitter Buffer of G.726 is set. Jitter is the variation in the time between packets arriving and the buffer allows this variation to be absorbed.	30	
41	G.726 Jitter Buffer - Standard	0 ~ 255 ms	Set the average G.726 Jitter Buffer.	60	
42	G.726 Jitter Buffer - Maximum	0 ~ 255 ms	Set the maximum G.726 Jitter Buffer.	120	
43	iLBC Audio Frame	2 = 20 ms 3 = 30 ms 4 = 40 ms	Maximum number of iLBC Audio Frames. iLBC assumes the frame of 10 ms is a unit.	3	
45	iLBC Jitter Buffer - Minimum	0 ~ 255 ms	Set the minimum value of the Jitter Buffer of iLBC is set. Jitter is the variation in the time between packets arriving and the buffer allows this variation to be absorbed.	30	
46	iLBC Jitter Buffer - Standard	0 ~ 255 ms	Set the average iLBC Jitter Buffer.	60	
47	iLBC Jitter Buffer - Maximum	0 ~ 255 ms	Set the maximum iLBC Jitter Buffer.	120	
48	iLBC Payload Number	96 ~ 127	The payload number of iLBC is set. However, the same number as Item 31 cannot be set.	98	

Item No.	Item	Input Data	Description	Default	Related Program
49	RTP Filter	0 = Disable 1 = Enable		0	
50	Fax Relay mode	0 = Disable 1 = Enable		0	
51	T.38 Protocol mode	0 = R/U (V1.5 Changed) 1 = U/R (V1.5 Changed) 2 = RTP (V1.5 Changed) 3 = UDPTL (V1.5 Changed)		1	
52	Fax Max Rate	1 = V.27ter, 4800 bps 3 = V.29, 9600 bps 5 = V.17, 14400 bps		5	
56	Low Speed Data Redundancy	0 ~ 2		0	
57	High Speed Data Redundancy	0 ~ 2		0	
58	TCF Handling	0 = Local 1 = Network		1	
61	T.38 RTP Format Payload Number	96 ~ 127		100	
62	DTMF Level mode	0 = VoIPDB Unit 1 = Main Soft		0	
63	DTMF Level High	1 = — 33 dBm : 28 = - 6 dBm		28	
64	DTMF Level Low	1 = - 33 dBm : 28 = - 6 dBm		28	
65	VAD Negotiation on SDP(Future)(V2.0 Added)	0 = Disable 1 = Enable	This PRG is used to determine the VAD determination method setting VAD information on SDP. This PRG is effective when VAD is enabled on each codec.  G.711 and G.729 are targets at this time.	0	
66	Voice Band Data (VBD)(Future)(V2.0 Added)	0 = Disable 1 = Enable	This PRG is used for setting VBD to is "Enable/Disable". This PRG is necessary to set the 1: Special in PRG15-03-03 for target terminal.	0	15-03-03
67	VBD Payload Type(Future)(V2.0 Added)	96 ~ 127	This PRG is specifies the Payload Type number used by VBD.	97	15-03-03

Conditions

None

Feature Cross Reference

None

Program 84 : Hardware Setup for VoIPDB

84-14 : SIP Trunk Basic Information Setup

Level
IN

Description

Use **Program 84-14 : SIP Trunk Basic Information Setup** to define the basic setup for SIP trunks.

Input Data

Item No.	Item	Input Data	Default	Note
01	INVITE ReTx Count Specifies the number of times the INVITE message is sent.	0 ~ 255	7	
02	Request ReTx Count Specifies the number of times Request message except INVITE are sent.		11	
03	Response ReTx Count Specifies the number of times the Response message is sent.		7	
04	Request ReTx Start Time	0 ~ 65535	5 (500 ms)	
05	Request Maximum ReTx Interval	(0 ms ~ 6553.5 seconds)	40 (4000 ms)	
06	SIP Trunk Port Number	1 ~ 65535	5060	
07	Session Timer Value	0 ~ 65535	0	
08	Minimum Session Timer Value	0 ~ 65535	1800	
09	Called Party Information	0 = Request URI 1 = To Header	0	
10	URL Type	0 = SIP-URL 1 = TEL-URL	0	
11	URL/To HeaderSetting Information	0 = Proxy Server Domain 1 = SIP UA Domain	0	
13	SIP Trunk Incoming/Outgoing via E164SIP_URI	0 = Off 1 = On 2 = International Access Mode (V2.0 Added)	0	(V1.5 Added)
15	100rel Settings	0 = Use default Settings 1 = Use opposite Default Setting	0	(V1.5 Added)
16	SIP Trunk SIP-URI E.164 Incoming Mode	0 = OFF 1 = Mode 1 2 = Mode 2	0	(V2.0 Added)

Conditions

None

Feature Cross Reference

None

Program

84

Program 84 : Hardware Setup for VoIPDB

84-15 : H.323/SIP Phone Keep Alive Setup

Level
IN

Program

84

Description

Use **Program 84-15 : H.323/SIP Phone Keep Alive Setup** to set the Keep Alive Configuration of the H.323/SIP phone.

Input Data

Item No.	Item	Input Data	Description	Default
01	Registration Information Automatic Deletion	0 = Disable 1 = Enable	When set to 1 (Enable), the registration information is automatically deleted (for H.323).	0
02	Keep Alive Message Interval	1 ~ 10 minutes	Time interval that system sends a Ping to the terminal.	1 minutes
03	Keep Alive Message Timeout	1 ~ 10 seconds	Time that system waits for a Ping response from the terminal.	5 seconds
04	Keep Alive Timeout	1 ~ 5 times	How many times the system waits for a non response before determining the terminal is down.	3 times

Conditions

None

Feature Cross Reference

None

Program 84 : Hardware Setup for VoIPDB

84-16 : VoIPDB Limiter Control Gain Setup

Level
IN

Description

Use **Program 84-16 : VoIPDB Limiter Control Gain Setup** to set the Limiter Control Gain configuration of VoIPDB.

Input Data

Item No.	Item	Input Data	Default
01	RX Limiter Control Gain Gain setting to control limiter in the direction of IP → PCM. This option adds gain to the voice input from the LAN and removes it from the voice output to highway.	0 ~ 30 (- 15 dBm ~ + 15 dBm) 0 = - 15 dBm 1 = - 14 dBm : 15 = 0 dBm : 29 = 14 dBm 30 = 15 dBm	15 (0 dBm)
02	TX Limiter Control Gain Gain setting to control limiter in the direction of PCM → IP. This option adds the gain to the voice input from highway and removes it from the voice output to the LAN.		15 (0 dBm)
03	RX Limiter Control Gain (COIU) This option controls the limiter gain for a COIU call in the IP to PCM direction.		15 (0 dBm)
04	TX Limiter Control Gain (COIU) This option controls the limiter gain for a COIU call in the PCM to IP direction.		15 (0 dBm)

Conditions

None

Feature Cross Reference

None

Program

84

Program 84 : Hardware Setup for VoIPDB

84-19 : SIP Extension CODEC Information Basic Setup

Level
IN

Program

84

Description

Use **Program 84-19 : SIP Extension CODEC Information Basic Setup** to define the CODEC information for the SIP extensions.

Input Data

Item No.	Item	Input Data	Description	Default
01	Number of G.711 Audio Frame	1 = 10 ms 2 = 20 ms 3 = 30 ms 4 = 40 ms	Maximum number of G.711 Audio Frames. When the voice is encoded using the PCM (Pulse Code Modulation) method, a unit is a frame of 10ms.	2
02	G.711 Silence Detection (VAD) Mode	0 = Disable 1 = Enable	Select whether to compress silence with G.711. When there is silence, the RTP packet is not sent.	0
03	G.711 Type	0 = A-law 1 = μ -law	Set the type of G.711.	0
04	G.711 Jitter Buffer - Minimum	0 ~ 255 ms	Set the minimum value of the G.711 Jitter Buffer.	20
05	G.711 Jitter Buffer - Standard	0 ~ 255 ms	Set the average value of the G.711 Jitter Buffer.	40
06	G.711 Jitter Buffer - Maximum	0 ~ 255 ms	Set the maximum value of the G.711 Jitter Buffer.	80
07	G.729 Audio Frame	1 ~ 6 (1 = 10 ms, 2 = 20ms, etc.)	Maximum number of G.729 Audio Frames. G.729 assumes the audio signal made by a specimen by 8 kHz and the frame of 10 ms is assumed to be a unit to 8 kbps by the encoding compressed method.	2
08	G.729 Silence Compression (VAD) Mode	0 = Disable 1 = Enable	Select whether to compress silence with G.729. When there is silence, the RTP packet is not sent.	0
09	G.729 Jitter Buffer - Minimum	0 ~ 300 ms	Set the minimum value of the Jitter Buffer of G.729 is set. Jitter is the variation in the time between packets arriving and the buffer allows this variation to be absorbed.	20
10	G.729 Jitter Buffer - Standard	0 ~ 300 ms	Set the average G.729 Jitter Buffer.	40
11	G.729 Jitter Buffer - Maximum	0 ~ 300 ms	Set the maximum G.729 Jitter Buffer.	80
12	Number of G.723 Audio Frame	1 = 30 msec 2 = 60 msec	Maximum number of the G.723 Audio Frame.	1
14	G.723 Jitter Buffer - Minimum	0 ~ 300 ms	Set the minimum value of the G.723 Jitter Buffer.	30
15	G.723 Jitter Buffer - Standard	0 ~ 300 ms	Set the average value of the G.723 Jitter Buffer.	60
16	G.723 Jitter Buffer - Maximum	0 ~ 300 ms	Set the maximum value of the G.723 Jitter Buffer.	120
17	Jitter Buffer Mode	1 = static 3 = adaptive immediately	Set the mode of the Jitter Buffer. 1 = Size set to the fixed amount for the codec. 2 = The minimum/maximum range for the codec is used. 3 = The minimum/maximum range for the codec is used and adjust at any time, regardless of silence.	3

Item No.	Item	Input Data	Description	Default
18	Silence Compression (VAD) Threshold	1 ~ 30 (self-adjustment and - 19 dB ~ + 10 dB) 1 = - 19 dB (- 49 dBm) : 20 = 0 dB (- 30 dBm) : 29 = 9 dBm (- 21 dBm) 30 = 10 dBm (- 20 dBm)	Set the voice level judged to be silence. Change value based .30 This entry is ignored if silence compression is disabled in 84-01-03 with G.711 or 84-01-06 with G.729.	20
28	Priority Codec Setting	0 = G.711 PT 1 = G.723 PT 2 = G.729 PT 3 = G.722 4 = G.726 5 = iLBC	The option selected here determines what other codec options are applied by priority. For the system to utilize the G.723 or iLBC Codecs, program 84-27-02 must be set to G.723/iLBC.	0
30	EchoAuto Gain Control	0 ~ 5	Define the Auto Gain Control.	0
31	DTMF Payload Number	96 ~ 127	Define the DTMF Payload Number.	96
32	DTMF Relay Mode	0 = Disable 1 = RFC2833	Determine the DTMF setup used between the SIP extensions. It is effective when a terminal call is made through the VoIPDB.	0
33	G.722 Audio Frame	1 = 10 ms 2 = 20 ms 3 = 30 ms 4 = 40 ms	Maximum number of G.722 Audio Frames. G.722 assumes the audio signal made by a specimen by 16 kHz and the frame of 10 ms is assumed to be a unit to 64 kbps by the encoding compressed method.	3
35	G.722 Jitter Buffer - Minimum	0 ~ 255 ms	Set the minimum value of the Jitter Buffer of G.722 is set. Jitter is the variation in the time between packets arriving and the buffer allows this variation to be absorbed.	30
36	G.722 Jitter Buffer - Standard	0 ~ 255 ms	Set the average G.722 Jitter Buffer.	60
37	G.722 Jitter Buffer - Maximum	0 ~ 255 ms	Set the maximum G.722 Jitter Buffer.	120
38	G.726 Audio Frame	1 = 10 ms 2 = 20 ms 3 = 30 ms 4 = 40 ms	Maximum number of G.726 Audio Frames. G.726 assumes the audio signal made by a specimen by 16 kHz and the frame of 10 ms is assumed to be a unit to 32 kbps by the encoding compressed method.	3
39	G.726 Silence Compression (VAD) Mode	0 = Disable 1 = Enable	Select whether to compress silence with G.726. When there is silence, the RTP packet is not sent.	0
40	G.726 Jitter Buffer - Minimum	0 ~ 255 ms	Set the minimum value of the Jitter Buffer of G.726 is set. Jitter is the variation in the time between packets arriving and the buffer allows this variation to be absorbed.	30
41	G.726 Jitter Buffer - Standard	0 ~ 255 ms	Set the average G.726 Jitter Buffer.	60
42	G.726 Jitter Buffer - Maximum	0 ~ 255 ms	Set the maximum G.726 Jitter Buffer.	120
43	iLBC Audio Frame	2 = 20 ms 3 = 30 ms 4 = 40 ms	Maximum number of iLBC Audio Frames. iLBC assumes the frame of 10ms is a unit.	3
45	iLBC Jitter Buffer - Minimum	0 ~ 255 ms	Set the minimum value of the Jitter Buffer of iLBC is set. Jitter is the variation in the time between packets arriving and the buffer allows this variation to be absorbed.	30
46	iLBC Jitter Buffer - Standard	0 ~ 255 ms	Set the average iLBC Jitter Buffer.	60
47	iLBC Jitter Buffer - Maximum	0 ~ 255 ms	Set the maximum iLBC Jitter Buffer.	120
48	iLBC payload number	96 ~ 127	The payload number of iLBC is set. However, the same number as Item 31 cannot be set.	98
49	RTP Filter	0 = Disable 1 = Enable		1
50	Fax Relay mode	0 = Disable 1 = Enable		0

Item No.	Item	Input Data	Description	Default
51	T.38 Protocol mode	0 = R/U (V1.5 Changed) 1 = U/R (V1.5 Changed) 2 = RTP (V1.5 Changed) 3 = UDPTL (V1.5 Changed)		1
52	Fax Max Rate	1 = V.27ter, 4800 bps 3 = V.29, 9600 bps 5 = V.17, 14400 bps		5
56	Low Speed Data Redundancy	0 ~ 2		0
57	High Speed Data Redundancy	0 ~ 2		0
58	TCF Handling	0 = Local 1 = Network		1
61	T.38 RTP Format Payload Number	96 ~ 127		100
62	DTMF Level mode	0 = VoIPDB Unit 1 = Main Soft		0
63	DTMF Level High	1 = - 33 dBm : 28 = - 6 dBm		28
64	DTMF Level Low	1 = - 33 dBm : 28 = - 6 dBm		28

Conditions

None

Feature Cross Reference

None

Program 84 : Hardware Setup for VoIPDB

84-20 : SIP Extension Basic Information Setup

Level
IN

Description

Use **Program 84-20 : SIP Extension Basic Information Setup** to set up proxy information, session timers, called party information and expire value of invite.

Input Data

Item No.	Item	Input Data	Description	Default
01	Registrar/Proxy Port	1 ~ 65535		5070
02	Session Timer Value	0 ~ 65535		180 seconds
03	Minimum Session Timer Value	0 ~ 65535		180 seconds
04	Called Party Info	0 = Request URI 1 = To Header		0
05	Expire Value of Invite	0 ~ 256 seconds	Arrival of a message is ended when this time expires and there is no cut from the caller.	180 seconds
06	Expire Value of Invite (send)	1 ~ 3600 seconds	The expiration time is set for the Invite message.	180 seconds

Conditions

None

Feature Cross Reference

None

Program

84

Program 84 : Hardware Setup for VoIPDB

84-22 : DR700 Multiline Logon Information Setup

Level

SA

Program

84

Description

Use **Program 84-22 : DR700 Multiline Logon Information Setup** to set the DR700 Multiline logon information.

Input Data

Personal ID Index			001 ~ 120	
Item No.	Item	Input Data	Description	Default
01	User ID	Up to 32 characters	Input the User ID when using manual or auto registration (10-46-01).	No Setting
02	Password	Up to 16 characters	Input the Password when using manual or auto registration (10-46-01).	No Setting
03	User ID Omission	0 = Off 1 = On	Input the Personal ID from terminal automatically when log on again.	0
04	Log Off	0 = Off 1 = On	Input the Personal ID from terminal automatically when log on again.	1
05	Nick Name	Up to 32 characters	Input the Personal ID from terminal automatically when log on again.	No Setting

Conditions

None

Feature Cross Reference

None

Program 84 : Hardware Setup for VoIPDB

84-23 : DR700 Multiline Basic Information Setup

Level
IN

Description

Use **Program 84-23 : DR700 Multiline Basic Information Setup** to set the basic information for the DR700 Multiline Terminal.

Input Data

Item No.	Item	Input Data	Description	Default
01	Registration Expire Timer	60 ~ 65535 seconds	The Expires value of the REGISTER message which received from DR700 terminal is out of range or when the Expire value is not set up, in case it assigns the effective time to the DR700 terminal. The timer for supervising whether DR700 terminal is connected or not.	180 seconds
02	Subscribe Expire Timer	60 ~ 65535 seconds	The subscribe Expire timer to transmit and receive the terminal operation instructions between the Main Device and DR700 terminal.	3600 seconds
03	Session Expire Timer	60 ~ 65535 seconds	Set effective time for supervising the Voice Path.	180 seconds
04	Minimum Session Expire Timer	60 ~ 65535 seconds	Set minimum value of effective time for supervising the Voice Path.	180 seconds
05	Invite Expire Timer	60 ~ 65535 seconds	Set effective time for Incoming/Outgoing call when the Expire value is not set in the INVITE message received from DR700 terminal.	180 seconds
06	Signal Type of Service	0x00 ~ 0xFF (0 ~ 9, A ~ F)	Set Type of Service value which applied to send SIP Message Packet from DR700 terminal to Main Device.	00
07	Error Display Timer	0 ~ 65535 seconds		0
08	Digest Authorization Registration Expire Timer	0 ~ 4294967295 seconds		0
09	Temporally Password	Maximum 16 characters (0 ~ 9, a ~ f, A ~ F)		None
10	Number of Password Retries	0 ~ 255 (0 = No Limit)	Input the number of times an incorrect password can be entered when the security key is pressed.	0
11	Password Lock Time	0 ~ 120 (0 = No Limit)		0
12	Reference Number	Up to 32 digits (0 ~ 9, *, #, P, R, @)		No Setting
13	Media Type of Service	0x00 ~ 0xFF (0 ~ 9, A ~ F)		00
14	Refer Expire Timer	0 ~ 65535 seconds		60 seconds

Conditions

None

Feature Cross Reference

None

Program

84

Program 84 : Hardware Setup for VoIPDB

84-24 : DR700 Multiline CODEC Basic Information Setup



Level
IN


Description

Use **Program 84-24 : DR700 Multiline CODEC Basic Information Setup** to set the codec of each type of DR700 Multiline Telephone.

Input Data

Type	1 = Type 1 2 = Type 2 3 = Type 3 4 = Type 4 5 = Type 5
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Item No.	Item	Input Data	Description	Default
01	Number of G.711 Audio Frame	1 = 10 ms 2 = 20 ms 3 = 30 ms 4 = 40 ms	Maximum number of G.711 Audio Frames. When the voice is encoded using the PCM (Pulse Code Modulation) method, a unit is a frame of 10ms. The Audio frame size setting is only from IP phone to IP phone. When the IP phone communicates to a TDM device it will always use a 20 ms frame size.  Softphone (SP310) only supports 20 ms or 40 ms.	2
02	G.711 Silence Detection (VAD) Mode	0 = Disable 1 = Enable	Select whether to compress silence with G.711. When there is silence, the RTP packet is not sent. When VAD is enabled the CPU will stop sending silence packets but the IP phone will continue to transmit silence packets.	0
03	G.711 Type	0 = A-law 1 = μ -law	Set the type of G.711.	0
04	G.711 Jitter Buffer - Minimum	0 ~ 255 ms	Set the minimum value of the G.711 Jitter Buffer.	20
05	G.711 Jitter Buffer - Standard	0 ~ 255 ms	Set the average value of the G.711 Jitter Buffer.	40
06	G.711 Jitter Buffer - Maximum	0 ~ 255 ms	Set the maximum value of the G.711 Jitter Buffer.	80
07	G.729 Audio Frame	1 ~ 4 (1 = 10 ms, 2 = 20 ms, etc.)	Maximum number of G.729 Audio Frames. G.729 assumes the audio signal made by a specimen by 8 kHz and the frame of 10 ms is assumed to be a unit to 8 kbps by the encoding compressed method. The Audio frame size setting is only from IP phone to IP phone. When the IP phone communicates to a TDM device it will always use a 20 ms frame size.  Softphone (SP310) only supports 20 ms or 40 ms.	2
08	G.729 Silence Compression (VAD) Mode	0 = Disable 1 = Enable	Select whether to compress silence with G.729. When there is silence, the RTP packet is not sent. When VAD is enabled the CPU will stop sending silence packets but the IP phone will continue to transmit silence packets.	0

Item No.	Item	Input Data	Description	Default
09	G.729 Jitter Buffer - Minimum	0 ~ 300 ms	Set the minimum value of the Jitter Buffer of G.729 is set. Jitter is the variation in the time between packets arriving and the buffer allows this variation to be absorbed.	20
10	G.729 Jitter Buffer - Standard	0 ~ 300 ms	Set the average G.729 Jitter Buffer.	40
11	G.729 Jitter Buffer - Maximum	0 ~ 300 ms	Set the maximum G.729 Jitter Buffer.	80
17	Jitter Buffer Mode Set the mode of the Jitter Buffer.	1 = static 3 = adaptive immediately	1 = Size set to the fixed amount for the codec. 2 = The minimum/maximum range for the codec is used. 3 = The minimum/maximum range for the codec is used and adjust at any time, regardless of silence.	3
18	Silence Compression (VAD) Threshold	1 ~ 30 (self-adjustment and - 19 dB ~ + 10dB) 1 = - 19 dB (- 49 dBm) : 20 = 0 dB (- 30 dBm) : 29 = 9 dBm (- 21 dBm) 30 = 10dBm (- 20dBm)	Set the voice level judged to be silence. Change value based .30 This entry is ignored if silence compression is disabled in 84-01-03 with G.711, or 84-01-06 with G.729.	20
28	Priority Codec Setting	0 = G711 PT 2 = G729 PT 3 = G.722 PT	The option selected here determines what other codec options are applied by priority.	0
30	EchoAuto Gain Control	0 ~ 5	Define the Auto Gain Control.	0
31	DTMF Payload Number	96 ~ 127		96
32	G.722 Audio Frame	1 = 10 ms 2 = 20 ms 3 = 30 ms 4 = 40 ms	Maximum number of G.722 Audio Frames. G.722 assumes the audio signal made by a specimen by 16kHz and the frame of 10ms is assumed to be a unit to 64kbps by the encoding compressed method. The Audio frame size setting is only from IP phone to IP phone. When the IP phone communicates to a TDM device it will always use a 20 ms frame size.  Softphone (SP310) only supports 20 ms.	3
34	G.722 Jitter Buffer - Minimum	0 ~ 255 ms	Set the minimum value of the Jitter Buffer of G.722 is set. Jitter is the variation in the time between packets arriving and the buffer allows this variation to be absorbed.	30
35	G.722 Jitter Buffer - Standard	0 ~ 255 ms	Set the average G.722 Jitter Buffer.	60
36	G.722 Jitter Buffer - Maximum	0 ~ 255 ms	Set the maximum G.722 Jitter Buffer.	120
37	RTP Filter	0 = Disable 1 = Enable		1
38	DTMF Level mode	0 = Use the Default of VoIPDB Unit 1 = Use the Main System		0
39	DTMF Level High	1 = - 33 dBm : 28 = - 6 dBm		28
40	DTMF Level Low	1 = - 33 dBm : 28 = - 6 dBm		28

Conditions

None

Feature Cross Reference

None

Program

84

Program 84 : Hardware Setup for VoIPDB


84-26 : VoIP Basic Setup (DSP)

Level
IN

Description

Use **Program 84-26 : VoIP Basic Setup** to set the IP address and the port of VoIP.

Input Data

Slot Number	0
VoIPDB GW Number	
 GW Number will not be shown in Telephone Programming mode.	1

Item No.	Item	Input Data	Default
01	IP Address	xxx.xxx.xxx.xxx	172.16.0.20 ~
02	RTP Port Number	0 ~ 65534	VoIP GW 1 = 10020~10051
03	RTCP Port Number	RTP Port Number + 1	VoIPDB GW1 = 10021

Conditions

None

Feature Cross Reference

None

Program

84

Program 84 : Hardware Setup for VoIPDB

84-27 : VoIP Basic Setup

Level
IN

Program

Description

Use **Program 84-27 : VoIP Basic Setup** to set the DTMF Relay and the SRTP mode of the VoIPDB.

Input Data

Slot Number		0		
Item No.	Item	Input Data	Description	Default
01	DTMF Relay Setup	0 = DTMF Relay disabled 1 = In-Band DTMF Relay - Do not report to host processor 2 = Out Band Relay - Do not pass tones as voice		2
02	Setup CODEC Mode	0 = Default 1 = Mode 1 (G.723/iLBC)	Default means the system uses another CODEC except G.723. Mode 1 means the system uses all CODECs, but the limitation of the total number of available DSP will be applied.	0
03	SRTP Mode Setup	0 = Disable 1 = Enable		0
04	SRTP Mode Select	0 = Mode1		0
06	H.245 Port Number	0 ~ 65535		10100
07	Preparation Completion Response Port Number	0 ~ 65535		4000
08	DTMF Duration	0 = Use RFC2833 25 ~ 2000 ms		0
09	DTMF Pause	0 = Use RFC2833 25 ~ 2000 ms		0
10	DTMF Twist Positive Level	0 ~ 24 dB		5
11	DTMF Twist Negative Level	0 ~ 24 dB		0
12	DTMF Duration	30 ~ 2000 ms		100
13	DTMF Level	1 ~ 61 (-36 dB ~ +24 dB) 1 = -36 dB 2 = -35 dB : 37 = 0 dB : 60 = 23 dB 61 = 24 dB		25 (-12 dB)
14	ICMP REDIRECT	0 = Enabled, Voice packets will follow ICMP redirect messages. 1 = Disabled, Voice packets will NOT follow the ICMP redirect message.		1
15	DTMF Detect Minimum Duration	23 ~ 2000 ms	This setting is the minimal time setting to distinguish DTMF tones for the IPLB. If the signal is shorter than the value set, the signal is deemed not a DTMF.	30
16	DTMF Detect Minimum Level	0: -40dbm 1: -39dbm 2: -38dbm : 31: -9dbm	This setting is the minimal level setting to distinguish DTMF tones. If the signal is shorter than the value set, the signal is deemed not a DTMF.	2 (-38dbm)

Item No.	Item	Input Data	Description	Default
17	DTMF Detect Minimum S/N Ratio	0: -9db 1: -8db : 6: -3db 7: -2db 8: -1db 9: 0db	This is a frequency ratio setting of the DTMF for the frequency other than the DTMF tone. When this value comes to 0db, the DTMF is distinguished only when the signal level except DTMF is low. In case of wrong DTMF detection by a person's voice, there is the possibility that the level except DTMF is large. The system will be able to protect a wrong DTMF detection by choosing 0db value or so.	6 (-3db)

Conditions

None

Feature Cross Reference

None

Program 84 : Hardware Setup for VoIPDB

84-28 : DR700 Multiline Firmware Name Setup

Level

IN

Program

84

Description

Use **Program 84-28 : DR700 Multiline Firmware Name Setup** to set the firmware name to download for the IP Phone.

Input Data

Terminal Type	1 ~ 3 = Not used 4 = IP4WW-24TIXH
---------------	--------------------------------------

Item No.	Item	Input Data	Default
01	Firmware Directory	Maximum 64 characters	No Setting
02	Firmware File Name	Maximum 30 characters	No Setting

Conditions

None

Feature Cross Reference

None

Program 84 : Hardware Setup for VoIPDB

84-29 : SIP-MLT CODEC Information Fixed Mode Setup

Level
IN

Description

Use **Program 84-29 : SIP-MLT CODEC Information Fixed Mode Setup** to set the CODEC data of the SIP-MLT when it uses Multicast.

Input Data

Type	1 = Type 1 (Multicast) 2 = Type 2 (reserved) 3 = Type 3 (reserved) 4 = Type 4 (reserved) 5 = Type 5 (reserved)
------	--

Item No.	Item	Input Data	Default
01	Audio Capability	1 = G.711 A-law 2 = G.711 μ -law 3 = G.729 5 = G.722	1
02	Number of Audio Frames	1 ~ 4 (V2.0 Changed) 1 = 10 ms (G.711 / G.722 / G.729) 2 = 20 ms (G.711 / G.722 / G.729) 3 = 30 ms (G.711 / G.722 / G.729) 4 = 40 ms (G.711 / G.722 / G.729) 5 = 50 ms (G.729) (V2.0 Deleted) 6 = 60 ms (G.729) (V2.0 Deleted)	2
03	RTP Filter	0 = Disable 1 = Enable	1

Conditions

None

Feature Cross Reference

None

Program

84

Program 84 : Hardware Setup for VoIPDB

84-31 : VoIPDB Echo Canceller Setup

Level
IN

Program

Description

Use **Program 84-31 : VoIPDB Echo Canceller Setup** to sets VoIPDB echo canceller value.

Input Data

Type	
	1 = H.323 Trunk 2 ~ 7 = Not Used 8 = SIP Trunk 9 = SIP Extension 10 = Not used 11 = DR700 Type 1 12 = DR700 Type 2 13 = DR700 Type 3 14 = DR700 Type 4 15 = DR700 Type 5 16 = Not used

Item No.	Item	Input Data	Description	Default	Related Program
01	TDM Echo Canceller mode	0 = Disable 1 = Enable		1	
02	TDM Echo Canceller NLP mode(2W)	0 = Disable 1 = Enable 2 = Echo Path Mode 3 = Echo Path Auto Detect Mode		1	
03	TDM Echo Canceller ComfortNoise mode (V2.0 Added)	0 = Disable 1 = Enable	Do not change the setting unless asked to change by engineer. Select comfort noise as background noise. Effective when PRG 84-31-01 = 1	1	84-31-01
04	TDM Echo Canceller NLP Threshold	0 ~ 15		12	
05	TDM Echo Canceller Tail Displacement (V2.0 Added)	0 ~ 89 (0 ms ~ 890 ms)	Do not change the setting unless asked to change by engineer. Effective when PRG 84-31-01 = 1	0	84-31-01
06	TDM Echo canceller tail length (V2.0 Added)	1 = 32 ms 2 = 48 ms 3 = 64 ms 4 = 80 ms 5 = 96 ms 6 = 112 ms 7 = 128 ms	Do not change the setting unless asked to change by engineer. Select length of echo. Effective when PRG 84-31-01 = 1	7	84-31-01
07	TDM Echo Canceller Default ERL Level (V2.0 Added)	0 ~ 6 (- 9 db ~ 9 db) 0 = - 9 db 1 = - 6 db 2 = - 3 db : 5 = 6 db 6 = 9 db	Do not change the setting unless asked to change by engineer. Select length of echo. Effective when PRG 84-31-01 = 1	5	84-31-01
08	TDM Echo Canceller Echo Type	0 = Disable 1 = Line Echo Canceller 2 = Acoustic Echo Canceller		1	

Item No.	Item	Input Data	Description	Default	Related Program
09	TDM Max ERLE (V2.0 Added)	0 ~ 6 (- 9 db ~ 9 db) 0 = - 9 db 1 = - 6 db 2 = - 3 db : 5 = 6 db 6 = 9 db	Do not change the setting unless asked to change by engineer. Select maximum echo return loss level. Effective when PRG 84-31-01 = 1	2 (30 db)	84-31-01
10	TDM Tx Level Control	0 = Disable 1 = TxLevelControl mode 2 = TxAutomaticLevelControl mode 3 = HLC		3	
11	TDM Tx LevelControl Level	0 ~ 16 (- 24 ~ 24 dB) 0 = - 24 dB 1 = - 21 dB 2 = - 18 dB : 8 = 0 dB : 14 = 18 dB 15 = 21 dB 16 = 24 dB		8	
12	TDM Tx AutomaticLevelControl Level (V2.0 Added)	0 ~ 12 (- 42 ~ - 6 dBm) 0 = - 42 dBm 1 = - 39 dBm : 7 = - 21 dBm : 11 = - 9 dBm 12 = - 6 dBm	Do not change the setting unless asked to change by engineer. Select target gain. Effective when PRG 84-31-10 = 2	7	84-31-10
13	TDM Tx HLC Threshold	0 ~ 42 (- 42 ~ 0 dBm) 0 = - 42 dBm 1 = - 41 dBm : 42 = 0 dBm		41	
14	TDM Tx Gain Compression mode	0 = Disable 1 = Enable		1	
15	TDM Tx Gain Compression Threshold	0 = - 42 dBm 1 = - 41 dBm : 42 = 0 dBm		41	
16	TDM Rx Level Control (V2.0 Added)	0 = Disable 1 = RX Level Control Mode 2 = RX Automatic Level Control Flag	Do not change the setting unless asked to change by engineer. Select receive level control mode.	0	
17	TDM Rx LevelControl Level (V2.0 Added)	0 ~ 16 (- 24 ~ 24 db) 0 = - 24 db 1 = - 21 db 2 = - 18 db : 8 = 0 db : 14 = 18 db 15 = 21 db 16 = 24 db	Do not change the setting unless asked to change by engineer. Select receive voice level. Effective when PRG 84-31-16 = 1	8	84-31-16
18	TDM Rx AutomaticLevelControl Level (V2.0 Added)	0 ~ 12 (- 42 ~ - 6 dBm) 0 = - 42 dBm 1 = - 39 dBm : 7 = - 21 dBm : 11 = - 9 dBm 12 = - 6 dBm	Do not change the setting unless asked to change by engineer. Select target gain. Effective when PRG 84-31-16 = 2	7	84-31-16
19	RTP Echo Canceller mode	0 = Disable 1 = Enable		0	
20	RTP Echo Canceller NLP mode	0 = Disable 1 = Enable		0	

Item No.	Item	Input Data	Description	Default	Related Program
21	RTP Echo Canceller ComfortNoise mode (V2.0 Added)	0 = Disable 1 = Enable	Do not change the setting unless asked to change by engineer. Select comfort noise as background noise on or off. Effective when PRG 84-31-19 = 1	1	84-31-19
22	RTP Echo Canceller NLP Threshold	0 ~ 15		12	
23	RTP Echo Canceller Tail Displacement (V2.0 Added)	0 ~ 89 (0 ms ~ 890 ms)	Do not change the setting unless asked to change by engineer. Effective when PRG 84-31-19 = 1	0	84-31-19
24	RTP Echo Canceller Tail Length (V2.0 Added)	1 = 32 ms 2 = 48 ms 3 = 64 ms 4 = 80 ms 5 = 96 ms 6 = 112 ms 7 = 128 ms	Do not change the setting unless asked to change by engineer. Select length of echo. Effective when PRG 84-31-19 = 1	7	84-31-19
25	RTP Echo Canceller Default ERL Level (V2.0 Added)	0 ~ 6 (- 9 dB ~ + 9 dB) 0 = - 9 dB 1 = - 6 dB 2 = - 3 dB : 5 = 6 dB 6 = 9 dB	Do not change the setting unless asked to change by engineer. Select length of echo. Effective when PRG 84-31-19 = 1	5	84-31-19
26	RTP Echo Canceller Echo Type	0 = Disable 1 = Line Echo Canceller 2 = Acoustic Echo Canceller		0	
27	RTP Max ERLE (V2.0 Added)	0 ~ 10 (24 ~ 54 dB) 0 = 24 dB 1 = 27 dB : 9 = 51 dB 10 = 54 dB	Do not change the setting unless asked to change by engineer. Select maximum echo return loss level. Effective when PRG 84-31-19 = 1	2	84-31-19
28	RTP Tx Level Control	0 = Disable 1 = TxLevelControl mode 2 = TxAutomaticLevelControl mode 3 = HLC		Type 1, 8 = 3 Type 9, 11~15 = 0	
29	RTP Tx Level Control Level	0 ~ 16 (- 24 ~ 24 dB) 0 = - 24 dB 1 = - 21 dB 2 = - 18 dB : 8 = 0 dB : 14 = 18 dB 15 = 21 dB 16 = 24 dB		8	
30	RTP Tx AutomaticLevelControl Level (V2.0 Added)	0 ~ 12 (- 42 dbm ~ - 6 dbm) 0 = - 42 dBm 1 = - 39 dBm : 7 = - 21 dBm : 11 = - 9 dBm 12 = - 6 dBm	Do not change the setting unless asked to change by engineer. Select target gain. Effective when PRG 84-31-28 = 2	7	84-31-28
31	RTP Tx HLC Threshold	0 ~ 42 (- 42 dBm ~ 0 dBm) 0 = - 42 dBm 1 = - 41 dBm : 42 = 0 dBm		Type 1, 8 = 36 Type 9, 11~15 = 42	
32	RTP Tx Gain Compression mode	0 = Disable 1 = Enable		Type 1, 8 = 1 Type 9, 11~15 = 0	

Item No.	Item	Input Data	Description	Default	Related Program
33	RTP Tx Gain Compression Threshold	0 ~ 42 (- 42 dBm ~ 0 dBm) 0 = - 42 dBm 1 = - 41 dBm : 42 = 0 dBm		Type 1, 8 = 36 Type 9, 11~15 = 42	
34	RTP Rx Level Control (V2.0 Added)	0 = Disable 1 = RX Level Control Mode 2 = RX Automatic Level Control Flag	Do not change the setting unless asked to change by engineer. Select receive level control mode.	0	
35	RTP Rx LevelControl Level (V2.0 Added)	0 ~ 16 (- 24 dB ~ + 24 dB) 0 = - 24 dB 1 = - 21 dB : 8 = 0 dB : 15 = 21 dB 16 = 24 dB	Do not change the setting unless asked to change by engineer. Select receive voice level. Effective when PRG 84-31-34 = 1	8	84-31-34
36	RTP Rx AutomaticLevelControl Level (V2.0 Added)	0 ~ 12 (- 42 dBm ~ - 6 dBm) 0 = - 42 dBm 1 = - 39 dBm : 7 = - 21 dBm : 11 = - 9 dBm 12 = - 6 dBm	Do not change the setting unless asked to change by engineer. Select target gain. Effective when PRG 84-31-34 = 2	7	84-31-34
37	TDM Echo Canceller NLP mode (4W)	0 = Disable 1 = Enable 2 = Echo Path Mode 3 = Echo Path Auto Detect Mode		1	

Conditions

None

Feature Cross Reference

None

Program

84

Program 90 : Maintenance Program

90-01 : Installation Date

Level
IN

Program

90

Description

Use **Program 90-01 : Installation Date** to define the installation date of the system.

Input Data

Item No.	Item	Input Data	Default
01	Year	00 ~ 99	00 (No Setting)
02	Month	01 ~ 12	00 (No Setting)
03	Day	01 ~ 31	00 (No Setting)

Conditions

None

Feature Cross Reference

None

Program 90 : Maintenance Program

90-02 : Programming Password Setup

Level
IN

Description

Use **Program 90-02 : Programming Password Setup** to set the system passwords. For password entry, the system allows eight users to be defined. Each user can have a:

- Unique alphanumeric name (up to 10 alphanumeric characters)
- Password entry of up to eight digits (using 0 ~ 9, # and *)
- Password level

The IN level password is used by the System Installer for system programming. The SA or SB level password cannot access the IN level programs. The reverse type (white on black) just beneath the Description heading is the program access level. You can only use the program if your access level meets or exceeds the level the program requires. (SA level password can access to SA or SB programs, and SB level password can access to SB programs only.)



It is NOT recommended to change these data. If you must change these Data make sure you keep the ID/Password or you will never be able to enter the program unless you clear all the System Data/Setting.

Input Data

User Number		1 ~ 8	
Item No.	Item	Input Data	Default
01	User Name	Maximum 10 characters	Refer below
02	Password	Up to eight digits	Refer below
03	User Level	0 = Prohibited User 2 = IN (Installer Level) 3 = SA (System Administrator Level 1) 4 = SB (System Administrator Level 2) 5 = UA (User Programming Administer Mode Level 1)	Refer below

Default

User No.	User Name	Password	Level	Level Description
1	nec-i	*****	1 (MF)	Manufacture Level - Access to all system program
2	tech	12345678	2 (IN)	Installer Level - Access to all IN level programs.
3	admin1	0000	3 (SA)	System Administrator Level 1 - Restricted Access
4	admin2	9999	4 (SB)	System Administrator Level 2 - More Restricted Access
5	user1	1111	5 (UA)	User Programming Administer Mode Level 1

Conditions

- More than one extension can be in the programming mode.

Feature Cross Reference

None

Program 90 : Maintenance Program

90-03 : Save Data

Level
SA

Program

90

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 90-03 : Save Data** to save the programmed data on the CF Card. This program should be used after changing the programmed data.

Input Data

Item No.	Item	Input Data	Default
01	Save Data	Dial 1 + press Hold (Press Hold only to cancel.)	-

Conditions

- Before Uploading Customer Database please make sure you reset the system either by using 90-08 or Power down/up the system.
- When installing a compact flash card onto the PZ-VM21 the system **MUST** be powered off. Never install or uninstall the compact flash card while the system is under power.

Feature Cross Reference

None

Program 90 : Maintenance Program

90-04 : Load Data

Level
SA

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 90-04 : Load Data** to load the system data from the inserted CF Card into the PZ-VM21 Daughter Board installed to the system.

Input Data

Item No.	Item	Input Data	Default
01	Load Data	Dial 1 + press Hold (Press Hold only to cancel.)	-

Conditions

- After uploading the data the display will change to a next Program. Then make sure you **EXIT** the Program order for upload to complete. Now some of the setting needs to have system reset order for setting to be effective (example: IP Address, Line Key Assignment) so we **Recommend** to reset the system.
- When installing a compact flash card onto the PZ-VM21 the system **MUST** be powered off. Never install or uninstall the compact flash card while the system is under power.

Feature Cross Reference

None

Program

90

Program 90 : Maintenance Program

90-05 : Slot Control

Level
IN

Program

90

Description

Note: This program is available via telephone programming and WebPro not through PC Programming.

Use **Program 90-05 : Slot Control** to reset or delete (uninstall) units (slots 0 ~ 9).

Delete allows you to completely uninstall the unit. You should do this if you want to remove a unit and plug it into a different slot and still retain the port assignments. If a different type of interface unit is being installed in a slot previously used, the slot should be deleted (option 1) first before installing the new interface unit.

Reset allows you to send a reset code.

Input Data

Menu Number	1 = Delete 2 = Reset 3 = Set Busy Out 4 = Reset Busy Out
-------------	---

Item No.	Item	Input Data
01	Slot Control	Slot Number 0 ~ 9

Conditions

- When you delete or reset a unit, you must first remove it from its slot then run Program 90-05. When reusing the slot for another unit, you must plug the unit in or reset the system before the system can use the slot again.
- When you delete or reset a unit, all related programming in Program 10-03-01 is set back to default.

Feature Cross Reference

None

Program 90 : Maintenance Program

90-06 : Trunk Control

Level
SA

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 90-06 : Trunk Control** for trunk maintenance. Busy Out lets you block a unit from placing outgoing calls (just like placing the unit switch down). Once busied out, none of the ports on the unit can be used for new calls. Existing calls, however, are not torn down.

Input Data

Menu Number		0 = Set Busy Out 1 = Reset Busy Out (idle)	
Item No.	Item	Input Data	Default
01	Trunk Control	Trunk Port Number : 001 ~ 096	1

Conditions

None

Feature Cross Reference

None

Program

90

Program 90 : Maintenance Program

90-07 : Station Control

Level
SA

Program

90

Description

Note: This program is available via telephone programming and WebPro not through PC Programming.

Use **Program 90-07 : Station Control** for extension maintenance.

Input Data

Menu Number	1 = Hardware Reset 2 = Software Reset
-------------	--

Item No.	Item	Input Data	Default
01	Extension Control	Extension Number (up to eight digits)	-

Conditions

None

Feature Cross Reference

None

Program 90 : Maintenance Program

90-08 : System Reset

Level
IN

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 90-08 : System Reset** to perform a system reset.

Input Data

Item No.	Item	Input Data	Default
01	System Reset	Dial 1 + press Hold (Press Hold key only to cancel.)	-

Conditions

- Some of changes made to a program may need to reset the system order for the change to be effective.

Feature Cross Reference

None

Program

90

Program 90 : Maintenance Program

90-09 : Automatic System Reset Time Setup

Level
IN



Program

90

Description

Use **Program 90-09 : Automatic System Reset Time Setup** to define the time for the system to automatically reset.

Input Data

Item No.	Item	Input Data	Default
01	Month	00 ~ 12  If the Month is set to 00 and Day is set, the system is automatically reset every month on the predefined day.	00
02	Day	00 ~ 31  If the Day is set to 00 and the Time (Hour and Minute) is set, the system automatically resets every day at the predefined time.	00
03	Hour	00 ~ 23	00
04	Minute	00 ~ 59	00

Conditions

None

Feature Cross Reference

None

Program 90 : Maintenance Program

90-10 : System Alarm Setup

Level
IN

Description

Use **Program 90-10 : System Alarm Setup** to assign a status to system alarms. You can designate an alarm as Major or Minor. This program also assigns whether or not the alarm information is reported to the pre-defined destination.

Input Data

Alarm Number		001 ~ 100
Item No.	Item	Input Data
01	Alarm Type	0 = Not Set 1 = Major Alarm 2 = Minor Alarm
02	Report	0 = Not Report (No autodial) 1 = Report (autodial)

Program

90

Table 2-17 Description of Alarm

Alarm No.	Type	Report	Name	Content of Alarm	Cause	Action	Recovery	Alarm Status	Note
1	2	0	PKG Initialize Error.	1. The PKG failed to initialize. 2. The PKG did not start normally.	1. PKG not inserted firmly. 2. PKG was removed, but not reinserted firmly. 3. Old PKG data still reported due to no initialization.	1. Insert PKG firmly. 2. Insert PKG firmly. 3. Delete slot information in Program 90-05 and insert the PKG again.	During initialization, the PKG is recognized.	ERR REC	
2	2	0	PKG Mounting Error	The unit did not step on a regular procedure and it was pulled out. Or, it is not normally inserted.	1. The package is not completely inserted. 2. The package is out of order.	1. Please insert the package firmly. 2. Please try again after initializing the system data once when LED doesn't blink normally. 3. Exchange packages.	When unit is reconfirmed, the error is recovered.	ERR REC	

Alarm No.	Type	Report	Name	Content of Alarm	Cause	Action	Recovery	Alarm Status	Note
3	2	0	Connecti on fault between CPU and other PKGs.	The error occurred when communicating with the package. When the package is broken, it recognizes it as a communication fault.	1. The unit is not completely inserted. 2. The power-supply voltage of the system is outside ratings. 3. The equipment that generates the noise in the same power supply system as the power supply origin of the system is connected, and it malfunctions because of the power supply noise. 4. The equipment to which it is adjacent to of a main device, and has put out the radiation noise exists, and it malfunctions because of the radiation noise. 5. The chassis is not properly grounded.	1. Please insert the unit firmly. 2. The power-supply voltage must use another power supply when is in the range of ratings or measuring with the voltmeter, and deviating from the rated range. 3. Please use the power supply besides the equipment with the possibility of the noise source. 4. Please separate as much as possible and use a main device from the equipment by which you seem may generate the radiation noise. 5. Please ground the chassis correctly.	When unit is confirmed, the error is recovered.	ERR REC	
4	2	0	PKG S/W Download Error	The unit program could not be downloaded normally. The unit could not able to be started normally.	1. The package software is not stored in the downloaded USB memory. 2. The stored package software is illegal. Package information that was installed before remains.	1. Delete slot information that corresponds by Program 90-05-01 to delete package information that was installed before. 2. There is a possibility that the unit program is broken though an external factor of the noise etc. is thought. 3. Please load into the USB memory and try again when you back up the unit program. 4. Please Check with maker on uncertain points.	Please exchange units, though it is likely to restore by mounting the unit again. When the unit program is normally downloaded , the error is recovered.	ERR REC	

Alarm No.	Type	Report	Name	Content of Alarm	Cause	Action	Recovery	Alarm Status	Note
6	0	0	Blocking	The link of terminals connected with the ESI package came off.	1. Terminal Breakdown. 2. Faulty wiring and wiring termination. 3. External noise. 4. ESI package Breakdown.	Confirm the terminal connected with same ESI. If they work normally, confirm the breakdown or the wiring for the terminal. Exchange the terminal that doesn't work and the working terminal, and confirm it's working. An external factor of the noise etc. is thought. Please reconfirm wiring and the installation, etc. Please inquire of the manufacturer when the problem occurs after it confirms it.	The error is recovered when connecting or exchanging it.	ERR REC	
8	1	0	RAM Backup Battery Error	RAM backup battery on the CPU unit is unplugged or defective.		Check the battery connector. If it is connected correctly, replace the battery.	The error is recovered once the battery is replaced.	ERR REC	
10	0	0	ISDN Link Error	Layer1 link of ISDN lines came off.	1. Check Connection between main device and ISDN line. 2. DSU Breakdown. 3. The setting of Program 10-03 does not correspond to an actual line.	1. Confirm the data of Program 10-03. 2. Confirm wiring and the installation of DSU. 3. Check with the manufacturer if the problem occurs again.	When the connection returns normally, the error is recovered.	ERR REC	
11	0	0	CTI Link Error	The link with the CTI server came off.	1. LAN cable defective. 2. Connected HUB broken. 3. The CTI server doesn't start normally.	1. Confirm the CTI server, wiring, and the connection. 2. Check the manufacturer if the problem occurs again.	When the connection returns normally, the error is recovered.	ERR REC	
14	0	0	LAN Link Error	The link with LAN on CPU came off.	1. LAN cable defective. 2. Connected HUB broken. 3. Defective CPU.	Confirm the operation of LAN connector, LAN cable, and HUB again.	When the connection returns normally, the error is recovered.	ERR REC	
17	1	0	Denial of service	The system received illegal packet.	Service outage (Dos attack)	Confirm whether to find abnormality on the net side.		WAR	
18	1	0	Connection Error	Digital Station Wiring Error	The wiring connection between the Multiline terminal and the system has an issue.	Check all wiring in between the Multiline terminal and the digital station card.		MAJ	

Program

90

Alarm No.	Type	Report	Name	Content of Alarm	Cause	Action	Recovery	Alarm Status	Note
30	2	0	SMDR Buffer full	The temporary buffer for SMDR in main device overflowed, and a part of output SMDR data disappeared because it could not output SMDR data.	1. Problem of wiring to connect main device with PC. 2. PC Problem.	1. Confirm whether there is problem in wiring to connect a main device with PC. 2. Execute the reactivation of PC.	When the output is restarted, the error is recovered. However, the SMDR data after the error occurs is not recorded.	ERR REC	
31	1	0	Security Sensor detected	Sensor detected abnormality.	Sensor detected abnormality.	Especially, anything need not be done.		INF	
32	1	0	Automatic Transmission from Remote Surveillance	Remote watch function did auto dialing.	Remote watch function did auto dialing.	Especially, anything need not be done.		INF	
50	1	0	System Start Notification	The system started.	The system was started.	No action needed.			
51	0	0	System Data change	CPU Upgrade is performed or Programming change is made.		No action needed.			
54	2	0	License Management Table Full	A new TCP/IP terminal and the DSP board were not able to be added to the application license management table. •The license management table is registering full.	Maximum 512 license information on the TCP/IP terminal is registered, and a new terminal cannot be registered.	Please delete license information on an unnecessary TCP/IP terminal with Program 90-44.		WAR	
55	2	0	Regular maintenance exchange notification.	The regular maintenance exchange day has passed.	•The regular maintenance exchange day that had been set with Program 90-51 exceeded it.	Please do the maintenance exchanges of pertinent parts, and set the next regular maintenance exchange day with Program 90-51.	The excess on the regular maintenance exchange day is canceled by changing Program 90-51 or when the function is invalidated, the error is recovered.	ERR REC	
57	2	0	IP Collision error	Check the IP Address collision (CPU, VOIPDB, Program 84-26-01 GW : 1 ~ 8).	Collision IP Address in the network.	Check the IP Address in the network.	Recover the IP Address collision.	WAR	

Alarm No.	Type	Report	Name	Content of Alarm	Cause	Action	Recovery	Alarm Status	Note
60	2	0	SIP Registrati on Error Notificati on.	1. The registration of the SIP trunk to the SIP server failed. 2. The registration of the SIP trunk to the SIP server failed in the authentication. 3. There is no response from the SIP server to the SIP registration request.	1. The setting of the system data is wrong. 2. The setting of the router is wrong. 3. It is an error to the link of LAN. 4. Net side trouble.	1. Confirm the following system data setting – Programs 10-12, 10-28, 10-29, 10-30, and 10-36. 2. Confirm the setting of routers. 3. Confirm whether abnormality occurs on the net side. 4. Confirm the authentication system data setting. 5. Confirm wiring and the system data setting. Please inquire on uncertain points of the maker.	The error is recovered when normally connecting it.	ERR REC	
61	0	0	SIP extensio n trouble informati on.	1.Failed registration of the SIP extension terminal. 2.The SIP extension terminal was not acquired: 3.At Regist of the SIP extension terminal to SL1100. 4.When you cannot acquire the DSP resource when it sent.	1. The registered port is used by other extension. 2. The license is insufficient. 3. DSP of VoIPDB not acquired.	1. Confirm wiring and the system data setting. 2. Confirm whether each equipment such as access points works normally.		ERR REC	
63	0	0	SIP-MLT trouble informati on.	1. The trouble occurred by the SIP-MLT relation. 2. The DSP resource could not be acquired at incoming/outgoi ng. 3. The negotiation with VoIPDB failed.	1. The packet loss occurred on the network or the wiring cutting occurred. 2. DSP of VoIPDB not acquired.	Confirm whether each equipment such as wirings and HUB is normal.		WAR	
64	1	0	VoIPDB LAN Link Error.	The link of LAN of VoIPDB came off.	1. LAN cable is defective. 2. Connected HUB broken. 3. Defect CPU.	1. Confirm LAN connector and wiring. 2. Check with maker on uncertain points.	When the connection returns normally, the error is recovered.	ERR REC	
65	0	0	VOIPDB trouble informati on.	When DSP of VoIPDB notifies Error.	VoIPDB. Defective.	1. Possibility of defective hardware. 2. Check with maker on uncertain points.		WAR	

Program

90

Alarm No.	Type	Report	Name	Content of Alarm	Cause	Action	Recovery	Alarm Status	Note
66	2	0	SIP extension License Error.	More than the number of licenses to which the SIP extension terminal was turned on at REGISTER.	Wrong number of licenses.	1. Confirm the number of licenses for SIP extension terminals. 2. Check with maker on uncertain points.	When the number of registration of SIP extension terminals falls below the number of licenses.	WAR	
67	0	0	SIP illegal Packet received	The system received illegal packet.	A client or network was illegal state.	Check with maker on uncertain point, when happening frequently when operating it.		INF	
68	2	0	VoIPDB DSP All Busy Alarm	1. Provides alert when all DSP resources are being used. 2. Used to troubleshoot or alerting when upgrade is needed.	Not enough DSP resources in system.	Install VMDB with more DSP resources.			

Conditions

- The entire terminal that has an Alarm Display setting can be set at Program 90-50-01.
- System Alarm Type is shown despite the setting done at 90-10-01. If multiple Alarm Display Setting is set, only one highest priority alarm will be shown on a LCD Display.
- The priority level (highest -> lowest) : Alarm 55 > Alarm 7 > Alarm 5 > Alarm 30 > Alarm 8 > Alarm 52 > Alarm 29 > Free Demo License Period.

Feature Cross Reference

None

Program 90 : Maintenance Program

90-11 : System Alarm Report

Level
IN

Description

Use **Program 90-11 : System Alarm Report** to define the details of the system alarm report.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
02	Report Method	0 = No Report 1 = E-mail Address	When alarm reports are e-mailed, set this option to 1. E-mail address set in 90-11-08.	0	
06	SMTP Host Name	Up to 255 Characters	When alarm reports are e-mailed, set the SMTP name (ex : smtp.yourisp.com). Contact your ISP (internet service provider) for the correct entry if needed.	No Setting	
07	SMTP Host Port Number	0 ~ 65535	When alarm reports are e-mailed, set the SMTP host port number. Contact your ISP (internet service provider) for the correct entry if needed.	25	
08	To E-mail Address	Up to 255 Characters	When alarm reports are e-mailed, set this e-mail address to which the report should be sent.	No Setting	
09	Reply Address	Up to 255 Characters	When alarm reports are e-mailed, set the e-mail address where replies should be e-mailed.	No Setting	
10	From Address	Up to 255 Characters	When alarm reports are e-mailed, set this e-mail address for the station sending the report.	No Setting	
11	DNS Primary Address	0.0.0.0 ~ 255.255.255.255	When alarm reports are e-mailed, set the DNS primary address.	0.0.0.0	
12	DNS Secondary Address	0.0.0.0 ~ 255.255.255.255	When alarm reports are e-mailed, set the DNS secondary address.	0.0.0.0	
13	Customer Name	Up to 255 Characters	When alarm reports are e-mailed, enter a name to identify the particular system.	No Setting	
14	Change SMTP Client (V2.0 Added)	0 = No 1 = Yes	In case of YES uses a PRG47-18 SMTP client.(MEMDB/CF mounting is required.) To Address (PRG 90-11-08), CC Mail Address (PRG 90-25-01) Up to 48 characters. In case of No uses a PRG 90-11 SMTP client.	0	90-11-08 90-25-01 47-18 90-11
15	DIMLOG Notification (V2.0 Added)	0 = No 1 = Yes	PRG 90-11-14=YES (PRG 47-18 SMTP Client uses) and CF mount are necessary. In the case of System Fault, Dimlast.gz and Dimdump.gz are notified.	0	90-11-14

Conditions

None

Feature Cross Reference

None

Program

90

Program 90 : Maintenance Program

90-12 : System Alarm Output

Level
IN

Program

90

Description

Use **Program 90-12 : System Alarm Output** to set the options for the alarm report. This program has six separate menu options. Define the output port to be used as the output for system alarm report and set the system alarm options. The system can have up to 50 reports.

Input Data

Item No.	Item	Input Data	Description	Default
01	Output Port Type	0 = No setting 5 = Compact Flash	Indicate the type of connection used for the System Alarms.	0

Conditions

None

Feature Cross Reference

None

Program 90 : Maintenance Program


90-13 : System Information Output

Level
IN

Description

Use **Program 90-13 : System Information Output** to define the output port to be used as the system information output.

Input Data

Item No.	Item	Input Data	Description	Default
01	Output Port Type	0 = No setting 5 = Compact Flash	Indicate the type of connection used to print the system information.	0
05	Output Command	Dial 1 + press Hold (Press Hold only to cancel.)	 <i>This program only be able to access by Telephone programming.</i>	-

Conditions

None

Feature Cross Reference

None

Program

90

Program 90 : Maintenance Program

90-16 : Main Software Information

Level
IN

Program

90

Description

Use **Program 90-16 : Main Software Information** to display the main software information on the CPU.

Input Data

Item No.	Item	Input Data	Default
01	Version Number	01.00 ~ 99.99	ASCII Code (5 Bytes)
02	Software Release Date	May 22 2002 17 : 53 : 46	ASCII Code (20 Bytes)

Conditions

None

Feature Cross Reference

None

Program 90 : Maintenance Program

90-17 : Firmware Information

Level
IN

Description

Use **Program 90-17 : Firmware Information** to display the firmware versions of the various system units.

Input Data

Item No.	Item	Input Data	Default
01	DSP Firmware Version No.	00.00.00.00 ~ 15.15.15.15	BCD Code (2 Byte)

Conditions

None

Feature Cross Reference

None

Program

90

Program 90 : Maintenance Program

90-19 : Dial Block Release

Level

SA

Program

90

Description

Note: This program is available via telephone programming and WebPro not through PC Programming.

When the extension number is entered in **Program 90-19 : Dial Block Release**, the extension is released from the Dial Block restriction.

Input Data

Extension Number		Up to eight digits		
Item No.	Item	Input Data	Description	Default
01	Delete IP Telephone	[Release ?] : Dial 1 + press Hold (Press Hold only to cancel.)	This assignment removes the station number association with the MAC address of the IP station.	-

Conditions

None

Feature Cross Reference

- Code Restriction/Toll Restriction

Program 90 : Maintenance Program

90-20 : Traffic Report Data Setup

Level
IN

Description

Use **Program 90-20 : Traffic Report Data Setup** to define the details of the traffic report.

Input Data

Item No.	Item	Input Data	Default
01	Call Traffic Output	0 = Not Measured 1 = Measure	0
03	All Line Busy Output	0 = Not Detected 1 ~ 256 (Report when the data reaches the defined value)	0
04	DTMF Receiver Busy Output	0 = Not Detected 1 ~ 256 (Report when the data reaches the defined value)	0
05	Dial Tone Detector Busy Output	0 = Not Detected 1 ~ 256 (Report when the data reaches the defined value)	0
06	Caller ID Receiver Busy Output	0 = Not Detected 1 ~ 256 (Report when the data reaches the defined value)	0
07	Voice Mail Channel All Busy Output	0 = Not Detected 1 ~ 256 (Report when the data reaches the defined value)	0
09	Attendant Channel All Busy Output	0 = Not Detected 1 ~ 256 (Report when the data reaches the defined value)	0
11	Security Sensor Dial Record Record Security sensor dialing and Remote Inspection dialing to security report	0 = Not Recorded 1 = Recorded	1

Conditions

None

Feature Cross Reference

- Traffic Reports

Program

90

Program 90 : Maintenance Program

90-21 : Traffic Report Output

Level
IN

Program

90

Description

Use **Program 90-21 : Traffic Report Output** to define the output port to be used as the traffic report output.

Input Data

Item No.	Item	Input Data	Default
01	Output Port Type	0 = No setting 3 = LAN	0

Conditions

None

Feature Cross Reference

- Traffic Reports

Program 90 : Maintenance Program

90-23 : Deleting Registration of IP Telephones

Level
IN

Description

Note: This program is available via telephone programming and WebPro not through PC Programming.

Use **Program 90-23 : Deleting Registration of IP Telephones** to delete the registered IP telephone from the system.

Input Data

Extension Number		Up to eight digits		
Item No.	Item	Input Data	Description	Default
01	Delete IP Telephone	[Delete?] : Dial 1 + press Hold (Press Hold only to cancel.)	This assignment removes the station number association with the MAC address of the IP station.	-

Conditions

None

Feature Cross Reference

None

Program

90

Program 90 : Maintenance Program

90-24 : System Alarm Report Notification Time Setup

Level
IN

Program

90

Description

Use **Program 90-24 : System Alarm Report Notification Time Setup** to set the date and time for the alarm report to print.

Input Data

Notification Number		1 ~ 12	
Item No.	Item	Input Data	Default
01	Month	00 ~ 12 (0 = Not Set)	00
02	Day	00 ~ 31 (0 = Not Set)	00
03	Hour	00 ~ 23	00
04	Minute	00 ~ 59	00

Conditions

None

Feature Cross Reference

None

Program 90 : Maintenance Program

90-25 : System Alarm Report CC Mail Setup

Level
IN

Description

Use **Program 90-25 : System Alarm Report CC Mail Setup** to define the mail address to receive the system alarm report CC Mail setup.

Input Data

CC Number	1 ~ 5
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Item No.	Item	Input Data	Default
01	CC Mail Address	Up to 255 Characters	No setting

Conditions

None

Feature Cross Reference

None

Program

90

Program 90 : Maintenance Program

90-26 : Program Access Level Setup

Level
IN

Program

90

Description

Use **Program 90-26 : Program Access Level Setup** to define the password access level required to change a system program.

Input Data

Program Numbers		1001 ~ 9903	
Item No.	Item	Input Data	Default
01	Maintenance Level	Level 1 = MF Level Level 2 = IN Level Level 3 = SA Level Level 4 = SB Level	Refer to the Level indication for each individual program (located in the upper left corner at the beginning of each program).

Conditions

None

Feature Cross Reference

None

Program 90 : Maintenance Program

90-28 : User Programming Password Setup

Level
IN

Description

Use **Program 90-28 : User Programming Password Setup** to set the password used to enter the user programming mode.

Input Data

Extension Numbers		Maximum eight digits	
Item No.	Item	Input Data	Default
01	Password	Fixed four digits	1111

Conditions

None

Feature Cross Reference

None

Program

90

Program 90 : Maintenance Program

90-31 : DIM Access over Ethernet

Level
IN

Program

90

Description

Use **Program 90-31 : DIM Access over Ethernet** to enable DIM (Diagnostic Information Maintenance) access over the LAN, and to define the user name and password. DIM is a maintenance tool used by engineering to extract trace level information.

Input Data

Item No.	Item	Input Data	Default
01	Access Enabling	0 = Disable 1 = Enable	0 (Disable)
02	Username	20 characters (alphanumeric)	SL1100
03	Password	20 characters (alphanumeric)	12345678

Conditions

None

Feature Cross Reference

None

Program 90 : Maintenance Program

90-33 : Preselected Data Setup

Level IN

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use **90-33 : Preselected Data Setup** to setup the system to preselected setting.

Input Data

Item No.	Item	Input Data	Default
01	China	Dial 1 + press Hold (Press Hold only to cancel.)	Refer below
02	Chile	Dial 1 + press Hold (Press Hold only to cancel.)	Refer below
04	Taiwan	Dial 1 + press Hold (Press Hold only to cancel.)	Refer below
05	Korea	Dial 1 + press Hold (Press Hold only to cancel.)	Refer below
06	Hong Kong	Dial 1 + press Hold (Press Hold only to cancel.)	Refer below
07	Brazil	Dial 1 + press Hold (Press Hold only to cancel.)	Refer below
08	Malaysia	Dial 1 + press Hold (Press Hold only to cancel.)	Refer below
09	Thailand	Dial 1 + press Hold (Press Hold only to cancel.)	Refer below
10	India	Dial 1 + press Hold (Press Hold only to cancel.)	Refer below

Default China

Program No.	Name	Default	Note
10-02-01	Country Code	86 (For China)	
14-02-09	Busy Tone Detection	1 (All trunks : On)	
14-02-18	Busy Tone Detection on talking	1 (All trunks : On)	
15-03-15	Disconnect without dial after hooking hold	1 (All stations = Disconnect)	
20-01-09	Camp-on cancel time	30	
20-02-12	Mode setting for incoming call from extension	1 (Signaling call)	
20-17-01	Operator's Extension number	101 (Operator 1 = 101)	
20-31-02	Callback / Trunk Queuing Cancel Time	30	
20-31-07	Ring No Answer Alarm Time	30	
20-31-08	DIL/Incoming Ring Group No Answer Time	30	
20-31-19	DISA Conversation Warning Tone Timer	180	
21-03-01	Trunk Group Routing for Trunks	1 (All trunks : All modes : Group1)	
22-01-03	Incoming ring no answer alarm start Timer	30	
22-01-04	Normal DIL incoming no answer Timer	30	
22-01-08	DID (DDI) Pilot Call No answer timer	30	
22-08-01	Second IRG Setup for unanswered	1 (All trunks : All modes : IRG1)	
25-03-01	DUD/DISA Transfer Ring Group at Wrong dialing	1 (All trunks : All modes : IRG1)	
25-04-01	DUD/DISA Transfer Ring Group at No answer/Busy	1 (All trunks : All modes : IRG1)	
25-07-07	DISA Conversation Warning Tone Timer	180	
26-01-04	LCR Mode Option	1	
30-02-01	DSS Console Extension Assignment	101 (Console No.1 = 101)	
80-04-06	ON min. time (Busy Tone for Trunk)	9	
80-04-07	ON max. time (Busy Tone for Trunk)	12	
80-04-08	OFF min. time (Busy Tone for Trunk)	9	
80-04-09	OFF max. time (Busy Tone for Trunk)	12	
80-04-12	Frequency No 1 (Busy Tone for Trunk)	2	
80-04-14	Twit Level-Rcv1/Rcv2/Rcv3	1	

Program

90

Program No.	Name	Default	Note
80-05-01	Date Format	1 (yy/mm/dd)	
80-07	Call Progress Tone Detector Frequency Setup (Table2)	45	
81-01-09	Time ringing signal stop detection time	70 (4.5 s)	
82-04-08	Maximum hook flash time	132 (660 ms)	
15-03-09	Caller ID Function	1	
15-03-14	Forwarded Caller ID display mode	1	
40-07	Voice Prompt Language Assignment for VRS	15	
47-02-16	Voice Prompt Language (All Station Mailbox Number)	15	
47-06-14	Voice Prompt Language (All Group Mailbox Number)	15	
47-07-03	Prompt Language (All Routing Mailbox Number)	15	
47-10-03	Voice Prompt Language (All Trunk port Number)	15	

Chile

Program No.	Name	Default
10-01-01	- Year	5
10-01-02	- Month	7
10-01-03	- Day	10
10-01-04	- Week (1 : SUN)	4
10-01-05	- Hour	18
10-01-06	- Minute	30
10-01-07	- Second	0
80-01-02	Basic Tone No	1 (Svc Tone 2 Unit 1)
12-01-02	Automatic night mode switch	0
20-02-07	Display mode of Date and Time	8
20-02-09	Disconnect Supervision	1
20-02-12	Mode setting for incoming call from extension	1
20-07-11	Force Trunk disconnection (Analog trunk only)	1 (Class 1 ~ 15)
20-07-12	Trunk port disable	1 (Class 1 ~ 15)
20-08-08	Dial Block	1 (Class 1 ~ 15)
20-09-04	Notification for Incoming Call List existence	0 (Class 1 ~ 15)
20-11-12	External Call Forward (Off-Premise)	1 (Class 1 ~ 15)
20-13-01	Long conversation alarm	0 (Class 1 ~ 15)
20-13-15	Break-In	0 (Class 1 ~ 15)
20-13-16	Broken-in	0 (Class 1 ~ 15)
20-13-20	Account Code/Toll Restriction Operator Alert	0 (Class 1 ~ 15)
20-13-26	Group listening service	1 (Class 1 ~ 15)
20-13-31	Connected Line identification (COLP)	1 (Class 1 ~ 15)
21-01-06	Dial pause at first digit	1
21-08-01	Time of Repeat Dial	5
21-08-02	Interval of Repeat Dial	15
21-08-03	Repeat Dial Calling Timer	10
24-02-01	Transfer to busy extension	1
24-02-03	No answer time for call forward	30
25-07-07	DISA Conversation Warning Tone Time	0
25-07-08	DISA Conversation Disconnect Timer	0
40-10-01	VRS Fixed Message	0
14-01-06	SMDR print-out	1 (All Trunk)
14-01-13	Trunk to Trunk transfer	1 (All Trunk)
14-02-09	Busy Tone Detection	1 (All Trunk)
11-12-16	Trunk access via Networking	715

Program No.	Name	Default
11-12-29	Direct extension call pickup	866
20-17-01	Operator's Extension number	101 (Operator 1 = 101)
30-02-01	DSS Console Extension Assignment	101 (DSS Console No.1 = 101)
10-02-01	Country Code	56
15-02-01	Display Language Selection	12
40-07-01	Voice Prompt Language Assignment for System based	7
47-02-16	Voice Prompt Language	7
47-06-14	Voice Prompt Language	7
47-07-03	Prompt Language	7
47-10-03	Voice Prompt Language	7

Taiwan

Program No.	Name	Default	Note
15-01-01	Extension Name	- (Delete all station name)	
20-02-12	Forced Intercom Ringing	1	
21-04-01	Toll Restriction Class for Extensions	1 (Class 1, EXT 200 ~ 295, mode 1 ~ 4)	
21-05-07	Permit code table	Class 1 set 1 Class 2 set 2 Class 3 set 3 Class 4 set 4	
21-05-08	Restriction table	Class 1 set 1 Class 2 set 2 Class 3 set 3 Class 4 set 4	
21-06-06	Permit code table	PmitTBL 1 = None PmitTBL 2 = None PmitTBL 3 = 080, 081 PmitTBL 4 = 110, 119	
21-06-07	Restriction table	TollRes 1 = 0204 TollRes 2 = 00, 01, 0204, 100, 108 TollRes 3 = 0, 100, 18, 108 TollRes 4 = @	
31-02-01	Internal Paging Group Assignment	1 (All stations)	
31-02-02	Internal Paging Group Assignment	1 (All stations)	
14-02-10	Caller ID	1 (Trunks 1 ~ 27)	
14-02-16	Caller ID signal	1 (Trunks 1 ~ 27)	
22-04-01	Incoming Extension Ring Group Assignment	Set to 101-108 (IRG1)	
11-09-01	Trunk Access Code	0	
11-01-01	System Numbering	0 for Type 3 Trunk access code 9 for Type 5 operator	
10-20-01	LAN Setup for External Equipment (SMDR)	DEVICE 5 set to 1	
35-01-01	SMDR-Output Port Type	1 (Port 1 only)	
35-01-04	SMDR-Omit Digits	0 (Port 1 only)	
35-02-09	SMDR-Extension Number or Name	1 (Port 1 only)	
35-02-14	SMDR-Date	1 (Port 1 only)	
20-02-07	Time and Date Display Mode	5	
15-03-03	Terminal Type	1 (All stations)	
21-01-06	Dial pause at first digit	1	
20-13-01	Long Conversation Alarm	0 (Class 1 only)	
20-13-22	Called Party Status	1 (Class 1 only)	
20-09-04	Notification for Incoming Call List existence	0 (Class 1 only)	
14-02-18	Busy tone detection on talking	1 (Trunks 1 ~ 27)	
14-02-19	Busy tone detection frequency	3 (Trunks 1 ~ 27)	
14-02-20	Busy tone detection interval	10 (Trunks 1 ~ 27)	

Program

90

Program No.	Name	Default	Note
80-04-06	ON Minimum RCV2 time	7	
80-04-08	OFF Minimum RCV2 time	7	
14-02-09	Busy tone detection	1	
80-04-12	TONE RCV 2 frequency 1	1 (Table 1)	
80-04-13	TONE RCV 2 frequency 2	2 (Table 2)	
80-07-01	Call progress TONE detector frequency	TABLE 1 set to 48 TABLE 2 set to 62	
14-02-04	Flash For Timed Flash or Disconnect	0 (Trunks 1 ~ 27)	
81-01-14	Flash (Hooking 1)	20	
81-01-15	Flash (Hooking 2)	30	
20-19-02	Caller ID Wait Timer	2	
20-07-01	Manual Night Service Enabled	1 (Class 1 only)	
25-03-01	DID/DISA Transfer Ring Group With Incorrect Dialing	1 (Trunks 1 ~ 27 Mode 1)	
25-04-01	DID/DISA Transfer Ring Group With No Answer/Busy	1 (Trunks 1 ~ 27 Mode 1)	
25-07-02	DID/DISA No Answer Time	16	
25-07-11	DID/DISA Answer Delay Timer	3	
32-02-01	Door Box Ring Assignment	Set to EXT.101-108; DOOR 1; Mode 1-2	
40-07-01	Voice Prompt Language Assignment for Voice Mail	9	
81-07-01	CODEC Filter Setup for Analog Trunk Ports	0 (Trunks 1 ~ 27)	
25-07-03	Disconnect after DID/DISA re-transfer to IRG	180	
20-02-11	Default Setting of Microphone of Key Telephone	0	
24-02-03	Delayed Call Forwarding Time	16	
14-02-02	Ring Detect Type This option to sets Extended Ring Detect or Immediate Ring Detect for the trunk	1 (Trunks 1 ~ 27)	
20-07-11	Forced Trunk Disconnect (analog trunk only) Enables/disables an extension's ability to use Forced Trunk Disconnect	1 (Class 1 only)	
20-03-04	Trunk Call Dial Sending Time by SLT	1	
25-02-01	DID/DISA Talkie to assign the VRS message number	Trunks 1 ~ 27 Talkie = 1 Mode 1 data = 1 (Day Mode) Mode 2 data = 2 (Night Mode)	
25-05-01	VRS/DISA Error Message Assignment	4 (Trunks 1 ~ 27 Mode 1, 2)	
40-10-08	Call Attendant Message - when Busy	8	
40-10-09	Call Attendant Message - when No Answer	9	
25-06-02	DID/DISA One-Digit Code Attendant Setup	MSG (1, 2, 4, 8, 9) Recv. 9 data=101	
14-01-13	Loop Disconnect Supervision	1 (Trunks 1 ~ 27)	
21-03-01	Trunk Group Routing for Trunks	1 (Trunks 1 ~ 27 Mode 1, 2)	
20-11-12	Call Forwarding Off-Premise	1 (Class 1 only)	
25-07-07	DISA Conversation Warning Tone Time	0	
12-02-01	Automatic night service Patterns	01 ~ 02 set to 08 : 30 Mode Group 1 only	
12-02-01	Automatic night service Patterns	01 ~ 01 set to 08 : 30 Mode Group 1 only	
12-02-01	Automatic night service Patterns	01 ~ 03 set to 17 : 30 Mode Group 1 only	
12-02-01	Automatic night service Patterns	01 ~ 02 set to 17 : 30 Mode Group 1 only	
10-02-01	Country Code	886	
80-01-01	Repeat count	6	

Korea

Program No.	Name	Default	Note
10-02-01	Country Code	82	
11-01-01	Dial * Digit	1	
11-09-02	2nd TRK Access	6	
11-10-20	Ope VRS Msg	#716	
11-12-27	Call Pickup	*	

Program No.	Name	Default	Note
12-02-01	Automatic night service Patterns (Start of time)	ModeGrp 1-4, Time Pattern 01, Set Time 01 = 00:00 ModeGrp 1-4, Time Pattern 01, Set Time 02 = 09:00 ModeGrp 1-4, Time Pattern 01, Set Time 03 = 18:00	
12-02-02	Automatic night service Patterns (End of time)	ModeGrp 1-4, Time Pattern 01, Set Time 01 = 09:00 ModeGrp 1-4, Time Pattern 01, Set Time 02 = 18:00 ModeGrp 1-4, Time Pattern 01, Set Time 03 = 00:00	
12-02-03	Automatic night service Patterns (Mode No.)	ModeGrp 1-4, Time Pattern 01, Set Time 01 = Mode3 ModeGrp 1-4, Time Pattern 01, Set Time 02 = Mode1 ModeGrp 1-4, Time Pattern 01, Set Time 03 = Mode2	
12-03-01	Night mode week setting	sun = Pttrn 3, sat = Pttrn 2 Mode Group 1-4	
14-01-13	TRK-TRK Transfer	1	
14-02-04	Flash for timed Flash or Disconnect	0	
14-02-05	DTD-Manual DI	0	
14-02-09	Busy Tone Detection	1	
14-02-10	Caller ID	1	
14-02-18	Busy Tone Detection Talking	1	
15-01-01	Extension Name	-	
15-03-09	Extension Display	1	
15-03-15	Hook disconnect mode	1	
16-01-03	Auto Step Call	1	
16-01-04	Hunting Mode	1	
16-01-08	Max Queue No	32	
20-02-04	Transfer Retrieve	1	
20-02-11	Microphone of Key telephone	0	
20-02-12	ICM Call Type	1	
20-03-03	SLT DTMF Dial	0	
20-03-04	Dial Start	1	
20-03-07	Forced Dial	0	
20-07-01	Manual night Service Enabled	1	
20-08-09	Hotline	1	
20-08-20	Hot key Pad	1	
20-13-01	Long Conversation Alarm	0	
20-13-22	Call Party Status	1	
20-17-01	Attendant	101	
20-19-02	Caller ID wait timer	0	
21-01-06	1st Digit P	1	
21-01-09	Hotline Start	3	
21-04-01	T/R Class for Extension	1	
21-05-07	Permit code table	Class 1 set 1 Class 2 set 2 Class 3 set 3 Class 4 set 4	
21-06-06	Permit code table	PmitTBL 1 = None PmitTBL 2 = 119, 112, 113, 080	
21-05-08	Restriction Table	Class 1 set 1 Class 2 set 2 Class 3 set 3 Class 4 set 4	
21-15-01	2nd TRK Ace Route TBL	2	
22-01-11	Msg Interval	10	
22-14-01	Message1 Start Time	1	
22-14-03	MSG1 Count	1	
22-14-05	MSG2 Count	1	
22-14-07	Disconnect Time	1	
22-15-01	Message1 Start Time	1	
22-15-03	MSG1 Count	1	
22-15-05	MSG2 Count	1	
22-15-07	Disconnect Time	1	
24-02-03	CFW not answer Time	15	
24-02-04	TRF Recall time	15	
25-01-02	without Password	0	
25-07-01	VRS Dial Time	5	

Program No.	Name	Default	Note
25-07-02	DISA No Answer Time	60	
25-07-03	DISA Disconnect Retransfer to IRG	30	
31-02-01	Internal Paging Group	1	
31-02-02	Internal all Paging Group	1	
32-01-02	Door Box Lock Cancel	1	
35-01-04	SMDR-Omit Digits	0	
35-02-09	SMDR-Extension Number or Name	1	
35-02-14	SMDR-Date	1	
80-04-06	ON Minimum RCV2 Time	7	
80-04-08	OFF Minimum RCV2 Time	7	
80-04-12	TONE RCV 2 Frequency 1	2	
80-04-13	TONE RCV 2 Frequency 2	3	
80-06-01	Impedance set	0	
80-07-01	Busy Tone Frequency	table 2 ~ 48, table 3 ~ 62	
81-01-09	Signal Stop Dtct	80	
81-01-14	Flash (Hooking 1)	20	
81-01-15	Flash (Hooking 2)	30	
81-07-01	CODEC Filter Setup for analog Trunk Ports	0 (Trunks 1 ~ 27)	
82-04-04	Max. Break TM	14	
82-04-07	Min. Flash TM	17	
82-04-08	Max. Flash TM	120	

Hong Kong

Program No.	Name	Default
14-01-13	Loop Disconnect Supervision	1 (Trunks 1 ~ 27)
14-02-02	Ring Detect Type	1 (Trunks 1 ~ 27)
14-02-04	Flash for Timed Flash or Disconnect	0 (Trunks 1 ~ 27)
14-02-09	Busy Tone Detection	1 (Trunks 1 ~ 27)
14-02-10	Caller-ID	1 (Trunks 1 ~ 27)
14-02-18	Busy Tone Detection on Talking	1 (Trunks 1 ~ 27)
14-02-19	Busy Tone Detention Frequency	3 (Trunks 1 ~ 27)
14-02-20	Busy Tone Detention Interval	10 (Trunks 1 ~ 27)
20-02-12	Forced Intercom Ringing	1
20-03-03	SLT DTMF Dial	1
20-03-04	Trunk Call Dial Sending Time by SLT	1
20-07-01	Manual Night Service Enabled	1 (Class 1 only)
20-13-01	Long Conversation Alarm	0 (Class 1 only)
20-13-22	Called Party Status	1 (Class 1 only)
20-17-01	Operator Extension Number	101
20-19-02	Caller ID Wait Timer	0
21-01-06	Dial pause at first digit of dialing	1
22-01-11	VRS Waiting Message Interval Time	10
24-02-03	Delayed Call Forwarding Time	15
31-02-01	Internal Paging Group Number	1 (All stations)
31-02-02	Internal All Call Paging Receiving	1 (All stations)
32-01-02	Door Lock Cancel Time	2
80-01-02	Tone 14 Intercom Ring-Back Tone (Unit1Basic TN)	10
80-01-02	Tone 39 Special Audible Ring-Busy Tone (Unit1Basic TN)	10
80-01-02	Tone 39 Special Audible Ring-Busy Tone (Unit2Basic TN)	0
80-01-03	Tone 39 Special Audible Ring-Busy Tone (Unit1Duration)	10
80-01-03	Tone 39 Special Audible Ring-Busy Tone (Unit2Duration)	20
80-04-12	TONE RCV2 (Frequency 1)	2
80-04-13	TONE RCV2 (Frequency 2)	3

Program No.	Name	Default
80-07-01	Table 2 (Frequency)	48
80-07-01	Table 3 (Frequency)	62
81-01-14	Flash (Hooking 1)	25
81-07-01	CODEC Filter Type for analog trunk port	0 (Trunks 1 ~ 27)
10-02-01	Country Code	852

Brazil

Program No.	Name	Default	Note
10-20-01	TCP Port SMDR Ex - Dev 5	60000	
11-01-01	System Numbering - ACC Operator	Dial = 9 (1 = Digit) Type (5 = Opr)	
11-01-01	System Numbering - ACC Trunk	Dial = 0 (1 = Digit) Type (3 = Trunk)	
11-09-01	Trunk Access Code for Type 3	0	
12-02-01	Automatic Night Service Pattern (Time Pattern 1)	Set Time 02 = S 0800, E 1200, M1 ModeGrp 1	
12-02-01	Automatic Night Service Pattern (Time Pattern 1)	Set Time 03 = S 1200, E 1300, M3 ModeGrp 1	
12-02-01	Automatic Night Service Pattern (Time Pattern 1)	Set Time 04 = S 1300, E 1700, M1 ModeGrp 1	
12-02-01	Automatic Night Service Pattern (Time Pattern 1)	Set Time 05 = S 1700, E 0000, M2 ModeGrp 1	
12-02-01	Automatic Night Service Pattern (Time Pattern 2)	Set Time 01 = S 0000, E 0800, M2 ModeGrp 1	
12-02-01	Automatic Night Service Pattern (Time Pattern 2)	Set Time 02 = S 0800, E 1200, M1 ModeGrp 1	
12-02-01	Automatic Night Service Pattern (Time Pattern 2)	Set Time 03 = S 1200, E 1300, M3 ModeGrp 1	
12-02-01	Automatic Night Service Pattern (Time Pattern 2)	Set Time 04 = S 1300, E 1600, M1 ModeGrp 1	
12-02-01	Automatic Night Service Pattern (Time Pattern 2)	Set Time 05 = S 1600, E 0000, M2 ModeGrp 1	
12-02-01	Automatic Night Service Pattern (Time Pattern 3)	Set Time 01 = S 0000, E 0000, M2 ModeGrp 1	
12-03-01	Weekly Night Service Switching	01 = Sunday, 3 ModeGrp 1	
12-07-01	Text Data for Night Mode		
	Day / Night Mode 1	Dia (Mode Grp 1)	
	Day / Night Mode 2	Noite (Mode Grp 1)	
	Day / Night Mode 3	Almoço (Mode Grp 1)	
	Day / Night Mode 4	- (Mode Grp 1)	
	Day / Night Mode 5	- (Mode Grp 1)	
	Day / Night Mode 6	- (Mode Grp 1)	
	Day / Night Mode 7	- (Mode Grp 1)	
	Day / Night Mode 8	- (Mode Grp 1)	
14-01-01	Trunk Name	Linha 01 ~ 51	
14-01-13	Loop Disconnect Supervision	1 (All Trunk)	
14-01-14	Long Conversation Cut Off	1 (All Trunk)	
14-01-15	Long Conversation Alarm before Cut Off	1 (All Trunk)	
14-01-17	Trunk to Trunk Warning Tone For Long Conversation Alarm	1 (All Trunk)	
14-01-18	Warning Beep Tone Signaling	1 (All Trunk)	
14-02-04	Flash for Timed Flash or Disconnect	1 (All Trunk)	
14-02-09	Busy Tone Detection	1 (All Trunk)	
14-02-12	Detect Network Disconnect Signal	1 (All Trunk)	

Program

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Program No.	Name	Default	Note
14-02-16	Caller ID signal	1 (All Trunk)	
15-01-01	Extension Name	101:101 ~ 220:220	
15-02-12	Off Hook Signaling Type	4 (All stations)	
15-02-33	Multi Language Calendar Display on LCD	1 (All stations)	
15-02-34	Call Register Mode	1 (All stations)	
15-03-11	Caller ID Type	1 (All stations)	
15-03-12	Fixed Cadence	0 (All stations)	
15-07-01	Programmable Function Key	Key 21 : 00 Key 22 : 00 (All stations)	
20-01-01	Operator Access Mode	1	
20-02-07	Time and Date Display Mode	5	
20-02-09	Disconnect Supervision	1	
20-02-11	Default Setting Microphone of KTS	0	
20-02-12	Forced Intercom Ringing	1	
20-07-01	Manual Night Service Enabled	1 (Class 1 Only)	
20-07-11	Forced Trunk Disconnect	1 (Class 01 ~ 15)	
20-13-01	Long Conversation Alarm	0 (Class 01 ~ 15)	
20-15-01	Normal Incoming Call of Trunk	11	
20-15-03	Internal Incoming Call	10	
20-15-05	DID	11	
20-15-09	Call Back	10	
20-16-01	Selectable Display Message		
	Message Number 1	REUNIÃO_ ## : ##	
	Message Number 2	SERVIÇO_EXTERNO	
	Message Number 3	RETORNA_ ## : ##	
	Message Number 4	LIGAR_ #####	
	Message Number 5	LIGAR_ APÓS_ ## : ##	
	Message Number 6	ALMOÇO	
	Message Number 7	VIAGEM_ ATÉ ## / ##	
	Message Number 8	FÉRIAS_ ATÉ ## / ##	
	Message Number 9	FORA DE SERVIÇO	
	Message Number 10	AUSENTE_ ATÉ ## / ##	
20-31-02	Callback / Trunk queuing cancel time	7200 (Class 01 ~ 15)	
22-09-01	Expected Number of Digits	2 (TRK G.10 only)	
24-02-01	Busy Transfer	1	
25-01-02	DISA User ID	0 (All Trunk)	
26-01-04	LCR Mode Option	1	
26-02-01	Dial Data		
	Dial Analysis Table number 151	00@@@@@@@@@@	
	Dial Analysis Table number 152	01@@@@@@@@@@	
	Dial Analysis Table number 153	02@@@@@@@@@@	
	Dial Analysis Table number 154	03@@@@@@@@@@	
	Dial Analysis Table number 155	04@@@@@@@@@@	
	Dial Analysis Table number 156	05@@@@@@@@@@	
	Dial Analysis Table number 157	06@@@@@@@@@@	
	Dial Analysis Table number 158	07@@@@@@@@@@	
	Dial Analysis Table number 159	080@@@@@@@@	
	Dial Analysis Table number 160	081@@@@@@@@	
	Dial Analysis Table number 161	082@@@@@@@@	
	Dial Analysis Table number 162	083@@@@@@@@	
	Dial Analysis Table number 163	084@@@@@@@@	
	Dial Analysis Table number 164	085@@@@@@@@	
	Dial Analysis Table number 165	086@@@@@@@@	
	Dial Analysis Table number 166	087@@@@@@@@	
	Dial Analysis Table number 167	088@@@@@@@@	
	Dial Analysis Table number 168	089@@@@@@@@	
	Dial Analysis Table number 169	090@@@@@@@@	
	Dial Analysis Table number 170	091@@@@@@@@	

Program No.	Name	Default	Note
	Dial Analysis Table number 171	092@@@@@@@@	
	Dial Analysis Table number 172	093@@@@@@@@	
	Dial Analysis Table number 173	094@@@@@@@@	
	Dial Analysis Table number 174	095@@@@@@@@	
	Dial Analysis Table number 175	096@@@@@@@@	
	Dial Analysis Table number 176	097@@@@@@@@	
	Dial Analysis Table number 177	098@@@@@@@@	
	Dial Analysis Table number 178	099@@@@@@@@	
	Dial Analysis Table number 179	1@@	
	Dial Analysis Table number 180	2@@@@@@	
	Dial Analysis Table number 181	3@@@@@@	
	Dial Analysis Table number 182	4@@@@@@	
	Dial Analysis Table number 183	5@@@@@@	
	Dial Analysis Table number 184	6@@@@@@	
	Dial Analysis Table number 185	7@@@@@@	
	Dial Analysis Table number 186	8@@@@@@	
	Dial Analysis Table number 187	90@@@@@@@@	
	Dial Analysis Table number 188	91@@@@@@	
	Dial Analysis Table number 189	92@@@@@@	
	Dial Analysis Table number 190	93@@@@@@	
	Dial Analysis Table number 191	94@@@@@@	
	Dial Analysis Table number 192	95@@@@@@	
	Dial Analysis Table number 193	96@@@@@@	
	Dial Analysis Table number 194	97@@@@@@	
	Dial Analysis Table number 195	98@@@@@@	
	Dial Analysis Table number 196	99@@@@@@	
26-02-02	Service Type		
	Dial Analysis Table number 151	1	
	Dial Analysis Table number 152	1	
	Dial Analysis Table number 153	1	
	Dial Analysis Table number 154	1	
	Dial Analysis Table number 155	1	
	Dial Analysis Table number 156	1	
	Dial Analysis Table number 157	1	
	Dial Analysis Table number 158	1	
	Dial Analysis Table number 159	1	
	Dial Analysis Table number 160	1	
	Dial Analysis Table number 161	1	
	Dial Analysis Table number 162	1	
	Dial Analysis Table number 163	1	
	Dial Analysis Table number 164	1	
	Dial Analysis Table number 165	1	
	Dial Analysis Table number 166	1	
	Dial Analysis Table number 167	1	
	Dial Analysis Table number 168	1	
	Dial Analysis Table number 169	1	
	Dial Analysis Table number 170	1	
	Dial Analysis Table number 171	1	
	Dial Analysis Table number 172	1	
	Dial Analysis Table number 173	1	
	Dial Analysis Table number 174	1	
	Dial Analysis Table number 175	1	
	Dial Analysis Table number 176	1	
	Dial Analysis Table number 177	1	
	Dial Analysis Table number 178	1	
	Dial Analysis Table number 179	1	
	Dial Analysis Table number 180	1	
	Dial Analysis Table number 181	1	
	Dial Analysis Table number 182	1	
	Dial Analysis Table number 183	1	
	Dial Analysis Table number 184	1	
	Dial Analysis Table number 185	1	
	Dial Analysis Table number 186	1	
	Dial Analysis Table number 187	1	
	Dial Analysis Table number 188	1	
	Dial Analysis Table number 189	1	
	Dial Analysis Table number 190	1	
	Dial Analysis Table number 191	1	
	Dial Analysis Table number 192	1	

Program

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Program No.	Name	Default	Note
	Dial Analysis Table number 193	1	
	Dial Analysis Table number 194	1	
	Dial Analysis Table number 195	1	
	Dial Analysis Table number 196	1	
26-02-03	Additional Data		
	Dial Analysis Table number 151	10	
	Dial Analysis Table number 152	10	
	Dial Analysis Table number 153	10	
	Dial Analysis Table number 154	10	
	Dial Analysis Table number 155	10	
	Dial Analysis Table number 156	10	
	Dial Analysis Table number 157	10	
	Dial Analysis Table number 158	10	
	Dial Analysis Table number 159	10	
	Dial Analysis Table number 160	10	
	Dial Analysis Table number 161	10	
	Dial Analysis Table number 162	10	
	Dial Analysis Table number 163	10	
	Dial Analysis Table number 164	10	
	Dial Analysis Table number 165	10	
	Dial Analysis Table number 166	10	
	Dial Analysis Table number 167	10	
	Dial Analysis Table number 168	10	
	Dial Analysis Table number 169	10	
	Dial Analysis Table number 170	10	
	Dial Analysis Table number 171	10	
	Dial Analysis Table number 172	10	
	Dial Analysis Table number 173	10	
	Dial Analysis Table number 174	10	
	Dial Analysis Table number 175	10	
	Dial Analysis Table number 176	10	
	Dial Analysis Table number 177	10	
	Dial Analysis Table number 178	10	
	Dial Analysis Table number 179	10	
	Dial Analysis Table number 180	10	
	Dial Analysis Table number 181	10	
	Dial Analysis Table number 182	10	
	Dial Analysis Table number 183	10	
	Dial Analysis Table number 184	10	
	Dial Analysis Table number 185	10	
	Dial Analysis Table number 186	10	
	Dial Analysis Table number 187	10	
	Dial Analysis Table number 188	10	
	Dial Analysis Table number 189	10	
	Dial Analysis Table number 190	10	
	Dial Analysis Table number 191	10	
	Dial Analysis Table number 192	10	
	Dial Analysis Table number 193	10	
	Dial Analysis Table number 194	10	
	Dial Analysis Table number 195	10	
	Dial Analysis Table number 196	10	
26-02-06	LCR Carrier Table		
	Dial Analysis Table number 151	1	
	Dial Analysis Table number 152	2	
	Dial Analysis Table number 153	2	
	Dial Analysis Table number 154	2	
	Dial Analysis Table number 155	2	
	Dial Analysis Table number 156	2	
	Dial Analysis Table number 157	2	
	Dial Analysis Table number 158	2	
	Dial Analysis Table number 160	2	
	Dial Analysis Table number 161	2	
	Dial Analysis Table number 162	2	
	Dial Analysis Table number 163	2	
	Dial Analysis Table number 164	2	
	Dial Analysis Table number 165	2	
	Dial Analysis Table number 166	2	
	Dial Analysis Table number 167	2	
	Dial Analysis Table number 168	2	

Program No.	Name	Default	Note
	Dial Analysis Table number 170	2	
	Dial Analysis Table number 171	2	
	Dial Analysis Table number 172	2	
	Dial Analysis Table number 173	2	
	Dial Analysis Table number 174	2	
	Dial Analysis Table number 175	2	
	Dial Analysis Table number 176	2	
	Dial Analysis Table number 177	2	
	Dial Analysis Table number 178	2	
26-05-01	Delete Digits		
	Carrie LCR Tabela 1	4	
	Carrie LCR Tabela 2	3	
34-01-05	System Toll Restriction	1 (All Trunk)	
34-11-01	E1 Trunk Type	8 (TRK 04 ~ 126)	
34-11-02	MFC Dialing Type	3 (TRK 04 ~ 126)	
34-11-03	MFC Group B	1 (TRK 04 ~ 126)	
34-11-04	Expected Number Of MFC Digits	3 (TRK 04 ~ 126)	
35-01-01	Output Port Type	1 (Port 1 only)	
35-01-04	Omit Digits	0 (Port 1 only)	
35-02-09	Extension Number or Name	1 (Port 1 only)	
35-02-14	Date data	1 (Port 1 only)	
35-02-16	Trunk Name or Received Dialed Number	2 (Port 1 only)	
40-07-01	Voice Prompt Language Assignment	9	
40-08-01	Voice Prompt Language Assignment	9	
80-04-04	No Tone Time Type 2 BT	7	
80-04-06	On Minimum Time Type 2 BT	6	
80-04-07	On Maximum Time Type 2 BT	8	
80-04-08	Off Minimum Time Type 2 BT	6	
80-04-09	Off Maximum Time Type 2 BY	8	
80-07-01	Frequency Table 1	42	
80-08-01	Duration	200	
82-04-04	Maximum Break Time	14	
82-04-06	Maximum Make Time	14	
82-04-07	Minimum Hook Flash Time	16	
82-04-08	Maximum Hook Flash Time	70	
10-02-01	Country Code	55	
15-02-01	Display Language Selection	1	
47-02-16	Voice Prompt Language	13	
47-06-14	Voice Prompt Language	13	
47-07-03	Prompt Language	13	
47-10-03	Voice Prompt Language	13	

Program

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Brazil - PRG80-01 Service Tone Setup -

Service Tone Setup	Unit	80-01-01	80-01-02	80-01-03	80-01-04
Internal Dial Tone TONE 2	1	0	0	1	32
	2	-	1	10	32
Special Dial Tone TONE 3	1	0	0	1	32
	2	-	1	1	32
Busy Tone TONE 6	1	0	0	2	32
	2	-	1	2	32
Ring Back Tone TONE 14	1	0	0	40	32
	2	-	1	10	32
External Ring Back Tone TONE 45	1	0	0	40	32
	2	-	1	10	32
	3	-	-	-	-
	4	-	-	-	-
External Busy Tone TONE 46	1	0	0	2	32
	2	0	1	2	32

Malaysia

Program No.	Name	Default
10-02-01	Country Code	60

Thailand

Program No.	Name	Default
10-02-01	Country Code	66

India

Program No.	Name	Default
10-02-01	Country Code	91

Conditions

None

Feature Cross Reference

None

Program 90 : Maintenance Program

90-34 : Firmware Information

Level
IN

Description

Use **Program 90-34 : Firmware Information** to list the package type and firmware units installed in the system.

Input Data

Slot Number	00 ~ 09
-------------	---------

Item No.	Item	Display Data
01	Package Name	PKG Name
02	Firmware Version Number	00.00 ~ 15.15
03	VOIPDB Software Version	DEV/PR/REL - 00.00.00.00.00.00 DEV/PR/REL - FF.FF.FF.FF.FF.FF
04	DSP Project Number	00000000 - FFFFFFFF
05	Vocallo Firmware Version	00.00.00.00 - FF.FF.FF.FF
06	OCT1010ID Version	00.00.00.00 - FF.FF.FF.FF

Conditions

None

Feature Cross Reference

None

Program

90

Program 90 : Maintenance Program

90-35 : Wizard Programming Level Setup

Level
IN

Program

90

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 90-35 : Wizard Programming Level Setup** to set the maintenance level for Wizard Programming.

Input Data

Wizard Number		1 ~ 250	
Item No.	Item	Display Data	Default
01	Maintenance Level	0 = All 3 = SB (System Administrator B) 4 = SA (System Administrator A) 5 = IN (Installer Level) 6 = MF (Manufacture Level)	0

Conditions

None

Feature Cross Reference

None

Program 90 : Maintenance Program

90-36 : Firmware Update Time Setting

Level
IN

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 90-36 : Firmware Update Time Setting** to define the data for the firmware update feature. This data is available to set from the PC Programming FW update feature.

The following firmware is available to update with this feature:

- main.bin
- Dspdbu.bin
- dsp.bin
- intradbu.bin is not supported

Input Data

Item No.	Item	Input Data	Default	Description
01	Firmware Update Schedule Time	Year : 0 ~ 99	0	Set the time to update the firmware using a compact flash card. Time registration fails if an expired time is registered.
		Month : 0 ~ 12	0	
		Day : 00 ~ 31	0	
		Hour : 00 ~ 23	0	
		Minute : 00 ~ 59	0	
02	Update mode	0 = Non Active 1 = Activated	0	Activate the Firmware Update feature. If this setting is 1, new firmware on the compact flash card updates according to the setting at 90-36-01.
03	Update Report	Maximum 256 characters	-	Output a report when the update is executed and saves one copy on the system. If a new update occurs, the new report overwrites the old report. Refer to the Sample Report shown.

Sample Report

Result	Report Display
Update Success	Update Success
Update Fail	Update is fail. Since 'A' drive is not available.
Update Fail	Update is fail. Since main up is not exist on A drive.
Update Fail	Update is fail. Since Time is expired.

Conditions

None

Feature Cross Reference

None

Program

90

Program 90 : Maintenance Program

90-38 : User Programming Data Level Setup

Level
IN

Program

90

Description

Use **Program 90-38 : User Programming Data Level Setup** sets system data to turn on/off each User Programming Feature.

Input Data

Item No.	Item	Program (Reference Only)	Input Data	Default
01	Time setting	10-01 (11-10-03)	0 = Turn Off 1 = Turn On	1 = Turn On
02	Change of music on hold tone	10-04 (11-10-02)		1 = Turn On
03	Automatic Night Service Pattern	12-02		1 = Turn On
04	Weekly Night Service Switching	12-03		1 = Turn On
05	Text Data for Night Mode	12-07		1 = Turn On
06	Holiday Night Service Switching	12-04		1 = Turn On
07	DISA User ID Setup	25-08		1 = Turn On
08	Mail Box Setup	40-02		1 = Turn On
09	Text Messages Setup	20-16		1 = Turn On
10	Incoming Ring Group Setup	22-04		1 = Turn On
11	Abbreviated Dial Number and Name	11-10-04 13-04		1 = Turn On
12	Night-mode switching Other Group	11-10-12		1 = Turn On
13	DSS Key Assignment	30-03		1 = Turn On
14	Doorphone Ringing Assignment	32-02		1 = Turn On
15	Extension Numbering	11-02		1 = Turn On
16	Extension Name	15-01-01		1 = Turn On
17	Night-mode switching Own Group	11-10-01		1 = Turn On
18	Call Forward-Immediate/No Answer /Both Ring	11-11-01 11-11-03 11-11-05		1 = Turn On
19	Call Forward-Busy	11-11-02		1 = Turn On
20	Trunk Incoming Ring Tone	11-11-20 15-02-02		1 = Turn On
21	Internal Incoming Ring Tone	11-11-20 15-02-03		1 = Turn On
22	Display Language Selection	15-02-01		1 = Turn On
23	Toll Restriction Override Password	21-07		1 = Turn On
24	User Programming Password	90-28		1 = Turn On
25	Programmable Function Key	15-07		1 = Turn On
26	Virtual Extension Ring Assignment	15-09		1 = Turn On
27	One Touch Key Assignment	15-14		1 = Turn On
28	Trunk Name	14-01-01		1 = Turn On
29	Automatic Transfer per Trunk	11-10-06 11-10-07		1 = Turn On
30	SPD Area No.	11-10-08 24-04		1 = Turn On
31	Telephone Data Copy	92-01		1 = Turn On
32	Dial in Name	22-11-03		1 = Turn On
33	LCD Line Key Name Assignment	15-20		1 = Turn On
34	IntraMail Station Mailbox Options	47-02		1 = Turn On

Conditions

None

Feature Cross Reference

- Maintenance

Program 90 : Maintenance Program

90-39 : Virtual Loop Back Port Reset

Level
IN

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 90-39 : Virtual Loop Back Port Reset** to reset to initial status.

Input Data

Item No.	Item	Input Data	Default
01	Virtual Loop Back Reset	[Reset?] : Dial 1 + press Hold (Press Hold only to cancel.)	-

Conditions

None

Feature Cross Reference

- PC Programming

Program

90

Program 90 : Maintenance Program

90-41 : Server Setting to Update Terminal Local Data

Level

IN

Program

90

Description

Use **Program 90-41 : Server Setting to Update Terminal Local Data** to define the Primary DNS Server address, the Secondary DNS Server address and the Data Roaming Server address.

Input Data

Server Information		1 ~ 13	
Item No.	Item	Input Data	Default
01	Server Address Type	0 = IPv4 1 = IPv6	0
02	Server Address	IPv4 form (xxx.xxx.xxx.xxx) IPv6 form (xxxx : xxxx : xxxx : xxxx : xxxx)	None
03	Port Number	0 ~ 65535	0

Conditions

None

Feature Cross Reference

None

Program 90 : Maintenance Program

90-42 : DR700 Multiline Terminal Version Information

Level
IN

Description

Use **Program 90-42 : DR700 Multiline Terminal Version Information** to set the hardware version and firmware version of the DR700 MLT Terminal.

Input Data

Terminal Type	1 ~ 3 = Not used 4 = IP4WW-24TIXH
---------------	--------------------------------------

Item No.	Item	Input Data	Default
01	Software Version	00.00.00.00 ~ FF.FF.FF.FF	00.00.00.00
02	Hardware Version	00.00.00.00 ~ FF.FF.FF.FF	00.00.00.00

Conditions

None

Feature Cross Reference

None

Program

90

Program 90 : Maintenance Program

90-43 : Deleting Terminal License of DR700

Level
IN

Program

90

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 90-43 : Deleting Terminal License of DR700** to delete the terminal license information delivered to the DR700 terminal.

Input Data

Extension Number		Up to eight digits	
Item No.	Item	Input Data	Default
01	Delete Terminal License	[Delete?] : Dial 1 + press Hold (Press Hold only to cancel.)	-

Conditions

None

Feature Cross Reference

None

Program 90 : Maintenance Program

90-44 : Deleting Terminal License of TCP Interface

Level
IN

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 90-44 : Deleting Terminal License of TCP Interface** to delete the terminal license information delivered to the terminal with a TCP interface.

Input Data

License Delete Code	000-000-000 ~ 999-999-999
---------------------	---------------------------------

Item No.	Item	Input Data	Default
01	Delete Terminal License	[Delete?] : Dial 1 + press Hold (Press Hold only to cancel.)	-

Conditions

None

Feature Cross Reference

None

Program

90

Program 90 : Maintenance Program

90-45 : Temporary Password Change for Multiline Telephone

Level
IN

Program

90

Description

Note: This program is available via telephone programming and WebPro not through PC Programming.

Use **Program 90-45 : Temporary Password Change for Multiline Telephone** to change the Temporary Password that is set in the Encryption function.

Input Data

Item No.	Item	Input Data	Default
01	Temporary Password Change Request	00.00.00.00 ~ FF.FF.FF.FF Change? (Yes = 1)	00.00.00.00

Conditions

- This Program is activated when the Program 10-46-07 set to "1".

Feature Cross Reference

None

Program 90 : Maintenance Program

90-50 : System Alarm Display Setup

Level
IN

Description

Use **Program 90-50 : System Alarm Display Setup** to set the system alarm report display.

Input Data

Index Number	01 ~ 50
--------------	---------

Item No.	Item	Input Data	Default
01	System Alarm Display Telephone	Up to eight digits	No setting

Conditions

None

Feature Cross Reference

None

Program

90

Program 90 : Maintenance Program

90-51 : Alarm Setup for Maintenance Exchange

Level
IN

Program

90

Description

Use **Program 90-51 : Alarm Setup for Maintenance Exchange** to set the day for the maintenance exchange of parts that need regular maintenance.

Input Data

Index	1 ~ 10
-------	--------

Item No.	Item	Input Data	Default
01	Display Name	Up to 16 characters	Refer to table
02	Year	00 ~ 99	00
03	Month	01 ~ 12	00
04	Day	01 ~ 31	00

Index	Default
01	--- No setting ---
02	Backup battery
03	--- No setting ---
04 ~ 10	--- No setting ---

Conditions

None

Feature Cross Reference

None

Program 90 : Maintenance Program

90-52 : System Alarm Save

Level
IN

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 90-52 : System Alarm Save** for the system alarm output operation.

Input Data

Item No.	Item	Input Data	Default
01	Save All Alarm Reports	Print All? (1 = Yes)	-
02	Save New Alarm Reports	Print New? (1 = Yes)	-

Conditions

None

Feature Cross Reference

None

Program

90

Program 90 : Maintenance Program

90-53 : System Alarm Clear

Level
IN

Program

90

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 90-53 : System Alarm Clear** to clear the system alarm.

Input Data

Item No.	Item	Input Data	Default
01	Clear All Alarm Reports	All Clear? (1 = Yes)	-

Conditions

None

Feature Cross Reference

None

Program 90 : Maintenance Program

90-54 : PC/Web Programming

Level
IN

Description

Use Program 90-54 : PC/Web Programming sets parameters for PC and Web Programming.

Input Data

Item No.	Item	Input Data	Description	Default
01	Web Pro TCP port number	1 ~ 65535	The port number of TCP of the Web programming is set. The port number of new TCP is not reflected from the Web Pro to the logout of all users of the Web Pro who is logging in the system after data is changed in the setting.	80
02	PC Pro TCP port Number	1 ~ 65535	The port number of TCP of the PC programming is set. The port number of new TCP is not reflected from the PCPro to the logout of all users of the PCPro who is logging in the system after data is changed in the setting.	8000

Conditions

None

Feature Cross Reference

- PC Programming

Program

90

Program 90 : Maintenance Program

90-55 : Free License Select

Level
IN

Program

90

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 90-55 : Free License Select** to validate the Free License.

Input Data

Item No.	Item	Input Data	Default
01	Start Free License	0 = Stop 1 = Start	0

Conditions

None

Feature Cross Reference

None

Program 90 : Maintenance Program

90-56 : NTP Setup

Level
IN

Description

Use Program 90-56 : NTP Setup to set the NTP.

Input Data

Item No.	Item	Input Data	Default
01	NTP Synchronize	0 = No 1 = Yes	0
02	Server Address	IPv4 form : xxx.xxx.xxx.xxx IPv6 form : xxxx.xxx.xxx.xxx.xxx	No setting

Conditions

None

Feature Cross Reference

None

Program

90

Program 90 : Maintenance Program

90-57 : Backup Recovery Data

Level

SA

Program

90

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 90-57 : Backup Recovery Data** to backup the system data in the Compact Flash memory on the CPU and to make the recovery data.

Input Data

Data ID		1 ~ 5	
Item No.	Item	Input Data	Default
01	Backup Recovery Data	[Backup?] : Dial 1 + press Hold (Press Hold only to cancel.)	-

Conditions

None

Feature Cross Reference

None

Program 90 : Maintenance Program

90-58 : Restore Recovery Data

Level
SA

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 90-58 : Restore Recovery Data** to select the recovery data stored in the Compact Flash memory of the CPU. After this command is executed, the system restarts automatically.

Input Data

Data ID		1 ~ 5	
Item No.	Item	Input Data	Default
01	Restore Recovery Data	[Restore & Reset?] : Dial 1 + press Hold (Press Hold only to cancel.)	-

Conditions

None

Feature Cross Reference

None

Program

90

Program 90 : Maintenance Program

90-59 : Delete Recovery Data

Level

SA

Program

90

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 90-59 : Delete Recovery Data** to select and delete the recovery data stored in the Compact Flash memory of the CPU.

Input Data

Data ID		1 ~ 5	
Item No.	Item	Input Data	Default
01	Delete Recovery Data	[Delete?] : Dial 1 + press Hold (Press Hold only to cancel.)	-

Conditions

None

Feature Cross Reference

None

Program 90 : Maintenance Program

90-60 : T1/ISDN Layer Status Information

Level
IN

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 90-60 : T1/ISDN Layer Status Information** to display layer status information for T1 packages.

Input Data

Slot No.	00 ~ 09		
Item No.	Item	Input Data	Default
01	Link Status	- = No Link 0 = Link N/A = No card seen in slot	None

Conditions

None

Feature Cross Reference

None

Program

90

Program 90 : Maintenance Program

90-63 : DR700 Control

Level
IN

Program

90

Description

Use **Program 90-63 : DR700 Control** to adjust settings of the DR700.

Input Data

Item No.	Item	Input Data	Default
01	Priority Timer	0 ~ 255	80

Conditions

None

Feature Cross Reference

None

Program 90 : Maintenance Program

90-65 : 1st Party CTI Authentication Password Setup

Level
SA

Description

Use **Program 90-65 : 1st Party CTI Authentication Password Setup** to set the authentication password.

Input Data

Item No.	Item	Input Data	Description	Default
01	Password	Up to 16 characters	Sets the authentication password when the 1st Party CTI application is connected to the system via a NAT router. If a password is not set, the system does not certify it.	nec-i

Conditions

None

Feature Cross Reference

None

Program

90

Program 90 : Maintenance Program

90-66 : FTP Firmware Update setup

Level

IN

Program

90

Description

Use **Program 90-66 : FTP Firmware Update setup** to setup the Login info to connect to the FTP Server.

Input Data

Item No.	Item	Input Data	Description	Default
01	User Name	Up to 32 characters		None
02	Password	Up to 32 characters		None
03	FTP Server Host Name	Up to 255 characters	Input URL or IP Address of FTP Server. Use xxx.xxx.xxx.xxx format in case of IP Address.	None
04	FTP Server TCP Port	0 ~ 65535		21
05	DNS Primary Address	0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254		0.0.0.0
06	DNS Secondly Address	0.0.0.0 ~ 126.255.255.254 128.0.0.1 ~ 191.255.255.254 192.0.0.1 ~ 223.255.255.254		0.0.0.0

Conditions

None

Feature Cross Reference

None

Program 90 : Maintenance Program

90-67 : Backup Data Auto-save Interval Time Set

Level
IN

Description

Use **Program 90-67 : Backup Data Auto-save Interval Time Set** to set time interval D-RAM data that is saved in F-ROM memory.

D-RAM memory : Configuration information such as call transfer and Do Not Disturb.

Input Data

Item No.	Item	Input Data	Default	This Program is ..
01	Interval time	0 ~ 255	48 (24 hr)	0 = Do not Auto-save 1 = 30 min 2 = 60 min 3 = 90 min : 255 = 30 min (127 hr)

Conditions

None

Feature Cross Reference

None

Program

90

Program 90 : Maintenance Program

90-68 : Side Tone Auto Setup

Level
IN

Program

90

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use Program **90-68 : Side Tone Auto Setup** to setup the volume level of Side Tone for each Analog Trunk Port.

This program will change the setting of "PRG 81-07 CODEC Filter Setup for analog Trunk Port" If the Analog Port is in used or if it is other than a Analog Trunk Port then it will give out the error message.

Input Data

Item No.	Item	Input Data	Description	Default	Related Program
01	Adjustment Start	Trunk Port Number 001 ~ 096	This will start the Adjustment of Side Tone for each Analog Trunk Port. If it is successful it will change the PRG 81-07. If it is successful it will ask to change it for all Analog Trunk Port.. If you select to change the Setting All Analog Trunk Port it will change all the Port in 81-07.	No Setting	81-07-01 21-01-05 21-01-06 14-01-07 21-06-06 21-05-07
02	1 digit data	Dial (1 digit)	This setting will ask to use the digit after Line is retrieved.	0	-

Conditions

None

Feature Cross Reference

None

Program 92 : Copy Program

92-01 : Copy Program

Level
IN

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 92-01 : Copy Program** to copy the data for one program to another multiline terminal, port, group, or other number. Refer to the following charts to see which programs can be copied.

Input Data

Program Number	XX ~ XX
----------------	---------

Item No.	Item	Input Data
01	Source Number Enter the extension, trunk, group or other number from which the data is to be copied.	<ul style="list-style-type: none"> For Trunk Base : Trunk Port Number 001 ~ 096 For Trunk Group Base : Trunk Group Number 01 ~ 25 For Extension Base : Extension Number Maximum eight digits For Department Group Base : Department Group Number 01 ~ 32 For DSS : DSS Console Number 01 ~ 12 For Door Phone: Door phone number : 1 ~ 6
	Destination Number (From) Enter the first extension, trunk, group or other number to which the information is to be copied.	
	Destination Number (To) Enter the last extension, trunk, group or other number to which the information is to be copied. If the information is being copied only to one extension, trunk, group or other number, enter the information entered in the Destination Number (From) entry.	

The Copy Program is applicable only for the following programs :

Trunk Port Base

Program No.	Program Name	Note
14-01	Trunk Basic Data Setup	Copy all data except Trunk Name (Item 01).
14-02	Analog Trunk Data Setup	
14-04	Behind PBX Setup	
14-08	Music on Hold Source for Trunks	
14-09	Conversation Recording Destination for Trunk	
20-30	Timer Class for Trunk	
21-03	Trunk Group Routing for Trunks	
21-12	ISDN Calling Party Number Setup for Trunk	
21-21	Toll Restriction for Trunks	
21-22	CO Message Waiting Indication	
22-02	Incoming Service Type Setup	
22-03	Trunk Ring Tone Setup	
22-05	IRG Assignment for Normal Ring Trunk	
22-08	Second IRG Setup for Unanswered DIL / IRG	
31-05	Incoming Ring Tone Audible on External Speaker	
81-07	Codec Filter Setup for Analog Trunk Port	

Trunk Group Base

Program No.	Program Name	Note
35-03	SMDR Port Assignment for Trunk Group	

Extension Base

Program No.	Program Name	Note
15-01	Extension Basic Data Setup (include Virtual Extension)	Copy all data except extension name (item 01).
15-02	Multiline Telephone Basic Data Setup	
15-03	Single Line Telephone Basic Data Setup	
15-06	Trunk Access Map for Extension	

Program No.	Program Name	Note
15-07	Programmable Function Key	
15-08	Incoming Virtual Extension Ring Tone Setup	
15-09	Virtual Extension Ring Assignment	
15-10	Incoming Virtual Extension Ring Tone Order Setup	
15-11	Virtual Extension Delayed Ring Assignment	
15-12	Conversation Recording Destination for Extension	
15-17	CO Message Waiting Indication	
15-18	Virtual Extension Key Enhancement Options	
20-06	Class of Service for Extension	
20-29	Timer Class for Extension	
21-02	Trunk Group Routing for Extensions	
21-04	Toll Restriction Class for Extensions	
21-11	Hotline Assignment	
23-02	Call Pickup Groups	
23-03	Ring Line Preference	
23-04	Ring Line Preference for Virtual Extensions	
24-03	Park Group Assignment	
31-02	Internal Paging Group Assignment	
82-14	Handset/Headset Gain Setup for Multi-Line Telephone	

Department Base

Program No.	Program Name	Note
16-01	Department (Extension) Group Basic Data Setup	Copy all data except Group Name (Item 01).
35-04	SMDR Port Assignment for Department Group	

DSS Console Base

Program No.	Program Name	Note
30-01	DSS Console Operation Mode	
30-03	DSS Key Assignment	

Door Box Base

Program No.	Program Name	Note
32-02	Door Box Ring Assignment	

Conditions

- Using this program to copy a multiline terminal Programmable Function Keys, copies all keys whether or not they exist on the terminal to which the programming is being copied. This may cause confusion when trying to define a key which is already defined but which does not exist on the terminal (displays as DUPLICATE DATA). It is recommend to either clear these non-existent keys or copy only from an extension which has the same or fewer numbers of keys than the extension to which the programming is being copied.

Feature Cross Reference

None

Program 92 : Copy Program

92-02 : Delete All Extension Numbers

Level
IN

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 92-02 : Delete All Extension Numbers** to delete all extension numbers <Program 11-02>, <Program 11-04>. However, the extension number of the first port is not deleted.

Input Data

Item No.	Item	Input Data	Description	Default
01	Extension Number	Delete Yes : 1	[Dial 1] + Hold key (Only press Hold key is canceled.)	-

Conditions

None

Feature Cross Reference

None

Program

92

Program 92 : Copy Program

92-03 : Copy Program by Port Number

Level
IN

Program

92

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 92-03 : Copy Program by Port Number** to copy extension and the data of each outside line.

Input Data

Program Number		XX-XX
Item No.	Item	Input Data
01	Source Number Enter the port number from where the data is to be copied.	<ul style="list-style-type: none"> For Trunk Base : Trunk Port Number 001 ~ 096 For Trunk Group Base : Trunk Group Number 01 ~ 25 For Extension Number : 001 ~ 100 (V2.0 Changed) Including Virtual Extension : 01 ~ 50 For Department Group Base : Department Group Number 01 ~ 32 For DSS : (DSS Console Number 01 ~ 12
02	Destination Number (From) Enter the first port number to where the information is to be copied	
03	Destination Number (To) Enter the last port number to where the information is to be copied. If the information is to be copied only to one port, enter the information entered in the Destination Number (From) entry.	



Refer to Program 92-01 : Copy Program for program that can be copied.

Conditions

None

Feature Cross Reference

None

Program 92 : Copy Program

92-04 : Extension Data Swap

Level
IN

Description

Note: This program is available only via telephone programming and not through PC Programming.

Use **Program 92-04 : Extension Data Swap** to swap data between two extensions.

Input Data

Item No.	Item	Input Data
01	1st Extension Number	Up to eight digits.
	2nd Extension Number	

The following table lists Programs that use the Extension Data Swap function.

Program Number	Program Name	Note
11-02	Extension Numbering	
12-05	Night Mode Group Assignment for Extensions	
13-03	Abbreviated Dial Group Assignment for Extensions	
13-06	Station Abbreviated Dial Number and Name	
15-01	Extension Basic Data Setup	
15-02	Multi-Line Telephone Basic Data Setup	
15-03	Single Line Telephone Basic Data Setup	
15-06	Trunk Access Map for Extension	
15-07	Programmable Function Key	
15-08	Incoming Virtual Extension Ring Tone Setup	
15-09	Virtual Extension Ring Assignment	
15-10	Incoming Virtual Extension Ring Tone Order Setup	
15-11	Virtual Extension Delayed Ring Assignment	
15-12	Conversation Recording Destination for Extension	
15-14	Programming One-Touch Keys	
15-17	CO-Message Waiting Indication	
15-18	Virtual Extension Key Enhance Options	
16-02	Department Group Assignment for Extensions	
20-06	Class of Service for Extension	
20-29	Timer Class for Extensions	
21-02	Trunk Group Routing for Extension	
21-04	Toll Restriction Class for Extension	
21-07	Toll Restriction Override Password Setup	
21-10	Dial Block Restriction Class per Extensions	
21-11	Hotline Assignment	
21-13	ISDN Calling Party Number Setup for Extension	
21-15	Individual Trunk Group Routing for Extensions	
21-18	IP Trunk (H.323) Calling Party Number Setup for Extension	
21-19	IP Trunk (SIP) Calling Party Number Setup for Extension	
21-20	SIP Trunk Call Discernment Setup for Extension	
22-04	Incoming Ring Group Setup	
22-06	Normal Incoming Ring Mode	
23-02	Call Pickup Group	
23-03	Ringing Line Preference	
23-04	Ringing Line Preference of Virtual Extension	
24-03	Park Hold Group Assignment	
24-09	Call Forward Split Settings	
26-04	ARS Class of Service	
31-02	Internal Paging Group Assignment	
42-02	Hotel Extension Basic Data Setup	
82-14	Handset/Headset Gain Setup for Multi-Line Telephone	
90-28	User Programming Password Setup	
92-05	Data Swap Password of each Extension Setup	

Program

92

Conditions

None

Feature Cross Reference

None

Program

92

Program 92 : Copy Program

92-05 : Extension Data Swap Password

Level
IN

Description

Use **Program 92-05 : Extension Data Swap Password** to define the 4-digit password for each extension to allow Extension Data Swap.

Input Data

Extension Number	Up to eight digits.
------------------	---------------------

Item No.	Item	Input Data	Description	Default	Related Program
01	Password	Fixed four digits (No setting at default)	Password required on a per station basis when utilizing the station swap feature.	-	11-15-12

Conditions

None

Feature Cross Reference

None

Program

92

Program 92 : Copy Program

92-06 : Fill Command

Level
IN

Program

92

Description

Use **Program 92-06 : Fill Command** to allocate the data of each extension number of each extension group or each table.

Input Data

Program Number		XX - XX
----------------	--	---------

Item No.	Item	Input Data
01	Source Number	Each extension port = 001 ~ 120 (V2.0 Changed) (Program 11-02) Each virtual extension port = 01 ~ 50 (Program 11-04) Each extension group = 1~32 (Program 11-07)
	Destination Number (From)	
	Destination Number (To)	

The following table lists Programs that use the Fill Command function.

Program Number	Program Name	Note
11-02	Extension Numbering	
11-04	Virtual Extension Numbering	
11-07	Extension (Department) Group Pilot Number	

Conditions

None

Feature Cross Reference

None

Program 92 : Copy Program

92-07 : Delete Command

Level
IN

Description

Use **Program 92-07 : Delete Command** to delete the data of each extension number of each extension group or each table.

Input Data

Program Number		XX-XX
Item No.	Item	Input Data
01	Destination Number (From)	Each extension port = 001 ~ 120 (V2.0 Changed) (Program 11-02) Each virtual extension port = 01 ~ 50 (Program 11-04) Each extension group = 1~32 (Program 11-07)
	Destination Number (To)	

The following table lists Programs that use the Delete Command function.

Program Number	Program Name	Note
11-02	Extension Numbering	
11-04	Virtual Extension Numbering	
11-07	Extension (Department) Group Pilot Number	

Conditions

None

Feature Cross Reference

None

Program

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Program

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