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Electra **Elite** IPK II

PROGRAMMING MANUAL

Empowered by Imagination

NEC

Preface

THIS MANUAL

The Programming Manual provides the technician with all of the necessary information for programming the Electra Elite IPK II system.

Programming can be accomplished using a PC or a Multiline Terminal.

SUPPORTING DOCUMENTS

Electra Elite IPK II General Description Manual

This Manual provides general information about the system, its features, system configuration and standards. This manual provides an overview of the Electra Elite IPK II system and can be used to present information to potential customers.

Electra Elite IPK II System Hardware Manual

The System Hardware Manual is provided for the system installer. This manual has detailed instructions for installing the Electra Elite IPK II KSU, ETUs, Multiline Terminals, and optional equipment.

Electra Elite IPK II Features and Specifications Manual

This manual provides detailed information for each of the system features. If you are not familiar with the features, the Table of Contents lists each of the features and where to find the feature within the manual.

Electra Elite IPK II Key-Common Channel Interoffice Signaling (K-CCIS) Manual

This manual provides information installing and programming the Key-Common Channel Interoffice Signaling (K-CCIS) System.

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Program 16 : Department Group Setup

Program 20 : System Option Setup

Program 21 : Outgoing Call Setup

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Introduction

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SECTION 1   BEFORE YOU START PROGRAMMING

> **STOP** 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.

SECTION 2   HOW TO USE 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 reverse type (white on black) just beneath the Description heading is the program's access level. You can only use the program if your access level meets or exceeds the level the program requires. Refer to 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 Section 3 How to Enter Programming Mode below.

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

Password	User Name	Level	Programs at this Level
47544	**necii**	1 (MF)	Manufacturer (MF): All programs
12345678	**tech**	2 (IN)	Installation (IN): All programs in this section not listed below for SA and 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, 10-22, 12-02, 12-03, 12-04, 15-01, 15-07, 15-09, 15-10, 15-11, 20-16, 21-07, 21-14, 22-04, 22-11, 25-08, 30-03, 32-02, 40-02, 41-02, 41-03, 41-04, 41-05, 41-06, 41-07, 41-08, 41-09, 41-10, 41-11, 41-12, 41-13, 41-14, 41-15, 41-16, 41-17, 41-18, 90-03, 90-04, 90-06, 90-07, 90-18, 90-19
9999	**ADMIN2**	4 (SB)	System Administrator - Level 2 (SB): 13-04, 13-05, 13-06

SECTION 4   HOW TO EXIT PROGRAMMING MODE

To exit the programming mode:

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

1.   Press **Answer** key to exit the program's 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) is required. Insert the CF into the CPUII and, using Program 90-03, save the software to the Compact Flash. (Program 90-04 is used to reload the customer data if necessary.) Note that a Compact Flash can only hold one customer database. Each database to be saved will require its own separate card.*

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

Keys for Entering Data	
Use this key...	**When you want to...**
0~9 and ✱	Enter data into a program.
TRANSFER	Complete the programming step you just made (e.g., pressing **Enter** on a PC keyboard). When a program entry displays, press **Transfer** to bypass the entry without changing it.
CONF	Delete the entry to the left (e.g., pressing **Backspace** on a PC keyboard).
HOLD	Delete or clear all characters to the right of the cursor.
ANSWER	Exit one step at a time from the program window currently being viewed. For example, if programming item 5 in 15-03, pressing **Answer** allows you to enter a new option in program 15-03. Pressing **Answer** again allows you to select a new program in the 15-XX series. Pressing **Answer** a third time allows you to enter a new program beginning with **1**. Pressing **Answer** one last time brings you to the beginning program display, allowing you to enter any program number.
REDIAL	Switch between the different input data fields by pressing **Redial**. The cursor moves up to the top row of the display. Pressing **Redial** again moves the cursor back to the middle row.
LINE KEYS	Use pre-programmed settings to help with the program entry. These settings vary between programs from LINE 1 = 0 (off) and LINE 2 = 1 (on) to preset values for timers where LINE 1 = 5, LINE 2 = 10, LINE 3 = 15, etc. For programs with this option, the line key, which currently matches the programmed setting, lights steady. The display can also indicate Softkey, which will allow you to select the values as well (-1 and +1 will step through these pre-programmed settings.)
LINE KEY 1	Program a pause into an Speed Dialing bin.
LINE KEY 2	Program a recall/flash into an Speed Dialing bin.
LINE KEY 3	Program an @ into an Speed Dialing bin.

Table 1-1 Keys for Entering Data (Continued)

Keys for Entering Data	
Use this key...	**When you want to...**
VOL ▲	Scroll backward through a list of entry numbers (e.g., from extension etc.) or through entries in a table (e.g., Common Permit Table).
	If you enter data and then press this key, the system accepts the data before scrolling forward.
VOL ▼	Scroll forward through a list of entry numbers (e.g., from extension etc.) or through entries in a table (e.g., Common Permit Table).
	If you enter data and then press this key, the system accepts the data before scrolling backward.

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 @ [¥] ^ _ ` { | } Æ ¨ Á À Â Ã Ç É Ê 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 ! " # $ % & ' ( ) ô Õ ú ä ö ü α ε θ**

Table 1-2 Keys for Entering Names

Use this keypad digit . . .	When you want to. . .
✱	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 Softkey instead to accept and/or add a space.)
Conf	Clear the character entry one character at a time.
Hold	Clear all the entries from the point of the flashing cursor and to the right.

SECTION 7   USING SOFTKEYS FOR PROGRAMMING

Each Electra Elite IPK II display telephone 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.

```
 _
          Program Mode
 Base    Service   OP1     OP2
   ◯       ◯       ◯       ◯
```

Pressing the VOLUME ▲ or VOLUME ▼ will scroll between the menus.

```
 _
          Program Mode
 CCIS     Hard    Mtnance
   ◯       ◯       ◯       ◯
```

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 VOLUME ▲ or VOLUME ▼ 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 Electra Elite IPK II system.

Table 1-4 System Number Plan/Capacities

System Number Plan/Capacities	
System Type	**Number Plan/Capacities**
System	
Analog Caller ID Detector	64
Classes of Service	15
Day/Night Mode Numbers	8
Day/Night Service Patterns	32
Dial Tone Detector DTMF Receiver	64
Toll Restriction Classes	15
Verifiable Account Code Table	2000
Trunk	
Trunk Port Number	1~200
Trunk Ports (Total): ❍ Analog Trunks ❍ BRI Trunk Ports ❍ T1/PRI Trunk Ports ❍ E&M Analog Trunk Ports ❍ DID Analog Trunk Ports ❍ VoIP Trunk Ports	200 184 184 200 46 92 184 if IAD 200 is PVA
DID Translation Tables	20
DID Translation Table Entries	2000
DISA: ❍ Classes of Service ❍ Users	15 1~15
Ring Groups	1~100
Tie Line Classes of Service	15
Tie Line Toll Restriction Classes	15
Trunk Access Maps	1~200
Trunk Group Numbers	1~100

Table 1-4 System Number Plan/Capacities (Continued)

System Number Plan/Capacities	
System Type	**Number Plan/Capacities**
Trunk Routes	1~100
Extension	
Telephone Extension Port Numbers ❍ Multiline Terminals ❍ Single Line Phones/Analog Devices ❍ VoIP Extensions ❍ Electra Elite IPK II Wireless	1~256 (1~240) (1~184) (1~256) 256
Extension Ports (Total): ❍ Multiline Terminals ❍ Single Line Phones/Analog Devices	 240 184
ESIU: ❍ Physical Ports	 01~16
SLIU: ❍ Physical Ports	 01~16
Telephone Extension Number Range	1~99999999
Virtual Extension Ports	256
Virtual Extension Port Numbers	001~256
Virtual Extension Number Range	Undefined
PGD(2)-U10 Modules	56
ADA (Recording Jack) Adapters	240
Electra Elite IPK II Wireless – DECT Base Stations	16
Electra Elite IPK II Wireless – DECT Telephones	256
Door Boxes	8
Door Box Numbers	1~8
DSS Consoles Numbers: ❍ 60 Button DSS Console	 32
Operator Access Number	0
Operator Extension	1
Ringdown Assignments	512
SLT Adapters	16
HF-R Adapters	240

Table 1-4 System Number Plan/Capacities (Continued)

System Number Plan/Capacities	
System Type	**Number Plan/Capacities**
Speed Dialing	
Speed Dialing Groups	64
Speed Dialing Bins	0~1999
Speed Dialing Table-Common	1000
ACD	
ACD Groups	64
ACD Agent Extensions	256
ACI	
ACI Groups	16
ACI Ports	96
Automated Attendant	
VRS Message Numbers	1~48
Conference	
Conference Circuits	64 - maximum (32 Parties Per Conference)
Data Communication Interfaces	
APR Software Port Numbers	193~256
APA Adapters	240
APR Adapters	240
CTA or CTU Adapters	32
Department and Pickup Groups	
Department (Extension) Group Numbers	1~64
Call Pickup Group Numbers	1~64
Hotline	
Internal Hotline	512
External Hotline	512

Table 1-4 System Number Plan/Capacities (Continued)

System Number Plan/Capacities	
System Type	**Number Plan/Capacities**
Paging and Park	
Internal Page Group Numbers	0, 1~9 or 01~64
External Page Group Numbers	0, 1~8
External Speakers ❍　CPU II( )-U10 ❍　PGD(2)-U10 ADP Module	9 (1) (1~8)
Park Group Numbers	1~64
Park Orbits	1~64
SMDR	
SMDR Ports	1~8
VRS	
VRS (on DSP Daughter Board)	1
VRS Channels	16
VRS Attendant Messages	3
VRS Recordable Messages	48
Voice Mail	
Ports for IPK II In-Mail	8
Ports for External Voice Mail	48
VoIP	
ADA2 (Recording Jack) Adapters	240
IP Adapters	256
PSA (Power Failure) Adapters	256
RTP Ports	0~65535
RTCP Ports	0~65535
DSP Resources	01~208

Table 1-4 System Number Plan/Capacities (Continued)

System Type	Number Plan/Capacities
System Number Plan/Capacities	
Passwords	
Programming Passwords:	
Level 1 (MF) PCPro/WebPro User Name:	47544 **necii**
Level 2 (IN) PCPro/WebPro User Name:	12345678 **tech**
Level 3 (SA) PCPro/WebPro User Name:	0000 **ADMIN1**
Level 4 (SB) PCPro/WebPro User Name:	9999 **ADMIN2**
Programming Password Users	8
Extension numbers can be one to eight digits long. Refer to the Flexible System Numbering feature in the Electra Elite IPK II Features and Specifications manual.	

Programming the Electra Elite IPK II

2

SECTION 1   PROGRAMMING YOUR SYSTEM

The information contained in this chapter provides the information necessary to properly program your Electra Elite IPK II system.

The programming blocks are organized into the following programming modes.

Table 2-1 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 : DID/DISA Setup
Program 26 : ARS Service
Program 30 : DSS/DLS Console Setup (no Programs 27~29)
Program 31 : Paging Setup

Programming

Table 2-1 Programming Modes   (Continued)

Program Number : Program Name
Program 32 : Door Box and Sensor Setup
Program 33 : CTA and ACI Setup
Program 34 : Tie Line Setup
Program 35 : SMDR Account Code Setup
Program 40 : Voice Recording System (no Programs 36~39)
Program 41 : ACD Setup
Program 42 : Hotel Setup
Program 44 : ARS/F-Route Setup (no Program 43)
Program 45 : Voice Mail Integration
Program 47 : In-Mail (no Program 46)
Program 50 : Common Channel Interoffice Signaling Service (CCIS)
Program 80 : Basic Hardware Setup for System (no Programs 48, 49, 51~79)
Program 81 : Basic Hardware Setup for Trunk
Program 82 : Basic Hardware Setup for Extension
Program 83 : Hardware Setup for IPK II Wireless
Program 84 : Hardware Setup for VoIP
Program 85 : HUB(8) LAN Setup
Program 90 : Maintenance Program (no Programs 86~89)
Program 91 : IPK II Wireless DECT Handset Entry
Program 92 : Copy Program

Program 10 : System Configuration Setup

10-01 : Time and Date

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	Default	Description
01	**Year**	00~99	No Setting	Enter 2 digits for year (00~99).
02	**Month**	01~12	No Setting	Enter 2 digits (01~12) for the month.
03	**Day**	01~31	No Setting	Enter 2 digits (01~31) for the day.
04	**Week**	1~7 (Sun~Sat)	No Setting	Enter digit for the day of the week (1=Sunday, 7=Saturday).
05	**Hour**	00~23	No Setting	Enter 2 digits for the hour (00~23).
06	**Minute**	00~59	No Setting	Enter 2 digits for the minute (00~59).
07	**Second**	00~59	No Setting	Enter 2 digits for the second (00~59).

Conditions
None

Feature Cross Reference

❑   Clock/Calendar Display

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	Default	Description
01	Country Code	Dial (up to 4 digits) 0~9, ∗, #	1	Enter the country code.
02	International Access Code	Dial (up to 4 digits) 0~9, ∗, #	-	Enter the international access code.
03	Other Area Access Code	Dial (up to 2 digits) 0~9, ∗, #	9	Enter the other area access code
04	Area Code	Dial (up to 6 digits) 0~9, ∗, #	-	Enter the local area code.
05	Trunk Access Code	Dial (up to 8 digits): 0~9, #, ∗	-	Enter the trunk access code digits required to place an outgoing call. This is the code which is added to the Caller ID information for incoming trunk calls to allow the Wireless DECT Handsets to dial out. The trunk access code will also display for inbound ISDN calls to Wireless DECT Handsets.

Conditions
None

Feature Cross Reference

None

Program 10 : System Configuration Setup

10-03 : ETU Setup

Level:
IN

Description

Use **Program 10-03 : ETU Setup** to setup and confirm the Basic Configuration data for each ETU. 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 reseat the ETU.

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

✎   *The item numbers indicated below are different when using PCPro/WebPro due to the window layout of the applications. Refer to the program in the PCPro/WebPro application to determine the correct item number.*

Input Data

For CNF PKG Setup

Physical Port Number	01~16

Item No.	Item	Input Data	Default
01	**Logical Port Number**	0~256	0

For CCISoIP PKG Setup

Physical Port Number	01~24

Item No.	Item	Input Data	Default
01	**Logical Port Number** The start port number of a T1 line is displayed, and 24 logic ports are automatically assigned to a DTI (T1) line.	0~200	0
02	**T1 Signal Format Selection**	0 = D4 (12 Multi Frame) 1 = ESF (24 Multi Frame)	1
03	**Clear Channel Selection**		0

| 04 | Line Length Selection | 0 = 0 feet ~ 133 feet
1 = 134 feet ~ 266 feet
2 = 267 feet ~ 399 feet
3 = 400 feet ~ 533 feet
4 = 534 feet ~ 655 feet | 0 |

For MG 16 PKG Setup

Physical Port Number	0

Item No.	Item	Input Data	Default
01	**Logical Port Number**	0~200	0

For ESI PKG Setup

Physical Port Number	01~16

Item No.	Item	Input Data	Default
01	**Terminal Type (B1)**	0 = Not set 1 = Multiline Terminal 2 = SLT Adapter 3 = -- Not Used -- 4 = -- Not Used -- 5 = -- Not Used -- 6 = PGD (Paging) 7 = PGD (Tone Ringer) 8 = PGD (Doorbox) 9 = PGD (ACI) 10 = DSS Console 11 = -- Not Used --	0
02	**Logical Port Number (B1)**	0 = Not set 1 = Multiline Terminal 2 = SLT Adapter 3 = Not Used 4 = Not Used 5 = 2DCI Adapter 1~32 6 = PGD (Paging) 7 = PGD (for Tone Ringer) 1~4 or 1~8 8 = PGD (for Door Box) 1~4 or 1~8 9 = PGD (for Analog I/F) 1~8 or 1~96 10 = DSS 11 = -- Not Used --	0
03	**--- Not Used ---**		

Item No.	Item	Input Data	Default
04	**Optional Installed Unit 1**	0 = None 1 = APR Module 2 = APA Module 3 = ADA Module 4 = CTA/CTU Module	0
05	**Optional Installed Unit 2**	0 = None 1 = APR Module 2 = APA Module 3 = ADA Module 4 = CTA/CTU Module	0

B-Channel 2			
Item No.	Item	Input Data	Default
06	**Terminal Type (B2)**	0 = Not set 6 = PGD (Paging) 7 = PGD (Tone Ringer) 8 = PGD (Door Box) 9 = PGD (ACI) 12 = APR	0
07	**Logical Port Number (B2)**	PGD (Paging/Tone Ringer) = 1-PGmax PGD (for Door Box) = 1-DBmax PGD (Analog I/F) = 1-ACImax APR (for B2 mode) 193~256	

For SLI PKG Setup

Physical Port Number	01~08

Item No.	Item	Input Data	Default
01	**Logical Port Number**	0~256	0
02	**--- Not Used ---**		
03	**Transmit Gain Level (S-Level)**	1~63 (-15.5 +15.5dB)	32 (0dB)
04	**Receive Gain Level (R-Level)**	1~63 (-15.5 +15.5dB)	32 (0dB)

For COIU Unit Setup

Physical Port Number	01~08

Item No.	Item	Input Data	Default
01	**Logical Port Number**	0~200	0

For TLI PKG Setup

Physical Port Number	01~02

Item No.	Item	Input Data	Default
01	**Logical Port Number**	0~200	0

For DID PKG Setup

Physical Port Number	01~04

Item No.	Item	Input Data	Default
01	**Logical Port Number**	0~200	0

For OPX PKG Setup

Physical Port Number	01~08

Item No.	Item	Input Data	Default
01	**Logical Port Number**	0~256	0

For BRI PKG Setup

ISDN Line Number	01~08

Item No	Item	Input Data	Default
01	**--- Not Used ---**		
02	**Logical Port Number** ✎ *The starting port number of a BRI line is displayed. Two logic ports are automatically assigned to a BRI line.*	0 = Net Set 1 = For T-Bus (1~200) 2 = For S-Bus (1~256)	0
03	**Connection Type**	0 = Point-to-Multipoint (not available for Networking) 1 = Point-to-Point	0
04	**Layer 3 Timer Type** ✎ *Each timer value of Layer 3 is set up for every type using Program 81-06 (T-Bus)*	1~5	1
05	**CLIP Information Announcement** 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 = Disable 1 = Enable	1
06	**--- Not Used ---**		
07	**--- Not Used ---**		
08	**Dial Sending Mode**	0 = Enblock Sending 1 = Overlap Sending	1
09	**Dial Information Element** (Only when Dialing Sending Mode (10-03-08) is set for 1 (Overlap Sending)	0 = Keypad Facility 1 = Called Party Number	
10	**--- Not Used ---**		
11	**--- Not Used ---**		
12	**--- Not Used ---**		
13	**--- Not Used ---**		
14	**--- Not Used ---**		

For PRI PKG Setup

ISDN Line Number	01~24

Item No.	Item	Input Data	Default
01	**--- Not Used ---**		
02	**Logical Port Number** ✎ *The start port number of a PRI line is displayed, and 24 logic ports are automatically assigned to a PRI line.*	1 = for T-Bus 1~200	1
03	**--- Not Used ---**		
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 = Disable 1 = Enable	1
06	**Length of Cable**	0 = 0 ~ 40m 1 = 41~ 80m 2 = 81~ 121m 3 = 122 ~ 162m 4 = 163 ~ 200m	0
07	**--- Not Used ---**		
08	**Dial Sending Mode**	0 = Enblock Sending 1 = Overlap Sending	1
09	**Dial Information Element** (Only when Dialing Sending Mode (10-03-08) is set for 1 (Overlap Sending)	0 = Keypad Facility 1 = Called Party Number	
10	**--- Not Used ---**		
11	**--- Not Used ---**		

Item No.	Item	Input Data	Default
12	**Short / Long-Haul** If there is a CSU/DSU installed between the Telco and the DTI-U40, 10-30-12 must be set to Short:0. If there is no CSU/DSU installed between the Telcon and the DTI-40, 10-03-12 must be set to Long:1.	0 = Short-Haul 1 = Long-Haul	0
13	**Loss-Of-Signal Detection Limit** If the transmit/receive voltage is less than the setting in 10-03-13, the system will consider this as Loss-Of-Signal and the PRI will not come up. Note that there are different values based on the setting in 10-03-12 for the PRI.	In Short-Haul Mode: 0 = 0.91V 1 = 0.74V 2 = 0.59V 3 = 0.42V 4 = 0.32V 5 = 0.21V 6 = 0.16V 7 = 0.10V In Long-Haul Mode: 0 = 1.70V 1 = 0.84V 2 = 0.84V 3 = 0.45V 4 = 0.45V 5 = 0.20V 6 = 0.10V 7 = Not Defined	0
14	**--- Not Used ---**		
17	**ISDN Ringback Tone** If Telco does not provide ringback tone, IPK II can if 10-03-17 is set to 1:Enable.	0 = Disable 1 = Enable	1
21	**Number of Ports** **Requires Version 1500 or higher**	0 = Auto 1 = 4 Ports 2 = 8 Ports 3 = 12 Ports 4 = 16 Ports 5 = 20 Ports	0

For DTI (T1) PKG Setup

Physical Port Number	01~24

Item No.	Item	Input Data	Default
01	**Logical Port Number** The start port number of a T1 line is displayed, and 24 logic ports are automatically assigned to a DTI (T1) line.	0~200	0
02	**T1 Signal Format Selection**	0 = D4 (12 Multi Frame) 1 = ESF (24 Multi Frame)	1
03	**Clear Channel Selection**		0
04	**Line Length Selection**	0 = 0 feet ~ 133 feet 1 = 134 feet ~ 266 feet 2 = 267 feet ~ 399 feet 3 = 400 feet ~ 533 feet 4 = 534 feet ~ 655 feet	0
05	**DTI Trunk Type Assignment**	0 = CO 1 = E&M 2 = DID 3 = ANI	0
06	**Number of Ports** **Requires Version 1500 or higher**	0 = Auto 1 = 4 Ports 2 = 8 Ports 3 = 12 Ports 4 = 16 Ports 5 = 20 Ports	0

For VMS/FMS PKG Setup

Physical Port Number	01~16

Item No.	Item	Input Data	Default
01	**Logical Port Number**	0~256	0

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 an ETU installed to view/change the options for that type of ETU.

Feature Cross Reference

❑   Universal Slots

Program 10 : System Configuration Setup

10-04 : Music On Hold Setup

Level:

IN

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	Default	Description
01	**Music on Hold Source Selection**	0 = No Tone 1 = External MOH 2 = Service Tone	2	The Music on Hold (MOH) source can be internal (synthesized) or from a customer-provided music source. The customer-provided source can connect to a PGD(2)-U10 ADP or the connector on the side of the Base Cabinet MOH/IN connection. Trunk MOH and Extension MOH music source use the same Music on Hold source.
02	**--- Not Used ---**			
03	**Audio Gain Setup**	1-63 (-15.5 +15.5dB)	32 (0dB)	

Conditions
None

Feature Cross Reference

❑ Analog Communications Interface (ACI)

❑ Background Music

❑ Music on Hold

Program 10 : System Configuration Setup
10-05 : General Purpose Relay Setup

Level:
IN

Description

Use **Program 10-05 : General Purpose Relay Setup** to define which Relay circuits (5~8) on PGD(2)-U10 ADP are used for General Purpose Relay.

Input Data

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General Purpose Relay No.	1~8

Item No.	Item	Input Data	Default
01	**Slot No.** **Physical Port of ESIU** **Sensor circuit No.**	Slot No: 0~16 ESIU Port: 0~16 Relay No: 0, 5~8 ✎ *After each entry, pressing the Transfer Key advances to the next entry.*	0 - 0 - 0

Conditions
None

Feature Cross Reference

❑   Analog Communications Interface (ACI)

Program 10 : System Configuration Setup
10-06 : ISDN BRI Setup

Level:
IN

Description

❑ Use **Program 10-06 : ISDN - BRI Setup** to configure the ISDN - BRI Terminal Endpoint Identifier (TEI), mode of operation, and Service Profile Identifier (SPID) number for each circuit B-Channels.

Input Data

ISDN - BRI Circuit	1 ~ 4

Item No.	Item	Input Data	Default
01	**TEI Selection** Selects the method the system uses when assigning Terminal Endpoint Identifier (TEI) values to BRI ports.	0 = Select by SPID number 1 = Route by Redirecting Number	0
02	**DID Mode**	0 = Route by Called Party Number 1 = Route by Redirecting Number	0
03	**SPID 1**	Dial up to 20 digits	
04	**SPID 2**	Dial up to 20 digits	

Conditions
None

Feature Cross Reference

❑ ISDN Compatibility

Program 10 : System Configuration Setup
10-08 : Ringing Setup

Level:
IN

Description

Use **Program 10-08 : 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.	Description	Input Data	Default
01	**Ringing Setup**	0 = Disable 1 = Enable	0

Conditions

❍ Used with Analog Trunks only.

Feature Cross Reference

❑ Central Office Calls, Answering

❑ Synchronous Ringing

Program 10 : System Configuration Setup
10-09 : DTMF and Dial Tone Circuit Setup

Level:
IN

Description

Use **Program 10-09 : DTMF and Dial Tone Circuit Setup** to allocate the circuits on the CPUII for either DTMF receiving or dial tone detection. The CPUII has 16 circuits initially. On the Electra Elite IPK II, with additional PGD(2)-U10 ADPs installed, the system can provide a total of 64 circuits (32 + 32). 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	01~64

Item No.	Input Data	Default Setting
01	**0 = Common Use** **1 = Extension Only** **2 = Trunk Only**	Circuit/Resource 01~08 = 1 (Extension Only) Circuit/Resource 09~32 = 2 (Trunk Only) Circuit/Resource 33~64 = 0 (Common Use)

Conditions
None

Feature Cross Reference

❑   Caller ID

❑   Central Office Calls, Placing

❑   Direct Inward Dialing (DID)

❑   Direct Inward System Access (DISA)

❑   Tie Lines

Program 10 : System Configuration Setup

10-12 : CPUII Network Setup

Level:
SA

Description

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

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

Input Data

Item No.	Item	Input Data			Default	Conditions
01	IP Address	1.0.0.1 ~ 126.255.255.254 128.1.0.1 ~ 191.254.255.254 192.0.1.1 ~ 223.255.254.254			172.16.0.10	
02	Subnet Mask	128.0.0.0 240.0.0.0 254.0.0.0 255.192.0.0 255.252.0.0 255.255.128.0 255.255.248.0 255.255.255.0 255.255.255.224 255.255.255.252	192.0.0.0 248.0.0.0 255.0.0.0 255.224.0.0 255.254.0.0 255.255.192.0 255.255.252.0 255.255.255.128 255.255.255.240 255.255.255.254	224.0.0.0 252.0.0.0 255.128.0.0 255.248.0.0 255.255.0.0 255.255.224.0 255.255.254.0 255.255.255.192 255.255.255.248 255.255.255.255	255.255.0.0	The setting of Subnet Mask is invalid when all Host Address 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.
03	Default Gateway	1.0.0.1 ~ 126.255.255.254 128.1.0.1 ~ 191.254.255.254 192.0.1.1 ~ 223.255.254.254			0.0.0.0	IP Address for Router.

Input Data (Continued)

Item No.	Item	Input Data	Default	Conditions
04	Time Zone	0~24 (0 = -12 Hours and 24 = +12 Hours)	+7 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)
05	**NIC Interface**	0 = Auto Detect 1 = 100Mbps, Full Duplex 2 = 100Mbps, Half Duplex 3 = 10Mbps, Full Duplex 4 = 10Mbps, Half Duplex	0	NIC Auto Negotiate
06	**NAPT Router** **Requires Version 1500 or higher**	0 = No (Disable) 1 = Yes (Enable)	0	IPKII Network Setup
07	**NAPT Router IP Address** **(G/W(WAN))** **Requires Version 1500 or higher**	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	
08	**ICMP Redirect**	0=No (Disable) 1=Yes (Enable)	0	

Conditions

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

Feature Cross Reference

❑   Voice Over Internet Protocol (VoIP)

Program 10 : System Configuration Setup

10-13 : In-DHCP Server Setup

Level:
SA

Description

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

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

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.
02	**Lease Time**	Days 0~255	0 day	Lease Time of the IP address to a client.
		Hour 0~23	0 hour	Note: Pressing the Transfer Key increments to the next setting data.
		Minutes 1~59	30 minutes	
03	**--- Not Used ---**			
04	**Number of Networks**	0 = Single 1 = Divide Same Network	0	The number of networks to manage. With a single network, select **Single**. When dividing and managing the same network as multiple networks, select **Divide**.

Conditions
None

Feature Cross Reference

❑   Voice Over Internet Protocol (VoIP)

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

Scope Number	1~10

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. When **Single** is selected in 10-13-04, only 1 scope range can be entered. When **Divide Same Network** is selected in 10-13-04, a maximum of 10 scope ranges can be entered.	Minimum: 1.0.0.1 ~ 126.255.255.254 128.1.0.1 ~ 191.254.255.254 192.0.1.1 ~ 223.255.254.254	Scope 1 = 172.16.0.100 Scope 2~10 = 0.0.0.0	10-13-04
		Maximum: 1.0.0.1 ~ 126.255.255.254 128.1.0.1 ~ 191.254.255.254 192.0.1.1 ~ 223.255.254.254	Scope 1 = 172.16.5.254 Scope 2~10 = 0.0.0.0	

Conditions

None

Feature Cross Reference

❏   Voice Over Internet Protocol (VoIP)

Program 10 : System Configuration Setup

10-15 : Client Information Setup

Level:
SA

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	1-10

Item No.	Item	Input Data	Default
01	**The IP address should be assigned out of the scope range set up in Program 10-14**.	MAC: 00-00-00-00-00-00 FF-FF-FF-FF-FF-FF	00-00-00-00-00-00
		IP address 1.0.0.1 ~ 126.255.255.254 128.1.0.1 ~ 191.254.255.254 192.0.1.1 ~ 223.255.254.254	0.0.0.0

Conditions
None

Feature Cross Reference

❏   Voice Over Internet Protocol (VoIP)

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**	Code number 0~255	3 (Fixed)
		IP address 1.0.0.1 ~ 126.255.255.254 128.1.0.1 ~ 191.254.255.254 192.0.1.1 ~ 223.255.254.254	0.0.0.0
02	**DNS Server**	Code number 0~255	6 (Fixed)
		IP address 1.0.0.1 ~ 126.255.255.254 128.1.0.1 ~ 191.254.255.254 192.0.1.1 ~ 223.255.254.254	0.0.0.0
03	**--- Not Used ---**		
04	**--- Not Used ---**		
05	**MGC**	Code number 0~255	129 (Fixed)
		IP address 1.0.0.1 ~ 126.255.255.254 128.1.0.1 ~ 191.254.255.254 192.0.1.1 ~ 223.255.254.254	172.16.0.10

Conditions
None

Feature Cross Reference

❑   Voice Over Internet Protocol (VoIP)

Program 10 : System Configuration Setup

10-19 : VoIP DSP Resource Selection

Level:
SA

Description

Use **Program 10-19 : VoIP DSP Resource Selection** to select the type of VoIP ETU DSP resource.

Input Data

Item No.	Item	Input Data	Default
01	**VoIP DSP Resource Selection** **Requires Version 1500 or higher**	0 = Used for both IP Extensions and Trunks 1 = Used for IP Extensions 2 = Used for IP Trunks 3 = Used for Network	0

Conditions

None

Feature Cross Reference

❑   None

Program 10 : System Configuration Setup

10-20 : LAN Setup for External Equipment

Level:
IN

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
	2 = ACD MIS
	3 = Not Used
	4 = Not Used
	5 = SMDR
	6 = Reserved
	7 = Reserved
	8 = Reserved

Item No.	Item	Input Data	Default
01	**TCP Port**	0~65535	External Device 1 and 2 = 0 External Device 3 = 0 External Device 4 = 0 External Device 5 = 0
02	**--- Not Used ---**		
03	**Keep Alive Time**	1~255 (sec)	30

Conditions
None

Feature Cross Reference

None

Program 10 : System Configuration Setup

10-21 : CPUII Hardware Setup

Level:

IN

Description

Use **Program 10-21 : CPUII Hardware Setup** to set up various hardware, such as the baud rate of COM port and the switch for control on CPUII.

Input Data

Item No.	Item	Input Data	Default	Description
01	**--- Not Used ---**			
02	**Baud rate for COM Port**	0 = 4800bps 1 = 9600bps 2 = 19200bps 3 = 38400bps 4 = 56000bps (set in PCPro only) 5 = 115200bps (set in PCPro only	2	Define the baud rate for COM 1.
03	**--- Not Used ---**			

Conditions

None

Feature Cross Reference

None

Program 10 : System Configuration Setup

10-23 : SIP System Interconnection Setup

Level:
IN

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 Electra Elite IPK II system inter-connection.

Input Data

Item No.	Item	Input Data	Default
01	**System Interconnection** **Requires Version 1500 or higher**	0 = No (Disable) 1 = Yes (Enable)	0
02	**IP Address** **Requires Version 1500 or higher**	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
04	**Dial Number** **Requires Version 1500 or higher**	Up to 12 digits (0~9)	None

Conditions
None

Feature Cross Reference

None

Program 10 : System Configuration Setup
10-24 : Daylight Savings Setup

Level:
IN

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	Default
01	**Daylight Savings Mode** Enable (1) or disable (0) the system ability to adjust the time for daylight savings/ standard time.	0 = Disable 1 = Enable	1
02	**Time for Daylight Savings** Enter the time of day when the system should adjust for daylight savings time.	0000~2359	0200
03	**Start of Month (Summer Time)** Enter the month when the system should adjust the time for daylight savings time (01~12).	1~12	4
04	**Start of Week** Enter the week of the month when the system should adjust the time for daylight savings time (0 = last week of the month or 1~5).	0 = Last Week of Month 1 ~ 5	1
05	**Start of Week Day** Enter the day of the week when the system should adjust the time for daylight savings time (01 = Sunday, 02 = Monday, etc.).	1~7 (Sun = 1, Mon = 2, etc.)	1
06	**End of Month** Enter the month when the system should adjust the time for standard time (01~12).	1~12	10

Input Data (Continued)

Item No.	Item	Input Data	Default
07	**End of Week** Enter the week of the month when the system should adjust the time for standard time (0 = last week of the month or 1~5).	0 = Last Week of Month 1~5	0
08	**End of Week Day** Enter the day of the week when the system should adjust the time for daylight savings time (01 = Sunday, 02 = Monday, etc.).	1~7 (Sun = 1, Mon = 2, etc.)	1

Conditions

None

Feature Cross Reference

❑　　Clock/Calendar Display

Program 10 : System Configuration Setup

10-28 : SIP System Information Setup

Level:
IN

Description

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

Input Data

Item No.	Item	Input Data	Default
01	**Domain Name** **Requires Version 1500 or higher**	Up to 64 Characters	None
02	**Host Name** **Requires Version 1500 or higher**	Up to 48 Characters	None
03	**Transport Protocol** **Requires Version 1500 or higher**	0 = UDP 1 = TCP	0
04	**UserID** **Requires Version 1500 or higher**	Up to 32 Characters	None
05	**Domain Assignment** **Requires Version 1500 or higher**	0 = IP Address 1 = Domain Name	0
06	**IP Trunk Port Binding** **Requires Version 1500 or higher**	0 = Disable 1 = Enable	0

Conditions
None

Feature Cross Reference

None

Program 10 : System Configuration Setup

10-29 : SIP Server Information Setup

Level:
IN

Description

Use **Program 10-29 : SIP Server Information Setup** defines the SIP Proxy setup for outbound/inbound.

✎   *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 Electra Elite IPK II still checks the settings in the remaining 10-29 programs.*

Input Data

Item No.	Item	Input Data	Default
01	**Default Proxy (Outbound)** **Requires Version 1500 or higher**	0 = Off 1 = On	0
02	**Default Proxy (Inbound)** **Requires Version 1500 or higher**	0 = Off 1 = On	0
03	**Default Proxy IP Address** **Requires Version 1500 or higher**	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
04	**Default Proxy Port Number** **Requires Version 1500 or higher**	0 ~ 65535	5060
05	**Registrar Mode** **Requires Version 1500 or higher**	0 = None 1 = Manual	0
06	**Registrar IP Address** **Requires Version 1500 or higher**	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
07	**Registrar Port Number** **Requires Version 1500 or higher**	0 ~ 65535	5060

Input Data

08	DNS Server Mode **Requires Version 1500 or higher**	0 = Off 1 = On	0
09	DNS Server IP Address **Requires Version 1500 or higher**	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
10	DNS Port Number **Requires Version 1500 or higher**	0 ~ 65535	53
11	Registrar Domain Name **Requires Version 1500 or higher**	Up to 128 Characters	None
12	Domain Name **Requires Version 1500 or higher**	Up to 64 Characters	None
13	Proxy Host Name **Requires Version 1500 or higher**	Up to 48 Characters	None
14	SIP Carrier Choice **Requires Version 1500 or higher**	0 ~ 7 1 = Carrier A 2 = Carrier B 3 = Carrier C 4 = Carrier D 5 = Carrier E 6 = Carrier F 7 = Carrier G	0
15	Registration Expiry (Expire) Time **Requires Version 1500 or higher**	120 ~ 65535 seconds	3600

Conditions

None

Feature Cross Reference

None

Program 10 : System Configuration Setup

10-30 : SIP Authentication Information Setup

Level:
IN

Description

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

Input Data

Item No.	Item	Input Data	Default
02	**User Name** **Requires Version 1500 or higher**	Up to 64 Characters	None
03	**Password** **Requires Version 1500 or higher**	Up to 32 Characters	None
04	**Authentication Trial** **Requires Version 1500 or higher**	0 ~ 9	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	Default
01	**Registration Expire Time** **Requires Version 1500 or higher**	60 ~ 300	120
02	**Authentication Mode** **Requires Version 1500 or higher**	0 = Disable 1 = Enable	0
03	**Registrar/Proxy Domain Name** **Requires Version 1500 or higher**	Up to 64 Characters	None
04	**Registrar/Proxy Host Name** **Requires Version 1500 or higher**	Up to 48 Characters	None

Conditions
None

Feature Cross Reference

None

Program 10 : System Configuration Setup
10-36 : SIP Trunk Registration Information Setup

Level:
IN

Description

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

Input Data

Item No.	Item	Input Data	Default
01	**Registration** **Requires Version 1500 or higher**	0 = Disable 1 = Enable	0
02	**User ID** **Requires Version 1500 or higher**	Up to 32 Characters	None
03	**Authentication User ID** **Requires Version 1500 or higher**	Up to 48 Characters	None
04	**Authentication Password** **Requires Version 1500 or higher**	Up to 32 Characters	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 options for SIP trunks.

Input Data

Item No.	Item	Input Data	Default
01	**UPnP Mode** **Requires Version 1500 or higher**	0 = Disable 1 = Enable	0
02	**Retry Time** **Requires Version 1500 or higher**	0,60 ~ 3600	60

Conditions

None

Feature Cross Reference

None

Program 10 : System Configuration Setup
10-38 : BGM Resource Setup

Level:
IN

Description

Use **Program 10-38 : BGM Resource Setup** to configure the Background Music Source input.

Input Data

Item No.	Item	Input Data	Default	Related Program
01	**BGM Resource Type**	0 = CPUII (MOH/IN) 1 = ACI Port	0	
02	**ACI Port Number for BGM Source** **(only used if 10-38-01 is set to 1)**	0 ~ 96	0	

Conditions

None

Feature Cross Reference

❑   Analog Communications Interface (ACI)

❑   Background Music

Program 10 : System Configuration Setup

10-39 : Fractional Setup

Level:
IN

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** **Requires Version 1500 or higher**	0 = Disable 1 = Enable	0

Conditions
None

Feature Cross Reference

None

Program 10 : System Configuration Setup

10-40 : SIP Trunk Availability

Level:
IN

Description

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

Input Data

Item No.	Item	Input Data	Default
01	**SIP Trunk Availability**	0 = Disable 1 = Enable	0
02	**Number of Ports**	0 = 4 Ports 1 = 8 Ports 2 = 12 Ports 3 = 16 Ports	None

Conditions
None

Feature Cross Reference

None

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Program 11 : System Numbering

11-01 : System Numbering

Level:

IN

Program

11

Description

Use **Program 11-01 : System Numbering** to set the system internal (Intercom) 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 Table 2-2 System Numbering Default Settings on page 2-45 to keep careful and accurate records of your changes.

Before changing your numbering plan, use the PC Program or Web PC Program 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 Table 2-2 System Numbering Default Settings on page 2-45 table, 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.

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 Table 2-2 System Numbering Default Settings on page 2-45 table. In the default program, all codes from 100-999 have three digits. Codes beginning with 0 have one digit. Codes beginning with * have 3 digits and codes beginning with # have 4 digits.

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 Table 2-2 System Numbering Default Settings on page 2-45 table. The choices are:

Dial Types	Dial Type Description	Related Program
0	--- Not Used ---	
1	**Service Code**	11-10 : Service Code Setup (for System Administrator) 11-11 : Service Code Setup (for Registration) 11-12 : Service Code Setup (for Service Access) 11-13 : Service Code Setup (for ACD) 11-14 : Service Code Setup (for HOTEL) 11-15 : Service Code Setup (Special access) 11-16 : Service Code Setup (Single Digit)
2	**Extension Number**	11-02 : Extension Numbers 11-04 : Virtual Extension Numbers 11-06 : PGD(2)-U10 (ACI) Extension Numbers 11-07 : Department Calling Group Numbers 11-08 : PGD(2)-U10 (ACI) Group Pilot Numbers
3	**Trunk Access Code**	11-09 : Trunk Access Code
4	**Special Trunk Access**	11-09 : Trunk Access Code
5	**Operator Access**	20-17 : Operator's Extension
6	**ARS/F-Route Access**	44-xx

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 through 11-16.)

Default

See the following tables for default settings.

Table 2-2 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, 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	

Table 2-2 System Numbering Default Settings (Continued)

Dial Types: 1=Service Code, 2=Extension Number, 3=Trunk Access, 4=Special Trunk Access, 5=Operator Access, 6=Flexible Routing, 0=Not Used				
Dialed	**Number of Digits Required**		**Dial Type**	
	Default	**New**	**Default**	**New**
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	
4X	0		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	

Table 2-2 System Numbering Default Settings (Continued)

Dialed	Number of Digits Required		Dial Type	
Dial Types: 1=Service Code, 2=Extension Number, 3=Trunk Access, 4=Special Trunk Access, 5=Operator Access, 6=Flexible Routing, 0=Not Used				
	Default	New	Default	New
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	

Table 2-2 System Numbering Default Settings (Continued)

Dial Types: 1=Service Code, 2=Extension Number, 3=Trunk Access, 4=Special Trunk Access, 5=Operator Access, 6=Flexible Routing, 0=Not Used				
Dialed	**Number of Digits Required**		**Dial Type**	
	Default	**New**	**Default**	**New**
7X	3		2	
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	
89	0		0	
80	0		0	
8✱	0		0	
8#	0		0	

Table 2-2 System Numbering Default Settings (Continued)

Dial Types: 1=Service Code, 2=Extension Number, 3=Trunk Access, 4=Special Trunk Access, 5=Operator Access, 6=Flexible Routing, 0=Not Used				
Dialed	**Number of Digits Required**		**Dial Type**	
	Default	**New**	**Default**	**New**
9X	1		3	
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		5	
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	

Table 2-2 System Numbering Default Settings (Continued)

Dialed	Number of Digits Required		Dial Type	
Dial Types: 1=Service Code, 2=Extension Number, 3=Trunk Access, 4=Special Trunk Access, 5=Operator Access, 6=Flexible Routing, 0=Not Used				
	Default	**New**	**Default**	**New**
∗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

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. This lets an employee move to a new location (port) and retain the same extension number.

Input Data

Extension Port Number	001 ~ 256

Item No.	Extension Number	Description
01	Dial (Up to 8 digits)	❍ Set up extension numbers for Multiline telephones, single line telephones (Including SLTII Adapter, APR), and IP telephones. ❍ Extension number assignments cannot be duplicated in Programs 11-02, 11-06, 11-07, and 11-08.

Default

Extension Port Number	Extension Number
1	101
2	102
3	103
∿	∿
99	199
100	3101
∿	∿
256	3257

Conditions
None

Feature Cross Reference

❏   Department Calling

❏   Flexible System Numbering

❏   Intercom

Program 11 : System Numbering
11-04 : Virtual Extension Numbering

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.

Input Data

Virtual Extension Numbers	001~256

Item No.	Virtual Extension Number	Description
01	Dial (up to 8 digits)	Set up Virtual Extension Numbers. The extension number cannot be duplicated in Programs 11-02, 11-06, 11-07 and 11-08.

Default

Virtual Port Number	Extension Number
1	201
2	202
3	203
≀	≀
99	299
100	3301
≀	≀
256	3457

Conditions
None

Feature Cross Reference

❑   Flexible System Numbering

❑   Multiple Directory Numbers / Call Coverage

Program 11 : System Numbering
11-06 : ACI Extension Numbering

Level:
IN

Description

Use **Program 11-06 : ACI Extension Numbering** to define the virtual extension number to be used for the ACI. The extension number can have up to eight digits. The first/second digit(s) of the number should be assigned in Program 11-01.

Input Data

ACI Port Number	01~96

Item No.	ACI Extension Number	Description	Related Program
01	**Dial (up to 8 digits)**	The extension number cannot be duplicated in Programs 11-02, 11-04, 11-07 and 11-08.	10-03 : Basic Configuration for each ETU.

Default

○   ACI Port Numbers have no extension number set.

Conditions
None

Feature Cross Reference

❑   Analog Communications Interface (ACI)

❑   Flexible System Numbering

Program 11 : System Numbering
11-07 : Department Group Pilot Numbers

Level:
IN

Description

Use **Program 11-07 : Department Group Pilot Numbers** to assign pilot numbers 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/second digit(s) of the number should be assigned in Program 11-01 as type 2.

Input Data

Department (Extension) Group Number	01~64

Item No.	Extension Group Pilot Number	Description	Related Program
01	**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, 11-04, 11-06 and 11-08.	❍ 16-01 : Department (Extension) Group Basic Data Setup ❍ 16-02 : Department Group Assignment for Extensions ❍ 16-03 : Secondary Department Group

Default

❍ No Setting

Conditions
None

Feature Cross Reference

❑ Department Calling

❑ Department Step Calling

Program 11 : System Numbering

11-08 : ACI Group Pilot Number

Level:
IN

Description

Use **Program 11-08 : ACI Group Pilot Number** to assign the pilot number to the ACI Groups set in Program 33-02. The pilot number can have up to four digits. The first/second digit(s) of the number should be assigned in Program 11-01 as type 2.

Input Data

ACI Group Number	01~16

Item No.	ACI Group Pilot Number	Description	Related Program
01	**Dial** **(Up to 8 digits)**	The extension number cannot be duplicated in Programs 11-02, 11-04, 11-06 and 11-07.	33-02 33-07

Default

○ No Setting

Conditions
None

Feature Cross Reference

❑   Analog Communications Interface (ACI)

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 (normally 9). The trunk access code can be set from 1 ~ 8 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. 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 3 with the Number of Digits Required set to 1.   If you change the trunk access code in Program 11-09, you must make the corresponding changes in Program 11-01.

Input Data

Item No.	Item	Input Data	Default	Description	Related Program
01	**Trunk Access Code**	Dial (up to 4 digits)	9	Use this program to assign the trunk access code (normally 9). This is the code extension users dial to access Automatic Route Selection.	❍ 11-01 : System Numbering ❍ 14-01 : Trunk Basic Data Setup ❍ 14-05 : Trunk Group ❍ 14-06 : Trunk Group Routing

Input Data

Item No.	Item	Input Data	Default	Description	Related Program
02	**2nd Trunk Route Access Code**	Dial (up to 4 digits)	No Setting	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.	❍ 11-01 : System Numbering ❍ 14-01 : Trunk Basic Data Setup ❍ 14-05 : Trunk Group ❍ 14-06 : Trunk Group Routing ❍ 21-02 : Trunk Group Routing for Extensions ❍ 21-15 : Alternate Trunk Group Routing for Extensions

Conditions

None

Feature Cross Reference

❑   Automatic Route Selection

❑   Central Office Calls, Placing

❑   Trunk Group Routing

Program 11 : System Numbering

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

Level:
IN

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 (01~27).

❑   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	Terminals	Default	Related Program
01	**Night Mode Switching**	MLT, SLT	718	12-xx 20-07-01
02	**--- Not Used ---**			
03	**Setting the System Time**	MLT	728	
04	**Storing Common Speed Dialing Numbers**	MLT	753	
05	**Storing Group Speed Dialing Numbers**	MLT	754	
06	**Setting the Automatic Transfer for Each Trunk Line**	MLT	733	24-04-01
07	**Canceling the Automatic Transfer for Each Trunk Line**	MLT	734	24-04-01
08	**Setting the Destination for Automatic Trunk Transfer**	MLT	735	24-04-01
09	**--- Not Used ---**			
10	**--- Not Used ---**			
11	**--- Not Used ---**			
12	**Night Mode Switching for Other Group**	MLT	618	12-xx 20-07-01

Input Data

Item No.	Item	Terminals	Default	Related Program
13	--- Not Used ---			
14	--- Not Used ---			
15	--- Not Used ---			
16	**Leaving Message Waiting (Requires CPU to be licensed for Hotel/Motel)**	MLT	626	11-11-09
17	**Dial Block by Supervisor**	MLT	601	90-19
18	**Off-Premise Call Forward by Door Box**	MLT	722	13-05
19	--- Not Used ---			
20	**VRS - Record/Erase Message**	MLT	616	20-07-13
21	**VRS - General Message Playback**	MLT	611	20-07-14
22	**VRS - Record or Erase General Message**	MLT	612	20-07-15
23	**SMDR - Extension Accumulated Printout Code**	MLT	621	20-07-18
24	**SMDR - Group Accumulated Printout Code**	MLT	622	20-07-19
25	**Account Code Accumulated Printout Code**	MLT	623	20-07-20
26	**Forced Trunk Disconnect**	MLT, SLT	*3	20-07-11
27	**Trunk Port Disable for Outgoing Calls**	MLT	645	20-07-12
28	--- Not Used ---			
29	--- Not Used ---			
30	**Register DECTPP**		Not Set	
31	**Delete DECTPP**		Not Set	
32	**Set Private Call Refuse**		Not Set	
33	**Entry Caller ID Refuse**		Not Set	
34	**Set Caller ID Refuse**		Not Set	
35	**Dial In Mode Switching**		Not Set	
36	**Change the Guidance Message Number on Voice Mail Auto Attendant**		Not Set	

✎   *MLT = Multiline Terminal*
✎   *SLT = Single Line Telephone*

Conditions
None

Feature Cross Reference

❑   Refer to Input Data chart on the previous pages.

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 (01~58).

❏   The function of the Service Code.

❏   What type of telephones can use the Service Code.

❏   The default entry. For example, dialing 725 (item 18) allows users to turn on or turn off Background Music.

Input Data

Item No.	Item	Terminals	Default	Related Program
01	**Call Forward - All**	MLT, SLT	741	
02	**Call Forward - Busy**	MLT, SLT	742	
03	**Call Forward - No Answer**	MLT, SLT	743	
04	**Call Forward - Busy/No Answer**	MLT, SLT	744	
05	**Call Forward - Both Ring**	MLT, SLT	745	
06	**--- Not Used ---**			
07	**Call Forwarding - Follow-Me**	MLT, SLT	746	
08	**Do Not Disturb**	MLT, SLT	747	
09	**Answer Message Waiting**	MLT, SLT	*0	11-10-16
10	**Cancel All Messages Waiting**	MLT, SLT	773	
11	**Cancel Message Waiting**	MLT, SLT	771	
12	**Alarm Clock**	MLT, SLT	727	20-01-06
13	**Display Language Selection for Keyset**	MLT	678	15-02

Input Data

Item No.	Item	Terminals	Default	Related Program
14	**Text Message Setting**	MLT		
15	**Enable Handsfree Incoming Intercom Calls**	MLT	721	20-09-05 20-02-12
16	**Force Ringing of Incoming Intercom Calls**	MLT	723	20-09-05 20-02-12
17	**Programmable Function Key Programming (Dialing 751 Service Code)**	MLT	751	15-07 11-11-38
18	**BGM On/Off**	MLT	725	
19	**Key Touch Tone On/Off**	MLT	724	
20	**Change Incoming CO and ICM Ring Tones**	MLT	720	15-02
21	**Check Incoming Ring Tones**	MLT	711	
22	**Extension Name Programming**	MLT	700	15-01
23	**Second Call for DID/DISA/DIL**	MLT	679	
24	**Change Station Class of Service** Allows an extension user to change the COS of another extension. Must be allowed in Program 20-13-28.	MLT	677	20-13-28
25	**Automatic Transfer Setup for Each Extension Group**	MLT, SLT	602	20-11-17 24-05
26	**Automatic Transfer Cancellation for Each Extension Group**	MLT, SLT	603	
27	**Destination of Automatic Transfer Each Extension Group**	MLT	604	20-11-17 24-05
28	**Delayed Transfer for Every Extension Group**	MLT, SLT	605	20-11-17 24-05 24-02-08
29	**Delayed Transfer Cancellation for Each Extension Group**	MLT, SLT	606	20-11-17
30	**DND Setup for Each Extension Group**	MLT, SLT	607	
31	**DND Cancellation for Each Extension Group**	MLT, SLT	608	
32	**--- Not Used ---**			
33	**Dial Block**	MLT, SLT	600	
34	**Temporary Toll Restriction Override**	MLT, SLT	775	21-07
35	**Pilot Group Withdrawing**	MLT, SLT	650	
36	**Toll Restriction Override**	MLT, SLT	663	21-14

Input Data

Item No.	Item	Terminals	Default	Related Program
37	**Ring Volume Set**	MLT	729	
38	**Programmable Function Key Programming (Dialing 852 Service Code)**	MLT	752	15-07 11-11-17
39	**Station Speed Dial Number Entry**	MLT	755	
40	**--- Not Used ---**			
41	**Tandem Ringing**	MLT, SLT		15-07 30-03
42	**Electra Elite IPK II Wireless Transferring When Out of Range** Customize the service code to be used when setting a Electra Elite IPK II Wireless telephone to transfer calls when out of range.	Electra Elite IPK II Wireless	689	
43	**Headset Mode Switching**	MLT, SLT	688	
44	**Auto Attendant**	MLT		
45	**Set/Cancel Call Forward All (Split)**	MLT, SLT		
46	**Set/Cancel Call Forward Busy (Split)**	MLT, SLT		
47	**Set/Cancel Call Forward No Answer (Split)**	MLT, SLT		
48	**Set/Cancel Call Forward Busy No Answer (Split)**	MLT, SLT		
49	**Set/Cancel Call Forward Both Ring (Split)**	MLT, SLT		
50	**Set Message Waiting Indication**	MLT, SLT	Up to 8 digits	
51	**Cancel Message Waiting Indication**	MLT, SLT	Up to 8 digits	
52	**Set/Cancel Call Forward All Destination (No Split)**	MLT, SLT	790	
53	**Set/Cancel Call Forward Busy Destination (No Split)**	MLT, SLT	791	
54	**Set/Cancel Call Forward No Answer Destination (No Split)**	MLT, SLT	792	
55	**Call Forward Busy No Answer Destination (No Split)**	MLT, SLT	793	
56	**--- Not Used ---**			
57	**Set Do Not Call Table**		No Setting	
58	**Call Forward with Personal Greeting**	MLT, SLT	713	

✎   *MLT = Multiline Terminal*
✎   *SLT = Single Line Telephone*

Conditions
None

Feature Cross Reference

❑   Refer to the Input Data chart above.

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 11-13 through 11-16.

The following chart shows:

❑   The number of each code (01~59).

❑   The function of the Service Code.

❑   The type of telephones that can use the Service Code.

❑   The default entry. For example, dialing 705 (code 05) cancels a previously set Camp-On.

❑   Programs that may be affected with the changing the code.

✎   *If you change a Service Code, be sure to record your entry in the New column.*

Input Data

Item No.	Item	Terminals	Default	New	Related Program
01	**Bypass Call** 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.	MLT, SLT	707		11-16-09
02	**Conference**	MLT, SLT	#1		
03	**Override (Off-Hook Signaling)**	MLT, SLT	709		
04	**Set Camp-On**	MLT, SLT	750		
05	**Cancel Camp-On**	MLT, SLT	770		
06	**Switching of Voice Call and Signal Call**	MLT, SLT	712		
07	**Step Call**	MLT, SLT	708		
08	**Barge-In**	MLT, SLT	710		

Input Data (Continued)

Item No.	Item	Terminals	Default	New	Related Program
09	**Change to STG (Department Group) All Ring**	MLT, SLT	-		16-02
10	**Station Speed Dialing**	MLT, SLT	#2		
11	**Group Speed Dialing**	MLT, SLT	#4		
12	**Last Number Dial**	MLT, SLT	#5		
13	**Saved Number Dial**	MLT, SLT	715		
14	**Trunk Group Access**	MLT, SLT	704		
15	**Specified Trunk Access**	MLT, SLT	#9		
16	**Trunk Access Via Networking**	MLT	-		
17	**Clear Last Number Dialing Data**	MLT, SLT	776		
18	**Clear Saved Number Dialing Data**	MLT, SLT	785		
19	**Internal Group Paging**	MLT, SLT	701		31-01-01
20	**External Paging**	MLT, SLT	703		
21	**Meet-Me Answer to Specified Internal Paging Group**	MLT, SLT	764		
22	**Meet-Me Answer to External Paging**	MLT, SLT	765		
23	**Meet-Me Answer in Same Paging Group**	MLT, SLT	763		
24	**Combined Paging**	MLT, SLT	*1		31-07
25	**Direct Call Pickup - Own Group**	MLT, SLT	756		
26	**Call Pickup for Specified Group**	MLT, SLT	768		
27	**Call Pickup**	MLT, SLT	* #		
28	**Call Pickup for Another Group**	MLT, SLT	769		
29	**Direct Extension Call Pickup**	MLT, SLT	* *		
30	**Specified Trunk Answer**	MLT, SLT	672		
31	**Park Hold**	MLT, SLT	#6		24-03
32	**Answer for Park Hold**	MLT, SLT	*6		24-03
33	**Group Hold**	MLT, SLT	732		
34	**Answer for Group Hold**	MLT, SLT	762		
35	**Station Park Hold**	MLT, SLT	757		
36	**Door Box Access**	MLT, SLT	702		

Input Data (Continued)

Item No.	Item	Terminals	Default	New	Related Program
37	**Common Canceling Service Code**	MLT, SLT	620		
38	**General Purpose Indication**	MLT	783		
39	**--- Not Used ---**				
40	**Station Speed Dialing**	MLT, SLT	#7		
41	**Voice Over**	MLT	690		11-16-08
42	**Flash on Trunk lines**	SLT	#3		
43	**Answer No-Ring Line (Universal Answer)**	SLT	#0		14-05 14-06
44	**Callback Test for SLT**	SLT	799		
45	**Enabled On Hook When Holding (SLT)**	SLT	749		15-03-07
46	**Answer On Hook When Holding (SLT)**	SLT	759		15-03-08
47	**Call Waiting Answer / Split Answer** Splitting (switching) between calls	MLT,SLT	794		11-12-03
48	**Account Code**	SLT	# #		
49	**--- Not Used ---**				
50	**General Purpose Relay**	MLT	780		
51	**VM Access (In-Mail and VMS)**	MLT, SLT	*8		
52	**Live Monitoring (In-Mail)**	MLT			
53	**Live Recording at SLT**	SLT	654		
54	**VRS Routing for ANI/DNIS** 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		
55	**--- Not Used ---**				
56	**E911 Alarm Shut Off** Enter the Service Code that an extension user can dial to shut off the E911 Alarm Ring.	MLT, SLT	786	-	20-08-16 21-01-13
57	**Tandem Trunking**	MLT, SLT	#8		
58	**Transfer Into Conference** Assign the Service Code users dial to Transfer a call to a Conference call.	MLT, SLT	624		20-13-10 20-13-15 20-13-16

Input Data (Continued)

Item No.	Item	Terminals	Default	New	Related Program
59	**Trunk Drop Operation for SLT**	SLT			

✎   *MLT = Multiline Terminal*

✎   *SLT = Single Line Telephone*

Conditions

None

Feature Cross Reference

❑   Refer to the Input Data chart on the previous pages.

Program 11 : System Numbering
11-13 : Service Code Setup (for ACD)

Level:
IN

Description

Use **Program 11-13 : Service Code Setup (for ACD)** to customize the Service Codes which are used with the Automatic Call Distribution (ACD) feature. You can customize additional Service Codes in Programs 11-10 through 11-12 and 11-14 ~ 11-16. The following chart shows:

❑ The number of each code (01~13).

❑ The function of the Service Code.

❑ The type of telephones that can use the Service Code.

❑ The default entry.

✎ *If you change a Service Code, be sure to record your entry in the New column.*

Input Data

Item No.	Item	Terminals	Default	New
01	**ACD Log In / Log Out (for KTS)**	MLT, SLT	✱ 5	
02	**ACD Log Out (for SLT)**	SLT	655	
03	**Set ACD Wrap-Up Time (for SLT)**	SLT	656	
04	**Cancel ACD Wrap-Up Time (for SLT)**	SLT	657	
05	**Set ACD Off Duty (for SLT)**	SLT	658	
06	**Cancel ACD Off Duty (for SLT)**	SLT	659	
07	**--- Not Used ---**			
08	**Agent ID Code Login** Allows an AIC Agent to log into a group.	MLT	No Setting	
09	**Agent ID Code Logout** Allows an AIC Agent to log out of a group.	MLT	No Setting	
10	**ACD Agent Login by Supervisor** Allows an ACD Supervisor to log into a group.	MLT	667	

Input Data

Item No.	Item	Terminals	Default	New
11	**ACD Agent Logout by Supervisor** Allows an ACD Supervisor to log out of a group.	MLT	668	
12	**Change Agent ACD Group by Supervisor** When using service code 169 to change an agent ACD group, the supervisor must enter a 2-digit number for the group. For example, to change to ACD group 4, the entry would be 169 04.	MLT	669	
13	**ACD Agent Changing Own ACD Group** Using this service code, an ACD Agent can reassign themselves to another ACD Group.	MLT	670	

✎   *MLT = Multiline Terminal*
✎   *SLT = Single Line Telephone*

Conditions
None

Feature Cross Reference

❑   Automatic Call Distribution (ACD)

Program 11 : System Numbering
11-14 : Service Code Setup (for Hotel)

Level:
IN

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 through 11-13, 11-15 and 11-16. The Service Codes can only be used at telephones registered as hotel terminals in Program 42-02.

The following chart shows:

❑   The number of each code (01~18).

❑   The function of the Service Code.

❑   The type of telephones that can use the Service Code.

❑   The default entry.

✎   *If you change a Service Code, be sure to record your entry in the New column.*

Input Data

Item No.	Item	Terminals	Default
01	**Set DND for Own Extension**	MLT, SLT	627
02	**Cancel DND for Own Extension**	MLT, SLT	628
03	**Set DND for Other Extension**	MLT, SLT	629
04	**Cancel DND for Other Extension**	MLT, SLT	630
05	**Set Wake Up Call for Own Extension**	MLT, SLT	631
06	**Cancel Wake Up Call for Own Extension**	MLT, SLT	632
07	**Set Wake Up Call for Other Extension**	MLT, SLT	633
08	**Cancel Wake Up Call for Other Extension**	MLT, SLT	634
09	**Set Room to Room Call Restriction**	MLT, SLT	635
10	**Cancel Room to Room Call Restriction (Hotel)**	MLT, SLT	636
11	**Change Toll Restriction Class for Other Extension**	MLT, SLT	637
12	**Check-In**	MLT, SLT	638

Input Data

Item No.	Item	Terminals	Default
13	**Check-Out**	MLT, SLT	639
14	**Room Status Change for Own Extension**	MLT, SLT	640
15	**Room Status Change for Other Extension**	MLT, SLT	641
16	**Room Status Output**	MLT, SLT	642
17	**Hotel Room Monitor**	MLT, SLT	675
18	**---Not Used ---**		

✎   *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

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 (01~11)

❑ 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.

✎ *If you change a Service Code, be sure to record your entry in the New column.*

Input Data

Item No.	Item	Terminals	Default	New	Related Program
01	**Remote Maintenance**		730		
02	**ACD Access in Dial-In Conversion Table**		760		22-04 22-11
03	**Backup Data Save** This option will save the user's soft key settings (extension's programmed Call Forwards, DND, etc.). It is recommended to use this feature before upgrading the system software.	MLT	# * # 9		
04	--- Not Used ---				
05	**System Programming Mode, Log-On**	MLT	# * # *		11-01
06	**Wake on LAN to APSU Unit**	MLT	No Setting		10-22
07	--- Not Used ---				

Input Data

Item No.	Item	Terminals	Default	New	Related Program
08	**--- Not Used ---**				
09	**Transfer to Incoming Ring Group**		No Setting		
10	**--- Not Used ---**				
11	**Ethernet Port Reset**	MLT, SLT			
12	**Extension Data Swap**	MLT, SLT			
13	**--- Not Used ---**				
14	**Modem Access**	MLT, SLT	740		

✎   *MLT = Multiline Terminal*

✎   *SLT = Single Line Telephone*

Conditions

None

Feature Cross Reference

❑   Hotel/Motel

Program 11 : System Numbering
11-16 : Single Digit Service Code Setup

Level:
IN

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 through 11-15.

The following chart shows:

❑ The number of each code (01~11).

❑ The function of the Service Code.

❑ The type of telephones that can use the Service Code.

❑ The default entry. For example, dialing 1 (code 03) when calling an extension will switch 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.

✎ *If you change a Service Code, be sure to record your entry in the New column.*

Input Data

Item No.	Item	Default	New	Related Program
01	**Step Call**	2		11-12-07
02	**Barge In**	No Setting		11-12-08
03	**Switching of Voice/Signal Call**	1		11-12-06
04	**Intercom Off-Hook Signaling**	✳		11-12-03
05	**Camp-On**	#		11-12-04
06	**DND/Call Forward Override Bypass**	No Setting		11-12-01
07	**Message Waiting**	0		11-12-09
08	**Voice Over**	6		11-12-41
09	**Access to Voice Mail**	8		11-12-51
10	**(Department) STG All Ring Mode**	No Setting		11-12-09 16-01-05
11	**Station Park Hold**	No Setting		11-12-35

Conditions
None

Feature Cross Reference

❑   Refer to the Input Data chart on previous pages.

Program 11 : System Numbering
11-17 : ACD Group Pilot Number

Level:
IN

Description

Use **Program 11-17 : ACD Group Pilot Number** to assign the ACD Master Number for each ACD Group. This is the number users dial to transfer calls to the ACD Group. Normally, you should use unassigned extension numbers (e.g., 500) for the master number. If you want to use an extension number which, by default, has a port number assigned (for example: in the 101~199, 3101~3257), first remove the default assignment. For example, to use extension number 125 as an ACD Master Number, first give extension port 025 a different extension assignment.

Input Data

ACD Group Number	01~64

Item No.	ACD Group Pilot Number
01	Dial (Up to 8 digits)

Default

○   No ACD Group Pilot Numbers assigned to any ACD Group (1~64).

Conditions
None

Feature Cross Reference

❑   Automatic Call Distribution (ACD)

❑   Multiple Directory Numbers/Call Coverage Keys

Program 12 : Night Mode Setup

12-01 : Night Mode Function Setup

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	Default	Description	Related Program
01	**Manual Night Mode Switching**	0 = Off 1 = On	1	Allows/prevents users from activating Night Service by dialing a service code.	11-10-01
02	**Automatic Night Mode Switching**	0 = Off 1 = On	0	According to a preset schedule, enable or disable Automatic Night Service for the system.	12-02 12-03 12-04
03	**--- Not Used ---**				

✎ *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 : Night Mode Setup
12-02 : Automatic Night Service

**Level:
SA**

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	01~32

Time Pattern Number	01~10

Set Time Number	01~20

Item	Description	Input Data
01	Start Time	0000~2359
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

0:00 | 0:00
Mode 2
(night)

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

Default

All groups, all patterns : 00:00 to 00:00 = Mode 1

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

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

Description

Use **Program 12-03 : Weekly Night Service Switching** to define a weekly schedule of night-switch settings.

Input Data

Night Mode Service Group Number	01~32

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	01~32

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 : Night Mode Setup
12-05 : Night Mode Group Assignment for Extensions

Level:
IN

Description

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

Input Data

Extension Number	Maximum: 8 Digits

Item No.	Night Mode Service Group Number	Default
01	01~32	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	001~200

Item No.	Night Mode Service Group Number	Default
01	01~32	1

Conditions
None

Feature Cross Reference

❑   Night Service

Program 12 : Night Mode Setup
12-07 : Text Data for Night Mode

Level:
IN

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	01~32

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 = <Midnight>

❍   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:
IN

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	01~32

Item No.	Range
01	0 ~ 9 (default = 2)

Example:

When Program 12-08 is set to 3 and the Mode Key is pressed (SC 751, 09 +0), 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 13 : Abbreviated Dialing

13-01 : Speed Dialing Option Setup

Level:
SA

Program

13

Description

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

Input Data

Item No.	Item	Input Data	Default	Related Program
01	**Speed Dialing Auto Outgoing Call Mode**	0 = Trunk Outgoing Mode 1 = Intercom Outgoing Mode	0	13-05
02	**--- Not Used ---**			
03	**Number of Common Speed Dialing Bins**	0~2000 0 = No Common Speed Dialing 100 bins per 1 unit	1000	13-04

Conditions
None

Feature Cross Reference

❑ Speed Dial - System/Group/Station

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	01~64	0~1990	0, 9~1999

Default

○   No Setting

Conditions
None

Feature Cross Reference

❏   Speed Dial - System/Group/Station

Program 13 : Abbreviated Dialing
13-03 : Speed Dialing Group Assignment for Extensions

Level:
IN

Description

Use **Program 13-03 : Speed Dialing Group Assignment for Extensions** to assign Speed Dialing Group for each extension. There are 64 available Speed Dialing groups.

Input Data

Extension Number	Up to 8 digits

Item No.	Group Number	Default Value
01	01~64	1

Conditions
None

Feature Cross Reference

❏   Speed Dial - System/Group/Station

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	0~1999

Item No.	Item	Input Data	Default	Related Program
01	**Speed Dialing Data**	1~9, 0, ✱, #, **P**ause (Press line key 1), **R**ecall/Flash (Press line key 2), **@** = Additional Digit for ISDN Functionality (Press line key 3) (max. 24 digits)	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)	0	
04	**Transfer Destination Number**	If Transfer mode is (Refer to 13-04-03): 1 = Internal Dial Mode 1~9, 0, ✱, #, P, R, @ (Maximum 24 Characters) 2 = Incoming Ring Group 0 ~ 100 (IRG Number) P=Pause R=Recall @= Additional Digits when using ISDN functionality	No Setting	13-04-03

Item No.	Item	Input Data	Default	Related Program
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

Conditions

None

Feature Cross Reference

❑   Speed Dial - System/Group/Station

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	0~1999

Item No.	Trunk Group Number
01	0~100

Default

○   No Setting

Conditions
None

Feature Cross Reference

❑   Speed Dial - System/Group/Station

Program 14 : Trunk, Basic Setup

14-01 : Basic Trunk Data Setup

Level:
IN

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	001~200

Item No.	Item	Input Data	Default	Related Program
01	**Trunk Name** Set the names for trunks. The trunk name displays at the display of a multiline terminal for incoming and outgoing calls.	Up to 12 Characters	Line 001 Line 002 Line 003 : Line 200	
02	**Transmit Level** Use this option to select the CODEC gain for the trunk. The option sets the amount of gain (signal amplification) for the trunk you are programming.	1~63 (-15.5 ~ +15.5dB in 0.5dB intervals)	32 (0dB)	
03	**Receive Level** Use this option to select the CODEC gain for the trunk. The option sets the amount of gain (signal amplification) for the trunk you are programming.	1~63 (-15.5 ~ +15.5dB in 0.5dB intervals)	32 (0dB)	

Item No.	Item	Input Data	Default	Related Program
04	**Transmit Gain Level for Conference and Transfer Calls** Use this option to select the CODEC gain type used by the trunk when it is part of an Unsupervised Conference.	1~63 (-15.5 ~ +15.5dB in 0.5dB intervals)	22 (-5dB)	
05	**Receive Gain Level for Conference and Transfer Calls** Use this option to select the CODEC gain type used by the trunk when it is part of an Unsupervised Conference.	1~63 (-15.5 ~ +15.5dB in 0.5dB intervals)	22 (-5dB)	
06	**SMDR Print Out** Use this option to have the system include/exclude the trunk you are programming from the SMDR printout. Refer to Program 35-01 and 35-02 for SMDR printout options.	0 = No Print Out 1 = Prints Out	0	35-01 35-02
07	**Outgoing Calls** Use this option to allow/prevent outgoing calls on the trunk you are programming.	0 = Deny (No) 1 = Allow (Yes)	1	
08	**Toll Restriction** Use this option to enable/disabled Toll Restriction for the trunk. If enabled, the trunk follows Toll Restriction programming (ex: Programs 21-05, 21-06). If disabled, the trunk is a toll free line.	0 = Restriction Disabled (No) 1 = Restriction Enabled (Yes)	1	21-04 21-05 21-06

Item No.	Item	Input Data	Default	Related Program
09	**Private Line**	0 = Disable Private Line (Normal) 1 = Enable Private Line (Private Line)	0	
10	**DTMF Tones for Outgoing Calls** Use this option to enable (1) or disable (0) DTMF tones for outgoing trunk calls.	0 = Disable (No) 1 = Enable (Yes)	0	
11	**Account Code Required**	0 = Disable (No) 1 = Enable (Yes)	1	
12	**--- Not Used ---**			
13	**Trunk-to-Trunk Transfer** 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.	0 = Disable (No) 1 = Enable (Yes)	1	
14	**Long Conversation Cutoff** Use this option to enable or disable the Long Conversation Cutoff feature for each trunk.	0 = Disable (No) 1 = Enable (Yes)	0	20-21-03 20-21-04
15	**Long Conversation Alarm Before Cutoff** Use this option to enable or disable the Long Conversation Alarm for each trunk.	0 = Disable (No) 1 = Enable (Yes)	0	20-21-01 20-21-02

Item No.	Item	Input Data	Default	Related Program
16	**Forced Release of Held Call** 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 = Disable (No) 1 = Enable (Yes)	0	24-01-01 24-01-05
17	**Trunk to Trunk Warning Tone for Long Conversation Alarm** Use this option to enable or disable the Warning Tone for Long Conversation feature for DISA callers.	0 = Disable (No) 1 = Enable (Yes)	0	
18	**Warning Beep Tone Signaling**	0 = Disable (No) 1 = Enable (Yes)	0	
19	**Privacy Mode Toggle Option** 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 = Disable (No) 1 = Enable (Yes)	0	

Item No.	Item	Input Data	Default	Related Program
20	**Block Outgoing Caller ID** 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 = Disable (No) 1 = Enable (Yes)	0	14-01-21
21	**Caller ID Block Code** 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'.	Dial (up to 8 digits)	✱67	14-01-20
22	**Caller ID to Voice Mail** Enable or disable the system ability to send the Caller ID digits (Remote Log-On Protocol) to voice mail.	0 = Disable (No) 1 = Enable (Yes)	0	
23	**LCR** -- *Not Used in U.S.* --	0 = LCR Off (Service Off) 1 = LCR On (Service On) 2 = Cost Center Only	0	
24	**Trunk-to-Trunk Outgoing Caller ID through Mode**	0 = Disable (No) 1 = Enable (Yes)	0	
25	**Continued/ Discontinued Trunk-to-Trunk Conversation**	0 = Disable (No) 1 = Enable (Yes)	0	
26	**Automatic Trunk-to-Trunk Transfer Mode**	0 = Normal Transfer (Normal) 1 = Step Transfer (Step)	0	

Item No.	Item	Input Data	Default	Related Program
27	**Caller ID Refuse Setup**	0 = Disable (No) 1 = Enable (Yes)	0	
28	**Effectivity of "Conversation Recording Destination for Extension"**	0 = No Effect (No) 1 = Available (Yes)	1	

Default

Trunk Port Number	Name
001	LINE 001
002	LINE 002
:	:
200	LINE 200

Conditions

None

Feature Cross Reference

❑   Refer to features in the Input Data table.

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 chart below for a description of each option, its range and default setting.

Input Data

Trunk Port Number	001~200

Item No.	Item	Input Data	Default	Related Program
01	**Signaling Type (DP/DTMF)** This option sets the signaling type for the trunk.	0 = Dial Pulse (10 PPS) 1 = Dial Pulse (20 PPS) 2 = DTMF	2	
02	**Ring Detect Type** 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.	0 = Normal/delayed 1 = Immediate Ringing	1	
03	**Flash Type** This option selects the flash type (open loop flash or ground). Always set this option for open loop flash.	0 = Open Loop Flash 1 = Ground	0	
04	**Hooking Type** 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 = Timed Flash (Hooking) 1 = Disconnect (Cut)	0	81-10-07 81-10-08
05	**Dial Tone Detection for Manual Accessed Trunks** 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 = Dial Tone Detection Not Used 1 = Dial Tone Detection Used		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

Item No.	Item	Input Data	Default	Related Program
07	**DP to DTMF Conversion Options** 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 3 conversion options: Automatic (0), Automatic and Manual (1), or Manual (2). *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:* User can dial # to switch a DP trunk to DTMF dialing	0 = Automatic 1 = Automatic and Manual 2 = Manual	2	21-01-03
08	**Answering Condition**	0 = Polarity Reversing (Polarity) 1 = Polarity Reversing on Timer (Int Digit)	1	21-01-03
09	**Busy Tone Detection**	0 = Disable (No) 1 = Enable (Yes)	0	
10	**Caller ID** Enable or disable a trunk to receive Caller ID information.	0 = No 1 = Yes	0	
11	**Next Trunk in Rotary if No Dial Tone** 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 = Disable (No) 1 = Enable (Yes)	0	
12	**Detect Network Disconnect Signal**	0 = Disable (No) 1 = Enable (Yes)	1	
13	**Trunk-to-Trunk Limitation**	0 = Disable (No) 1 = Enable (Yes)	0	

Item No.	Item	Input Data	Default	Related Program
14	**Loop Start/Ground Start**	0 = Loop Start (Loop) 1 = Ground Start (Ground)	0	
15	**--- Not Used ---**			
16	**Caller ID Type**	0 = FSK 1 = DTMF	0	
17	**Sync. Ringing** Use this to specify whether or not CO/ PBX calls follow Synchronous Ringing. ✎ *Synchronous Ringing does not apply to incoming DID calls, off-hook ringing calls, or CO/ PBX ring transfer calls.*	0 = Disable 1 = Enable	1	

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 of the modes.

Input Data

Trunk Port Number	1~200

Item No.	Day/Night Mode	Type of Connection	Default	Related Program
01	1~8	0 = Stand Alone (Trunk) 1 = Behind PBX (PBX)	0	22-02

Conditions
None

Feature Cross Reference

❏   Central Office Calls, Placing

Program 14 : Trunk, Basic Setup
14-05 : Trunk Group

Level:
IN

Description

Use **Program 14-05 : Trunk Groups** 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	001~200

Item No.	Trunk Group Number	Order Number
01	0~100	1~200

Default

Trunk Port	Group	Priority
1	1	1
:	:	:
200	1	200

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 users 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 100 routing tables for trunk access. Each table has four priority orders for trunk access. There are 100 available Trunk Group Numbers.

Example for setting:

With less than 4 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 4 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	001~100

Item No.	Priority Order Number	Input Data	Related Program
01	1~4	0 = Not Specify 1-8 or 001~100 : (Trunk Group Number) 1001~1100 : (1000 + Route Table Number)	14-01-07 14-05 15-01-02 21-02

Default

❍   Route 1, Order Number 1 = 1 (Trunk Group 1).

❍   Order Numbers 2, 3, 4 = 0 (Not Specified).

❍   All Other Routes (2~100) and Order Numbers (1-4) = 0 (Not Specified).

Conditions
None

Feature Cross Reference

None

Program 14 : Trunk, Basic Setup
14-07 : Trunk Access Map Setup

Level:
IN

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 only place outgoing calls on trunks to which it has outgoing access. There are 200 Access Maps with all 200 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.

Input Data

Access Map Number	001~200

Item No.	Trunk Port Number	Input Data
01	001~200	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 1 = Trunk Ports 1~200 assigned with option 7 access (incoming and outgoing access and access when trunk is on Hold).

○ Access Maps 2~200 - Trunk Ports 1~200 assigned with option 0 access (no access).

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 either the ACI or COI port.

✎ *If ACI is selected as the source in Item 1, the port number for the source must be selected in Item 2.*

Input Data

Trunk Port Number	001~200

Item No.	Item	Input Data	Default
01	**MOH Type** Select a Music on Hold source for the trunk.	0 = Internal synthesized/external MOH 1 = A customer-provided source connected to BGM port 2 = A customer-provided source connected to ACI port	0
02	**Source Port Number**	If the MOH Type is 2, the source port number is 0- 96.	0

Conditions
None

Feature Cross Reference

❑   Music on Hold

Program 14 : Trunk, Basic Setup

14-09 : Conversation Recording Destination for Trunks

Level:
IN

Description

Use **Program 14-09 : Conversation Recording Destination for Trunks** to set the ACI 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	001~200

Item No.	Item	Input Data	Default
01	**ACI Recording Destination Extension Number** Enter the ACI extension number where the trunk calls should be recorded.	Maximum 8 digits	No Setting
02	**ACI Automatic Recording for Incoming Calls** Determine if incoming trunk calls should be automatically recorded in the ACI.	0 = Off 1 = On	0
03	**--- Not Used ---**		
04	**--- Not Used ---**		

Conditions
None

Feature Cross Reference

❑   Analog Communications Interface (ACI)

Program 14 : Trunk, Basic Setup
14-12 : SIP Register ID Setup for IP Trunk

Level:
IN

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	001~200

Item No.	Item	Input Data	Default
01	**Register ID** **Requires Version 1500 or higher**	0 ~ 31	0
02	**Pilot Register ID** **Requires Version 1500 or higher**	0 ~ 31	0

Conditions
None

Feature Cross Reference

❑   None

Program 14 : Trunk, Basic Setup
14-13 : CCIS System Route ID

Level:
IN

Description

Use **Program 14-13 : CCIS System Route ID** to define the CCIS route ID to the trunk group used for K-CCIS.

Input Data

Trunk Group Number	001~100

Item No.	Trunk Group Number	Input Data	Default
01	001~100	0 = Not Assigned 1 ~ 8 = CCIS Route IDs ✎ *CCIS Route IDs 5~ 8 are for future use and should not be used.*	14-05-01 50-02-01 50-02-02 50-02-03 50-02-04 50-02-05 50-02-06

Default Settings

❍ Not Assigned

Conditions
None

Feature Cross Reference

Key-Common Channel Interoffice Signaling (K-CCIS)

Program 14 : Trunk, Basic Setup
14-14 : CCIS Trunk CIC Assignment

Level:
IN

Description

Use **Program 14-14 : CCIS Trunk CIC Assignment** to define the CIC (Circuit Identifier Code) to each voice channel (trunk port) used for K-CCIS.

Input Data

Trunk Group Number	001 ~ 200

Item No.	Trunk Group Number	Input Data		Default
01	001~200	0　　　　=	Not Assigned	14-05-01
		1 ~ 127 =	CIC Numbers	

Default Settings

❍　Not Assigned

Conditions

❍　CIC Numbers must be assigned consecutively for K-CCIS to operate correctly.

❍　The D-Channel trunk port should not have a CIC assignment.

Feature Cross Reference

❑　　　Key-Common Channel Interoffice Signaling (K-CCIS)

Program 15 : Extension, Basic Setup

15-01 : Basic Extension Data Setup

Level:
SA

Program

15

Description

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

✎ *The item numbers indicated below are different when using PCPro/WebPro. Refer to the program within the PCPro/WebPro application to determine the correct item number.*

Input Data

Extension Number	Maximum 8 digits

Item No.	Item	Input Data	Default	Related Program
01	**Extension Name** Define the extension/virtual extension name.	Up to 12 Characters	STA 101 = Ext 101 STA 102 = Ext 102 etc.	
02	**Outgoing Trunk Line Preference** Use this option to set the extension's outgoing Trunk Line Preference. If enabled, the extension user 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 = Off 1 = On	0	14-06 21-02
03	**SMDR Printout** Use this option to include or exclude the extension in the SMDR report.	0 = Do not print on SMDR report 1 = Include on SMDR report	1	

Item No.	Item	Input Data	Default	Related Program
04	**ISDN Caller ID** 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.	0 = Disable 1 = Enable	1	10-03-05
05	**Restriction for Outgoing Disable on Incoming Line** Enable or disable supervised dial detection for an extension.	0 = No 1 = Yes	0	21-01-15 21-01-16 21-01-17
06	**--- Not Used ---**			
07	**Do-Not-Call**	0 = Off 1 = On	0	21-01-19

Conditions

None

Feature Cross Reference

❑   None

Program 15 : Extension, Basic Setup
15-02 : Multiline Telephone Basic Data Setup

Level:
IN

Description

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

Input Data

Extension Number	Maximum 8 digits

Item No.	Item	Input Data	Default	Related Program
01	**Display Language Selection** (To select options 8~10, press either 8 or Recall, then press line keys 1~3. Key 1 is option 8, Key 2 is option 9, and Key 3 is option 10.)	0 = Japanese 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	1	11-11-13
02	**Trunk Ring Tone** Use this option to set the tone (pitch) of the incoming trunk ring for the extension port you are programming. ✎ *DTU/DTP style telephones will only follow high, medium and low range ring tone settings. They will not follow Melodies.*	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	2	22-03

Item No.	Item	Input Data	Default	Related Program
03	**Extension Ring Tone** Use this option to set the tone (pitch) of the incoming extension call ring for the extension port you are programming. Also see program 15-08. ✎ *DTU/DTP style telephones will only follow high, medium and low range ring tone settings. They will not follow Melodies.*	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	8	
04	**Redial (Speed Dial) Control** 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 or Group Speed Dialing numbers.	0 = Common and Individual Speed Dialing 1 = Group Speed Dialing	0	
05	**Transfer Key Operation Mode** Use this option to set the operating mode of the extension CONF 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 = Transfer 1 = Call back 2 = Hook	0	
06	**Hold Key Operating Mode** Use this option to set the function of the Multiline Hold key. The Hold key can activate normal Hold or Exclusive Hold.	0 = Normal (Common) 1 = Exclusive Hold	0	
07	**Automatic Hold for CO Lines**	0 = Hold 1 = Disconnect (Cut)	1	
08	**Automatic Handsfree** Use this option to set whether pressing a key accesses a One-Touch Key or if it pre-selects the key.	0 = Pre-select 1 = One-Touch (Automatic Handsfree)	1	
09	**--- Not Used ---**			
10	**Ringing Line Preference for Trunk Calls** Use this option to select between Idle and Ringing Line Preference for trunk calls.	0 = Idle (Off) 1 = Ringing (On)	1	

Item No.	Item	Input Data	Default	Related Program
11	**Callback Automatic Answer** Use this option to enable or disable automatic answer for Callback. If enabled, extension automatically answers Callback ring when user lifts the handset. If disabled, user must press line appearance key to answer Callback.	0 = Off 1 = On	1	
12	**Off-Hook Ringing** Use this option to set the keyset Off-Hook signaling. Off-hook signaling occurs when a keyset 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.	0 = Muted Off-Hook Ringing 1 = No Off-Hook Ringing 2 = Not Used 3 = Beep in Speaker (SP) 4 = Beep in Handset (HS) 5 = SPHS Beep	5	
13	**Redial List Mode** Select whether the Redial List feature should store internal and external numbers (0), or only external numbers (1).	0 = ICM/Trunk (Extension/Trunk Mode) 1 = Trunk Mode	1	
14	**--- Not Used ---**		-	
15	**Storage of Caller-ID for answered call**	0 = Disable (Off) 1 = Enable (On)	1	
16	**Handsfree Operation** Enable or disable an extension ability to use the speakerphone on **outside** calls. When disabled, users can hear the conversation, but cannot respond handsfree.	0 = Disable (Off) 1 = Enable (On)	1	
17	**--- Not Used ---**		-	
18	**Power-Saving Mode**	0 = Normal mode 1 = Power-Saving Mode (Eco-Mode)	1	
19	**CTA Data Communication Mode** Select 0 if the dip switch settings on the CTA Adapter are set to PC connection (1=on, 2~8=off) or select 1 if the dip switches are set to printer connection (1~2=on, 3~8=off).	0 = CTI Mode 1 = Non Procedural Mode (Non-SCS)	0	15-02-20
20	**Baud Rate for CTA Port** Select the baud rate to be used by the CTA Adapter.	0 = 4800 1 = 9600 2 = 19200	2	15-02-19

Item No.	Item	Input Data	Default	Related Program
21	**Virtual Extension Access Mode (when idle Virtual Extension key pressed)** Determine whether a Virtual Extension/Call Arrival Key(CAR) should function as a DSS key, a Virtual Extension, or a CAR key. 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 as a CAR key and can receive incoming calls only.	0 = DSS 1 = Outgoing (OTG) 2 = Ignore	2	
22	**Multiple Incoming From Intercom and Trunk** 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.	0 = Disable 1 = Enable	1	22-01-01
23	**Speed Dial Preview Mode** 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 = Preview 1 = Outgoing Immediately	0	

Item No.	Item	Input Data	Default	Related Program
24	**Conference Key Mode** This option allows an extension CONF key to be programmed for Conference or for Transfer. When set for Transfer (1), the user places a call on hold, dials the extension to which it should be transferred, then presses the CONF key. The call is then transferred. When set for Conference (0), with an active call, the user presses the CONF key, places a second call, then presses the CONF key twice. All the calls are then connected.	0 = Conference 1 = Transfer	0	
26	**Multiline Telephone Basic Data Setup, MSG Key Operation Mode** Determine whether an extension MSG key should function as a Message key or Voice Mail key. If set as a Message key, users can press the key to call the voice mail only when they have new messages.	0 = Message Key 1 = Voice Mail Key	0	
27	**Handset Volume** 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.*	0 = Back to Default (Back) 1 = Stay at previous level (Stay)	1	
28	**Message Waiting Lamp Color** Determine whether an extension Message Waiting Lamp lights Green (0) or Red (1) when a message is received.	0 = Green 1 = Red	1	
29	**PB Back Tone Level** This program allows adjustment of the PB Back Tone Level when you are calling an ISDN Line.	1~63 (-15.5dB ~ +15.5dB)	32	
30	**Toll Restriction Class** Select the Toll Restriction Class to be used when placing a call from a virtual extension.	0 = Vir. Ext Vir. Ext (Virtual Extension's Class) 1 = Real Ext (Real Extension's Class)	1	

Table 2-3 Program 15 : 02 – Incoming Signal Frequency Patterns

Incoming Signal Frequency Pattern	Type	Frequency 1	Frequency 2	Modulation
External Incoming Signal Frequency (Pattern 1)	High Middle Low	1100 660 520	1400 760 660	16Hz 16Hz 16Hz
External Incoming Signal Frequency (Pattern 2)	High Middle Low	1100 660 520	1400 760 660	8Hz 8Hz 8Hz
External Incoming Signal Frequency (Pattern 3)	High Middle Low	1100 660 520	1100 660 520	Envelope Envelope Envelope
External Incoming Signal Frequency (Pattern 4)	High Middle Low	1100 660 520	1100 660 520	No modulation No modulation No modulation
Internal Incoming Signal Frequency	High Middle Low	1100 660 520	1400 760 660	8Hz 8Hz 8Hz

Conditions

None

Feature Cross Reference

❏   Refer to the Input Data chart.

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 8 digits

Item No	Item	Input Data	Default	Related Program
01	**SLT Signaling Type** Use this option to tell the system the type of dialing the connected telephone uses. For the Electra Elite IPK II 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 Electra Elite IPK II Wireless telephone is registered when using system software 1.13+. When upgrading software from prior versions, the previous default of 1 is saved from the prior database so this option must be changed manually.	0 = DP 1 = DTMF	1	
02	**--- Not Used ---**			
03	**Terminal Type** 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 = Normal 1 = Special	0	
04	**Flashing** Enables/disables Flash for single line (500/2500 type) telephones.	0 = No 1 = Yes	1	
05	**Trunk Polarity Reverse** Not Used in U.S. - Do Not Change Default Entry as DTMF issues may arise with voice mail.	0 = Off 1 = On	0	

Item No	Item	Input Data	Default	Related Program
06	**Extension Polarity Reverse** -- Not Used in U.S. -- Do Not Change Default Entry as DTMF issues may arise with voice mail.	0 = Disable (Off) 1 = Enable (On)	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** 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. ✎ *With a 2500 set (no Caller ID) installed, this must be set to 0 for incoming callers to have a talk path.*	0 = Disable (Off) 1 = Enable (On)	0	
10	**Caller ID Name** Determine if an extension user telephone should display the Caller ID name.	0 = Disable 1 = Enable	1	15-03-09
11	**Caller ID Type** Determine whether the Caller ID type is FSK or DTMF.	0 = FSK 1 = DTMF	0	
12	**--- Not Used ---**			
13	**--- Not Used ---**			
14	**Forwarded Caller ID Display Mode** Determine what the display shows when a multiline terminal receives a forwarded outside call.	0 = Calling Extension Number (Calling) 1 = External Caller ID (Forward)	0	
15	**Disconnect without dial after hooking hold** Determine whether or not to disconnect a held call when on-hook without any dialing after hooking-hold.	0 = Normal 1 = Disc.	0	
16	**Special DTMF Protocol Send**	0: No 1: Yes	0	
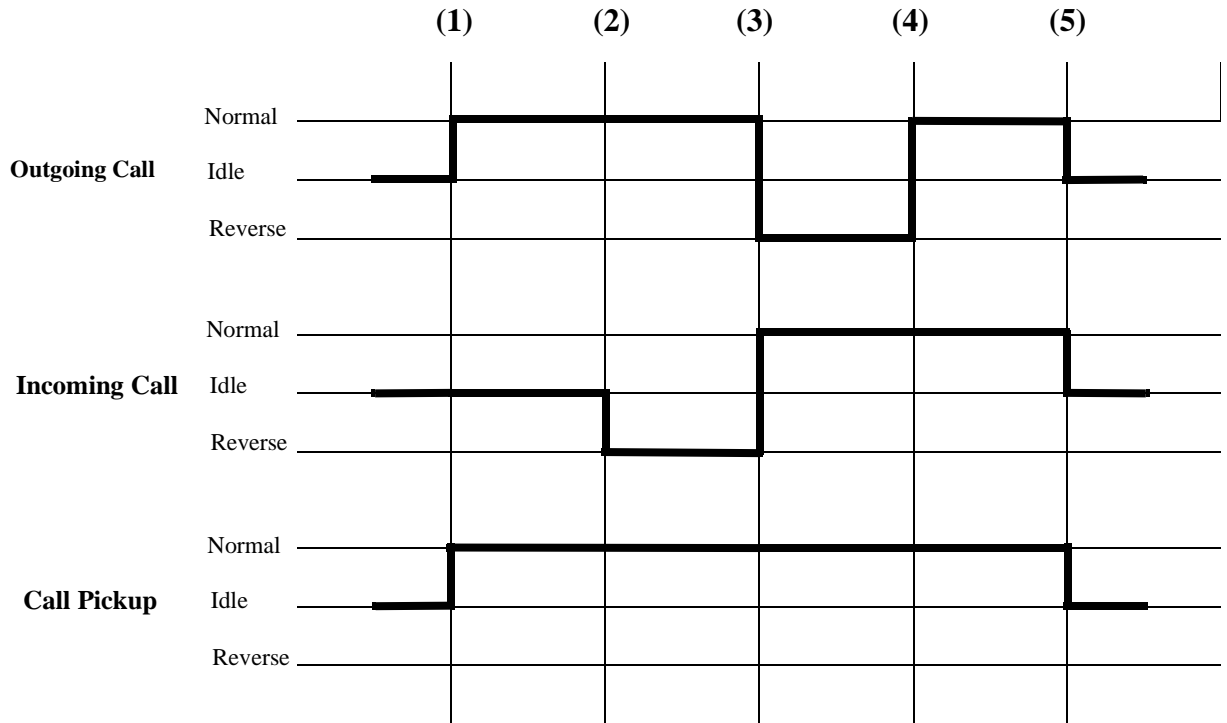
(1) = Off-Hook (2) = Calling/Ringing (3) = Answer (4) = Detect Hang Up (5) = On-Hook

Conditions
None

Feature Cross Reference

❑   Single Line Telephone, Analog

❑   Single Line Telephone, Digital

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 8 digits

Item No.	Item	Input Data	Default	Description	Related Program
01	**Terminal Type**	3 = MEGACO	0	Viewing Only - No changes permitted	
02	**IP Phone Fixed Port Assignment**	MAC address 00-00-00-00-00-00 to FF-FF-FF-FF-FF-FF	00-00-00-00-00-00	For any IP telephone, the MAC Address as indicated on the telephone/adapter label to assign a specific extension number.	15-05-01
04	**Nickname**	Up to 48 characters	None		
06	**IP Phone Terminal Type**	1 = IP70 2 = IP80 3 = Smart Phone	0		
07	**Using IP Address**	0.0.0.0 ~ 255.255.255.255	0.0.0.0	Informational Only registered IP Phones	15-05-01
15	**CODEC Type**	1-Type 1 2-Type 2 3-Type 3 4-Type 4 5-Type 5	1		
16	**Authentication Password**	Up to 24 characters	None		
17	**Calling Party Display Info**	0 = Nickname 1 = Display Name 2 = User Part 3 = Extension	0		

Item No.	Item	Input Data	Default	Description	Related Program
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	0		

Conditions

None

Feature Cross Reference

❑   Voice over Internet Protocol (VoIP)

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 only place 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 8 digits

Day/Night Mode	1~8

Item No.	Trunk Access Map Number	Default	Related Program
01	1~200	1	14-07

Conditions
None

Feature Cross Reference

❏   Central Office Calls, Answering

❏   Central Office Calls, Placing

Program 15 : Extension, Basic Setup
15-07 : Programmable Function Keys

Level:
SA

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 8 digits

Item No.	Line Key Number	Function Number	Additional Data
01	1~48	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.

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

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

Function Number List
[1] Normal Function Code (00 ~ 99) (Service Code 751)

Function Number	Function	Additional Data	LED Indication
00	Not Defined		
01	DSS / One-Touch	Extension number or any numbers (up to 24 digits)	**Red On:** Extension Busy **Off:** Extension Idle **Rapid Blink (Red):** DND or Call Forward
02	Microphone Key (ON/OFF)		**Red On:** Mic Off **Off:** Mic On
03	DND Key		**Red On:** DND
04	BGM (ON/OFF)		**Red On:** BGM On **Off:** BGM Off
05	Headset		**Red On:** Headset in use
06	Transfer Key		None
07	Conference Key		**Red On:** Conference call setup occurring
08	Incoming Call Log		**Rapid Blink (Red):** New call log **Red On:** Call log **Off:** No call log
09	Day/Night Mode Switch	Mode number (1~8)	**Red On:** Mode active
10	Call Forward – Immediate		**Slow Blink (Red):** Forwarded
11	Call Forward – Busy		**Slow Blink (Red):** Forwarded
12	Call Forward – No Answer		**Slow Blink (Red):** Forwarded
13	Call Forward – Busy/No Answer		**Slow Blink (Red):** Forwarded
14	Call Forward – Both Ring		**Slow Blink (Red):** Forwarded
15	Follow Me		**Rapid Blink (Red):** Forwarded
16	--- Not Used ---		
17	--- Not Used ---		

Function Number List (Continued)
[1] Normal Function Code (00 ~ 99) (Service Code 751)

Function Number	Function	Additional Data	LED Indication
18	Text Message Setup	Message Numbers (01~20)	**Red On:** Feature activated by Function Key
19	External Group Paging	External Paging Number (1~8)	**Red On:** Page Active
20	External All Call Paging		**Red On:** Page Active
21	Internal Group Paging	Internal Paging Number (01~64)	**Red On:** Page 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	None
27	Speed Dial – Common/ Private	Speed Dial Number (Common / Private)	None
28	Speed Dial – Group	Speed Dial number (Group)	None
29	Repeat Redial		**Red On:** Waiting to redial
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		**Red On:** While camp-on activated
36	Step Call		None
37	DND / FWD Override Call		None
38	Message Waiting		None
39	Room Monitoring		**Rapid Blink (Red):** While being monitored **Slow Blink (Red):** While monitoring

Function Number List (Continued)
[1] Normal Function Code (00 ~ 99) (Service Code 751)

Function Number	Function	Additional Data	LED Indication
40	Handset Transmission Cutoff		**Red On:** Transmission cut-off
41	Buzzer	Extension Number	**Red On:** Transmission Side **Rapid Blink (Red):** Receiver Side
42	Boss – Secretary Call	Extension Number	**Red On:** Boss – Secretary mode
43	Series Call		None
44	Common Hold		None
45	Exclusive		None
46	Department Group Log Out		**Red On:** Logged Out
47	Reverse Voice Over	Extension Number	**Red On:** extension busy **Off:** extension idle **Rapid Blink (Red):** DND or Call Forward **Green:** Reverse Voice Over to extension in progress
48	Voice Over		**Slow Blink (Red):** Voice Over - Active
49	Call Redirect	Extension Number or Voice Mail Number	None
50	Account Code		**Red On:** While account code being entered
51	General Purpose Relay	Relay No (0, 1~8)	**Red On:** Relay On
52	Automatic Answer with Delay Message Setup	Incoming Group Number	**Red On:** Under setting
53	Automatic Answer with Delay Message Start		**Red On:** Active
54	External Call Forward by Door Box		**Red On:** Active
55	Extension Name Change		None
56	General Purpose LED Operation		**Blink (Red):** Active
57	General Purpose LED Indication		**Blink (Red):** Active
58	Automatic Transfer at Department Group Call	Extension Group Number (01~64)	**Blink (Red):** Active

Function Number List (Continued)
[1] Normal Function Code (00 ~ 99) (Service Code 751)

Function Number	Function	Additional Data	LED Indication
59	Delayed Transfer at Department Group Call	Extension Group Number (01~64)	**Blink (Red):** Active
60	DND at Department Group Call	Extension Group Number (01~64)	**Blink (Red):** Active
61	-- Not Used --		
63	Outgoing Call Without Caller ID (ISDN)		**Red On:** Active
64	--- Not Used ---		**Red On:** Active
65	--- Not Used ---		
66	CTI		**Red On:** CTI active
67	Mail Box	Extension Number or Department Group Number	**Rapid Blink (Green):** New message received **Red On:** Listening to messages
68	Voice Mail Service	0 = Skip 1 = Back Skip 2 = Monitor	2-In case of monitor mode **Slow Blink (Red):** Monitor Setting - Automatic **Red On:** Monitor Setting - Manual
69	Conversation Record - ACI	0 = ACI as Record Destination 1 = Not Used in U.S. 2 = Not Used in U.S. 3 = Not Used in U.S.	**Red On:** Recording Call
70	Automated Attendant for Extension	Extension Number or Department Group Number	None
71	Message Change for Voice Attendant	Extension Number or Department Group Number	None
72	Keypad Facility Key		
73	Keypad HOLD Key		
74	Keypad RETRIEVE Key		
75	Keypad Conference Key		
76	Toll Restriction in Credit – Extension Number		
77	Voice Mail (In-Skin)	Extension Number or Pilot Number	**Red On:** Access to Voice Mail **Rapid Blink (Green):** New Message

Function Number List (Continued)
[1] Normal Function Code (00 ~ 99) (Service Code 751)

Function Number	Function	Additional Data	LED Indication
78	Conversation Recording – Voice Mail		**Rapid Blink (Red):** Recording
79	Automated Attendant (In-Skin)	Extension Number or Pilot Number	**Red On:** Set Up for All Calls **Fast Blink (Red):** Set Up for No Answer Calls **Stutter Blink (Red):** Set Up for Busy Calls **Slow Blink (Red):** Set Up for Busy/No Answer Calls
80	Tandem Ringing	1 = Set 0 = Cancel Extension Number to Tandem Ring	**Red On:** Active
81	Automatic Transfer to Transfer Key	Trunk Line No. (001~200)	
82	D^{term} IP Call Log		
83	Conversation Recording Function (VMSU)	0 = Pause 1 = Re-recording 2 = Address 3 = Erase 4 = Urgent Page	
84	Drop Key		
85	Directory Dialing		
86	Private Call Refuse		
87	Caller ID Refuse		
88	Dial-In Mode Switching		22-17
89	Do-Not-Call Setup		
90	Do-Not-Call Data Registration		
91	Live Recording Key In-Mail		
92 . . 99	--- Not Used ---		

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

Function Number	Function	Additional Data	LED Indication
✱00	ICM Key	None	**Red On:** Off Hook on Intercom Call **Red Blink:** Intercom Call on Hold
✱01	Trunk Key	Trunk Number (001~200)	**Red On:** Trunk Busy by Another User **Green On:** Trunk Busy by Extension
✱02	Trunk Group	Trunk Group Number (001~100)	**Red On:** Trunk Busy by Another User **Green On:** Trunk Busy by Extension
✱03	Virtual Extension Key	Extension Number or Department Group Number	**Red On:** Trunk busy by another user **Slow Blink (Red):** Incoming Call
✱04	Park Key	Park Number (01 – 64)	**Slow Blink (Red):** Call Placed in Park by Another User **Fast Blink (Green):** Extension Placed Call in Park
✱05	--- Not Used ---		
✱06	Trunk Access Via Networking	Network System Number (01~50)	
✱07	Station Park Hold	None	
✱08	CAP Key	CAP Orbit No. (0001 ~ 9999) ✎ *If CAP Orbit No.0000 is used, the next available orbit is automatically selected.*	
✱09	--- Not Used ---		
✱10	ACD Log – In / Log – Out		**Red On:** Under log-on **Off:** Under log-off
✱11	--- Not Used ---		
✱12	ACD Emergency Call		**Red On:** Under monitor, Override, Standby **Fast Blink (Red):** Supervisor Telephone Receiving Emergency Call
✱13	ACD Off Duty Mode		**Red On:** Under Off Duty **Slow Blink (Red):** Under Reservation
✱14	ACD Start / End		**Red On:** ACD Operation End
✱15	ACD Terminal Speech Monitor		**Red On:** Under Monitor
✱16	ACD Waiting		**Red On:** Standby

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

✱17	ACD Work Wrap Up Time		**Red On:** Under Work Time **Slow Blink (Red):** Under Reservation
✱18	ACD Overflow Control	ACD Group Number	**Red On:** Enable **Slow Blink (Red):** Disable
✱19	ACD Queue Status Display Check		
✱20 . . . ✱99	--- Not Used ---		

LED Pattern 0 : [OFF]

On

Off

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

On

Off

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

On

Off

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

On

Off

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

On

Off

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 (On).
OFF = LED pattern 0 (Off).
Rapid Blink = LED pattern 3 (RW).
Slow Blink (General Function Level) = LED pattern 5 (IL).
Slow Blink (Appearance Function Level) = LED pattern 1 (FL).
Fast Blink = LED pattern 3 (RW).
Stutter Blink = LED pattern 4 (IR).

Conditions

❍ When a key is programmed using service code 752, that key 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.

❍ When assigning a CAP key, *08, an orbit number must be used. If orbit 000 is used, it automatically assigns the next available orbit.

Feature Cross Reference

❑   Refer to Function Number List.

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 256 available extension ports.

Input Data

Extension Number	Maximum 8 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. For ACD CAR keys, only tone pattern 1 (entry 0) can be used. The remaining patterns are not checked with this feature.

Table 2-4 Program 15 : 08 – Incoming Signal Frequency Patterns

Incoming Signal Frequency Pattern	Type	Frequency 1	Frequency 2	Modulation
Pattern 1	High Middle Low	1100 660 520	1400 760 660	16Hz 16Hz 16Hz
Pattern 2	High Middle Low	1100 660 520	1400 760 660	8Hz 8Hz 8Hz
Pattern 3	High Middle Low	1100 660 520	1100 660 520	Envelope Envelope Envelope
Pattern 4	High Middle Low	1100 660 520	1100 660 520	No modulation No modulation No modulation
Internal Incoming Signal Frequency	High Middle Low	1100 660 520	1400 760 660	8Hz 8Hz 8Hz

Conditions

None

Feature Cross Reference

❑   Multiple Directory Number / Call Coverage

Program 15 : Extension, Basic Setup
15-09 : Virtual Extension Ring Assignment

Level:
SA

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 256 Virtual Extension Ports.

Input Data

Extension Number	Up to 8 digits

Key Number	01~48

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 keyset programming.

Feature Cross Reference

❏   Multiple Directory Number / Call Coverage

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 256 Virtual Extension ports.

Input Data

Extension Number	Up to 8 digits

Item No.	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 keyset, 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.

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

Conditions
None

Feature Cross Reference

❑   Multiple Directory Number / Call Coverage

Program 15 : Extension, Basic Setup
15-11 : Virtual Extension Delayed Ring Assignment

Level:
SA

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 256 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 8 digits

Key Number	01~48

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

Conditions

❍ Program the Virtual Extension keys **NOT** to ring before removing the key from keyset programming.

Feature Cross Reference

❑ Multiple Directory Number / Call Coverage

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 ACI 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 8 digits

Item Number	Item	Input Data	Default
01	**ACI Recording Destination Extension Number** Enter the ACI extension number to which the trunk calls should be recorded.	Maximum 8 Digits	No Setting
02	**ACI Automatic Recording for Incoming Calls** Determine if an extension incoming calls should be automatically recorded to the ACI.	0 = Off 1 = On	0
03	**--- Not Used ---**		
04	**--- Not Used ---**		

Conditions
None

Feature Cross Reference

❑   Analog Communications Interface (ACI)

Program 15 : Extension, Basic Setup
15-14 : Programmable One-Touch Keys

Level:
IN

Description

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

For each Electra Elite IPK II Wireless telephone to use the Transfer When Out of Range feature, enter the destination number (up to 24 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.

Extension Number	Maximum 8 digits

Key Number	01~10

Item No.	Dial Data	Name	Default
01	1~0, *, #, Pause, Hook-flash, @ (Code for Answer-Wait) Up to 24 digits	Up to 24 Digits	No Setting
02	Name	Up to 12 Digits	No Setting

Default

○ No entries for any extension.

Conditions
None

Feature Cross Reference

❏ One-Touch Keys

Program 15 : Extension, Basic Setup
15-15 : Wireless DECT Terminal Basic Data Setup

Level:
IN

Description

Use **Program 15-15 : Wireless DECT Terminal Basic Data Setup** to define the options for the Electra Elite IPK II Wireless telephones.

Input Data

Extension Number	Maximum 8 digits

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

Item No.	Item	Input Data	Default	Related Program
01	**IPEI** The IPEI (International Portable Equipment Identity) is a unique number embedded into each Electra Elite IPK II Wireless – DECT telephone. The IPEI number is the 13-digit serial number which is located on the label in the telephone telephone's battery compartment. Use this program to display the IPEI number assigned to an Electra Elite IPK II Wireless telephone during the telephone subscription. This program is read only.	This program is read only.	-	
02	**Authentication Code** This program displays the 4-digit AC (Authentication Code) assigned to the Electra Elite IPK II Wireless – DECT telephone during the telephone subscription. This program is read only.	This program is read only.	-	

Item No.	Item	Input Data	Default	Related Program
03	**Terminal Ability** This program displays the ability of the Electra Elite IPK II Wireless – DECT telephone to display the options below. This program is read only. ❍ Display Abilities ❍ ISDN Support ❍ Tone Abilities ❍ Data Services Profile E Class 2 ❍ Echo Parameters ❍ Data Services Profile A/B Class 2 ❍ Portable Part Ambient Noise Rejection (N-REJ) ❍ Multi-Bearers Support for Data Services Profile ❍ Adaptive Volume Control Provision (A-Vol) ❍ Data Services Profile C Class 2 ❍ Slot Type Ability ❍ Data Services Profile D Class 2 ❍ Number of Stored Display Characters ❍ Data Services Profile F Class 2 ❍ Number of Lines in Display ❍ DECT/GSM Interworking - GSM Bearer Service ❍ Number of Characters Per Line ❍ DECT/GSM Interworking - GSM SMS Service ❍ Scrolling Behavior Field ❍ DECT/GSM Interworking - GSM Facsimile Service ❍ GAP/PAP Support ❍ Control Codes ❍ DECT/GSM Interworking Profile Supported ❍ ISO8859-1 Support	This program is read only.	-	

Item No.	Item	Input Data	Default	Related Program
04	**Model Identifier** This program shows the model identifier that the Electra Elite IPK II Wireless – DECT terminal uses. The model identifier contains the following items: Manufacturer Identification Code (MANIC) and Model Identification Code (MODIC). This program is read only.	This program is read only.	-	
05	**Voice Mail Answering When Out of Range** This program enables (1) or disables (0) the ability for calls to be transferred to voice mail if the Electra Elite IPK II Wireless – DECT telephone is out of range. If Program 15-15-05 and 15-15-06 are both enabled, Program 15-15-05 takes priority. If both programs are disabled, the caller hears a lock-out tone and the may see Out of Range on their display.	0 = No 1 = Yes	0	15-15-05 15-15-06
06	**Call Transferring When Out of Range** This program enables (1) or disables (0) the ability for calls to be transferred to another extension if the Electra Elite IPK II Wireless – DECT telephone is out of range. If Program 15-15-05 and 15-15-06 are both enabled, Program 15-15-05 takes priority. If both programs are disabled, the caller hears a lock-out tone and the may see Out of Range on their display.	0 = No 1 = Yes	0	15-15-05 15-15-06
07	**DECT Transmit Level**		32	
08	**DECT Receive Level**		32	

Conditions

None

Feature Cross Reference

❏   Electra Elite IPK II Wireless DECT

Program 15 : Extension, Basic Setup

15-16 : SIP Register ID Setup for Extension

Level:
IN

Description

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

Input Data

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 8 digits

Trunk Port Number	001~200

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 : Extension, Basic Setup
15-18 : Virtual Extension Key Enhanced Options

Level:
IN

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 8 digits

Item No.	Item	Input Data	Default	Related Program
01	**Virtual Extension Key Operation Mode**	0 = Release 1 = Land on the key	0	20-04-01
02	**Display mode when placing a call on Virtual Extension Key**	0 = Secondary Extension Name 1 = Actual Station Name	0	

Default Settings

○ If a DIL rings a Virtual Extension, the Virtual Extension Key Operation Mode must be set to **Land On**, or the multiline terminal must have a CAP Key.

Conditions
None

Feature Cross Reference

None

Program 15 : Extension, Basic Setup
15-20 : LCD Line Key Name Assignment

Level:
IN

Description

Use **Program 15-20 : LCD Line Key Name Assignment** to assign a name to each LCD Line Key of the DTH/DTR-16LD-1 and 16LD-R ADM. Up to eight characters can be assigned.

Input Data

Extension Number	Up to 8 digits

Key Number	01~16 (for 16LD TEL) 17~32 (for 16LD ADM)

Default Settings

Line Key	Name
LK01	CO001
:	:
LK08	CO008
LK09	All Blank
:	:
LK32	All Blank

Conditions
None

Feature Cross Reference

None

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Program 16 : Department Group Setup

16-01 : Department Group Basic Data Setup

Level:
IN

Program

16

Description

Use **Program 16-01 : Department Group Basic Data Setup** to set the function mode for each department group. There are 64 available Department Groups.

Input Data

Department Group Number	0~64

Item No.	Item	Input Data	Default	Related Program
01	**Department Name**	Max. 12 characters	No setting	11-07
02	**Department Calling Cycle** 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 = Normal Routing (Priority) 1 = Easy - UCD Routing (Circular)	0	16-02
03	**Department Routing when Busy (Auto Step Call)** Use 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 = Normal (Intercom caller to busy department member hears busy) 1 = Circular (Intercom callers to busy department member routes to idle member)	0	16-02

Item No.	Item	Input Data	Default	Related Program
04	**Hunting Mode** 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 = Last extension is called and hunting is stopped 1 = Circular	0	
05	**Extension Group All Ring Mode Operation** 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 with in the Department Group.*	0 = Manual 1 = Automatic	0	11-16-10
06	**STG Withdraw Mode** (Future Use)	0 = Disable (Camp On) 1 = Enable (Overflow Mode)	0	
07	**Call Recall Restriction for STG** Determine whether or not an unanswered call transferred to a Department Group should recall the extension from which it was transferred.	0 = Disable (Recall) 1 = Enable (No Recall)	0	
08	**Queuing for Extension Group Call** To have Department Group calls queue when busy, set this entry to 1 for an extension or voice mail group.	0 = No Queuing 1 = Queuing (This program allows entries of 1-32, however, the system accepts any entry other than "0" to allow queuing.)	0	
09	**Department Hunting No Answer Time** Set how long a call rings a Department group extension before hunting occurs.	0~64800 seconds	15	

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

Conditions

None

Feature Cross Reference

❑   Department Calling

Program 16 : Department Group Setup
16-02 : Department Group Assignment for Extensions

Level:
IN

Description

Use **Program 16-02 : Department Group Assignment for Extensions** to set the Department Groups. The system uses these groups (64 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, it may ring the extensions in order of their priority.

Input Data

Extension Number	Maximum 8 digits

Item No.	Group Number	Priority	Default	Description	Related Program
01	1~64	1~999	1 – xxx (See Note)	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 Program 11-02 and 11-04. (Extension ports are 1~ 256. Virtual extension ports are 1-256.)*

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 64 available Department Groups.

Input Data

Department (Extension) Group Number	01~64

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

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Program 20 : System Option Setup
20-01 : System Options

Level:
IN

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

Program

20

Input Data

Item No.	Item	Input Data	Default	Description	Related Program
01	Operator Access Mode	0 = Step 1 = Circular	0	Use this program to set up priority of a call when calling an operator telephone.	20-17
02	Text Message Mode	0 = Call mode 1 = No Answer/ Busy mode	1	Use this program to select the mode when calling the telephone which set up the text message.	11-11-14 15-07-08
03	--- Not Used ---				
04	Network BLF Interval	0~64800 in 100 ms increments	0	Used to determine how often the system updates the DSS key BLF indications. For Networking, the entry should be 30.	30-05
05	DTMF Receive Active Time	0~64800 seconds	10	For OPXs, analog telephones and certain analog trunks (like DISA), the system attaches a DTMF receiver to the port for this interval. The system releases the receiver after the interval expires.	25-07-01
06	Alarm Duration	0~64800 seconds	30	This time sets the duration of the alarm signal.	
07	Callback Ring Duration Time	0~64800 seconds	15	Callback rings an extension for this time.	11-12-05 15-07-35
08	Trunk Queuing Callback Time	0~64800 seconds	15	Trunk Queuing callback rings an extension for this time.	11-12-05 15-07-35
09	Callback/Trunk Queuing Cancel Time	0~64800 seconds	64800	The system cancels an extension Callback or Trunk Queuing request after this time.	11-12-05 15-07-35
10	Trunk Guard Timer	0~64800 seconds	1		
12	Web Logout Time	1~86400 seconds	900	The system automatically logs out a Web Pro session after inactivity lasting this time.	

Conditions
None

Feature Cross Reference

❑   Refer to the Input Data table at the beginning of this section.

Program 20 : System Option Setup

20-02 : System Options for Multiline Telephones

Level:
IN

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 Programming
01	**--- Not Used ---**			
02	**Trunk Group Access Key Operating Mode** Use this option to set the operating mode of the extension trunk group keys. The keys can be for incoming access, outgoing access or both.	0 = Outgoing / Incoming 1 = Outgoing 2 = Incoming	0	
03	**--- Not Used ---**			
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 1 = Yes	0	
06	**Preselection Time** When a multiline terminal user preselects a line key, the system remembers the preselection for this time.	0~64800 seconds	5	

Input Data (Continued)

Item No.	Item	Input Data	Default	Related Programming
07	**Time and Date Display Mode** Set how the Time and Date appear on display telephones. There are 8 display modes.	1~8 Type 1 = (12 hour) 10 MAR TUE 3:15PM Type 2 = (12 hour) 3:15PM MAR 10 TUE Type 3 = (12 hour) 3-10 TUE 3:15 PM Type 4 = (12 hour) 3:15PM 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	3	
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	
10	**Time Before Shifting to Power-Saving Mode**	0 = No 1 = 1 minutes 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)	0	
13	**--- Not Used ---**			
14	**Headset Ringing Cancel Timer**	0~64800 seconds	30 sec.	

Input Data (Continued)

Item No.	Item	Input Data	Default	Related Programming
15	**Caller ID Display Mode**	0 = Name and Number (Both) 1 = Name 2 = Number	0	

Conditions
None

Feature Cross Reference

❑   None

Program 20 : System Option Setup
20-03 : System Options for Single Line Telephones

Level:
IN

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	Default	Related Program
01	**SLT Call Waiting Answer Mode** For a busy single line (500/2500 type) telephone, set the mode used to answer a camped-on trunk call. For ESL sets, enabling this option (1) allows the user to dial Service Code for Voice Mail Conversation Record.	0 = Hookflash (Hooking) 1 = Hookflash + Service Code 654	0	11-12-47
02	**Ignore Received DP Dial on DTMF SLT Port** 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 = Do Not Ignore (No) 1 = Ignore (Yes)	0	15-03-01
03	**SLT DTMF Dial to Trunk Lines** ❍ **Type 0:** The system keeps the digits dialed by the single line telephone on a trunk in a buffer. After all the digits have been 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. ❍ **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. When using a third-party external paging device, set this option to **1**. In addition, set Program 20-03-04 to **1**. These programs must be set for Wireless – DECT users to be able to break dial tone on an analog trunk that is used for paging.	0 = Receive all dialed data, before sending (All) 1 = Direct through out (Direct)	0	20-03-04

Input Data

Item No.	Item	Input Data	Default	Related Program
04	**Dial Sending Start Time for SLT or ARS** When ARS or an analog extension user accesses a trunk and dials an outside call, the system waits this interval 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**.	0~64800 seconds	3	20-03-03
05	**SLT Operation Mode**	0 = Normal Mode 1 = Extended Mode1 2 = Extended Mode2	0	
06	**Headset Ringing Start Time** 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.	0~64800 seconds	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, Analog

❑   Single Line Telephones, Digital

Program 20 : System Option Setup
20-04 : System Options for Virtual Extensions

Level:
IN

Description

Use **Program 20-04 : System Options for Virtual Extensions** to set up various system options for Virtual Extensions. There are 256 available virtual extension ports.

Input Data

Item No.	Item	Input Data	Default
01	**--- Not Used ---**		
02	**--- Not Used ---**		-
03	**CAR/SIE/Virtual Extension Delay Interval** CAR Keys/SIE Keys/Virtual Extensions set for Delayed Ringing (see Program 15-11) ring the extension after this interval.	0~64800 seconds	10

Conditions
None

Feature Cross Reference

❏   Call Arrival Keys (CAR/Secondary Incoming Extensions / Virtual Extensions)

Program 20 : System Option Setup
20-06 : Class of Service for Extensions

Level:
IN

Description

Use **Program 20-06 : Class of Service for Extensions** to assign a Class of Service (COS) to an extension. There are15 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 8 digits

Item No.	Day/Night Mode	Class of Service for Extensions
01	1~8	1~15

Default

❍   Extension number 101 as Class 15.

❍   All other extension numbers are set as 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 COS 1~14	Default COS 15	Related Program
01	**Manual Night Service Enabled** Turns off or on an extension for manual Night Service Switching.	0 = Off 1 = On	0	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	0	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	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	1	11-10-04
05	**Set/Cancel Automatic Trunk-to-Trunk Transfer** Turns off or on an extension ability to use the Trunk-to-Trunk Forwarding service codes.	0 = Off 1 = On	0	0	11-10-06 11-10-07 11-10-08
06	**--- Not Used ---**				
07	**--- Not Used ---**				
08	**--- Not Used ---**				
09	**--- Not Used ---**				

Item No.	Item	Input Data	Default		Related Program
			COS 1~14	COS 15	
10	**Programmable Function Key Programming (Appearance Level)** Turns off or on an extension for programming the Appearance function keys using Service Code 752 (by default).	0 = Off 1 = On	0	1	11-11-38 20-13-18
11	**Forced Trunk Disconnect (analog trunk only)** Turns off or on an extension to use Forced Trunk Disconnect.	0 = Off 1 = On	0	1	11-10-26
12	**Trunk Port Disable**	0 = Off 1 = On	0	1	11-10-27
13	**VRS Record (VRS Msg Operation)** Turns off or on an extension ability to record, erase and listen to VRS messages.	0 = Off 1 = On	0	1	11-10-19
14	**VRS General Message Play** Turns off or on an extension to dial 4 or Service Code 611 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 for dialing Service Code 612 and record, listen to, or erase the General Message.	0 = Off 1 = On	0	1	11-10-22
16	**--- Not Used ---**				
17	**--- Not Used ---**				
18	**SMDR Printout Accumulated Extension Data**	0 = Off 1 = On	0	1	11-10-23
19	**SMDR Printout Department Group (STG) Data**	0 = Off 1 = On	0	1	11-10-24
20	**SMDR Printout Accumulated Account Code Data**	0 = Off 1 = On	0	1	11-10-25
21	**Register/Delete DECT**	0 = Off 1 = On	0	0	11-10-30 11-10-31
22	**--- Not Used ---**				
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	0	

Item No.	Item	Input Data	Default		Related Program
			COS 1~14	COS 15	
24	**Set/Cancel Private Call Refuse** Enable or Disable an extension ability to set or cancel Private Call Refuse.	0 = Off 1 = On	0	0	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	0	0	11-10-33 11-10-34
26	**Dial-In Mode Switch**	0 = Off 1 = On	0	0	11-10-35
27	**Do-Not-Call Administrator**	0 = Off 1 = On	0	0	25-01-07 15-07-89 20-01-19
28	**--- Not Used ---**				

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 COS 01-14	Default COS 15	Related Program
01	**Intercom Calls** Turns off or on Intercom calling for the extension.	0 = Off 1 = On	1	1	
02	**Trunk Outgoing Calls** Turns off or on outgoing trunk calling for the extension.	0 = Off 1 = On	1	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	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	1	
05	**Dial Number Preview (Preset Dial)** Turns off or on an extension for using Dial Number Preview.	0 = Off 1 = On	1	1	
06	**Toll Restriction Override** Turns off or on Toll Restricting Override (Service Code 663).	0 = Off 1 = On	0	0	11-11-36 21-01-07 21-07
07	**Repeat Redial** Turns off or on an extension to use Repeat Redial.	0 = Off 1 = On	1	1	
08	**Toll Restriction Dial Block** Turns off or on an extension to use Dial Block.	0 = Off 1 = On	0	0	

Item No.	Item	Input Data	Default		Related Program
			COS 01-14	COS 15	
09	**Hotline/Extension Ringdown** Turns off or on Ringdown Extension for extensions with this COS.	0 = Off 1 = On	0	0	
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	1	
11	**Protect for the Call Mode Switching from Caller** (Internal Call)	0 = Off 1 = On	0	0	
12	**Department Group Step Calling** Turns off or on an extension to use Department Group Step Calling.	0 = Off 1 = On	1	1	
13	**ISDN CLIP** Determines if the ISDN calling line identity presentation and screening indicators are allowed.	0 = Off 1 = On	0	0	10-03-05
14	**Call Address Information**	0 = Off 1 = On	0	0	
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	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 911.	0 = Off 1 = On	0	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	0	
18	**--- Not Used ---**				
19	**Hot Line for SPK**	0 = Off 1 = On	0	0	20-08-09
20	**Hot Key Pad** **Requires Version 1500 or higher**	0 = Off 1 = On	0	0	

Item No.	Item	Input Data	Default		Related Program
			COS 01-14	COS 15	
21	**Automatic Trunk Seizing by Pressing SPK Key** **Requires Version 1500 or higher**	0 = Off 1 = On	0	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

Item No.	Item	Input Data	Default COS 01~14	Default COS 15	Related Program
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. ✎ *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 or CAP 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.*	0 = Off 1 = On	1	1	
02	**Caller ID Display** Turns off or on the Caller ID display at an extension.	0 = Off 1 = On	0	0	15-02-08
03	**Sub Address Identification** Defines whether or not an extension displays the Caller Sub-Address.	0 = Off 1 = On	0	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	0	20-09-02

Item No.	Item	Input Data	Default		Related Program
			COS 01~14	COS 15	
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	1	11-11-15, 11-11-16
06	**Incoming Time Display**	0 = Off 1 = On	0	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	1	1	20-13-06
08	**Calling Party Information** Turn off or on an extension ability to display calling party information on CCIS calls.	0 = Off 1 = On	1	1	50-02-05

Conditions

None

Feature Cross Reference

❑   Class of Service

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).

Class of Service Number	01~15

Item No.	Item	Input Data	Default	
			COS 01~14	COS 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 756).	0 = Off 1 = On	1	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	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	1
04	**Telephone Call Pickup** Turns off or on an extension to pick up a call ringing into a Pickup Group (Service Code ✱ #).	0 = Off 1 = On	1	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	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	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	0

Item No.	Item	Input Data	Default	
			COS 01~14	COS 15
08	**Virtual Extension Off-Hook Answer** Turns off or on an extension to answer an incoming call on a Call Arrival (CAR) / Secondary Incoming Extension (SIE) / Virtual Extension simply by lifting the handset.	0 = Off 1 = On	0	0
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	0
10	**Answer Preset**	0 = Off 1 = On	0	0

Conditions
None

Feature Cross Reference

None

Program 20 : System Option Setup
20-11 : Class of Service Options (Hold/Transfer Service)

Level:
IN

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 01~14	Default COS 15
01	**Call Forward All** Turns off or on an extension ability to initiate Call Forwarding All.	0 = Off 1 = On	1	1
02	**Call Forward When Busy** Turns off or on an extension ability to use Call Forward when Busy.	0 = Off 1 = On	1	1
03	**Call Forwarding When Unanswered** Turns off or on an extension ability to use Call Forward when Unanswered.	0 = Off 1 = On	1	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	1
05	**Call Forwardings with Follow Me** Turns off or on an extension ability to initiate Call Forwarding with Follow Me.	0 = Off 1 = On	1	1
06	**Unscreened Transfer (Ring Inward Transfer)** Turns off or on an extension ability to use Unscreened Transfer.	0 = Off 1 = On	1	1
07	**Transfer Without Holding** Turns off or on an extension ability to use Transfer Without Holding.	0 = Off 1 = On	0	0

Item No.	Item	Input Data	Default	
			COS 01~14	COS 15
08	**Transfer Information Display** Turns off or on an extension ability for incoming Transfer pre-answer display.	0 = Off 1 = On	1	1
09	**Group Hold Initiate** Turns off or on an extension ability to initiate a Group Hold.	0 = Off 1 = On	1	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	1
11	**Automatic On-Hook Transfer** Turns off or on an extension ability to use Automatic On Hook Transfer.	0 = Off 1 = On	0	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	0	0
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	0	0
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	0
15	**VRS Personal Greeting (Message Greeting)** Turns off or on an Service Code 7 to record, listen to, or erase the Personal Greeting Message.	0 = Off 1 = On	1	1
16	**Call Redirect** Turns off or on a multiline terminal user ability to transfer a call to a pre-defined destination (such as an operator, voice mail, or another extension) without answering the call.	0 = Off 1 = On	1	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	1
18	**No Recall** Allow (0) or deny (1) answered transferred calls from recalling the originating extension.	0 = Off 1 = On	0	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	0

Item No.	Item	Input Data	Default	
			COS 01~14	COS 15
20	**No Callback** Turns off or on an extension to receive callbacks.	0 = Off 1 = On	0	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 = Off 1 = On	0	0
22	**Restricted Unsupervised Conference** Allow or Deny an extension ability to initiate an unsupervised conference.	0 = Off 1 = On	0	0
23	**Class of Service Options (Hold/Transfer Service) - CAR/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	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	1
25	**Transfer Park Call** Turn off or on and extension ability to transfer a parked call.	0 = Off 1 = On	1	1

Conditions

None

Feature Cross Reference

❑   Class of Service

Program 20 : System Option Setup

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

Level:
IN

Description

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

Item No.	Item	Input Data	Default	
			COS 01~14	COS 15
01	**--- Not Used ---**			
02	**Advice of Charge** ISDN-AOC	0 = Off 1 = On	0	0
03	**Cost Display (TTU)**	0 = Off 1 = On	1	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		Related Programming
			COS 01~14	COS 15	
01	**Long Conversation Alarm** Turns off or on the Warning Tone for Long Conversation (not for single line telephones).	0 = Off 1 = On	0	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	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	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	1	
05	**Intercom Off-Hook Signaling** Turns off or on an extension ability to receive Off-Hook signals.	0 = Off 1 = On	1	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	1	
07	**Message Waiting** Turns off or on an extension ability to leave Message Waiting.	0 = Off 1 = On	1	1	

Item No.	Item	Input Data	Default		Related Programming
			COS 01~14	COS 15	
08	**Conference** Turns off or on an extension user ability to initiate a conference or Meet-Me Conference.	0 = Off 1 = On	1	1	
09	**Privacy Release** Turns off or on an extension user ability to initiate a Voice Call Conference.	0 = Off 1 = On	1	1	
10	**Barge-in Monitor** Enables the extension Barge-in Mode to be speech mode (0) or Monitor mode (1).	0 = Off 1 = On	0	0	
11	**Room Monitor, Initiating Extension** Turns off or on an extension user ability to Room Monitor other extensions.	0 = Off 1 = On	0	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	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	1	
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	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	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	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	1	
18	**Programmable Function Key Programming (General Level)** Turns off or on an 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	1	

Item No.	Item	Input Data	Default		Related Programming
			COS 01~14	COS 15	
19	**Selectable Display Messaging (Text Messaging)** Turns off or on an extension user ability to use Selectable Display Messaging.	0 = Off 1 = On	1	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	0	
21	**Extension Name** Turns off or on an extension user ability to program its name.	0 = Off 1 = On	1	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	0	
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, DND).	0 = Off 1 = On	0	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	0	
25	**--- Not Used ---**				
26	**Group Listen** Turns off or on an extension user ability to use Group Listen.	0 = Off 1 = On	1	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 off for this option to work.	0 = Off 1 = On	1	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	0	
29	**Paging Display** Turns off or on an extension user ability to display paging information.	0 = Off 1 = On	1	1	
30	**Background Music** Allows or Denys an extension user to turn Background Music on and off.	0 = Off 1 = On	1	1	

Item No.	Item	Input Data	Default COS 01~14	COS 15	Related Programming
31	**Connected Line Identification (COLP)**	0 = Off 1 = On	0	0	
32	**Deny Multiple Barge Ins** Allows or Denies an extension from having multiple users Barge in to their conversation.	0 = Off 1 = On	0	0	
33	**ACD Supervisor's Position Enhancement** This option must be on for the operator to use service codes in Program 11-13-10 through 11-13-13.	0 = Off 1 = On	0	0	11-13-10 11-13-11 11-13-12 11-13-13
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	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	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	1	
37	**--- Not Used ---**				
38	**Headset Ringing** Turn off or on an extension user ability to use the Headset ringing.	0 = Off 1 = On	0	0	
39	**ACD Queue Status Display** Turns off or on the ACD Queue Status Display for an extension Class of Service. Any extension which has this option enabled also hears the queue alarm.	0 = Off 1 = On	0	0	
40	**Do Not Disturb** Turn off or on and extension user ability to set or cancel Do Not Disturb.	0 = Off 1 = On	1	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	0	
42	**Extension Data Swap Enabling** Turn off or on an extension user ability to use Extension Data Swap.	0 = Off 1 = On	1	1	11-15-12
43	**--- Not Used ---**				
44	**Live Monitor Enabling** Turn off or on an extension user ability to use Live Monitor.	0 = Off 1 = On	1	1	

Item No.	Item	Input Data	Default COS 01~14	Default COS 15	Related Programming
45	**MIC Key Mode while Call Monitoring** **(Call Monitor Mode)** **Requires Version 1500 or higher**	0 = Off 1 = On	1	1	

Conditions

None

Feature Cross Reference

❑   Class of Service

Program 20 : System Option Setup
20-14 : Class of Service Options for DISA/E&M

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 01~14	Default COS 15
01	**First Digit Absorbtion (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	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).	0 = Off 1 = On	1	1
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	1
04	**Outgoing System Speed Dial** This option enables or disables a DISA or tie trunk caller ability to use the System Speed Dialing.	0 = Off 1 = On	0	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	1

Item No.	Item	Input Data	Default	
			COS 01~14	COS 15
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	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	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	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 ✱3). This option is not available to DISA callers.	0 = Off 1 = On	0	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 through 11-11-05).	0 = Off 1 = On	0	0
11	**DISA/Tie Trunk Barge In** This option enables or disables a DISA or tie trunk caller ability to use the Barge In feature.	0 = Off 1 = On	0	0
12	**Retrieve Park Hold** This option enables or disables a DISA or tie trunk caller ability to retrieve a Park Held call.	0 = Off 1 = On	1	1

Conditions
None

Feature Cross Reference

❑ Class of Service

❑ Direct Inward System Access (DISA)

❑ Tie Lines

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	8
02	PBX, CES Incoming Call		8
03	Incoming Internal Call		12
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		6

Table 2-5 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

Table 2-5 Ringing Cycles (Continued)

Number	Ringing Cycle
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 : System Option Setup
20-16 : Selectable Display Messages

**Level:
SA**

Description

Use **Program 20-16 : Selectable Display Messages** to enter the Selectable Display Messages. There are 20 alphanumeric messages, with up to 24 characters. Use the following chart when programming messages.

Use this keypad digit . . .	When you want to. . .
1	Enter characters: 1 @ [¥] ^ _ ` { | } → ← Á À Â Ã Ç É Ê 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 ! " # $ % & ' ( ) ô õ ú ä ö ü α ε θ
✱	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.)
CONF	Clear the character entry one character at a time.
HOLD	Clear all the entries from the point of the flashing cursor and to the right.

When using DTP or DTU style telephones on the Electra Elite IPK II system, not all the same characters are available.

Input Data

Selectable Display Message Number	01~20

Item No.	Text Data
01	24 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

Description

Use Program **20-17 : Operator Extension** to designate an operator. When an extension user dials 0 or 9 (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	Default	Related Program
01	**Operator's Extension Number** Define the extension numbers which are to be used by operators.	Up to 8 digits	101	11-01 20-01-01

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 Timer** 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	Default	Description	Related Program
01	**Extension Dial Tone Time**	0~64800 seconds	30	After getting Intercom dial tone, a keyset user has this time to dial the first digit of the Intercom call.	
02	**Busy Tone Timer**	0~64800 seconds	15		
03	**Congestion Tone**	0~64800 seconds	10	A Busy Tone when system resources run short. (such as DTMF receiver resources).	
04	**Call Waiting Tone Timer**	0~64800 seconds	10	This option sets the time between Call Waiting tones. This timer also sets the time between Off-Hook Signaling alerts.	
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	0	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.	
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 : System Option Setup
20-19 : System Options for Caller ID

Level:
IN

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	Default
01	**Caller ID Displaying Format** **(if displaying digits are more than 12 digits)**	0 = First 10 digits (Upper) 1 = Last 10 digits (Lower)	0
02	**Caller ID Wait Timer** When an incoming CO call is received, the system starts the timer, and waits the programmed time for Caller ID information from telco before connecting the CO call.	0~30 seconds	5
03	**--- Not Used ---**		
04	**Wait Facility IE Timer** This timer is used with ISDN trunks to determine how long the system waits for the Caller ID name from the Telco.	0~64800 seconds	10
05	**Caller ID Sender Queing Time (Sender Wait)**	0~64800 seconds	0

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**	24 Alphanumeric Characters	OUT OF AREA
03	**Call Information with Error**	24 Alphanumeric Characters	NO CALLER INFO

Conditions
None

Feature Cross Reference

❑   Caller ID

Program 20 : System Option Setup
20-21 : System Options for Long Conversation

Level:
IN

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	Default	Related Program
01	**Long Conversation Alarm 1** The warning tone for long toll calls sounds after this time.	0~64800 (sec)	170	14-01-15
02	**Long Conversation Alarm 2** After the initial long toll call warning tone, additional warning tones sound after this time.	0~64800 (sec)	180	14-01-15
03	**Long Conversation Cutoff for Incoming Call** This timer determines how long the system waits before disconnecting an incoming call.	0~64800 (sec)	0	14-01-14
04	**Long Conversation Cutoff for Outgoing Call** This timer determines how long the system waits before disconnecting an outgoing call.	0~64800 (sec)	0	14-01-14

Conditions
None

Feature Cross Reference

❏   Long Conversation Cutoff

Program 20 : System Option Setup
20-22 : System Options for Wireless – DECT Service

Level:
IN

Description

Use **Program 20-22 : System Options for Wireless – DECT Service** to define the time the system waits before determining the Wireless – DECT (DECT) phone is out of range. For incoming calls, the timer begins when the call is received. If the time defined here expires before the Wireless – DECT phone starts to ring, the system determines the phone is out of range and provides the out-of-range services (indicates out-of range, transfers the call to voice mail or to another extension).

Input Data

Item No.	Item	Input Data	Default
05	**Out of Area Judging Time**	0~64800 (sec)	8
06	**Out of Area Talkie**	0~48	0

Conditions
None

Feature Cross Reference

❑   Wireless - DECT

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

Conditions
None

Feature Cross Reference

❏   Computer Telephony Integration (CTI) Applications

Program 20 : System Option Setup

20-25 : ISDN Options

Level:
IN

Description

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

Input Data

Item No.	Item	Input Data		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 = 3.1KHz Audio 1 = Speech		0
04	**Send DT until user dials first digit (Local Dial Tone)** 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 = Service Off 1 = Service On		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 Low Layer Compatibility (LLC)**	0 = Disable (Off) 1 = Enable (On)		1
09	**Use of High Layer Compatibility (HLC) Sending**	0 = Disable (Off) 1 = Enable (On)		1
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

Input Data

Item No.	Item	Input Data	Default
12	**Call Forward Options (Auto Connect Send)** Incoming Calls Forwarded Out Automatically Return Connect Message When Outgoing Call Receives Alerting Message.	0 = Normal - No Message (Off) 1 = Normal - No Message (On)	0
13	**Local Busy Tone (Release)** Busy tone send when T-point receiving a RELEASE message from Network.	0 = Off 1 = On	0
14	**No Response Release Send** Operation mode setting for when second T303 timer expires.	0 = Off 1 = On	0

Conditions

None

Feature Cross Reference

❑   ISDN Compatibility

Program 20 : System Option Setup

20-26 : Multiplier Changing CO

Level:
IN

Description

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

Input Data

Service Class	1~15

Input Data

Item No.	Item	Input Data	Default
01	**Value %**	100~500	100

Conditions
None

Feature Cross Reference

None

Program 20 : System Option Setup

20-28 : Trunk to Trunk Conversation

Level:
IN

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	Default	Related Programming
01	**Conversation Continue Code**	0~9, #, ✱	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, #, ✱	No Setting	14-01-25 24-02-07 24-02-10 25-07-07 25-07-08
03	**Conversation Continue Time**	0~64800 seconds	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 PRG 20-31.

Input Data

Item No.	Item	Input Data	Default
01	**Day/Night Mode 1~8, Class Number**	0~15 0 = Not assigned	0

Conditions
None

Feature Cross Reference

None

Program 20 : System Option Setup

20-30 : Timer Class for Trunks

Level:
IN

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 PRG 20-3.

Input Data

Item No.	Item	Input Data	Default
01	**Day/Night Mode 1~8, Class Number**	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

Item No.	Item	Input Data	Default	Related Programming
01	**Trunk Queuing Callback Duration Time**	0~64800 seconds	15 seconds	20-01-08
02	**Callback / Trunk Queuing Cancel Time**	0~64800 seconds	64800 seconds	20-01-09
03	**CAR/SIE/Virtual Extension Delay Interval**	0~64800 seconds	10 seconds	20-04-03
04	**Intercom Inter-digits Time (Intercom I/D Timer)**	0~64800 seconds	10 seconds	21-01-02
05	**Trunk Inter-digits Time (Trunk I/D Timer)**	0~64800 seconds	5 seconds	21-01-03
06	**Hotline Time Start Time (Hotline Start)**	0~64800 seconds	5 seconds	21-01-09
07	**Ring No Answer Alarm Time**	0~64800 seconds	60 seconds	22-01-02
08	**DIL/Incoming Ring Group No Answer Time**	0~64800 seconds	0 seconds	22-01-04
09	**DID Ring-No-Answer Time**	0~64800 seconds	20 seconds	22-01-06
10	**Hold Recall Time (Non Exclusive Hold)**	0~64800 seconds	90 seconds	24-01-01
11	**Hold Recall CallBack Time (Non Exclusive Hold)**	0~64800 seconds	30 seconds	24-01-02
12	**Exclusive Hold Recall Time**	0~64800 seconds	90 seconds	24-01-03
13	**Exclusive Hold Recall Callback Time**	0~64800 seconds	30 seconds	24-01-04
14	**Park Hold Time – Normal**	0~64800 seconds	90 seconds	24-01-06
15	**Delayed Call Forwarding Time (Call Forward No Answer)**	0~64800 seconds	10 seconds	24-02-03
16	**Transfer Recall Time**	0~64800 seconds	30 seconds	24-02-04
17	**DID/DISA No Answer Time (Disconnect or IRG or VM)**	0~64800 seconds	0 seconds	25-07-02
18	**Disconnect after Re-transfer to IRG**	0~64800 seconds	60 seconds	25-07-03

Input Data

Item No.	Item	Input Data	Default	Related Programming
19	**Long Conversation Warning Tone Time (Trunk to Trunk)**	0~64800 seconds	180 seconds	25-07-07
20	**Long Conversation Disconnect (Trunk to Trunk)**	0~64800 seconds	10 seconds	25-07-08
21	**DISA Internal Paging Time**	0~64800 seconds	30 seconds	25-07-09
22	**DISA External Paging Time**	0~64800 seconds	30 seconds	25-07-10
23	**Page Announcement Duration**	0~64800 seconds	1200 seconds	31-01-02

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

20-35 : Extension's Operator Setting

Level:
IN

Description

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

Input Data

Item No.	Item	Input Data	Default
01	**Extension's Operator Setting** **Requires Version 1500 or higher**	0~15	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

Item No.	Item	Input Data	Default
01	**Trunk's Operator Setting** **Requires Version 1500 or higher**	0~15	0

Conditions
None

Feature Cross Reference

None

Program 20 : System Option Setup
20-37 : Operator Extension Group Setup

Level:
IN

Description

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

Input Data

Item No.	Item	Input Data	Default
01	**Operator Extension Group Setup** **Require**s **Version 1500 or higher**	Up to 8 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

Item No.	Item	Input Data	Default
01	**Operator Access Mode** **Requires Version 1500 or higher**	0 = Step 1 = Circular	0

Conditions
None

Feature Cross Reference

None

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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.

Program

21

Input Data

Item No.	Item	Input Data	Default	Related Program
01	**Seizure Trunk Line Mode**	0 = Priority Route 1 = Circular Route	0	14-05 14-06
02	**Intercom Interdigit Time** When placing Intercom calls, extension users must dial each digit in this time.	0~64800 (sec)	10	
03	**Trunk Interdigit Time (External)** 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).	0~64800 (sec)	5	14-02-08
04	**Researched Time for DTD Circuit**	0~64800 (sec)	5	14-02-05
05	**Dial Tone Detection Time** 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.	0~64800 (sec)	3	
06	**Dial Pause at First Digit**	0~64800 (sec)	1	

Input Data

Item No.	Item	Input Data	Default	Related Program
07	**Toll Restriction Override Time** After dialing the Toll Restriction Override codes, the system removes Toll Restriction from the extension for this time.	0~64800 (sec)	10	20-08-06 21-07
08	**Preset Dial Display Hold Time**	0~64800 (sec)	10	
09	**Ringdown Extension Timer (Hotline Start)** A Ringdown extension automatically calls its programmed destination after this time.	0~64800 (sec)	5	20-08-09 21-11
10	**Dial Digits for Toll Restriction Path** 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. Since it is only a 3-digit number, the call does not have a talk path, preventing the emergency dispatcher from hearing the caller. It is recommended that this option be kept at its default setting of 0 to prevent any problems with dialing 911.	0~24	0	
11	**Inter-Digit Time for Toll Restriction Path Control**	0~60	0	
12	**Dial E911 Routing Without Trunk Access** If enabled (1), an extension user can dial 911 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.	0 = Trunk Access Code Required 1 = Trunk Access Code Not Required	1	
13	**Alarm Ring Timer (E911)** Use this option to set the duration of the E911 Alarm Ring Time. If set for 0, the E911 Alarm does not ring.	0, 1~64800 (sec) (0 = Off)	0	11-12-56 20-08-16
14	**Forced Account Code Inter-digit Timer** The system waits this time for a user to enter a Forced Account code.	0~64800 (sec)	3	

Input Data

Item No.	Item	Input Data	Default	Related Program
15	**Outgoing Disable on Incoming Line (Toll Restriction)** Enable or disable the Outgoing Disable on Incoming Line feature.	0 = Disable (Off) 1 = Enable (On)	0	15-01-05 21-01-16 21-01-17
16	**Supervise Dial Detection Timer** 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.	0~64800 (sec)	20	15-01-05 21-01-16 21-01-17
17	**Restriction Digit in Outgoing Disable on Incoming Line** With the Outgoing Disable on Incoming Line feature, determine the number of digits to be dialed before the call should be disconnected.	Digits 0~9	4	15-01-05 21-01-15 21-01-16
18	**Reset Dial After Failure of Trunk Access**	0 = Disable (Off) 1 = Enable (On)	1	99-01-01
19	**Do Not Call**	0 = No Service (Off) 1 = Extended Common Restriction (On)	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 8 digits

Item No.	Day/Night Mode	Route Table Number	Default	Related Program
01	1~8	0~100 (0 = No Setting)	1	14-06 14-01-07

Conditions
None

Feature Cross Reference

None

Program 21 : Outgoing Call Setup
21-03 : Trunk Group Routing for Trunks

Level:
IN

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	001~200

Item No.	Day/Night Mode	Route Table Number	Default	Related Program
01	1~8	0~100 (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** to assign a Toll Restriction class to an extension. The details of Toll Restriction are defined in Program 21-05 and 21-06.

✎   A phone and a trunk will have a Restriction Class. The higher class will apply for outgoing calls.

Input Data

Extension Number	Maximum 8 digits

Item No.	Day/Night Mode	Restriction Class	Default	Related Program
01	1~9 9 = (Power Failure Mode)	1~15	2	14-01-08 21-05

Conditions
None

Feature Cross Reference

❑   Toll Restriction

Program 21 : Outgoing Call Setup
21-05 : Toll Restriction Class

Level:
IN

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	Default	Description	Related Program
01	**International Call Restriction Table**	0 = Unassigned (No) 1 = Assigned (Yes)	1	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.	21-06-01
02	**International Call Permit Code Table**	0 = Unassigned (No) 1 = Assigned (Yes)	1	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.	21-06-02
03	**--- Not Used ---**				
04	**Maximum Number of Digits Table Assignment**	1~4 = Table 0 = Disable (None)	0	Select the table (defined in 21-06-03) to be used to determine the maximum number of digits allowed for outgoing calls.	21-06-03
05	**Common Permit Code Table**	0 = Unassigned (No) 1 = Assigned (Yes)	0	It chooses whether the table set up by 21-06-04 is referred to, or not referred to.	21-06-04
06	**Common Restriction Table**	0 = Unassigned (No) 1 = Assigned (Yes)	0	It chooses whether the table set up by 21-06-05 is referred to, or not referred to.	21-06-05
07	**Permit Code Table**	1~4 = Table 0 = Disable (None)	0	Set the tables 1~4 when referring to the table set up by 21-06-06.	21-06-06

Item No.	Item	Input Data	Default	Description	Related Program
08	**Restriction Table**	1~4 = Table 0 = Disable (None)	0	Set the tables 1~4 when referring to the table set up by 21-06-07.	21-06-07
09	**Restriction for Common Speed Dials**	0 = Does Not Restrict 1 = Following Restriction Check	0	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.	
10	**Restriction for Group Speed Dials**	0 = Does Not Restrict 1 = Following Restriction Check	0	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.	
11	**Intercom Call Restriction**	0 = Disable (No) 1 = Enable (Yes)	0	It chooses whether ICM incoming call is restricted.	
12	**PBX Call Restriction**	0 = Disable (No) 1 = Enable (Yes)	0	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).	
13	**Restriction of Tie Line Calls**	0 = Disable (No) 1 = Enable (Yes)	0	It chooses whether the toll restriction of the dial set up by 34-08 is enabled or disabled.	34-08
14	**Trunk Transfer Restriction on Incomplete Dial**	0 = Not allow 1 = Allow	0 (Not allow)	If this program is set to 1, you can transfer the outgoing trunk which you dialed incompletely.	
15	**Common Hold Restriction on Incomplete Dial**	0 = Not allow 1 = Allow	0 (Not allow)	If this program is set to 1, you can hold the outgoing trunk which you dialed in restriction check.	

Default

	Item No.														
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**
Class No. 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Class No. 2	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
Class No. 3	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0
Class No. 4	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0
Class No. 5	1	1	1	0	1	1	0	0	1	0	0	0	0	0	0
Class No. 6	1	1	1	0	1	1	0	0	1	1	0	0	0	0	0
Class No. 7	1	1	1	0	1	1	0	0	1	1	1	0	0	0	0
Class No. 8	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0
:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:
Class No. 15	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0

Conditions
None

Feature Cross Reference

❑   Toll Restriction

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	Description
01	**InternationaL Call Restriction Table**	1~10	Dial (Up to 4 digits)	Tables 1~10 = No Setting	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.
02	**International Call Permit Code Table**	1~20	Dial (Up to 6 digits)	No Setting	This option lets you program the Permit Table for international calls. The system has 20 International Call Permit Table. Each entry can have up to six digits.
03	**Maximum Number Digits Table Assignment**	1~4	4-30	Tables 1~ 4 = 30	This option selects the maximum number of digits allowed in outgoing calls for each table.
04	**Common Permit Code Table**	1~10	Dial (Up to 4 digits)	Table 1 = 911 Table 2 = 1800 Table 3 = 1888 Table 4 = 1822 Table 5 = 1833 Table 6 = 1844 Table 7 = 1855 Table 8 = 1866 Table 9 = 1877 Table 10 = No Setting	This option lets you program the Common Permit Code Table. This table contains up to 10 codes you commonly allow users to dial.
05	**Common Restriction Table**	1~10	Dial (Up to 12 digits)	Table 1 = 900 Table 2 = 1900 Table 3 = 976 Tables 4 ~ 10 = No Setting	This option lets you program the Common Restrict Code Table. This table contains up to 10 codes you commonly prevent users from dialing.

Input Data

Item No.	Item	Table	Input Data	Default	Description
06	**Permit Code Table**	1~4 (table) 001~200 (Entry)	Dial (Up to 12 digits)	Table 1~4 = No Setting	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.
07	**Deny Restriction Table**	1~4 (table) 1~60 (Entry)	Dial (Up to 12 digits)	Table 1~4 = No Setting	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 200 entries in each table. The system restricts calls exactly as you enter the code.
08	**PBX Access Code**	1~4	Dial (Up to 2 digits)	Table 1~4 = No Setting	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 2 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 2 digits.
09	**Specific Dial Outgoing Code**	1~20	Dial (Up to 8 digits)	No Setting	
10	**Outgoing Call Code Setup**	1~20	Dial (Up to 4 digits)	No Setting	

Conditions
None

Feature Cross Reference

❑   Toll Restriction

Program 21 : Outgoing Call Setup
21-07 : Toll Restriction Override Password Setup

Level:
SA

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 8 digits

Item No.	Password	Default	Related Program
01	4 Digits (Fixed)	No Setting	21-01-07 20-08-06

Conditions
None

Feature Cross Reference

❑   Toll Restriction Override

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	Default
01	**Repeat Redial Count** Sets how many times a Repeat Redial automatically repeats if the call does not go through.	0~255	3
02	**Repeat Redial Interval Time** This time sets the interval between Repeat Redial attempts.	0~64800 (sec)	60
03	**Repeat Dial Calling Timer** 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.	0~64800 (sec)	30
04	**Time for Send Busy Tone for ISDN Trunk** Sets the time (sec) to send out Busy Tone with an ISDN line, when called party is busy.	0~64800 (sec)	0

Conditions
None

Feature Cross Reference

None

Program 21 : Outgoing Call Setup
21-09 : Dial Block Setup

Level:
IN

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	Default
01	**Toll Restriction Class With Dial Block** Assign a Toll Restriction Class of Service when the Dial Block feature is used.	1~15	15
02	**Supervisor Password** Assign a 4-digit password to be used by the supervisor to enable or disable Dial Block for other extensions.	0~9, ✱, # (4-digit fixed)	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

❏   Toll Restriction

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 8 digit

Item No.	Toll Restriction Class	Default
01	0,1~15 (0 = No Setting)	0 (No Setting)

Conditions
None

Feature Cross Reference

❑   Toll Restriction

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 8 digits

Item No.	Hotline Destination Number	Default	Related Program
01	0, ✳, #, Pause, Hook Flash, @ (Code to wait for answer supervision) (maximum 24 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

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	001~200

Item No.	Calling Party Number Data	Default
01	1-0, ✶, # (maximum 16 digits)	No Setting

Conditions
None

Feature Cross Reference

❑ ISDN Compatibility

Program 21 : Outgoing Call Setup
21-13 : ISDN Calling Party Number Setup for Extensions

Level:
IN

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 21-12), the system sends the calling number for the ISDN trunk defined in Program 21-13.

✎ *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 8 digits

Item No.	Calling Party Number Data	Default
01	0~9, ✱, # (Max. 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 is six digits long, using any combination of 0-9, **#** and **∗**.

Input Data

ID Table Number	1~500

Item No.	Item	Input Data	Default
01	User ID	Dial (6 digits)	No Setting
02	Walking Toll Restriction Class Number	1~15	1

Conditions
None

Feature Cross Reference

❑   Toll Restriction

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 11-09-02 : Alternate 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 8 digits

Item No.	Day/Night Mode	Route Table Number	Default
01	1~8	0~100 (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	001~200

Item No.	Description	Input Data	Default
01	**IP Trunk (SIP) Calling Party Number Setup for Trunk** **Requires Version 1500 or higher**	Up to 16 Digits (1~0, ✱, #)	None

Conditions
None

Feature Cross Reference

None

Program 21 : Outgoing Call Setup

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

Level:
IN

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

Trunk Port Number	000~200

Item No.	Description	Input Data	Default
01	**IP Trunk (SIP) Calling Party Number Setup for Extension** **Requires Version 1500 or higher**	Up to 16 Digits (1~0, ✱, #)	None

Conditions
None

Feature Cross Reference

None

Program 21 : Outgoing Call Setup
21-20 : SIP Trunk Call Discernment Setup for Extension

Level:
IN

Description

Use **Program 21-20 : SIP Trunk Call Discernment Setup for Extension** to turn off or on the discernment tone for each extension.

Input Data

Trunk Port Number	000~200

Item No.	Description	Input Data	Default
01	**IP Trunk (SIP) Call Discernment Setup for Extension** **Requires Version 1500 or higher**	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

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 PRG 21-05 and 21-06.

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

Input Data

Trunk Port Number	000~200

Item No.	Description	Input Data	Default	Related Program
01	**Restriction Class** Enter the Toll Restriction Class for the selected trunk.	1~15	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

Description

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

Input Data

Trunk	001~200

Item No.	Description	Input Data	Default
01	**CO MWI Call Back Enabling** Enable or Disable CO MWI Call Back.	0 = No VMWI Service 1 = Enable VMWI Service	0
02	**CO-MWI Call Back Number Area Setting** Define the Speed Dial Bin number for MWI Call Back.	0000~1999	1999

Conditions
None

Feature Cross Reference

❑ None

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	Default	Description	Related Program
01	**Incoming Call Priority**	0 = Intercom Call Priority 1 = Trunk Call Priority	1	Use this option to determine if Intercom calls or trunk calls have answer priority when both are ringing simultaneously.	15-02-22
02	**Incoming Call Ring No Answer Alarm**	0 = Disable (Off) 1 = Enable (On)	0	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.	22-01-03 22-01-04
03	**Ring No Answer Alarm Time**	0~64800 (sec.)	60	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.	22-01-02
04	**DIL No Answer Recall Time**	0~64800 (sec.)	0	A DIL that rings its programmed destination longer than this interval diverts to the DIL No Answer Ring Group (set in Program 22-08).	
05	**-- Not Used --**				
06	**DID Ring-No-Answer Time**	0~64800 (sec.)	20	In systems with DID Ring-No-Answer Intercept, this interval sets the Ring-No-Answer time. This interval is how long a DID call rings the destination extension before rerouting to the intercept ring group.	22-12
07	**DID Incoming Ring Group no answer timer**	0~64800 (sec.)	20		

Input Data

Item No.	Item	Input Data	Default	Description	Related Program
08	**DID Pilot Call No answer timer**	0~64800 (sec.)	60		
09	**DID to Trunk to Trunk no answer timer**	0~64800 (sec.)	20		
10	**VRS Waiting Message Operation**	0 = Enable Always 1 = Change by Manual Operation	0	This program sets up the operation mode for Auto Attendant and Queuing Message.	22-14 22-15 22-08 22-04 22-01-04 20-15-11 15-07
11	**VRS Waiting Message Interval Time**	0~64800 (sec.)	20	Setup the sending duration time of the Auto - Attendant & Queuing. The message is repeatedly sent out within the specified time.	22-14-06 22-15-06 41-11-06

Conditions
None

Feature Cross Reference

❑   Central Office Calls, Answering

Program 22 : Incoming Call Setup

22-02 : Incoming Call Trunk Setup

Level:
IN

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	001~200

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's connected T1 service type, the T1 cable or the T1 PCB must be unplugged and then reconnected in order for the T1 PCB to sync.

❍ When the trunk type is set to a 3 (DID), the DID Transfer to Destination in 22-11-04 for each DID feature is not supported. This feature is only supported 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. There are eight ring tones available. Customize the Trunk Ring Tones in Program 82-01.

Input Data

Trunk Port Number	001~200

Item No.	Ring Tone Pattern	Default	Description	Related Program
01	0~8 (Ring Tone Pattern 1~4) (Melody 1~ Melody 5)	0	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. There are eight ring tones available.	15-02

Table 2-6 Program 22 : 03 – Incoming Signal Frequency Patterns

Incoming Signal Frequency Pattern	Type	Frequency 1	Frequency 2	Modulation
Pattern 1	High Middle Low	1100 660 520	1400 760 660	16Hz 16Hz 16Hz
Pattern 2	High Middle Low	1100 660 520	1400 760 660	8Hz 8Hz 8Hz
Pattern 3	High Middle Low	1100 660 520	1100 660 520	Envelope Envelope Envelope
Pattern 4	High Middle Low	1100 660 520	1100 660 520	No modulation No modulation No modulation

Conditions
None

Feature Cross Reference

❑   Selectable Ring Tones

Program 22 : Incoming Call Setup
22-04 : Incoming Extension Ring Group Assignment

**Level:
SA**

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 100 available Ring Groups.*

Input Data

Incoming Ring Group Number	1~100

Item No.	Extension Number	Description	Related Program
01	Maximum 8 Digits	Use this program to assign extensions (up to 32) to Ring Groups. Calls ring extensions according to Ring Group programming.	22-02 22-05 22-06

Default

○ Extensions 101~108 (first 8 ports) ring for incoming Ring Group 1 calls. All other
extensions do not ring for incoming Ring Group 1 calls.

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 100 available Ring Groups.

Input Data

Trunk Port Number	00~200

Item No.	Day/Night Mode	Incoming Group Number	Default	Description	Related Program
01	1~8	0 (No Setting) 001~100 (Incoming Group) 101 (Not Used) 102 (In-Skin/ External Voice Mail or In-Mail) 103 (Not used)	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 : Incoming Call Setup
22-06 : Normal Incoming Ring Mode

Level:
IN

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 8 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. If the extension does not have a line key, the DIL rings CAP keys. 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	001~200

Item No.	Day/Night Mode	Number of Transferring Destination	Default
01	1~8	Extension Number (maximum 8 digits) Pilot Number	No Setting

Conditions

❍   Program 22-02 must be set to '4' for the trunk.

Feature Cross Reference

❑   Direct Inward Line (DIL)

Program 22 : Incoming Call Setup
22-08 : DIL/IRG No Answer Destination

Level:
IN

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	001~200

Item No.	Day/Night Mode	Incoming Group Number	Default
01	1~8	0 (No Setting) 001~100 (Incoming Group) 101 (Not Used) 102 (In-Skin/External Voice Mail or In-Mail) 103 (Centralized Voice Mail)	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	001~100

Item No.	Item	Input Data	Default
01	**Expected Number of Digits** Enter the number of digits the table expects to receive from the telco. Use this program to make the system compatible with three- and four-digit DID service.	1~8	4
02	**Received Vacant Number Operation** Use this option to enable or disable Vacant Number Intercept.	0 = Disconnect (Cut) 1 = Transfer (Refer to Program 22-12 : DID Intercept Ring Group on page 2-264.)	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** (Only Overlap Receiving Mode)	0~15 (0 = No Local Code)	0
06	**Local Code** (Only Overlap Receiving Mode)	Dial (maximum 16 digits)	No Setting
07	**Pilot Code** (Only Overlap Receiving Mode)	Dial (1 digit: 0~9)	No Setting
08	**T302 Time-out Operation** (Only Overlap Receiving Mode)	0 = Disconnect (Cut) 1 = Transfer (Refer to Program 22-12 : DID Intercept Ring Group on page 2-264.)	0

Conditions
None

Feature Cross Reference

❑   Direct Inward Dialing (DID)

Program 22 : Incoming Call Setup
22-10 : DID Translation Table Setup

Level:
IN

Description

Use **Program 22-10 : DID Translation Table Setup** to specify the size of the DID Translation Tables. There are 2000 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)	0~2000 (0 = No Setting)
	1st Area Setup (End Address)	See below
	2nd Area Setup (Start Address)	See below
	2nd Area Setup (End Address)	See below

Default

Conversion Table Area	1st		2nd	
	Start Table	End Table	Start Table	End Table
1	1	100	0	0
2	101	200	0	0
3	201	300	0	0
4	301	400	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 Table Number Conversion** to specify for each Translation Table entry (2000).

❑ The digits received by the system (eight maximum)

❑ The extension the system dials after translation (24 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 @ [¥] ^ _ ` { | } → ← Á À Â Ã Ç É Ê 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**.

<table>
<tr><td colspan="2" align="center">Key for Entering Names</td></tr>
<tr><td colspan="2">When entering names in the procedures below, refer to this chart. Names can have up to 12 digits.</td></tr>
<tr><td>Use this keypad digit . . .</td><td>When you want to. . .</td></tr>
<tr><td align="center">0</td><td>Enter characters:
0 ! " # $ % & ' ( ) ô õ ú ä ö ü α ε θ</td></tr>
<tr><td align="center">✱</td><td>Enter characters:
✱ + , - . / : ; < = > ? π Σ σ Ω ∞ ¢ £</td></tr>
<tr><td align="center">#</td><td># = 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.)</td></tr>
<tr><td align="center">CONF</td><td>Clear the character entry one character at a time.</td></tr>
<tr><td align="center">HOLD</td><td>Clear all the entries from the point of the flashing cursor and to the right.</td></tr>
</table>

Input Data

Conversion Table Number	1~2000

Item No.	Item	Input Data	Default
01	**Received Number**	Maximum 8 digits	No Setting
02	**Target Number**	Maximum 24 digits	No Setting
03	**DID Name**	Maximum 12 characters	No Setting
04	**Transfer Operation Mode**	0 = No Transfer 1 = Busy 2 = No Answer 3 = Both	0

Item No.	Item	Input Data	Default
05	**Transfer Destination Number -1**	0 = No Setting	0
06	**Transfer Destination Number -2** 400 = Allows 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 = Provides the caller with DISA dialing options (requires the use of the DISA password). Note: This applies to 22-11-05 and 22-11-06.	1~100 = Incoming Group 101 = (Not Used) 102 = In-Skin/External Voice Mail or In-Mail 103 = Centralized Voice Mail 201~264 = Extension Group 400 = Valid Extension Number 401 = DISA 501~548 = DISA/VRS Message 1000~999 = Speed Number (000~999)	0
07	**Call Waiting** PRG 20-09-07 overrides this setting.	0 = Disable (No) 1 = Enable (Yes)	0
08	**Maximum Number of DID Calls**	0~200 (0 = No Limit)	0
09	**Music on Hold Source**	0 = IC/MOH Port 1 = BGM Port 2 = ACI Port	0
10	**ACI Music Source Port**	When a sound source type is 2 in above : (0~96)	0
11	**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.	0 = Disable 1 = Enabled	1

Conditions

❍   When the trunk type is set to a 3 (DID) in 22-02-01, the DID Transfer Destination
    for each DID feature is not supported. This feature is only supported 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 Program 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 card 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 Program 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 (as defined in Program 22-12).

Conversion Table Area Number	01~20

Item No.	Day/Night Mode	Incoming Group Number	Default
01	1~8	0 (No Setting) 1~100 (Incoming Group) 101 (Not Used) 102 (In-Skin/External Voice Mail or In-Mail) 103 (Centralized Voice Mail)	1

Conditions
None

Feature Cross Reference

❏   Direct Inward Dialing (DID)

Program 22 : Incoming Call Setup
22-13 : DID Trunk Group to Translation Table Assignment

Level:
IN

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	1~100

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	1~100

Item No.	Item	Input Data	Default
01	1st Waiting Message Start Timing	0~64800 (sec)	0
02	1st Waiting Message Number	0~49 0 = No Message 49 = Fixed Message	0
03	1st Waiting Message Sending Count	0~255 (time)	0
04	2nd Waiting Message Number	0~49 0 = No Message 49 = Fixed Message	0
05	2nd Waiting Message Sending Count	0~255 (time)	0
06	Tone Kind at Message Interval	0 = Ring Back Tone 1 = MOH Tone 2 = BGM Source	0
07	Disconnect Time After the End of VRS Waiting Message	0 = No Disconnect 1~64800 Seconds	60

Conditions
None

Feature Cross Reference

❑   None

Program 22 : Incoming Call Setup
22-15 : VRS Waiting Message for Department Group

Level:
IN

Description

Use **Program 22-15 : VRS Waiting Message for Department Group** to define for each Department (Extension) Group the timers, VRS message number and tone kind for VRS Waiting Message. There are 64 available Department Groups.

Input Data

Extension Group Number	01~64

Item No.	Item	Input Data	Default
01	1st Waiting Message Start Timing	0~64800 (sec)	0
02	1st Waiting Message Number	0~49 0 = No Message 49 = Fixed Message	0
03	1st Waiting Message Sending Count	0~255 (time)	0
04	2nd Waiting Message Number	0~49 0 = No Message 49 = Fixed Message	0
05	2nd Waiting Message Sending Count	0~255 (time)	0
06	Tone Kind at Message Interval	0 = Ring Back Tone 1 = MOH Tone 2 = BGM Source	0
07	Disconnect Time After the End of VRS Waiting Message	0 = No Disconnect 1~64800 (sec)	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.

Item No.	Item	Input Data	Default
01	**Speed Dial Group Number**	0~64	0

Conditions
None

Feature Cross Reference

❑   Department Group

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

Level:
IN

Description

Use **Program 22-17: Dial-In Conversion Table Area Setup for Time Pattern** to define Time Zone and Dial-In Conversion Table (PRG22-11) for Time Pattern.

Item No.	Item	Input Data	Default
01	**Received Dial**	Up to 8 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**	0~2000	0

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.

Item No.	Item	Input Data	Default
01	**Transfer Mode**	0~2	0
02	**Destination Number**	24 digits (max)	No Setting
03	**Incoming Ring Pattern**	0~9	0

Conditions
None

Feature Cross Reference

None

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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 64 available Call Pickup Groups.*

Input Data

Extension Number	Maximum 8 digits

Item No.	Group Number	Priority	Default	Description	Related Program
01	1~64	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 Electra Elite Electra Elite IPK II Features and Specifications Manual for more information.

Make one entry for each Night Service mode.

Input Data

Extension Number	Maximum 8 digits

Item No.	Day/Night Mode	Route Table Number	Default	Description	Related Program
01	1~8	0~100	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 : Answer Features Setup
23-04 : Ringing Line Preference for Virtual Extensions

Level:
IN

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 256 available Virtual Extension Ports.*

Input Data

Extension Number	Maximum 8 digits

Item No.	Order	Extension Group Number	Default	Description	Related Program
01	1~4	00-64 (0 or 00= Don't Care)	00	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 20-10-08

Conditions
None

Feature Cross Reference

❑ Call Arrival Keys (CAR)/Secondary Incoming Extensions (SIE)/ Virtual Extensions (VE)

Program 24 : Hold/Transfer Setup

24-01 : System Options for Hold

Level:
IN

Program

24

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	Default	Related Program
01	**Hold Recall Time** 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).	0~64800 (sec)	90	
02	**Hold Recall Callback Time** 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.	0~64800 (sec)	30	
03	**Exclusive Hold Recall Time** A call left on Exclusive Hold recalls the extension that placed it on Hold after this time.	0~64800 (sec)	90	
04	**Exclusive Hold Recall Callback Time** An Exclusive Hold Recall rings an extension for this time. If not picked up, the call goes back on System Hold.	0~64800 (sec)	30	
05	**Forced Release of Held Call** Depending on the setting of Program 14-01-16, the system disconnects calls on Hold longer than this time.	0~64800 (sec)	1800	14-01-16

Input Data

Item No.	Item	Input Data	Default	Related Program
06	**Park Hold Time - Normal** A call left parked longer than this time recalls the extension that initially parked it.	0~64800 (sec)	90	20-11-19
07	**Park Hold Time - Extended (Recall)** A call left parked longer than this time recalls the extension that initially parked it.	0~64800 (sec)	300	20-11-19

Conditions

None

Feature Cross Reference

❑   Hold

❑   Park

Program 24 : Hold/Transfer Setup

24-02 : System Options for Transfer

Level:
IN

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	Default	Related Program
01	**Busy Transfer** Use this option to prevent or allow extensions to Transfer calls to busy extensions.	0 = Disable (No) 1 = Enable (Yes)	1	
02	**MOH or Ringback on Transferred Calls** 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 = Hold Tone 1 = Ring Back Tone	0	20-03-02
03	**Delayed Call Forwarding Time** 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.	0~64800 (sec)	10	
04	**Transfer Recall Time** An unanswered transferred call recalls to the extension that initially transferred it after this time.	0~64800 (sec)	30	
05	**Message Wait Ring Interval Timer** For SLTs without message waiting lamps, this timer determines the time between intermittent ringing. If this timer is set to 0, the system rings once.	0~64800 (sec)	30	

Input Data

Item No.	Item	Input Data	Default	Related Program
07	**Trunk-to-Trunk Transfer Release Warning Tone** 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).	0~64800 (sec)	1800	14-01-25 20-28-01 20-28-02 20-28-03 24-02-10
08	**Delayed Transfer Timer for all Department Groups**	0~64800 (sec)	10	11-11-28 11-11-29 15-07-59
09	**TBCT Retry Timer**	0~64800 (sec)	10	10-03-16 (PRI)
10	**Disconnect Trunk-to-Trunk**	0~64800 (sec)	0	14-01-25 20-28-01 20-28-02 20-28-03 24-02-07
11	**No Answer Step Transfer**	0~64800 (sec)	10	14-01-26
12	**No Answer Trunk-to-Trunk Transfer**	0~64800 (sec)	0	14-01-26

Conditions
None

Feature Cross Reference

❏   Transfer

Program 24 : Hold/Transfer Setup

24-03 : Park Group

Level:
IN

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 can only pick up a call parked in orbit by an extension in its own group.

Input Data

Extension Number	Maximum 8 digits

Item No.	Park Group Number	Default	Description	Related Program
01	1~64	1	Assign an extension to a Park Group. The system allows a total of 64 Park Groups.	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	001~200

Item No.	Day/ Night Mode	Speed Dial Area Number	Default	Description	Related Program
01	1~8	0~1999	1999	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 : Hold/Transfer Setup
24-05 : Department Group Transfer Target Setup

Level:
IN

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 64 available Department Groups.*

Input Data

Extension Group Number	01~64

Item No.	Day/Night Mode	Speed Dial Area Number	Default	Description	Related Program
01	1~8	0~1999	1999	The Speed Dialing area is used to program the destination number of the transferred telephone number when a Department Group's 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 numbers for each extension/virtual extension. The destination can be up to 24 digits long, using 0~9, ∗, # and P (pause). Be sure to include the trunk access code (e.g., 9) in the number if the destination is off-premise.

Input Data

Extension Number	Maximum 8 digits

Item No.	Input Data	Default
01	**Call Forwarding Type:** 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, #, ∗, P, R, @ (Up to 24 digits)	No Setting
03	**Intercom Call Forwarding Destination for Both ring, All Call, No Answer** 1~9, 0, #, ∗, P, R, @ (Up to 24 digits)	No Setting
04	**CO Call Forwarding Busy Destination** 1~9, 0, #, ∗, P, R, @ (Up to 24 digits)	No Setting
05	**Intercom Call Forwarding Busy Destination** 1~9, 0, #, ∗, P, R, @ (Up to 24 digits)	No Setting

Item No.	Input Data	Default
06	**Call Forwarding Destination for CTX/PBX for All Call, No Answer** 0~9, **#**, **✱**, P, R, @ (Up to 24 digits) **Requires Version 1500 or higher**	None
07	**Call Forwarding Destination for CTX/PBX for Busy** 0~9, **#**, **✱**, P, R, @ (Up to 24 digits) **Requires Version 1500 or higher**	None

Conditions

None

Feature Cross Reference

❑   Call Forwarding, Off-Premise

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Program 25 : DID/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	001~200

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	1	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 : DID/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	001~200

Item No.	Day/Night Mode	Message (Talkie) Source	Additional Data	Default
01	1~8	0 = No Message 1 = VRS 2 = ACI 3 = Department Group	1 = 01~48 (VRS Message Number) 2 = 01~16 (ACI Group Number) 3 = 01~64 (Extension Group Number)	0

Conditions
None

Feature Cross Reference

❑   Direct Inward System Access (DISA)

Program 25 : DID/DISA Setup

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

Level:
IN

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	001~200

Item No.	Day/Night Mode	Incoming Group Number	Default	Related Program
01	1~8	0　　(Disconnect) 1~100 (Incoming Group) 101 (Not Used) 102 (In-Skin/External Voice Mail or In-Mail) 103 (Centralized Voice Mail)	0	22-04

Conditions
None

Feature Cross Reference

❑　　Direct Inward System Access (DISA)

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

Level:
IN

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	001~200

Item No.	Day/Night Mode	Incoming Group Number	Default	Related Program
01	1~8	0 (Disconnect) 1~100 (Incoming Ring Group) 101 (Not Used) 102 (In-Skin/External Voice Mail or In-Mail) 103 (Centralized Voice Mail)	0	22-04

Conditions
None

Feature Cross Reference

❑   Direct Inward System Access (DISA)

Program 25 : DID/DISA Setup
25-05 : VRS/DISA Error Message Assignment

Level:
IN

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 (1~48) the outside caller hears if they dial incorrectly. If you enter 0 (i.e., no error message), the call reroutes according to Program 25-03 and 25-04.

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

Input Data

Trunk Port Number	001~200

Item No.	Day/Night Mode	VRS Message Number	Default
01	1~8	0~48 (0 = No Setting)	0

Conditions
None

Feature Cross Reference

❑   Direct Inward System Access (DISA)

Program 25 : DID/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 Program 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 (eight digits max.) 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	01~48

Received Dial	1-9,0,∗,#

Item No.	Item	Input Data	Default
01	**Next Attendant Message Number**	0-48 (0 = No Setting)	0
02	**Destination Number**	Up to 8 digits	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 : DID/DISA Setup
25-07 : System Timers for VRS/DISA

Level:
IN

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	Default	Related Program
01	**VRS/DISA Dial Tone Time** 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.	0~64800 (sec)	10	25-04
02	**VRS/DISA No Answer Time** 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).	0~64800 (sec)	0	25-04
03	**Disconnect after VRS/DISA re-transfer to IRG**	0~64800 (sec)	60	
04	**Calling Time to Automatic Answering Telephone Set** Set the answering waiting time of the automatic answering extension when an incoming DID trunk call is received.	0~64800 (sec)	10	
05	**Duration Time for Guidance Message by Automatic Answering Telephone Set** Set the announcement time of the automatic answering extension after which in incoming DID trunk caller is disconnected.	0~64800 (sec)	10	
06	**Duration Time for Guidance Message by ACI** Set the announcement time by the ACI after which an incoming DID trunk caller is disconnected.	0~64800 (sec)	10	
07	**Long Conversation Warning Tone Time** 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.	0~64800 (sec)	3600	14-01-25 20-28-01 20-28-02 20-28-03

Input Data

Item No.	Item	Input Data	Default	Related Program
08	**Long Conversation Disconnect** This timer 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.	0~64800 (sec)	10	14-01-25 20-28-01 20-28-02 20-28-03
09	**DISA Internal Paging Time** 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.	0~64800 (sec)	30	
10	**DISA External Paging Time** 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.	0~64800 (sec)	30	
11	**VRS/DISA Answer Delay Timer** Set up the time the system waits after receiving an incoming VRS/DISA call before the system automatically answers the call.	0~64800 (sec)	0	
13	**VRS/DISA Busy Tone Interval** If a DISA caller dials a busy extension (and Program 25-04 = 0), the system plays busy tone for this interval before disconnecting.	0~64800 (sec)	5	
14	**Delayed VRS Answer Timer** 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.	0~64800 (sec)	10	

Conditions

None

Feature Cross Reference

❑   Direct Inward System Access (DISA)

Program 25 : DID/DISA Setup

25-08 : DISA User ID Setup

Level:
SA

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	1~15

Item No.	Password	Default
01	Dial (6 digits fixed)	No Setting

Conditions
None

Feature Cross Reference

❑   Direct Inward System Access (DISA)

Program 25 : DID/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 : DID/DISA Setup
25-10 : Trunk Group Routing for DISA

Level:
IN

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	0~100 (0 = No Setting)	1

Conditions
None

Feature Cross Reference

❏　　Direct Inward System Access (DISA)

Program 25 : DID/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 Program 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)

❑   Toll Restriction

Program 25 : DID/DISA Setup
25-12 : Alternate Trunk Group Routing for DISA

Level:
IN

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 is in turn 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	0~100 (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 : DID/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	Default
01	**VRS Message Access Password** Enter the password DISA callers must dial before the system allows them to record, listen to and or erase the VRS messages.	1-9, 0, ∗, # 6 digits fixed	No Setting
02	**--- Not Used ---**		
03	**--- Not Used ---**		

Conditions
None

Feature Cross Reference

❏   Direct Inward System Access (DISA)

❏   Voice Response System (VRS)

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Program 26 : ARS Service

26-01 : Automatic Route Selection Service

Level:
IN

Description

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

Program

26

Input Data

Item No.	Item	Input Data	Default	Related Programming
01	**ARS Service** Enable or disable ARS.	0 = Disable (Off) 1 = Enable (On)	0	26-02 26-03 26-04
02	**Network Outgoing Inter-Digit ARS Timer** With Networking, this timer replaces 20-03-04 when determining if all network protocol digits have been received. If ARS is enabled at Site B, this timer can be programmed for 5 (500 msec) at Site A. If ARS is disabled and Site B is using F-Route for outbound dialing, this timer should be programmed for 30 (3 seconds) at Site A.	0~64800 (msec)	30	20-03-04
03	**ARS Misdialed Number Handling** 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 = Route to Trunk Group 1 1 = Play Warning Tone to Dialer	0	21-02
04	**--- Not Used ---**			
05	**--- Not Used ---**			
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

Program 26 : ARS Service
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).

❑   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 Programming
01	**Dial**	Dial Digits (16 digits maximum) 1-9, 0, ✱, #, 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 (0~100, 0= No Route) If Service Type 2 (in 26-02): F-Route Time Schedule Not Used = 0~500 (F-Route Table Number). Refer to Program 44-05 : ARS/F-Route Table on page 2-425. F-Route Time Schedule Used = 0~500 (F-Route Selection Number). Refer to Program 44-04 : ARS/F-Route Selection for Time Schedule on page 2-424).	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** Not Used.	0~25	0	

Item No.	Item	Input Data	Default	Related Programming
07	**Network Specified Parameter Table**	0~16	0	

Conditions

None

Feature Cross Reference

❑   Automatic Route Selection

Program 26 : ARS Service
26-03 : ARS Dial Treatments

Level:
IN

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:

❑   **3** - Delete the NPA if dialed as part of the initial call.

   ✎   *Requires at least eleven digits in the ARS table (Program 26-02-01).*

❑   **2** - Delete the leading digit if dialed as part of the initial call.

   ✎   *Requires at least eight digits in the ARS table (Program 26-02-01).*

❑   **1** - Add a leading 1 if not dialed as part of the initial call.

   ✎   *Requires at least eight digits in the ARS table (Program 26-02-01).*

❑   **INPA** - Insert the NPA specified by NPA.

❑   **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 digits 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	24 characters maximum	No Setting

Conditions

None

Feature Cross Reference

❑   Automatic Route Selection

Level:
IN

Program 26 : ARS Service
26-04 : ARS Class of Service

Description

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

Input Data

Extension Number	Up to 8 digits

Item No.	Day/Night Mode	Class	Default
01	1~8	0~16	0

Conditions
None

Feature Cross Reference

❑   Automatic Route Selection

Program 26 : ARS Service

26-05 : LCR Carrier Table

Level:
IN

Description

Use **Program 26-05 : LCR Carrier Table** to set the Carrier Table for LCR.

Input Data

LCR Carrier Table	1~25

Item No.	Item	Input Data	Default
01	**--- Not Used ---**		
02	**--- Not Used ---**		
03	**--- Not Used ---**		
04	**--- Not Used ---**		

Conditions
None

Feature Cross Reference

None

Program 26 : ARS Service
26-06 : LCR Authorization Table

Level:
IN

Description

Use **Program 26-06 : LCR Authorization Table** to set the Authorization Code Table for LCR.

Input Data

LCR Authorization Table	1~10

Item No.	Item	Input Data	Default
01	--- Not Used ---		

Conditions
None

Feature Cross Reference

None

Program 26 : ARS Service
26-07 : LCR Cost Center Code Table

Level:
IN

Description

Use **Program 26-07 : LCR Cost Center Code Table** to set the Cost Center Code for LCR.

Input Data

Extension Number	Up to 8 Digits

Item No.	Item	Input Data	Default
01	--- Not Used ---		

Conditions
None

Feature Cross Reference

None

Program 26 : ARS Service
26-08 : LCR Manual Override Access Code Table

Level:
IN

Description

Use **Program 26-08 : LCR Manual Override Access Code Table** to set the Manual Override Access Codes for LCR.

Input Data

LCR Manual Override Access Code Table	1~10

Item No.	Item	Input Data	Default
01	--- Not Used ---		
02	--- Not Used ---		

Conditions
None

Feature Cross Reference

None

Program 26 : ARS Service
26-09 : LCR Manual Override Exemption Table

Level:
IN

Description

Use **Program 26-09 : LCR Manual Override Exemption Table** to set Manual Override Exemption for LCR.

Input Data

LCR Carrier Table	1~25

Item No.	Item	Input Data	Default
01	--- Not Used ---		

Conditions
None

Feature Cross Reference

None

Program 26 : ARS Service
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 PRG26-03.

Input Data

Transit Network ID Table	1~4

Item No.	Item	Input Data	Default
01	**Transit Network ID (Carrier ID)**	0000~9999 (Fixed 4 Digits)	No setting

Conditions
None

Feature Cross Reference

None

Program 26 : ARS Service
26-12 : Network Specified Parameter Table for ARS

Level:
IN

Description

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

Input Data

Item No.	Item	Input Data	Default
01	**Type of Number**	0 = System Default 1 = Unknown 2 = International No. 3 = National No. 4 = Network Specific No. 5 = Subscriber No. 6 = Abbreviated No.	0
02	**Numbering Plan Identification**	0 = System Default 1 = Unknown 2 = ISDN Plan 3 = Data Plan 4 = Telex Plan 5 = National Standard Plan 6 = Private Plan	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)

❑   ACD Monitor Mode (2)

❑   Business (BS) and ACD Monitor Modes (3)

Program

30

Input Data

DSS Console Number	01~32

Item No.	DSS Operation Mode	Default
01	0 = Business Mode 1 = Hotel Mode 2 = ACD Monitor Mode 3 = BS/ACD	0

Conditions
None

Feature Cross Reference

❑   Direct Station Selection (DSS) Console

❑   Hotel/Motel

Program 30 : DSS/DLS Console Setup
30-02 : DSS Console Extension Assignment

Level:
IN

Description

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

❑ Up to 32 different extensions with DSS Consoles can be set up. A single extension can have up to four 60-button DSS Consoles (32 is the maximum allowed per system).

When programming, each extension/DSS Console(s) combination is called a Console Number. There are 32 Console Numbers (1~32). 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	01~32

Item No.	Item	Description	Default
01	**Extension Number**	The extension number for the multiline terminal connected with the DSS console (up to 8 digits)	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 Assignments** to customize the key assignments for 60-button DSS Consoles. A DSS Console key can have any function up to four digits long (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's lamping.

Input Data

Index 1

DSS Console Number	01~32

Index 2

Item No.	Key Number	Function Number	Additional Data
01	01~60	0~99 (General Functional Level) ✱ 00 ~ ✱ 99 (Appearance Functional Level)	Refer to Function Number List on the following pages.

Function Number List
[1] General functional level (00~99)

Function Number	Function	Additional Data	LED Indication
00	--- Not Used ---		
01	DSS / One-Touch	Extension Number or any Numbers (up to 24 digits)	**Red On:** Extension Busy **Off:** Extension Idle **Rapid Blink (Red):** DND or Call Forward
02	Microphone Key (ON/OFF)		**Red On:** Mic On **Off:** Mic Off
03	DND Key		**Red On:** DND
04	BGM (ON/OFF)		**Red On:** BGM On **Off:** BGM Off
05	Headset		**Red On:** Under Headset Operation
06	Transfer Key		None
07	Conference Key		**Red On:** Under Conference Operation
08	Incoming Call Log		**Rapid Blink (Red):** New Call Log **Red On:** Call Log **Off:** No Call Log
09	Day/Night Mode Switch	Mode Number (1~8)	**Red On:** On mode
10	Call Forward – Immediate		**Slow Blink (Red):** Forwarding State **Rapid Blink (Red):** Forwarded State
11	Call Forward – Busy		**Slow Blink (Red):** Forwarding State **Rapid Blink (Red):** Forwarded State
12	Call Forward – No Answer		**Slow Blink (Red):** Forwarding State **Rapid Blink (Red):** Forwarded State
13	Call Forward – Busy/No Answer		**Slow Blink (Red):** Forwarding State **Rapid Blink (Red):** Forwarded State
14	Call Forward – Both Ring		**Slow Blink (Red):** Forwarding State **Rapid Blink (Red):** Forwarded State
15	Follow Me		**Slow Blink (Red):** Forwarding State **Rapid Blink (Red):** Forwarded State
16	--- Not Used ---		
17	--- Not Used ---		
18	Text Message Setup	Message Numbers (01~20)	**Red On:** Feature active by Function Key

Function Number List (Continued)
[1] General functional level (00~99)

Function Number	Function	Additional Data	LED Indication
19	External Group Paging	External Paging Number (1~8)	**Red On:** Active
20	External All Call Paging		**Red On:** Active
21	Internal Group Paging	Internal Paging Number (01~64)	**Red On:** 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	None
27	Speed Dial – System/ Private	Speed Dial Number (Speed/Private)	None
28	Speed Dial – Group	Speed Dial Number (Group)	None
29	Repeat Redial		**Rapid Blink (Red):** Under a Repeat Dial
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		**Red On:** Under Camp-On or Reservation
36	Step Call		None
37	DND/FWD Override Call		None
38	Message Waiting		None

Function Number List (Continued)
[1] General functional level (00~99)

Function Number	Function	Additional Data	LED Indication
39	Room Monitoring		**Rapid Blink (Red):** Under Monitored **Slow Blink (Red):** Under Monitoring With Room Monitor there are two parties in the monitor, one being monitored and one who is monitoring. The same key is used on both phones, but the COS says if the key is set to be either a monitored or monitoring party.
40	Handset Transmission Cutoff		**Red On:** Transmission cut-off
41	Secretary Buzzer	Extension Number	**Red On:** Transmission Side **Rapid Blink (Red):** Receiver Side
42	Boss – Secretary Call Pickup	Extension Number	**Red On:** Boss – Secretary Mode
43	Series Call		None
44	Common Hold		None
45	Exclusive Hold		None
46	Department Group Log Out		**Red On:** Logged Out
47	Reverse Voice Over	Extension Number	**Red On:** Extension Busy **Off:** Extension Idle **Rapid Blink (Red):** DND or Call Forward
48	Voice Over		**Calling Party - Slow Blink (Red):** Under a Call, Under a Response **Called Party - Slow Blink (Red):** Under a Call, Under a Response
49	Call Redirect	Extension Number or Voice Mail Number	None
50	Account Code		None
51	General Purpose Relay	Relay No (0, 1~8)	**Red On:** Relay On
52	Automatic Answer with Delay Message Setup	Incoming Group Number	**Red On:** Under Setting
53	Automatic Answer with Delay Message Starting		**Red On:** Active
54	External Call Forward by Door Box		**Red On:** Active

Function Number List (Continued)
[1] General functional level (00~99)

Function Number	Function	Additional Data	LED Indication
55	Extension Name Edit		None
56	Department Incoming Call – Automatic Transfer		
57	Department Incoming Call – Delayed		
58	Department Incoming Call – Immediate	Extension Group Number (01~64)	
59	Department Incoming Call – Delay	Extension Group Number (01~64)	
60	Department Incoming Call – DND	Extension Group Number (01~64)	
61	--- Not Used ---		
63	Outgoing Call Without Caller ID (ISDN)		**Red On:** Active
64	--- Not Used ---		
65	--- Not Used ---		
66	CTI		**Red On:** CTI active
67	Mail Box	Extension Number or Department Group Number	**Rapid Blink (Green):** New Message Received **Red On:** Listening to Messages
68	Voice Mail Service	0 = Play Skip 1 = Play Back Skip 2 = Monitor	2-In case of monitor mode **Slow Blink (Red):** Monitor Setting - Automatic **Red On:** Monitor Setting - Manual
69	Recording Service (DSPII-U10)	0 = Play Skip 1 = Play Back Skip 2 = Automated Attendant Monitor	
70	Automated Attendant for Extension	Extension Number or Department Group Number	None
71	Message Change for Voice Attendant	Extension Number or Department Group Number	None
72	Keypad Facility Key		
73	Keypad Hold Key		
74	Keypad Retrieve Key		

Function Number List (Continued)
[1] General functional level (00~99)

Function Number	Function	Additional Data	LED Indication
75	Keypad Conference Key		
76	Toll Restriction in Credit		
77	Voice Mail (In-Skin)	Extension Number or Pilot Number	**Red On:** Access to Voice Mail **Rapid Blink (Green):** New Message
78	Conversation Recording	0 = Conversation recording 1 = Delete, Re-recording 2 = Delete	**Rapid Blink (Red):** Recording
79	Automated Attendant (In-Skin)	Extension Number or Pilot Number	**Red On:** Set Up for All Calls **Slow Blink (Red):** Set Up for Busy/No Answer Calls
80	Tandem Ringing	0 = Cancel 1 = Set Extension Number to Tandem Ring	**Red On:** Active
81	Automatic Transfer to Transfer Key	Trunk Line Number 001~200	
82	D^{term} IP Call Log		
83	Conversation Recording Function	0 = Pause 1 = Re-record 2 = Address 3 = Erase 4 = Urgent Page	
92	Wake Up Call Indication		**Green On:** Wake Up Call Indication Mode On **Off:** Wake Up Call Indication Mode Off
93	Room Status Indication		**Green On:** Active Room Status **Off:** Room Status Indication Mode Off

Function Number List
[2] Appearance Function Level (∗00 - ∗99) (Service Code 752)

Function Number	Function	Additional Data	LED Indication
∗00	--- Not Used ---		

Function Number List (Continued)
[2] Appearance Function Level (∗00 - ∗99) (Service Code 752)

∗01	Trunk Key	Trunk Number (001~200)	
∗02	Trunk Group/Loop Key	Trunk Group Number (001~100)	
∗03	--- Not Used ---		
∗04	Park Key	Park Number (01~64)	
∗05	--- Not Used ---		
∗06	Trunk Access Via Networking	Network System Number (01~50)	
∗07	Station Park Hold None		
∗08	--- Not Used ---		
∗10	ACD Log-In/Log-Out		**Red On:** Under Log-On **Off:** Under Log-Off
∗11	--- Not Used ---		
∗12	ACD Emergency Call		Emergency Call **Red On:** Under monitor, Override, Standby
∗13	ACD Off Duty Mode		**Red On:** Under off-duty **Slow Blink (Red):** Under Reservation
∗14	ACD Start / End		**Red On:** ACD Operation End
∗15	ACD Monitor Mode		**Red On:** Under Monitor
∗16	ACD Standby Mode		**Red On:** Standby
∗17	ACD Wrap-Up Mode		**Red On:** Under work time **Slow Blink (Red):** Under Reservation
∗18	ACD Overflow Control	ACD Group Number	**Red On:** Enable **Slow Blink (Red):** Disable
∗19	ACD Queue Status Display		

Default

❍ The DSS keys 01~60 of all DSS consoles = DSS/One-Touch key 101~160.

Conditions
None

Feature Cross Reference

❑   Direct Station Selection (DSS) Console

Program 30 : DSS/DLS Console Setup

30-05 : DSS Console Lamp Table

Level:
IN

Description

Use **Program 32-05 : DSS Console Lamp Table** to define the LED patterns for functions on the DSS consoles.

Input Data

Item No.	Item	Lamp Pattern Data	Default
01	**--- Not Used ---**		
02	**Busy Extension**	0~7	7 (On)
03	**DND Extension**	0~7	3 (RW)
04	**ACD Agent Busy**	0~7	7 (On)
05	**Out of Schedule (ACD DSS)**	0~7	0 (Off)
06	**ACD Agent Log Out (ACD DSS)**	0~7	5 (IL)
07	**ACD Agent Log In (ACD DSS)**	0~7	4 (IR)
08	**ACD Agent Emergency (ACD DSS)**	0~7	6 (IW)
09	**Hotel Status Code 1 (Hotel DSS)**	0~7	7 (On)
10	**Hotel Status Code 2 (Hotel DSS)**	0~7	1 (FL)
11	**Hotel Status Code 3 (Hotel DSS)**	0~7	2 (WK)
12	**Hotel Status Code 4 (Hotel DSS)**	0~7	3 (RW)
13	**Hotel Status Code 5 (Hotel DSS)**	0~7	5 (IL)
14	**Hotel Status Code 6 (Hotel DSS)**	0~7	3 (RW)
15	**Hotel Status Code 7 (Hotel DSS)**	0~7	6 (IW)
16	**Hotel Status Code 8 (Hotel DSS)**	0~7	4 (IR)
17	**Hotel Status Code 9 (Hotel DSS)**	0~7	3 (RW)
18	**Hotel Status Code 0 (Hotel DSS)**	0~7	0 (Off)
19	**Hotel Status Code * (Hotel DSS)**	0~7	4 (IR)
20	**Hotel Status Code # (Hotel DSS)**	0~7	5 (IL)

Input Data

Item No.	Item	Lamp Pattern Data	Default
21	**VM Message Indication**	0~7	3 (RW)

Table 2-7 LED Patterns for DSS Console

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]

Conditions
None

Feature Cross Reference

❑   Direct Station Selection (DSS) Console

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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 @ [¥] ^ _ ` { | } → ← Á À Â Ã Ç É Ê 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 ! " # $ % & ' ( ) ô õ ú ä ö ü α ε θ

<table>
<tr><td colspan="2" align="center">Key for Entering Names (Continued)</td></tr>
<tr><td colspan="2" align="center">When entering names in the procedures below, refer to this chart. Names can have up to 12 digits.</td></tr>
<tr><td align="center">Use this keypad digit . . .</td><td align="center">When you want to. . .</td></tr>
<tr><td align="center">✳</td><td>Enter characters:
✳ + , - . / : ; < = > ? π Σ σ Ω ∞ ¢ £</td></tr>
<tr><td align="center">#</td><td># = 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.)</td></tr>
<tr><td align="center">CONF</td><td>Clear the character entry one character at a time.</td></tr>
<tr><td align="center">HOLD</td><td>Clear all the entries from the point of the flashing cursor and to the right.</td></tr>
</table>

Input Data

Item No.	Item	Input Data	Default	Description	Related Program
01	**All Call Paging Zone Name**	Up to 12 Characters	Group All	Assign a name to each All Call Internal Paging zone. The name shows on the display of the telephone making the announcement.	11-12-19 31-02-02
02	**Page Announcement Duration**	0~64800 (sec)	1200	This timer sets the maximum length of Page announcements.	
04	**Privacy Release Time**	0~64800 (sec)	90	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.	

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 64 paging groups. An extension can be in only one Internal Paging Group.

Input Data

Extension Number	Maximum 8 digits

Item No.	Item	Input Data	Default
01	**Internal Paging Group Number** Assign extensions to Internal Paging Groups (i.e., Page Zones). The system allows up to 64 Internal Paging Groups. An extension can be in only one Internal Paging Group.	0~64 (0 = No Setting)	0 for IP Station 1 for TDM Station
02	**Internal All Call Paging Receiving** 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.	0 = Off 1 = On	0

Conditions
None

Feature Cross Reference

❑   Paging, Internal

Program 31 : Paging Setup
31-03 : Internal Paging Group Settings

Level:
IN

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 @ [¥] ^ _ ` { | } → ← Á À Â Ã Ç É Ê 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 ! " # $ % & ' ( ) ô õ ú ä ö ü α ε θ
✱	Enter characters: ✱ + , - . / : ; < = > ? π Σ σ Ω ∞ ¢ £

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. . .
#	# = 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.)
CONF	Clear the character entry one character at a time.
HOLD	Clear all the entries from the point of the flashing cursor and to the right.

Input Data

Internal Paging Group Number	01~64

Item No.	Item	Input Data	Default	Description
01	**Internal Paging Group Name**	Up to 12 Characters	See default table below	Assign name to Internal Paging Groups (i.e., Page Zones). The system shows the name you program on the telephone display.
02	**Internal Paging Splash Tone**	0 = Ordinary Volume (Normal) 1 = Mute 2 = No Tone (None)	0	Allow an extension to have normal (0), muted (1) or no (2) Internal Paging alert beeps before a Paging announcement.

Default

Item 01 : Internal Paging Group Name

Extension Paging Group	Name
01	Group 1
02	Group 2
:	:
64	Group 64

Conditions
None

Feature Cross Reference

❑   Paging, Internal

Program 31 : Paging Setup
31-04 : External Paging Zone Group

Level:
IN

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. When programming, the zones on the PGD(2)-U10 ADP are numbers 1~8. On the Electra Elite IPK II system, the CPUII zone is number 9.

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	1~9

Item No.	Paging Group Number	Default
01	0~8 (0 = No Setting)	Speaker 1 [PGD(2)-U10] = 1 (Group 1) Speaker 2 [PGD(2)-U10] = 2 (Group 2) Speaker 3 [PGD(2)-U10] = 3 (Group 3) Speaker 4 [PGD(2)-U10] = 4 (Group 4) Speaker 5 [PGD(2)-U10] = 5 (Group 5) Speaker 6 [PGD(2)-U10] = 6 (Group 6) Speaker 7 [PGD(2)-U10] = 7 (Group 7) Speaker 8 [PGD(2)-U10] = 8 (Group 8) Speaker 9 (CPUII) = 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. When programming, the zones on the PGD(2)-U10 ADP are numbers 1~8. The CPUII zone is number 9. For UNA ringing, make a separate entry for each Night Service mode.

Input Data

Trunk Port Number	1~200

External Speaker Number	1~9

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 : Paging Setup
31-06 : External Speaker Control

Level:
IN

Description

Use **Program 31-06 : External Speaker Control** to define the settings for the external speaker using an amplifier.

Input Data

External Speaker Number	1~9

Item No.	Item	Input Data	Default
01	**Broadcast Splash Tone Before Paging (Paging Start Tone)** Use this option to enabled or disable splash tone before Paging over an external zone. If enabled, the system broadcasts a splash tone before the External Paging announcement.	0 = No Tone (None) 1 = Splash Tone 2 = Chime Tone	2
02	**Broadcast Splash Tone After Paging (Paging End Time)** Use this option to enabled 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.	0 = No Tone (None) 1 = Splash Tone 2 = Chime Tone	2
03	**Speech Path** Determine if the external speaker will be used for talkback (As this option is not available with the CPUII external page zone, speaker 9 should be left at "1".	0 = Both Way (Duplex) 1 = One Way (PGD -> SPK) (Simplex)	1
04	**CODEC Transmit Gain Setup**	1~63 (-15.5 ~ +15.5dB)	32
05	**CODEC Receive Gain Setup**	1~63 (-15.5 ~ +15.5dB)	32

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 (0~8) to an Internal Paging Zone (0~64) 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 (1~9) to an External Page Group (1~8).

Input Data

External Paging Group Number	0~8 (0 = All External Paging)

Item No.	Internal Paging Group Number	Default
01	0~64 (0 = All internal paging)	1

Conditions
None

Feature Cross Reference

❑   Paging, External

❑   Paging, Internal

Program 31 : Paging Setup
31-08 : BGM on External Paging

Level:
IN

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.

When programming, the zones on the PGD(2)-U10 ADP are numbers 1~8. The CPUII zone is number 9.

Input Data

External Speaker Number	1~9

Item No.	Item	Item	Input Data	Default
01	**BGM**	Use this option to allow or prevent the External Paging zone you select from broadcasting Background Music when it is idle.	0 = Disable (No) 1 = Enable (Yes)	0

Conditions
None

Feature Cross Reference

❑   Background Music

❑   Paging, External

Program 32 : Door Box and Sensor Setup

32-01 : Door Box Timers

Level:
IN

Program

32

Description

Use **Program 32-01 : Door Box Timers** 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	Default
01	**Door Box Answer Time** A multiline user must answer Door Box chimes during this time.	0~64800	30
02	**Door Lock Cancel Time** When a single line (2500 type) 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.	0~64800	10
03	**Off-Premise Call Forward by Door Box Disconnect Timer** Define the conversation period for an Off-Premise Call Forward by Door Box call. When this timer expires, the caller hears busy tone for 3 seconds (fixed time), and the call is then disconnected.	0~64800	60

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	1~8

Day/Night Mode	1~8

Item No.	Door Box Ring Group Number	Extension Number	Default
01	01~32	Maximum 8 Digits	No Setting

Conditions
None

Feature Cross Reference

❑ Door Box

Program 32 : Door Box and Sensor Setup
32-03 : Door Box Basic Setup

Level:
IN

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 Program 80-01.

✎ *The Door Box feature called Door Phone when programming via WebPro and using a Multiline Terminal.*

Input Data

Door Box Number	1~8

Item No.	Item	Input Data	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 Door Box 7 = 1 Door Box 8 = 1
02	**CODEC Transmit Gain Setup** (PGD to Door Box)	1~63 (-15.5 ~ +15.5dB)	32
03	**CODEC Receive Gain Setup** (Door Box to PGD)	1~63 (-15.5 ~ +15.5dB)	32

Conditions
None

Feature Cross Reference

❑   Door Box

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Program 33 : CTA and ACI Setup
33-01 : ACI Port Type Setup

Level:
IN

Program

33

Description

Use **Program 33-01 : ACI Port Type Setup** to set the function of each software port on an Analog Communications Interface. Each ACI software port can have only one function (input, output or none).

Input Data

ACI Port Number	01~96

Item No.	ACI Type	Default
01	0 = None 1 = MOH/BGM (Input) 2 = External Audio Port (Input/Output)	2

Conditions
None

Feature Cross Reference

❏   Analog Communications Interface (ACI)

Program 33 : CTA and ACI Setup
33-02 : ACI Department Calling Group

Level:
IN

Description

Use **Program 33-02 : ACI Department Calling Group** to assign ACI ports to Department Groups. An ACI port can be in only one group.

Also use this program to set the ACI port priority. When a call comes into the ACI Department Group, it connects to the ACI port in order of its priority. A higher priority port (e.g., 1) receives calls before a lower priority port (e.g., 6). There are 96 ACI ports and 16 ACI Department Groups available.

Input Data

ACI Port Number	01~96

Item No.	Group Number	Priority
01	01~16	1~96

Default

ACI Port	Group	Priority
01	1	1
02	1	2
:	:	:
96	1	96

Conditions
None

Feature Cross Reference

❑   Analog Communications Interface (ACI)

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 defines the basic settings for each E&M Tie line.

Input Data

Trunk Port Number	001~200

Item No.	Item	Input Data	Default	Description	Related Program
01	**DID/E&M Start Signaling**	0 = 2nd dial tone 1 = Wink 2 = Immediate 3 = Delay	1	Set the start signaling mode for DID and tie trunks. DID and tie trunks can use either immediate start or wink start signaling.	22-02
02	**--- Not Used ---**				
03	**E&M Dial-In Mode**	0 = Specify Extension Number (Intercom) 1 = Use conversion table (NTT)	0	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.	22-11
04	**E&M Line Dial Tone**	0 = Disable (No) 1 = Enable (Yes)	1	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.	
05	**System Toll Restriction**	0 = No 1 = Yes	0	Determine if an incoming Tie Line call should be subject to Toll Restriction.	

Conditions
None

Feature Cross Reference

❑   Tie Lines

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	1~200

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

❑   Tie Lines

Program 34 : Tie Line Setup
34-03 : Trunk Group Routing for E&M Tie Lines

Level:
IN

Description

Use **Program 34-03 : Trunk Group Routing for E&M Tie Lines** to assign the trunk group route 1~8 or 1~100) 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, dialing 9 accesses ARS. Make a separate entry for each Tie Line - for each Night Service Mode.

Input Data

Trunk Port Number	001~200

Item No.	Day/Night Mode	Route Table Number	Default
01	1~8	0~100 (0 = Setting)	1

Conditions
None

Feature Cross Reference

❑   Tie Lines

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	001~200

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

❏ Tie Lines

Program 34 : Tie Line Setup
34-05 : Tie Line Outgoing Call Restriction

Level:
IN

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	001~100

Outgoing Trunk Group Number	Input Data	Default
1~100	0 = Enable (Y-Tandem) 1 = Disable (N-Tandem)	0

Conditions
None

Feature Cross Reference

❑   Tie Lines

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 extensions do not want to receive an incoming call, you 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	001~100

Item No.	Item	Input Data	Default
01	**Delete Digit**	0~255 (255 = delete all digits)	0
02	**Additional Dial Digits**	Up to 4 digits	No Setting

Conditions
None

Feature Cross Reference

❑   Tie Lines

Program 34 : Tie Line Setup

34-07 : E&M Tie Line Timer

Level:
IN

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	ODT/SRT Mark Method	0~64800	3
02	ODT/SRT Wink Start Method	0~64800	0
03	1st Digit Pause (LDT)	0~64800	3
04	Leased Line Guard (LDT)	0~64800	0
05	Trunk Answer Detect Timer for E&M / E1	0~64800	30

Conditions

❍ If PRG 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

❑ Tie Lines

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	No Setting	21-05-13

Conditions

None

Feature Cross Reference

❑   Tie Lines

Program 34 : Tie Line Setup
34-09 : ANI/DNIS Service Options

Level:
IN

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.	Name	Input Data	Default		Related Program
			COS 01~14	**COS 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.)	0 = Address 1 = ✱ANI✱ 2 = ✱DNIS✱ 3 = ✱ANI✱Address✱ 4 = ✱ANI✱DNIS✱ 5 = ✱DNIS✱ANI✱ (✱ = Delimiter Code)	0	0	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 (Item08) (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

Item No.	Name	Input Data	Default		Related Program
			COS 01~14	COS 15	
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 8 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, then 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 24 digits can be matched. Define the range of the ABB table to be used in Program 34-09-06. The data is then 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	13-04-01 13-04-03 22-09-01 22-11 34-09-05 34-09-06
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, 100~1900 End = 0, 99~1999	Start = 1000 End = 1199	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

Item No.	Name	Input Data	Default		Related Program
			COS 01~14	COS 15	
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 1=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

❑ T1 Trunking (with ANI/DNIS Compatibility)

❑ Tie Lines

Program 34 : Tie Line Setup
34-10 : Digits Delete for T-1 ANI Assignment

Level:

IN

Description

Use **Program 34-10 : Digits Delete for T-1 ANI Assignment** to delete the Information Digits received from the Network on Feature Group D Trunks.

Input Data

Item No.	Item	Input Data	Default	Description
01	**Delete Digits for T-1 ANI –** This option defines the number of digits to delete from the information element received from Telco. **Requires Version 1.10 or higher CPUII Software**.	0~9	2	Assign the number of information digits to delete from the element received from the Network.

Conditions
None

Feature Cross Reference

❏   T1 Trunking (with ANI/DNIS Ability)

Example:

Example of ANI information KP009727517645STKP7100ST.

00   Information digits

9727517645   ANI information

7100   DNIS Digits

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Program 35 : SMDR Account Code Setup

35-01 : SMDR Options

Level:
IN

Program

35

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	1~8

Item No.	Item	Input Data	Default
01	**Output Port Type** 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.	0 = None 1 = COM (CPUII) 3 = LAN 4 = CTA/CTU	0
02	**Output Destination Number** This option specifies the SMDR printer output extension (CTA/CTU extension number).	Up to 8 digits	No Setting
03	**Header Language** Specify the language in which the SMDR header should be printed.	0 = English 1 = German 2 = French 3 = Italian 4 = Spanish	0
04	**Omit Digits** The number of digits entered in this option do 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.	0~24 (0 = Not applied)	0
05	**Minimum Digits** Outgoing calls must be at least this number of digits for inclusion in the SMDR report.	0~24 (0 = Not Applied)	0
06	**Minimum Call Duration** The duration of the call must be at least this time to be included on the SMDR report.	0~65535 (sec) (0 = All)	0

Item No.	Item	Input Data	Default
07	**Minimum Ring Time (For Incoming Calls)** A call must ring for at least this time to be included on the SMDR report.	0~65535 (sec) (0 = All)	0
08	**Format Selection**	0 = NA Type (North America) 1 = G/J Type (Overseas/ Japan)	0

Conditions
None

Feature Cross Reference

❑   Station Message Detail Recording

Program 35 : SMDR Account Code Setup

35-02 : SMDR Output Options

Level:
IN

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	1~8

Item No.	Item	Input Data	Default
01	**Toll Restricted Call** SMDR can include or exclude calls blocked by Toll Restriction.	0 = Not Displayed 1 = Displayed	1
02	**PBX Calls** When the system is behind a PBX, SMDR can include all calls or just calls dialed using the PBX trunk access code.	0 = Not Displayed 1 = Displayed	1
03	**Trunk Number or Name** 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.*	0 = Name 1 = Number	1
04	**Summary (Daily)** Set this option to (1) to have the SMDR report provide a daily summary (at midnight every night).	0 = Not Displayed 1 = Displayed	1
05	**Summary (Weekly)** Set this option to (1) to have the SMDR report provide a weekly summary (every Saturday at midnight).	0 = Not Displayed 1 = Displayed	1
06	**Summary (Monthly)** Set this option to (1) to have the SMDR report provide a monthly summary (at midnight on the last day of the month).	0 = Not Displayed 1 = Displayed	1

Item No.	Item	Input Data	Default
07	**Toll Charge Cost** Set this option to (1) have the SMDR report include toll charges.	0 = Not Displayed 1 = Displayed	1
08	**Incoming Call** Enable this option (1) to have the SMDR report include incoming calls. If you disable this option (0), incoming calls do not print.	0 = Not Displayed 1 = Displayed	1
09	**Extension Number or Name** Set this option (1) to have the SMDR report include extension numbers. Set this option (0) to have the SMDR report include extension names.	0 = Name 1 = Number	1
10	**All Lines Busy (ALB) Output** Determine if the All Lines Busy (ALB) indication should be displayed.	0 = Not Displayed 1 = Displayed	0
11	**Walking Toll Restriction Table Number**	0 = Not Displayed 1 = Displayed	1
12	**DID Table Name Output** Determine if the DID table name should be displayed.	0 = Not Displayed 1 = Displayed	0
13	**CLI Output When DID to Trunk** Determine if the CLI output should be displayed for DID.	0 = Not Displayed 1=Displayed	0
14	**Date** Determine whether 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 = Not Displayed 1 = Displayed	0
15	**CLI / DID Number Switching** Determine whether or not the CLI/DID Number Switching should be displayed.	0 = CLI (CLIP) 1 = DID Calling Number	0
16	**Trunk Name or Received Dialed Number** 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 = Trunk Port Name 1 = Received Dialed Number	0
17	**Print Account Code or Caller Name of Incoming Call** Determine if SMDR should print Account Code or Caller Name of Incoming Call.	0 = ACC 1 = CNAME	0

Item No.	Item	Input Data	Default
18	**Print Mode for Caller Name of Incoming Call** Determine how SMDR should print Caller Name of Incoming Call.	0 = Normal 1 = Line Feed	0

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

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	1~100

Item No.	SMDR Port No.	Default
01	1~8	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 64 available Department Groups.*

Input Data

Department Group Number	01~64

Item No.	SMDR Port No.	Default
01	1~8	1

Conditions
None

Feature Cross Reference

❑   Station Message Detail Recording

Program 35 : SMDR Account Code Setup

35-05 : Account Code Setup

Level:
IN

Description

Use **Program 35-01 : 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	Default
01	**Account Code Mode** Use this option to select the Account Code Mode (0~3).	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)	0
02	**Forced Account Code Toll Call Setup** Use this option enable Account Codes for all calls or just toll calls (for mode 2 or 3 in Item 01 above).	0 = Account Codes for toll and local calls (All) 1 = Account Codes just for toll calls (STD)	0
03	**Account Codes for Incoming Calls** 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 = Account Codes for incoming calls disabled (No) 1 = Account Codes for incoming calls enabled (Yes)	0
04	**Hiding Account Codes** Use this option to either hide or show the Account codes on a telephone display.	0 = Account Codes displayed 1 = Account Codes not displayed	0

Conditions
None

Feature Cross Reference

❏   Account Codes

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 2000 codes with 3~6 digits, using the
characters 0~9 or #. Use the LK1 to enter a wild card. For example, the entry
FLASH234 means the user can enter 0234-9234.

Input Data

Verified Account Code Bin Number	1~2000

Item No.	Verified Account Code	Default
01	1~9, 0, #, @ (@ = Wild card) (Up to 16 digits)	No Setting

Conditions
None

Feature Cross Reference

❑   Account Codes

Program 40 : Voice Recording System

40-01 : Voice Mail Basic Setup

Level:
IN

Program

40

Description

Use **Program 40-01 : Voice Mail Basic Setup** to define the basic operation of Voice Mail (DSPII-U10 Unit).

Input Data

Item No.	Item	Input Data	Default	Description
01	**Exclusive Channel for Voice Mail**	0~16	0	Specify the number of channels of DSPII-U10 Unit which voice mail occupies.
02	**Time Stamp**	0 = Disable (Off) 1 = Enable (On)	1	
03	**Conversation Recording Mode for After Transfer**	0 = Not Continue (No) 1 = Continue (Yes)	1	Specify whether recording should continue after a hold transfer when recording a conversation.
04	**Automated Attendant (Voice Mail) for No Existing Extension**	0 = Disable (Off) 1 = Enable (On)	1	
05	**Maintenance Time**	0000~2359 (0000 = No Setting)	0000	Specify time to maintain for DSPII-U10 Unit record media.
06	**Automatically Erase Message**	0~180	0	
07	**Escape Service during Automated Attendant**	0 = Disable (Off) 1 = Enable (On)	0	

Conditions
None

Feature Cross Reference

❑   Voice Mail Integration (Analog)

Program 40 : Voice Recording System

40-02 : Mailbox Setup

**Level:
SA**

Description

Use **Program 40-02 : Mailbox Setup** to define the mailbox of the Voice Mail (DSPII-U10 Unit).

There are a maximum of 300 mailboxes in the DSPII-U10 Unit. Use this program to set the box number and password linked to the extension number (or pilot number) for each mailbox.

Input Data

DSPII-U10 Message Box Number	01~300

Item No.	Item	Input Data	Default	Description
01	**Mailbox Number**	Dial (Up to 8 digits)	No Setting	A mailbox number should use the same number as an extension.
02	**Mailbox Password**	Dial (4 digits)	No Setting	If not required, leave this option empty.

Conditions
None

Feature Cross Reference

❑   Voice Mail

Program 40 : Voice Recording System

40-03 : Message Recording Setup

Level:
IN

Description

Use **Program 40-03 : Message Recording Setup** to define the auto-answering operation of the Voice Mail (DSPII-U10 Unit).

Input Data

Item No.	Item	Input Data	Default
01	**Voice Mail Recording Time**	1 to 10 minutes	1
02	**Guidance Message in Case Recording not Allowed**	0 = Fixed Guidance Message 1 = Answer Message of Mailbox	0
03	**Response Message Automatically Sent out when Busy**	0 = Disable (No) 1 = Enable (Yes)	0

Conditions
None

Feature Cross Reference

❑   Voice Mail

Program 40 : Voice Recording System
40-04 : Live Recording Setup

Level:
IN

Description

Use **Program 40-04 : Live Recording Setup** to define the conversation recording operation of the Voice Mail (DSPII-U10 Unit).

Input Data

Item No.	Item	Input Data	Default	Description
01	**Operation Mode when Destination not Defined**	0 = Temporary Mailbox (Set) 1 = Callback Operation	1	
02	**Temporary Mailbox Number**	0~300	0	Set up the temporary mailbox number.
03	**Live Recording Display**	0 = Enable (Display) 1 = Disable (No Display)	0	Enables or disables the system ability to display recording status when the recording feature is active.
04	**Callback**	0 = Starting Extension of Conversation Recording (Start) 1 = Last Extension of Conversation Recording (Last)	0	Specify the recall destination when a transfer destination is not found.

Conditions
None

Feature Cross Reference

❑   Voice Mail

Program 40 : Voice Recording System

40-05 : Call Information Setup

Level:
IN

Description

Use **Program 40-05 : Call Information Setup** to define the incoming notice of the Voice Mail (DSPII-U10 Unit).

Input Data

Item No.	Item	Input Data	Default
01	**Maximum Number of Outgoing Call Simultaneously**	0~16	1
02	**Trunk Route Number**	0~100	1
03	**ISDN Calling Party Number**	1~0, ✱, # (maximum 16 digits)	No Setting
04	**Call Interval for Intercom Call**	1~30 minutes	10
05	**Call Interval for External Call**	1~30 minutes	10
06	**Maximum Number of Intercom Call**	1~100	3
07	**Maximum Number of External Call**	1~100	3

Conditions

None

Feature Cross Reference

❑ Voice Mail

Program 40 : Voice Recording System
40-06 : Voice Mail Automated Attendant Data Setup

Level:
IN

Description

Use **Program 40-06 : Voice Mail Automated Attendant Data Setup** to define the outside lines to use the automated attendant recording operation of the Voice Mail (DSPII-U10 Unit).

Input Data

Trunk Port Number	1~200

Day/Night Mode	1~8

Item No.	Item	Input Data	Default
01	**Operation Mode**	0 = Automated Attendant 1 = Not Used	0
02	**Guidance Message Number**	0~48	0
03	**Message Box Number for Leaving a Message**	0~300	0

Conditions
None

Feature Cross Reference

❑   Voice Mail

Program 40 : Voice Recording System
40-07 : Voice Prompt Language Assignment for VRS

Level:
IN

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**	0 = Japanese 1 = English 2 = German 3 = Norwegian	1

Conditions
None

Feature Cross Reference

❏   Voice Mail

Program 40 : Voice Recording System
40-08 : Voice Prompt Language Assignment for Mailboxes

Level:
IN

Description

Use **Program 40-08 : Voice Prompt Language Assignment for Mailboxes** to select the language to be used for the mailboxes.

Input Data

Item No.	Item	Input Data	Default
01	**Voice Prompt Language Assignment for Mailboxes**	0 = Japanese 1 = English 2 = German 3 = Norwegian	1

Conditions
None

Feature Cross Reference

❏   Voice Mail

Program 40 : Voice Recording System
40-09 : Voice Mail Multiple Address Group Setup

Level:
IN

Description

Use **Program 40-09 : Voice Mail Multiple Address Group Setup** to define the broadcast group of a Voice Mail (DSPII-U10 Unit) mailbox.

Input Data

Multiple Address Group Number	1~10

Item No.	Destination Box Number	Box Number	Default
01	1~100	Dial (Up to 8 digits)	No Setting

Conditions
None

Feature Cross Reference

❑   Voice Mail

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	Default
01	**VRS Fixed Message** Enable (1) or disable (0) the system ability to play the fixed VRS messages (such as You have a message.).	0= Not Used 1= Used	0
02	**General Message Number** This item assigns the VRS message number to be used as the General Message.	0~48 (0=No General Message Service)	0
03	**VRS No Answer Destination** This item assigns the transferred Ring Group when the VRS is unanswered after Call Forwarding with Personal Greeting Message.	0~100 (Incoming Ring Group Number)	0 (No Setting)
04	**VRS No Answer Time** 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.	0~64800 sec.	0
05	**Park and Page Repeat Timer (VRS Msg Resend)** If a Park and Page is not picked up during this interval, the Paging announcement repeats.	0~64800 sec.	0
06	**Set VRS Message for Private Call Refuse** **(VRS Msg Private Call)** This item assigns the VRS Message number to be used as Private Call Refuse. When Fixed message is set, VRS message guidance is: Service finished. Disconnect the line, please.	0~49 (0 = No message) (49 = Fixed message)	0

Input Data

Item No.	Item	Input Data	Default
07	**Set VRS Message for Caller ID Refuse** **(VRS Msg CID)** This item assigns the VRS Message number to be used as Caller ID Refuse. When Fixed Message is set, VRS message guidance is: Service finished. Disconnect the line, please.	0~49 (0 = No message) (49 = Fixed message)	0

Conditions

None

Feature Cross Reference

❑   Voice Response System (VRS)

Program 40 : Voice Recording System

40-11 : Preamble Message Assignment

Level:

IN

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 VAU message is sent to the outside caller.

Input Data

Trunk Port Number	001~200

Item No.	Day/Night Mode	VAU Message Number	Default
01	1~8	0~48 (0 = No Service)	0

Conditions
None

Feature Cross Reference

❑   Voice Response System (VRS)

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Program 41 : ACD Setup
41-01 : System Options for ACD

Level:
IN

Program

41

Description

In **Program 41-01 : System Options for ACD** define the system options for the ACD feature.

Input Data

Item No.	Item	Input Data	Default
01	**System Supervisory Extension**	Up to 8 digits	No Setting
02	**Login ID Code Digit**	0~20 (0 = No Login ID)	0
03	**ACD MIS Connection Ports**	0 = None 3 = LAN (CPUII)	0
04	**--- Not Used ---**		

Conditions
None

Feature Cross Reference

❏   Automatic Call Distribution (ACD)

Program 41 : ACD Setup
41-02 : ACD Group and Agent Assignments

Level:
SA

Description

In **Program 41-02 : ACD Group and Agent Assignments**, for each ACD extension number, assign an ACD Group (1~64). An ACD Group number is assigned to each Work Period number (1~8).

The assigned extension will work as an ACD agent extension in the following cases:

❑   The trunk belonging to an ACD group receives an incoming call while an ACD agent is logged in.

❑   An extension calls or transfers a call to an ACD group using the ACD group pilot number.

❑   An incoming call is received with a DID/DISA number which is assigned as an ACD pilot number.

Input Data

Extension Number	Up to 8 digits

Item No.	ACD Work Period Mode Number	ACD Group No.	Default
01	1~8	0~64	0

Conditions
None

Feature Cross Reference

❑   Automatic Call Distribution (ACD)

Program 41 : ACD Setup

41-03 : Incoming Ring Group Assignment for ACD Group

Level:
SA

Description

In **Program 41-03 : Incoming Ring Group Assignment for ACD Group**, for each incoming trunk group set up in Program 22-05, designate into which ACD Group (1~64) the trunks should ring for each of the eight Work Periods. Also use this program to assign an Incoming Trunk Ring Group as priority or normal. Use Program 41-05 and 41-06 to set up the Work Schedules and Work Periods for trunks. Use Program 41-07 to assign the Work Schedules to the days of the week.

Input Data

Incoming Ring Group Number	1~100

ACD Work Period Mode Number	1~8

Item No.	Item	Input Data	Default
01	**ACD Group Number**	0~64	0
02	**Night Announcement Service**	0 = No 1 = Yes	0
03	**Priority** Determine whether an incoming call to a trunk ring group should follow a priority assignment. 0 = Normal 1~7: 1 = Highest Priority 7 = Lowest Priority	0, 1~7 (0 = No Priority) (1 = Highest Priority)	0

Conditions
None

Feature Cross Reference

❑   Automatic Call Distribution (ACD)

❑   Ring Groups

Program 41 : ACD Setup
41-04 : ACD Group Supervisor

Level:
SA

Description

For each ACD Group (1~64), use **Program 41-04 : ACD Group Supervisor** to assign the group supervisor extension and operating mode. Operating modes are:

❏   0 = Supervisor extension does not receive ACD Group calls.

❏   1 = Supervisor extension receives ACD Group overflow calls only.

❏   2 = Supervisor extension receives ACD Group calls just like all other agents.

An ACD Group can have only one supervisor. In addition, an extension can be a supervisor for only one ACD Group.

Input Data

ACD Group No.	01~64

Item No.	Item	Input Data	Default
01	**Group Supervisor Extension**	Extension Number (Up to 8 digits)	No Setting
02	**Operation Type**	0 = Not receive any ACD incoming calls (No) 1 = Receive ACD incoming calls in case of overflow (Busy) 2 = Receive ACD incoming calls all the time (Yes)	0

Conditions

❍   If you assign an extension as a ACD Group Supervisor in this program, you cannot program the same extension as a System Supervisor in Program 41-01-01.

Feature Cross Reference

❏   Automatic Call Distribution (ACD)

Program 41 : ACD Setup
41-05 : ACD Agent Work Schedules

Level:
SA

Description

Use **Program 41-05 : ACD Agent Work Schedules** to set up the Work Schedules for ACD Agents and Groups. For each ACD Work Schedule (1~4), designate the start and stop times for each of the eight Work Periods. After you set up the schedules in this program, assign them to days of the week in Program 41-07. (This is the same program used by the Trunk Work Schedules.)

ACD extensions can log in only during their work period. ACD extensions receive the following calls when they are logged in.

❑   ACD Call on a Trunk
    When the incoming ring group is assigned in the operating time (Program 41-03 and 41-06)

❑   ACD Pilot Number Call
    Any time - if ACD extensions are available

Input Data

ACD Work Schedule Time Pattern	1~4

Item No.	Work Period Mode Number	Start Time	End Time	Default
01	1~8	0000~2359	0000~2359	(Start) 0000 (End) 0000

Conditions
None

Feature Cross Reference

❑   Automatic Call Distribution (ACD)

Program 41 : ACD Setup
41-06 : Trunk Work Schedules

Level:
SA

Description

Use **Program 41-06 : Trunk Work Schedules** to set up the Work Schedules for trunks. For each Work Schedule (1~4), designate the start and stop times for each of the eight Work Periods. After you set up the schedules, assign them to days of the week in Program 41-07. (This is the same program used by the ACD Agent Work Schedules.)

Input Data

ACD Work Schedule Time Pattern Number	1~4

Item No.	Work Period Mode Number	Start Time	End Time	Default
01	1~8	0000~2359	0000~2359	(Start) 0000 (End) 0000

Conditions
None

Feature Cross Reference

❑   Automatic Call Distribution (ACD)

Program 41 : ACD Setup
41-07 : ACD Weekly Schedule Setup

Level:
SA

Description

Use **Program 41-07 : ACD Weekly Schedule Setup** to assign the four Work Schedules (1~4) to days of the week. The assignments you make in this program apply to both the ACD Agent Work Schedules (Program 41-05) and the Trunk Work Schedules (Program 41-06).

Item No.	Day Number	Time Pattern	Default
01	1 = Sunday	0~4 (0 = No ACD)	0
	2 = Monday		
	3 = Tuesday		
	4 = Wednesday		
	5 = Thursday		
	6 = Friday		
	7 = Saturday		

Conditions
None

Feature Cross Reference

❑   Automatic Call Distribution (ACD)

Program 41 : ACD Setup
41-08 : ACD Overflow Options

Level:
SA

Description

For each ACD Group (1~64), use **Program 41-08 : ACD Overflow Options** to assign the overflow mode (0~9), destination and announcement message types. Delay announcement functions are not available for ACD pilot number call. Each ACD Group can have unique overflow options. The table below outlines the entry options.

Input Data

ACD Group No.	01~64

Item No.	Item	Input Data	Default
01	**Overflow Operation Mode**	0 = No overflow (None) 1 = Overflow with No Announcement 2 = No Overflow with First Announcement Only 3 = No Overflow with First & Second Announcements 4 = Overflow with First Announcement Only 5 = Overflow with First & Second Announcement 6 = --- Not Used --- 7 = --- Not Used --- 8 = No Overflow with Second Announcement Only 9 = Overflow with Second Announcement Only	0
02	**ACD Overflow Destination**	0 = No Setting 1~64 = ACD Group 65 = Overflow Table (Program 41-09) 66 = Voice Mail Integration 67 = System Speed (Program 41-08-05) 68 = Incoming Ring Group (Program 41-08-06)	0
03	**Delay Announcement Source Type**	0 = ACI (V1100 or higher is required) 1 = VRS	0
04	**ACD Overflow Transfer Time**	0~64800 (sec)	30
05	**System Speed Dial Bin (Used when 41-08-02 is set to 67)**	0~1999	1999

Item No.	Item	Input Data	Default
06	**Incoming Ring Group (Used when 41-08-02 is set to 68)**	1~100	1

Conditions

None

Feature Cross Reference

❑   Automatic Call Distribution (ACD)

Program 41 : ACD Setup
41-09 : ACD Overflow Table Setting

Level:
SA

Description

Use **Program 41-09 : ACD Overflow Table Setting** to define the ACD group to which a call is transferred when overflow occurs.

Input Data

ACD Group No.	01~64

Item No.	Priority Order Number	Transfer ACD Group Number With Overflow	Default
01	1~7	0~65 0 = No Setting 65 = In-Skin Voice Mail Integration	0

Conditions
None

Feature Cross Reference

❑   Automatic Call Distribution (ACD)

Program 41 : ACD Setup
41-10 : ACI Delay Announcement

Level:
SA

Description

Use Program **41-10 : ACI Delay Announcement** to define the ACI port number to be used for the delay announcement.

This program is activated when the delay announcement source and options are assigned as ACI in Program 41-08-03 (V1100 or higher is required).

Input Data

ACD Group No	01~64

Item No.	Item	Input Data	Default
01	**1st Delay Announcement ACI Port Number**	0~96 0 = No Setting	0
02	**2nd Delay Announcement ACI Port Number**	0~96 0 = No Setting	0
03	**1st Delay Announcement Connection Timer**	0~64800 (sec)	4
04	**2nd Delay Announcement Connection Timer**	0~64800 (sec)	60
05	**2nd Delay Announcement Sending Duration** Set the timer for the 2nd Delay announcement. After this timer expires, the call disconnects. To keep the call in queue, set this timer to 0.	0~64800 (sec)	0

Conditions
None

Feature Cross Reference

❏   Automatic Call Distribution (ACD)

Program 41 : ACD Setup
41-11 : VRS Delay Announcement

Level:
SA

Description

Use **Program 41-11 : VRS Delay Announcement** to assign the VRS message number to be used as the message source for the 1st and 2nd Delay Announcement Messages. Turn to Program 41-08 for more on setting up the ACD overflow options.

This program is activated when the delay announcement source and options are assigned as VRS in Program 41-08.

Input Data

ACD Group No.	01~64

Item No.	Item	Input Data	Default
01	**Delay Message Start Timer**	0~64800 (sec)	0
02	**1st Delay Message Number**	0~49 0 = No Message 49 = Fixed Message	0
03	**1st Delay Message Sending Count**	0~255	0
04	**2nd Delay Message Number**	0~49 0 = No Message 49 = Fixed Message	0
05	**2nd Waiting Message Sending Count**	0~255	0
06	**Tone Kind at Message Interval**	0 = Ring Back Tone 1 = MOH Tone 2 = BGM Source	0
07	**ACD Forced Disconnect Time after the 2nd Delay Message**	0~64800 (sec)	60
08	**Queue Depth Announcement** **(Requires VRS)**	0 = Disable 1 = After 1st (1st) 2 = After 2nd (2nd) 3 = After 1st and 2nd (1st and 2nd)	0

Conditions
None

Feature Cross Reference

❑   Automatic Call Distribution (ACD)

Program 41 : ACD Setup
41-12 : Night Announcement Setup

Level:
SA

Description

Use **Program 41-12 : Night Announcement Setup** to define the night announce voice resource and sending time for each ACD group. Night announcement availability depends on the setting in Program 41-03-02. The night announcement function is not available for ACD pilot number calls.

Input Data

ACD Group Number	01~64

Item No.	Item	Input Data	Default
01	**Night Announcement Source Type**	0 = ACI (V1100 or higher is required) 1 = VRS	0
02	**Night Announcement ACI Port Number**	0~96 0 = No Setting	0
03	**ACD Night Announce Sending Time**	0~64800 (sec)	30

Conditions

❍ The night announcement function is not available for ACD pilot number call.

Feature Cross Reference

❑ Automatic Call Distribution (ACD)

Program 41 : ACD Setup
41-13 : VRS Message Number for Night Announcement

Level:
SA

Description

Use **Program 41-13 : VRS Message Number for Night Announcement** to define the VRS message number to be used as the night announcement. This program is activated when the night announcement source is assigned as VRS in Program 41-12.

Input Data

ACD Group No.	01~64

Item No.	Item	Input Data	Default
01	**VRS Message Number**	0~48 0 = No Message	0
02	**Tone Kind at Message Interval**	0 = Ring Back Tone 1 = MOH Tone 2 = BGM Source	0

Conditions
None

Feature Cross Reference

❑   Automatic Call Distribution (ACD)

Program 41 : ACD Setup
41-14 : ACD Options

Level:
SA

Description

Use **Program 41-14 : ACD Options** to set various options for ACD Groups. When you set an option for an ACD Group, the setting is in force (if applicable) for all agents in the group. The chart below shows each of the ACD options, the entries available, and the default entry.

Input Data

ACD Group No	01~64

Item No.	Item	Input Data	Default
01	**Emergency Call Operation Mode** The supervisor must be logged in and have an Emergency Key programmed for this feature. By pressing the key once, the supervisor monitors the call - pressing twice barges in on the call.	0 = Call to system supervisory extension when group supervisory extension is busy. 1 = No calls to system supervisory extension when group supervisory extension is busy.	0
02	**Automatic Wrap Up Mode** Enable/disable Automatic Wrap Up mode.	0 = After wrap up mode key is pressed. (Manual) 1 = After call is finished automatically. (Auto)	0
03	**ACD Priority for Overflow Calls** Determine whether the ACD group should use its own priority assignment or if it should follow the priority assigned in Program 41-03-03.	0 = Own group's priority 1 = Priority order by Program 41-03-03	0
04	**Automatic Answer** Enable/disable Automatic Answer for agents using headsets.	0 = Off 1 = On	0
05	**--- Not Used ---**		

Item No.	Item	Input Data	Default
06	**Call Queuing after 2nd Announcement** Use this option to determine whether an outside caller should hear a final announcement [ex: the company is closed] (1) or whether the caller should be placed back into queue for the ACD group (0).	0 = Enable (Yes) 1 = Disable (No)	0
07	**Automatic Off Duty for SLT** Enable/disable Automatic Off Duty (rest) mode for agents with SLT.	0 = No change to off duty mode 1 = Change to off duty mode automatically (Skip)	0
08	**ACD Off Duty Mode**	0 = Can not receive internal call 1 = Can receive internal call	0
09	**Automatic Wrap Up End Time**	0~64800 (sec)	0
10	**ACD No Answer Skip Time** Set how long a call to the ACD Group rings an idle extension before routing to the next agent. This time must be greater than Program 20-04-03 : Delay Ring Timer for the ACD Call Coverage Key with delayed ringing to work.	0~64800 (sec)	10
12	**Start Headset Ear Piece Ringing (for SLT)**	0~64800 (sec)	0

Conditions

None

Feature Cross Reference

❑   Automatic Call Distribution (ACD)

Program 41 : ACD Setup
41-15 : ACD Queue Alarm Information

Level:
SA

Description

Use **Program 41-15 : ACD Queue Alarm Information** to assign the options for Audible Indication for Log Out / Off Duty mode for each ACD group.

These program settings provide an alarm to the agents, but no Queue Status Display is indicated. ***Do not use these programs*** if the alarm options are defined in Program 41-20-01 through 41-20-05.

Feature	Available in Program 41-15	Available in Program 41-20
Queue Status Display	---	Yes
Queue Status Display Time	---	Yes
Alarm	Yes	Yes
Alarm Send Time	Program 41-15-02 determines the length/interval of the alarm.	Yes
Interval Time of Queue Status Display		Yes
Class of Service	---	Yes
Timing of Alarm and Display Queue Status	Alarm triggered after the number of calls in Program 41-15-01 is exceeded.	Alarm triggered after the number of calls in Program 41-20-01 is exceeded. Then follows Program 41-20-03 timing for displaying status.

Input Data

ACD Group No.	01~64

Item No.	Item	Input Data	Default
01	**Number of Calls in ACD Queue to Activate Alarm Information**	0~200 0 = No Alarm	0
02	**Interval time of Alarm Information**	0~64800 (sec)	0

Conditions
None

Feature Cross Reference

❏   Automatic Call Distribution (ACD)

Program 41 : ACD Setup
41-16 : ACD Threshold Overflow

Level:
SA

Description

Use **Program 41-16 : ACD Threshold Overflow** to define the value of the ACD threshold call overflow and the mode for each ACD group.

Input Data

ACD Group No.	01~64

Item No.	Item	Input Data	Default
01	**Number of Calls in Queue** Define the maximum number of calls allowed in the ACD queue before overflow occurs.	0~200 (0 = No Limitation)	0
02	**Operation Mode for ACD Queue** Define how the system should handle calls when the number of calls in queue exceeds the threshold.	0 = The longest waiting call is transferred 1 = The last waiting call is transferred 2 = Send Busy Tone	0

Conditions
None

Feature Cross Reference

❑   Automatic Call Distribution (ACD)

Program 41 : ACD Setup
41-17 : ACD Login Mode Setup

Level:
SA

Description

Use **Program 41-17 : ACD Login Mode Setup** to define the ACD login mode for each extension. If the AIC Login Mode is enabled, set the AIC Login and AIC Logout service codes for the AIC members in Program 11-13-08 and 11-13-09.

Input Data

Extension Number	Up to 8 digits

Item No.	Login Mode	Default
01	0 = Normal Login Mode 1 = AIC Login Mode	0

Conditions

❍ If set to 1, note that a supervisor can not log in/out an AIC member as they are not normal ACD agents.

Feature Cross Reference

❑ Automatic Call Distribution (ACD)

Program 41 : ACD Setup
41-18 : ACD Agent Identity Code Setup

Level:
SA

Description

Use **Program 41-18 : ACD Agent Identity Code Setup** to define the ACD Agent Identity Code Table.

Input Data

AIC Table No.	001~512

Item No.	Item	Input Data	Default
01	**ACD Agent Identity Code**	Up to 4 digits	No Setting
02	**Default ACD Group Number**	0~64 0 = No Setting	0
03	**ACD Group Number in Mode 1**	0~64 0 = No Setting	0
04	**ACD Group Number in Mode 2**	0~64 0 = No Setting	0
05	**ACD Group Number in Mode 3**	0~64 0 = No Setting	0
06	**ACD Group Number in Mode 4**	0~64 0 = No Setting	0
07	**ACD Group Number in Mode 5**	0~64 0 = No Setting	0
08	**ACD Group Number in Mode 6**	0~64 0 = No Setting	0
09	**ACD Group Number in Mode 7**	0~64 0 = No Setting	0
10	**ACD Group Number in Mode 8**	0~64 0 = No Setting	0

Program 41 : ACD Setup
41-20 : ACD Queue Display Settings

Level:
SA

Description

Use **Program 41-20 : ACD Queue Display Settings** to assign the options for the ACD Queue Status Display feature. This program allows the Queue Status Display, and causes an alarm to sound, when the parameters in this program are met.

Program 41-15 can also provide a queue alarm to the agents. The options in Program 41-20 should not be used if 41-15 is set.

Feature	Available in Program 41-15	Available in Program 41-20
Queue Status Display	---	Yes
Queue Status Display Time	---	Yes
Alarm	Yes	Yes
Alarm Send Time	Program 41-15-02 determines the length/interval of the alarm.	Yes
Interval Time of Queue Status Display		Yes
Class of Service	---	Yes
Timing of Alarm and Display Queue Status	Alarm triggered after the number of calls in Program 41-15-01 is exceeded.	Alarm triggered after the number of calls in Program 41-20-01 is exceeded. Then follows Program 41-20-03 timing for displaying status.

Input Data

ACD Group No.	01~64

Item No.	Item	Input Data	Default
01	**Number of Calls in Queue** Set the number of calls that can accumulate in the ACD queue before the Queue Status Display (and optional queue alarm) occurs.	0 = No Display, 1~200	0
02	**Queue Status Display Time** Set how long the Queue Status display remains on the telephone display.	0~64800 (sec)	5 (sec)
03	**Queue Status Display Interval** Set the interval that refreshes the Queue Status Alarm time in queue display and causes the optional queue alarm to occur on phones active on a call, logged out, or in wrap-up.	0~64800 (sec)	60 (sec)
04	**ACD Call Waiting Alarm** Enable or disable the queue alarm.	0 = Disable (Off) 1 = Enable (On)	0
05	**ACD Call Waiting Alarm Hold Time** Set how long the Call Waiting Alarm should sound.	0~64800 (sec)	0

Conditions
None

Feature Cross Reference

❑ Automatic Call Distribution (ACD)

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Program 42 : Hotel Setup
42-01 : System Options for Hotel/Motel

Level:
IN

Program

42

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	Default
01	**Answering Message Mode for Wake Up Call (Hotel Mode)**	0 = MOH (Hold Time) 1 = VRS Message 2 = VRS Message + Time	0
02	**Wake Up Call Message Assignment** VRS Message for Wake Up Calls. You'll need to make an entry for this program if you have selected option 2 or 3 in Item 1 above.	0~48 (0 = No Setting)	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 = Only Confirmation Tone 1 = VRS Message 2 = Time Information and VRS	0
05	**Wake Up Call Message Assignment**	0~48 = VRS Message Number	0

Conditions
None

Feature Cross Reference

❑   Hotel/Motel

Program 42 : Hotel Setup

42-02 : Hotel/Motel Telephone Setup

Level:
IN

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 8 digits

Item No.	Item	Input Data	Default
01	**Hotel Mode** 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 = Normal 1 = Hotel	0
02	**Toll Restriction Class When Check In** 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.	1~15	1

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 ~ 20-14.

Input Data

Class of Service Number	01~15

Item No.	Item	Input Data	Default Class 01	Default Class 02~15
01	**Check-In Operation**	0 = Off 1 = On	0	0
02	**Check-Out Operation**	0 = Off 1 = On	0	0
03	**Room Status Output**	0 = Off 1 = On	0	0
04	**DND Setting for Other Extension**	0 = Off 1 = On	0	0
05	**Wake up Call Setting for Other Extension**	0 = Off 1 = On	0	0
06	**Room Status Change for Other Extension**	0 = Off 1 = On	0	0
07	**Restriction Class Changing for Other Extension**	0 = Off 1 = On	0	0
08	**Room to Room Call Restriction**	0 = Off 1 = On	0	0
09	**DND Setting for Own Extension**	0 = Off 1 = On	0	0
10	**Wake Up Call Setting for Own Extension**	0 = Off 1 = On	0	0

Item No.	Item	Input Data	Default	
			Class 01	Class 02~15
11	**Change Room Status for Own Extension**	0 = Off 1 = On	0	0
12	**SLT Room Monitor** Enable (1) or disable (0) a single line telephone ability to use Room Monitor.	0 = Off 1 = On	0	0
13	**--- Not Used ---**			

Conditions

None

Feature Cross Reference

❑ Class of Service

❑ Hotel/Motel

Program 42 : Hotel Setup
42-04 : Hotel Mode One-Digit Service Codes

Level:
IN

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 (1~64), you enter the destination for each single digit code (1~9, 0, **∗.**, **#**). The destination can be any code with up to four digits, such as an extension number or access code.

Input Data

Department (Extension) Group Number	01~64

Item No.	Received Dial	Destination Number	Default
01	1~9,0,∗,#	Up to 8 digits	No Setting

Conditions

❍ The 1-digit codes you assign in this program wait until the interdigit 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 CTA 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 1 = CTA	0
02	**Output Destination Number**	Up to 8 digits (Extension number which CTA/CTU is equipped)	No Setting
03	**Wake Up Call No Answer Data**	0 = Not Output 1 = Output	0
04	**Check-Out Sheet**	0 = Not Output 1 = Output	0

Conditions

❍ Room Status Reports require a CTA or CTU adapter and a compatible external device.

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	Default
01	**ARS/F-Route Time Schedule** 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 Program 44-10. If there is a match, the pattern defined in that program is used. If not, the F-Route pattern in Program 44-09 and time setting in 44-08 are used.	0 = Not Used 1 = Used	0

Conditions
None

Feature Cross Reference

❑ Automatic Route Selection (ARS)

❑ Uniform Numbering Network

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	1~120

Item No.	Item	Input Data	Default
01	**Dial** Set the number of digits to be analyzed by the system for ARS routing.	Up to 8 digits (Use line key 1 for a "Don't Care" digit, @)	No Setting
02	**Service Type** ❍ Service Type 1 (Extension Number) The number goes to an extension after deleting the front digit(s). *Additional Data* 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. *Additional Data:* 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. *Additional Data:* Assign the Dial Extension Analysis Table number to be used in Program 44-03.	0 = No setting (None) 1 = Extension Call (Own) 2 = ARS/F-Route Table (F-Route) 3 = Dial Extension Analyze Table (Option)	0

Item No.	Item	Input Data	Default
03	**Additional Data** 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 = 0~500 (0 = No Setting) Refer to Program 44-05. [Program 44-01 : 1] ARS/F-Route Select Table Number = 0~500 (0 = No Setting) Refer to Program 44-04. ❍ 3: Dial Extension Analyze Table Number = 0~4 (0 = No Setting) Refer to Program 44-03.	1 = Delete Digit = 0~255 (255 : Delete All Digits) 2 = 0~500 (0 = No Setting) 3 = Dial Extension Analyze Table Number = 0~4 (0 = No Setting)	0
04	**Dial Tone Simulation** 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 = Off 1 = On	0

Conditions

None

Feature Cross Reference

❑   Automatic Route Selection (ARS)

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.

✎   *The item numbers indicated below are different when using PCPro/WebPro due to the window layout of the applications. Refer to the program in the PCPro/WebPro application to determine the correct item number.*

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 24 digits Digits = 1~9, 0, ✳, #, @ (Press Line Key 1 for wild character @)	No Setting
02	**ARS/F-Route Select Table Number**	0~500 (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**	0~500 (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)

Program 44 : ARS/F-Route Setup
44-04 : ARS/F-Route Selection for Time Schedule

Level:
IN

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	1~500

Item No.	ARS/F-Route Time Mode	ARS/F-Route Table Number	Default
01	1~8	0~500	0

Conditions
None

Feature Cross Reference

❑   Automatic Route Selection (ARS)

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	1~500

Priority Number	1~4

Item No.	Item	Input Data	Default
01	**Trunk Group Number** Select the trunk group number to be used for the outgoing ARS call.	0~100, 101~150, 255 0 = No Setting 101~150 = Networking 255 = Extension Call	0
02	**Delete Digits** Enter the number of digits to be deleted from the dialed number.	0~255 (255 = Delete All)	0
03	**Additional Dial Number Table** Enter the table number (defined in Program 44-06) for additional digits to be dialed.	0~1000	0
04	**Beep Tone** Select whether or not a beep is heard if a lower priority trunk group is used to dial out.	0 = Off 1 = On	0
05	**Gain Table Number for Internal Calls** Select the gain table number to be used for the internal call (defined in Program 44-07).	0~500 0 = No Setting	0
06	**Gain Table Number for Tandem Connections** Select the gain table number to be used for the tandem call (defined in Program 44-07).	0~500 0 = No Setting	0
07	**ARS Class of Service** Select the ARS Class of Service to be used for the table. An extension's ARS COS is determined in Program 26-04-01.	0~16	0

Item No.	Item	Input Data	Default
08	**Dial Treatment** Select the Dial Treatment to be used 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.	0~15	0
09	**Maximum Digit**	0~24	0
10	**CCIS over IP Destination Point Code**	0~16367	0
11	**Network Specified Parameter Table**	0~16	0

Conditions

None

Feature Cross Reference

❏   Automatic Route Selection (ARS)

Program 44 : ARS/F-Route Setup

44-06 : Additional Dial Table

Level:
IN

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	1~1000

Item No.	Additional Dial	Default
01	Up to 24 digits Enter: 1-9, 0, ✱, #, Pause (press line key 1 to enter a pause)	No Setting

Conditions
None

Feature Cross Reference

❑   Automatic Route Selection (ARS)

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 is activated, which is assigned in Program 44-05.

❑   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 is activated, which is assigned in Program 44-05.

❑   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 Program 14-01-02 and 14-01-03 are not activated.*

Input Data

Gain Table Number	1~500

Item No.	Item	Input Data	Default
01	**Incoming Transmit**	1~63 (-15.5 ~ +15.5dB)	32
02	**Incoming Receive**	1~63 (-15.5 ~ +15.5dB)	32
03	**Outgoing Transmit**	1~63 (-15.5 ~ +15.5dB)	32
04	**Outgoing Receive**	1~63 (-15.5 ~ +15.5dB)	32

Conditions
None

Feature Cross Reference

❑   Automatic Route Selection (ARS)

Program 44 : ARS/F-Route Setup
44-08 : Time Schedule for ARS/F-Route

Level:
IN

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 Program 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 : 0:00 – 0:00   Mode 2

Conditions
None

Feature Cross Reference

❑   Automatic Route Selection (ARS)

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	1~10	Pattern 1
	2 = Monday	1~10	Pattern 1
	3 = Tuesday	1~10	Pattern 1
	4 = Wednesday	1~10	Pattern 1
	5 = Thursday	1~10	Pattern 1
	6 = Friday	1~10	Pattern 1
	7 = Saturday	1~10	Pattern 1

Conditions
None

Feature Cross Reference

❑ Automatic Route Selection (ARS)

Program 44 : ARS/F-Route Setup
44-10 : Holiday Schedule for ARS/F-Route

Level:
IN

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)

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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.

Program

45

Input Data

Item No.	Item	Input Data	Default
01	**Voice Mail Department Group Number** Assign which Extension (Department) Group number is to be assigned as the voice mail group (non-networked system).	0~64 0 = No Voice Mail	0
02	**Voice Mail Master Name** Enter the Voice Mail master name (non-networked system).	Up to 12 Characters	Voice Mail
03	**--- Not Used ---**		
04	**Park and Page** Enable/disable the system ability to process the Voice Mail Park and Page (✱) commands. You should normally **enable** this option.	0 = Off 1 = On	1
05	**Message Wait** 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.	0 = Off 1 = On	1
06	**Record Alert Tone Interval Time** This time sets the interval between voice Mail Conversation Record alerts	0~64800 (sec)	30
14	**CCIS Centralized Voice Mail Number** Assign the pilot number to Centralized Voice Mail over CCIS Link. This is only assigned in the remote switches.	Dial (up to 8 digits)	No Setting

---

Input Data (Continued)

Item No.	Item	Input Data	Default
15	**Analog Voice Mail Protocol Selection**	0: Fixed 1: Program	0
16	**Voicemail Fax Digit Add Assignment**	Up to 4 digits	None
17	**Reply Mailbox Number**	0: No 1: Yes	1

Conditions
None

Feature Cross Reference

❑   Voice Mail Integration (Analog)

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
01	**Remote Logon (Internal)**	Up to 4 digits	None
02	**Direct Logon**	Up to 4 digits	None
03	**Transfer Message**	Up to 4 digits	None
04	**Forward-All**	Up to 4 digits	None
05	**Forward-Busy**	Up to 4 digits	None
06	**Forward RNA**	Up to 4 digits	None
07	**Remote Logon**	Up to 4 digits	None
08	**Conversation Recording**	Up to 4 digits	None
09	**Clear Down String**	Up to 4 digits	None

Conditions

None

Feature Cross Reference

None

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Program 47 : In-Mail
47-01 : IPK II In-Mail System Options

Level:
IN

Program

47

Description

Use **Program 47-01 : IPK II In-Mail System Options** to set up the IPK II In-Mail system-wide options.

Input Data

Item No.	Item	Input Data	Default
01	**DSPDB Voice Mail Type** (DSPDB VM Type) Use this option to enable the IPK II In-Mail. Enter 0 for this option when IPK II In-Mail is installed. The KSU must be reset for a change to this program to take effect.	0 = In-Mail 1 = VRS	1 (VRS)
02	**IPK II In-Mail Master Name** (MasterName) The KSU must be reset for a change to this program to take effect. Use this option to modify the name for all IPK II In-Mail 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 **In-Mail ##**, for example, the keyset display shows **IPK II In-Mail #1** when calling port 1.	Up to 12 characters	In-Mail ## (The system substitutes the port number for the # when calling the port).

Input Data

Item No.	Item	Input Data	Default
03	**Subscriber Message Length** (Subs Msg Length) Use this option to set the maximum length of recorded messages for: ❍ 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. ✎ *The length of a Conversation Record is 10 times the Subscriber Message Length. Since the Conversation Record time cannot exceed 4095 seconds, any settings in Subscriber Message Length larger than 409 has no effect on the length of recorded conversations.*	1~4095 (sec)	120 (sec)
04	**Non-Subscriber Message Length** (Mbox Msg Length) Use this option to set the maximum length of recorded messages for: ❍ Automated Attendant callers leaving a message or Quick Message in a Subscriber Mailbox. ❍ Outside callers transferred by an extension user to a Subscriber Mailbox.	1~4095 (sec)	120 (sec)
05	**Message Backup/Go Ahead Time** (Msg Bkup/Adv Time) Use this option to set the backup/go ahead interval. This time sets how far IPK II In-Mail backs up when a user dials **B** while listening to a message. This interval also sets how far IPK II In-Mail jumps ahead when a user dials **G** while listening to a message.	1~60 (sec)	5 (sec)

Input Data

Item No.	Item	Input Data	Default
06	**Fax Extension** (Fax Extension) Use this option to specify which system extension is the fax machine. When the Automated Attendant answers a call and detects fax (CNG) tone, it automatically transfers the call to this extension.	Up to 8 digits	No Setting
07	**Digital Pager Callback Number** (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.	**Digits** (12 maximum, using 0~9, # and ✱) **M** (Number of messages - entered by pressing **LK1**) **No entry** (Entered by pressing **HOLD**). **X** *(*Extension number - entered by pressing **LK2**) IPK II In-Mail automatically replaces the X command with the number of the extension that initially received the message.	X✱M#

Input Data

Item No.	Item	Input Data	Default
08	**Delay in Dialing Digital Pager Callback Number** (Pager Dial Delay) Use this option to set the delay (0~99 seconds) that occurs just before IPK II In-Mail 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 will complete 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.	0~99 (sec)	9 (sec)
09	**Wait Between Digital Pager Callout Attempts** (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 interval expires, IPK II In-Mail 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.	1~255 (min)	15 (min)

Input Data

Item No.	Item	Input Data	Default
10	**Wait Between Non-Pager Callout Attempts** (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.	1~255 (min)	20 (min)
11	**Wait Between Busy Non-Pager Callout Attempts** (Notify Busy Intvl) Use this option to set how long IPK II In-Mail waits (1~255 minutes), after it dials a busy non-pager callout destination, before retrying the callout number.	1~255 (min)	15 (min)
12	**Wait Between RNA Non-Pager Callout Attempts** (Notify RNA Intvl) Use this option to set how long IPK II In-Mail 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: ❍ 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.	1~255 (min)	30 (min)

Input Data

Item No.	Item	Input Data	Default
13	**Wait for Answer Non-Pager Callout Attempts** (Notify RNA Rings) If a non-pager callout rings the destination longer than this interval (1-99 rings), IPK II In-Mail marks the call as unanswered (Ring No Answer) and hangs up.	1~99 (rings)	5 (rings)
14	**Number of Callout Attempts** (Notify Call Attmpt) Use this option to set how many times (1~99 attempts) IPK II In-Mail 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.	1~99 (attempts)	5 (attempts)
15	**Send Pager Callout Until Acknowledged** (Retry Until Ack) When this option is enabled (1), IPK II In-Mail continues to retry a digital pager Message Notification callout until the notification is acknowledged. If this option is disabled (0), IPK II In-Mail 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 = No (Disabled) 1 = Yes (Enabled)	0 (Disabled)
16	**Name Format** Specify if names are displayed in First Last format or Last First.	0 = 1st Last 1 = Last 1st	0 (1st Last)
17	**In-Mail Port** Specify the port number of the first In-Mail Port.	0~249	0

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 : In-Mail
47-02 : IPK II In-Mail Station Mailbox Options

Level:
IN

Description

Use **47-02 : IPK II In-Mail Station Mailbox Options** to set up a station/extension mailbox. Station mailboxes are automatically assigned as Subscriber Mailboxes. Normally, IPK II In-Mail Station Mailbox numbers 1~26 should correspond to extensions 101~126.

✎ *Station Mailboxes are one of three mailbox categories: Station, Routing, and Master. You can also set up Master Mailboxes as Subscriber Mailboxes.*

Input Data

Item No.	Item	Input Data	Default
01	**Mailbox Active** (Mailbox Active) 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.	0 (No = Disabled) 1 (Yes = Enabled)	Mailboxes 1~8 = 1 (Enabled) All Other Mailboxes = 0 (Disabled)
02	**Mailbox Number** (Mailbox Number) 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 102, 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.	Digits (8 maximum, using 0~9)	Mailboxes 1~8 = 101~108. For all other mailboxes, there is no entry.

Input Data

Item No.	Item	Input Data	Default
03	**Number of Messages** (Number of Messages) 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.* IPK II In-Mail then hangs up.	0~99 messages To conserve storage space, enter 0 for all unused mailboxes.	99 messages for mailbox 1 20 messages for all other mailboxes
04	**Message Playback** (Message Playback) Use this option to set the Subscriber Mailbox message playback order. When a subscriber listens to their messages, IPK II In-Mail can play the oldest messages first (first-in–first-out, or FIFO), or the newest messages first (last-in–first-out, or LIFO).	0 (FIFO = first-in/ first-out, or oldest messages first). 1 (LIFO = last-in/ first-out, or newest messages first)	0 (FIFO = first-in/ first-out, or oldest messages first)
05	**Auto Erase/Save of Messages** (Auto Erase/Save) 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, IPK II In-Mail either automatically saves or erases the message. If the mailbox user hangs up before listening to the *entire* new message, IPK II In-Mail retains the message as a new message.	0 (Erase) After the subscriber listens to the entire new message and hangs up, IPK II In-Mail erases the message. 1 (Save) After the subscriber listens to the entire new message and hangs up, IPK II In-Mail saves the message.	1 (Save)
06	**Message Retention** (Message Retention) 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, IPK II In-Mail deletes it.	1~90 Days 0 (Indefinite)	0 (Indefinite)

Input Data

Item No.	Item	Input Data	Default
07	**Recording Conversation Beep** (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 IPK II In-Mail 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)* The Electra Elite IPK II telephone system software 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 Electra Elite IPK II telephone system Conversation Record beep, enter 0 for this option.	0 = No (Disabled) 1 = Yes (Enabled)	1 (Yes - Enabled)
08	**Message Waiting Lamp** (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.	0 = No (Disabled) 1 = Yes (Enabled)	1 (Yes - Enabled)
09	**Auto Attendant Do Not Disturb** (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 = No (Disabled) 1 = Yes (Enabled)	0 (No - Disabled)

Input Data

Item No.	Item	Input Data	Default
10	**Forced Unscreened Transfer** (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 = No (Disabled) 1 = Yes (Enabled)	0 (No - Disabled)
11	**Auto Time Stamp** (Auto Time Stamp) Use this option to enable or disable Auto Time Stamp for the Subscriber Mailbox. If enabled, after the subscriber listens to a message IPK II In-Mail 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 = No (Disabled) 1 = Yes (Enabled)	0 (No - Disabled)
12	**System Administrator** (System Admin) 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.	0 = No (Disabled) 1 = Yes (Enabled)	Mailbox 1 (101) = Enabled (1) All other mailboxes = Disabled (0)
13	**Dialing Option** (Dialing Option) 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 = No (Disabled) 1 = Yes (Enabled)	0 (No - Disabled)
14	**Next Call Routing Mailbox** (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.	Call Routing Mailbox Number (1~3 digits, 01~016) No entry (Entered by pressing CLEAR)	**1** (Call Routing Mailbox 01) By default, Call Routing Mailbox numbers are 01~08.
15	**Directory List**	0 = None 1~8 = List Number ✱ = All	0 (None)

Conditions
None

Feature Cross Reference

None

Program 47 : In-Mail
47-03 : IPK II In-Mail Master Mailbox Options

Level:
IN

Description

Use **47-03 : IPK II In-Mail Master Mailbox Options** to set up the 16 Master Mailboxes (01~16). A Master Mailbox is used for Department Group overflow and can be a Subscriber, Call Routing, or Announcement Mailbox.

Input Data

Item No.	Item	Input Data	Default
01	**Master Mailbox Active** (Mailbox Active) Use this option to enable or disable the Master Mailbox. A Master Mailbox is not accessible when it is disabled.	0 = No (Disabled) 1 = Yes (Enabled)	0 (No - Disabled)
02	**Master Mailbox Number** (Mailbox Number) The Master 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 Master Mailbox you are programming.	Digits (8 maximum, using 0~9). No Setting (entered by pressing **HOLD**)	No Setting
03	**Master Mailbox Type** (Mailbox Type) Use this option to set the Master Mailbox type. There are 4 types of IPK II In-Mail mailboxes: Call Routing (1), Announcement (2), Subscriber (3), and Directory (4). ❍ If the Master Mailbox is a Call Routing Mailbox (1), go to 47-04 : Master Call Routing Mailbox Options to set up the Master Mailbox options. ❍ If the Master Mailbox is an Announcement Mailbox (2), go to 47-05 : Master Announcement Mailbox Options to set up the Master Mailbox options. ❍ If the Master Mailbox is a Subscriber Mailbox (3), go to 47-06 : Master Subscriber Mailbox Options to set up the Master Mailbox options. ❍ If the Master Mailbox is a Directory Mailbox (4), go to 47-14 : Master Directory Mailbox Options to set up the Master Mailbox options.	0 (Undefined) 1 (Call Routing) 2 (Announcement) 3 (Subscriber) 4 (Directory)	3 (Subscriber)

Conditions
None

Feature Cross Reference

None

Program 47 : In-Mail
47-04 : Master Call Routing Mailbox Options

Level:
IN

Description

Use **47-04 : Master Call Routing Mailbox Options** to set up a Master Mailbox (01~16) assigned as a Call Routing Mailbox in **47-03-03: Master Mailbox Type**.

Input Data

Item No.	Item	Input Data	Default
01	**Dial Action Table** (Dial Action Table) 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.	1~16 (Dial Action Table 1~16)	1 (Dial Action Table 1)
02	**Screened Transfer Timeout** (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 IPK II In-Mail.	0~255 seconds Entering 0 causes immediate recall.	15 (sec)
03	**Time Limit for Dialing Commands** (Dialing Timeout) This option determines how long IPK II In-Mail 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 3 times and then IPK II In-Mail hangs up.*	0~99 seconds Entering 0 causes the Automated Attendant to immediately route callers to the Timeout destination programmed in the active Dial Action Table.	5 (sec)

Input Data

Item No.	Item	Input Data	Default
04	**Fax Detection** (Fax Detection) Use this option to enable or disable Fax Detection for the Call Routing Mailbox. In enabled, the IPK II In-Mail 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 = No (Disabled) 1 = Yes (Enabled)	0 (No - Disabled)

Conditions

None

Feature Cross Reference

None

Program 47 : In-Mail
47-05 : Master Announcement Mailbox Options

Level:
IN

Description

Use **47-05 : Master Announcement Mailbox Options** to set up a Master Mailbox (01~16) assigned as an Announcement Mailbox in **47-03-03: Master Mailbox Type**.

Input Data

Item No.	Item	Input Data	Default
01	**Next Call Routing Mailbox** (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 Routed Announcement Mailbox Routing in the Electra Elite IPK II IPK II In-Mail System Guide.	Call Routing Mailbox Number (01~16) Undefined (0)	Undefined (0)
02	**Repeat Count** (Repeat Count) 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 in the IPK II In-Mail System Guide and Routed Announcement Mailbox Routing in the IPK II In-Mail System Guide.	0 (No Repeats) 1~10 (Announcement repeats 1~10 times)	0 (No Repeats)

Input Data

Item No.	Item	Input Data	Default
03	**Hang Up After** (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 the interaction of these options, refer to Direct Announcement Mailbox Routing in the IPK II In-Mail System Guide and Routed Announcement Mailbox Routing in the IPK II In-Mail System Guide.	0 = No (Disabled) 1 = Yes (Enabled)	0 (No - Disabled)

Conditions

None

Feature Cross Reference

None

Program 47 : In-Mail
47-06 : Master Subscriber Mailbox Options

Level:
IN

Description

Use **47-06 : Master Subscriber Mailbox Options** to set up a Master Mailbox assigned as a Subscriber Mailbox in **47-03-03: Master Mailbox Type**.

Input Data

Item No.	Item	Input Data	Default
01	**Number of Messages** (Number of Messages) 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.* IPK II In-Mail then hangs up.	0~99 messages To conserve storage space, enter 0 for all unused mailboxes.	20
02	**Message Playback** (Message Playback) Use this option to set the Subscriber Mailbox message playback order. When a subscriber listens to their messages, IPK II In-Mail can play the oldest messages first (first-in/first-out, or FIFO), or the newest messages first (last-in/first-out, or LIFO).	0 (FIFO = first-in/first-out, or oldest messages first). 1 (LIFO = last-in/first-out, or newest messages first).	0 (FIFO)
03	**Auto Erase/Save of Messages** (Auto Erase/Save) 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, IPK II In-Mail either automatically saves or erases the message. If the mailbox user hangs up before listening to the *entire* new message, IPK II In-Mail retains the message as a new message.	0 (Erase) After the subscriber listens to the entire new message and hangs up, IPK II In-Mail erases the message. 1 (Save) After the subscriber listens to the entire new message and hangs up, IPK II In-Mail saves the message.	1 (Save)

Input Data

Item No.	Item	Input Data	Default
04	**Message Retention** (Message Retention) 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, IPK II In-Mail deletes it.	1~90 days 0 (Indefinite)	0 (Indefinite)
05	**Recording Conversation Beep** (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 IPK II In-Mail 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)* The Electra Elite IPK II telephone system software 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 Electra Elite IPK II telephone system Conversation Record beep, enter 0 for this option.	0 = No (Disabled) 1 = Yes (Enabled)	1 (Yes - Enabled)
06	**Message Waiting Lamp** (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.	0 = No (Disabled) 1 = Yes (Enabled)	1 (Yes - Enabled)
07	**Auto Attendant Do Not Disturb** (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 = No (Disabled) 1 = Yes (Enabled)	0 (No - Disabled)

Input Data

Item No.	Item	Input Data	Default
08	**Forced Unscreened Transfer** (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 = No (Disabled) 1 = Yes (Enabled)	0 (No - Disabled)
09	**Auto Time Stamp** (Auto Time Stamp) Use this option to enable or disable Auto Time Stamp for the Subscriber Mailbox. If enabled, after the subscriber listens to a message IPK II In-Mail 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 = No (Disabled) 1 = Yes (Enabled)	0 (No -Disabled)
10	**System Administrator** (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 = No (Disabled) 1 = Yes (Enabled)	0 (No - Disabled)
11	**Dialing Option** (Dialing Option) 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 = No (Disabled) 1 = Yes (Enabled)	0 (No - Disabled)
12	**Next Call Routing Mailbox** (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.	Call Routing Mailbox Number (1~3 digits) No entry (entered by pressing **CLEAR**)	1 (Call Routing Mailbox 01) By default, Call Routing Mailbox numbers are 01=16.

Input Data

Item No.	Item	Input Data	Default
13	**Directory List**	0 = None 1~8 = List Number ✻ = All	0

Conditions

None

Feature Cross Reference

None

Program 47 : In-Mail
47-07 : IPK II In-Mail Routing Mailbox Options

Level:
IN

Description

Use **47-07 : IPK II In-Mail Routing Mailbox Options** to set up the 16 Routing Mailboxes. Routing Mailboxes can be either Announcement or Call Routing Mailboxes.

Input Data

Item No.	Item	Input Data	Default
01	**Routing Mailbox Active** (Mailbox Active) Use this option to enable or disable the mailbox. A Routing Mailbox is not accessible when it is disabled.	0 = No (Disabled) 1 = Yes (Enabled)	1 (Yes - Enabled)
02	**Routing Mailbox Type** (Mailbox Type) Use this option to set the Routing Mailbox type.	1 (Call Routing) 2 (Announcement) 4 (Directory)	Mailboxes 01~08 = 1 (Call Routing) Mailboxes 09~16 = 2 (Announcement)

Conditions
None

Feature Cross Reference

None

Program 47 : In-Mail
47-08 : Call Routing Mailbox Options

Level:
IN

Description

Use **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

Item No.	Item	Input Data	Default
01	**Dial Action Table** (Dial Action Table) 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.	1~16 (Dial Action Table 1~16)	1 (Dial Action Table 1)
02	**Screened Transfer Timeout** (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 Electra Elite IPK II In-Mail.	0~255 (sec) Entering 0 causes immediate recall.	15 (sec)
03	**Time Limit for Dialing Commands** (Dialing Timeout) This option determines how long IPK II In-Mail 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 IPK II In-Mail hangs up.*	0~99 (sec) Entering 0 causes the Automated Attendant to immediately route callers to the Timeout destination programmed in the active Dial Action Table.	5 (sec)

Input Data

Item No.	Item	Input Data	Default
04	**Fax Detection** (Fax Detection) Use this option to enable or disable Fax Detection for the Call Routing Mailbox. In enabled, the IPK II In-Mail 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 = No (Disabled) 1 = Yes (Enabled)	0 (No-Disabled)

Conditions

None

Feature Cross Reference

None

Program 47 : In-Mail
47-09 : Announcement Mailbox Options

Level:
IN

Description

Use **47-09 : Announcement Mailbox Options** to set the options for mailboxes assigned as Announcement Mailboxes in **47-07-02 : Routing Mailbox Type**.

Input Data

Item No.	Item	Input Data	Default
01	**Next Call Routing Mailbox** (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 details on the interaction of these options, refer to Direct Announcement Mailbox Routing in the IPK II In-Mail System Guide and Routed Announcement Mailbox Routing in the IPK II In-Mail System Guide.	Call Routing Mailbox Number (1~16) Undefined (0)	0 (Undefined)
02	**Repeat Count** (Repeat Count) 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 details on the interaction of these options, refer to Direct Announcement Mailbox Routing in the IPK II In-Mail System Guide and Routed Announcement Mailbox Routing in the IPK II In-Mail System Guide.	0 (No Repeats) 1~10 (Announcement repeats 1~10 times)	0 (No Repeats)

Input Data

Item No.	Item	Input Data	Default
03	**Hang Up After** (HangUp) Use this option along with *Next Call Routing Mailbox* and *Repeat Count* above to provide additional routing options to Automated Attendant callers. For details on the interaction of these options, refer to Direct Announcement Mailbox Routing in the IPK II In-Mail System Guide and Routed Announcement Mailbox Routing in the IPK II In-Mail System Guide.	0 = No (Disabled) 1 = Yes (Enabled)	0 (No - Disabled)

Conditions

None

Feature Cross Reference

None

Program 47 : In-Mail
47-10 : IPK II In-Mail Trunk Options

Level:
IN

Description

Use **47-10 : IPK II In-Mail Trunk Options** to assign IPK II In-Mail options for each trunk. Currently, only **47-10-01: Answer Table Assignment** is available.

Input Data

Item No.	Item	Input Data	Default
01	**Answer Table Assignment** (Answer Table) Use this option to assign an IPK II In-Mail 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.	Answer Table (1~8)	1 (Answer Table 1)

Conditions
None

Feature Cross Reference

None

Program 47 : In-Mail
47-11 : IPK II In-Mail Answer Table Options

Level:
IN

Description

Use **47-11 : IPK II In-Mail Answer Table Options** to set options for the Answer Tables. IPK II In-Mail provides eight Answer Tables (1~8). To set up the schedules for each Answer Table, go to **47-12 : IPK II In-Mail Answer Table Schedule**.

Input Data

Item No.	Item	Input Data	Default
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 (No - Disabled)

Input Data (Continued)

Item No.	Item	Input Data	Default
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. IPK II In-Mail mailbox categories are Subscriber Mailbox, Master Mailbox, and Routing Mailbox. IPK II In-Mail handles the routing according to the type of mailbox (Subscriber, Call Routing, or Announcement) within the specified category: ❍ *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 an Announcement Mailbox, the outside caller shears the recorded announcement. Depending on how the Announcement Mailbox is programmed, IPK II In-Mail then hangs up, reroutes the call, or provides additional dialing options.* ❍ *If the Override Mailbox is a Call 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)	0 (Undefined)
	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.	Digits (3 maximum, using 0~9)	No Entry

Input Data (Continued)

Item No.	Item	Input Data	Default
03	**Default Mailbox Category** (Default MB Ctg) Use this option to specify the category of mailbox used as the Default Mailbox. IPK II In-Mail mailbox categories are Subscriber Mailbox, Master Mailbox, and Routing Mailbox. IPK II In-Mail uses the Default Mailbox when an Answer Schedule is not in effect. IPK II In-Mail handles the routing according to the type of mailbox (Subscriber, Call Routing, or Announcement) within the specified category: ❍ *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 an Announcement Mailbox, the outside caller hears the recorded announcement. Depending on how the Announcement Mailbox is programmed, IPK II In-Mail then hangs up, reroutes the call, or provides additional dialing options.* ❍ *If the Default Mailbox is a Call 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 = 3 (Routing Mailbox) Answer Table 2~8 = 0 (Undefined)
	Default Mailbox Number (Default MB Num) Use this option to set the Answer Table Default Mailbox number. IPK II In-Mail 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.	Digits (3 maximum, using 0~9)	Answer Table 1 = 1 Answer Table 2~8 = No Entry
04	**Next Answer Table** (Next Answer Table) When 10 Answer Schedules in an Answer Table are not sufficient, use this option to link two Answer Tables together. IPK II In-Mail treats the two linked tables as a single 20 entry Answer Table.	Answer Table (1~8) 0 (Undefined)	0 (Undefined)

Conditions
None

Feature Cross Reference

None

Program 47 : In-Mail
47-12 : IPK II In-Mail Answer Schedules

Level:
IN

Description

Use **47-12 : IPK II In-Mail Answer Schedules** to set up the IPK II In-Mail Automated Attendant Answer Schedules. There are eight Answer Tables, with up to 10 Answer Schedules in each Answer Table.

Input Data

Item No.	Item	Input Data	Default

01	**Schedule Type**
	
	(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:
	
	❍ **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:
	  ✔ 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:
	  ✔ 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.
	
	(continued on next page)
		1 (Day of the Week)
		2 (Range of Days)
		3 (Date)
		0 (Undefined)
			Answer Table 1/
			Schedule 1 = 2
			(Range of Days)
			
			All other schedules = 0
			(Undefined)

Input Data (Continued)

Item No.	Item	Input Data	Default
01	*(continued from previous page)* ❍ **3. Date** A type 3 Answer Schedule runs only on a specific day of the year. For this type of schedule, you select: ✔ 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.	0 (Undefined) 1 (Day of the Week) 2 (Range of Days) 3 (Date)	Answer Table 1/ Schedule 1 = 2 (Range of Days) All Other Schedules = 0 (Undefined)
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. IPK II In-Mail mailbox categories are Subscriber Mailbox, Master Mailbox, or Routing Mailbox. IPK II In-Mail handles the routing according to the exact type of Subscriber, Master, or Routing Mailbox specified. 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 an Announcement Mailbox, the outside caller hears the recorded announcement. Depending on how the Announcement Mailbox is programmed, IPK II In-Mail then hangs up, reroutes the call, or provides additional dialing options. If the Answering Mailbox is a Call 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)	3 (Routing Mailbox)
	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.	Digits (3 maximum, using 0~9)	Answer Table 1/ Schedule 1 = 1 All Other Answer Schedules = No Entry

Input Data (Continued)

Item No.	Item	Input Data	Default
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	1 (Sunday)
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	1 (Sunday) Answer Table 1/ Schedule 1 = 2 (Monday) All Other Schedules = 1 (Sunday)
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 (Friday) All Other Answer Schedules = 1 (Sunday)
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 = No date set	0000 = No Date Set
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 = 1:30AM - 1700 = 5:00PM	Answer Table 1/ Schedule 1 = 08:30 (8:30AM) All other schedules are undefined.
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 = 1:30AM - 1700 = 5:00PM	Answer Table 1/ Schedule 1 = 1700 (5:00PM). All Other Schedules = 0000 (Undefined).

Example

Type 1 (Day of the Week) Answer Schedule Options

Type 1 (Day of Week) Example

In this example, Answer Table 1 routes calls as follows:

❑   Schedule 1 uses Routing Mailbox 2 and runs Sunday from 8:30AM to 5:00PM.

❑   Schedule 2 uses Subscriber Mailbox 3 and runs Wednesday from 10:30AM to
     5:00PM.

❑   Schedule 3 uses Routing Mailbox 4 and runs Tuesday from 9:00AM to 10:00AM.

❑   At all other times, routing is handled by the Default Mailbox specified in 47-11-03:
     Default Mailbox Category and 47-11-03: Default Mailbox Number.

When setting up Answer Tables with multiple types, build the Answer Schedules in
the following order:

❑   Range of Days

❑   Day of Week

❑   Date

Type 1 (Day of Week) Example

Answer Table 1

	Answer Schedule 1
	Answer Schedule 1 is a Day of Week schedule that runs Sunday from 8:30AM to 5:00PM.

		47-12-01: Entry01 Schedule Type = 1
		47-12-02: Entry01 MB Ctg = 3 **47-12-02: Entry01 MB Num** = 2
		47-12-03: Entry01 Day = 1
		47-12-04: Entry01 Start Day = 1 (Entry does not matter)
		47-12-05: Entry01 End Day = 1 (Entry does not matter)
		47-12-06: Entry01 Date (MMDD) = 0000 (Entry does not matter)
		47-12-07: Entry01 Start Time = 0830 (8:30AM)
		47-12-08: Entry01 End Time = 1700 (5:00PM)

	Answer Schedule 2
	Answer Schedule 2 is a Day of Week schedule that runs Wednesday from10:30AM to 5:00PM.

		47-12-01: Entry01 Schedule Type = 1
		47-12-02: Entry01 MB Ctg = 1 **47-12-02: Entry01 MB Num** = 3
		47-12-03: Entry01 Day = 4
		47-12-04: Entry01 Start Day = 1 (Entry does not matter)
		47-12-05: Entry01 End Day = 1 (Entry does not matter)
		47-12-06: Entry01 Date (MMDD) = 0000 (Entry does not matter)
		47-12-07: Entry01 Start Time = 1030 (10:30AM)
		47-12-08: Entry01 End Time = 1700 (5:00PM)

	Answer Schedule 3
	Answer Schedule 3 is a Day of Week schedule that runs Tuesday from9:00AM to 10:00AM.

		47-12-01: Entry01 Schedule Type = 1
		47-12-02: Entry01 MB Ctg = 3 **47-12-02: Entry01 MB num** = 4
		47-12-03: Entry01 Day = 3
		47-12-04: Entry01 Start Day = 1 (Entry does not matter)
		47-12-05: Entry01 End Day = 1 (Entry does not matter)
		47-12-06: Entry01 Date (MMDD) = 0000 (Entry does not matter)
		47-12-07: Entry01 Start Time = 0900 (9:00AM)
		47-12-08: Entry01 End Time = 1000 (10:00PM)

Type 2 (Range of Days) Answer Schedule Options

Type 2 (Range of Days) Example

❑ In this example, Answer Table 1 routes calls as follows:

❑ Schedule 1 uses Routing Mailbox 1 and runs Sunday through Wednesday from 8:30AM to 5:00PM.

❑ Schedule 2 uses Routing Mailbox 2 and runs Thursday and Friday from 11:00AM to 1:00PM.

❑ At all other times, routing is handled by the Default Mailbox specified in 47-11-03: Default Mailbox Category and 47-11-03: Default Mailbox Number.

When setting up Answer Tables with multiple types, build the Answer Schedules in the following order:

❑ Range of Days

❑ Day of Week

❑ Date

Type 2 (Range of Days) Example

Answer Table 1

	Answer Schedule 1 Answer Schedule 1 is a Range of Days schedule that starts schedule that runs Sunday through Wednesday from 8:30AM to 5:00PM.

		47-12-01: Entry01 Schedule Type = 2
		47-12-02: Entry01 MB Ctg = 3 **47-12-02: Entry01 MB Num** = 1
		47-12-03: Entry01 Day = 1 (Entry does not matter)
		47-12-04: Entry01 Start Day = 1 (Sunday)
		47-12-05: Entry01 End Day = 4 (Wednesday)
		47-12-06: Entry01 Date (MMDD) = 0000 (Entry does not matter)
		47-12-07: Entry01 Start Time = 0830 (8:30AM)
		47-12-08: Entry01 End Time = 1700 (5:00PM)

	Answer Schedule 2 Answer Schedule 2 is a Range of Days schedule that runs Thursday and Friday from 11:00AM to 1:00PM.

		47-12-01: Entry01 Schedule Type = 2
		47-12-02: Entry01 MB Ctg = 3 **47-12-02: Entry01 MB Num** = 2
		47-12-03: Entry01 Day = 1 (Entry does not matter)
		47-12-04: Entry01 Start Day = 4 (Wednesday)
		47-12-05: Entry01 End Day = 5 (Thursday)
		47-12-06: Entry01 Date (MMDD) = 0000 (Entry does not matter)
		47-12-07: Entry01 Start Time = 1100 (11:00AM)
		47-12-08: Entry01 End Time = 1300 (1:00PM)

Type 3 (Date) Answer Schedule Options

Type 3 (Date) Example

In this example, Answer Table 1 routes calls as follows:

❑   Schedule 1 uses Routing Mailbox 1 and runs every day from 8:30AM to 5:00PM.

❑   Schedule 2 uses Routing Mailbox 9 and runs only on Christmas day from 8:30AM to 5:00PM.

❑   At all other times, routing is handled by the Default Mailbox specified in 47-11-03: Default Mailbox Category and 47-11-03: Default Mailbox Number.

When setting up Answer Tables with multiple types, build the Answer Schedules in the following order:

❑   Range of Days

❑   Day of Week

❑   Date

Type 3 (Date) Example		
Answer Table 1		
	Answer Schedule 1 Answer Schedule 1 is a Range of Days schedule that starts schedule that runs every day from 8:30AM to 5:00PM.	
		47-12-01: Entry01 Schedule Type = 2
		47-12-02: Entry01 MB Ctg = 3 **47-12-02: Entry01 MB Num** = 1
		47-12-03: Entry01 Day = 1 (Entry does not matter)
		47-12-04: Entry01 Start Day = 1 (Sunday)
		47-12-05: Entry01 End Day = 1 (Sunday)
		47-12-06: Entry01 Date (MMDD) = 0000 (Entry does not matter)
		47-12-07: Entry01 Start Time = 0830 (8:30AM)
		47-12-08: Entry01 End Time = 1700 (5:00PM)
	Answer Schedule 2 Answer Schedule 2 is a Date schedule that runs only on Christmas day from 8:30AM to 5:00PM.	
		47-12-01: Entry01 Schedule Type = 3
		47-12-02: Entry01 MB Ctg = 3 **47-12-02: Entry01 MB Num** = 9
		47-12-03: Entry01 Day = 1 (Entry does not matter)
		47-12-04: Entry01 Start Day = 1 (Entry does not matter)
		47-12-05: Entry01 End Day = 1 (Entry does not matter)
		47-12-06: Entry01 Date (MMDD) = 1225 (December 25, Christmas day)
		47-12-07: Entry01 Start Time = 0830 (8:30AM)
		47-12-08: Entry01 End Time = 1700 (5:00PM)

Conditions
None

Feature Cross Reference

None

Program 47 : In-Mail
47-13 : IPK II In-Mail Dial Action Tables

Level:
IN

Description

Use **47-13 : IPK II In-Mail Dial Action Tables** to set up the IPK II In-Mail 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 IPK II In-Mail system. There are 16 Dial Action Tables.

In-Mail

Default
Automated Attendant Answering

DIL to Voice Mail Master (200)
22-01-01 Incoming Call Trunk Setup
22-07-01 DIL Setup

Trunks Route to Answer Table 1
47-10-01 Answer Table Assignment

Answer Table 1
47-11 Answer Table Options

Schedule 1 or Default Mailbox
47-12 Answer Schedules
47-11-05 Default Mailbox

All calls route to Call Routing Mailbox 1
    Schedule 1 active M-F 8:30AM-5:00PM
    Default Mailbox active all other times

Call Routing Mailbox 1
47-08 Call Routing Mailbox Options

From a System Administrator mailbox, record an Instruction Menu (SA + I) for the active Call Routing Mailbox.

Dial Action Table 1
47-13 Dial Action Tables

Dial Action Table 1 Dialing Options:
    Dial an extension number, or
    O for the operator

Dial Action Table Actions

❏   **TRF Action - Screened Transfer (1)   (TRF)**

Use this action to allow an Automated Attendant caller to place a Screened Transfer to an extension. After an Automated Attendant caller dials an extension, IPK II In-Mail calls (screens) the destination to see if the transfer can go through.

If the destination is available, the Automated Attendant rings it. If the destination answers, the call goes through.

If the destination does not answer during a preset interval, is busy, or is in Do Not Disturb, the Automated Attendant does not extend the call. It then provides the caller with additional options.

Number Option

Normally, the corresponding Number option should be XXX. Note that the key you choose for this action is the first digit of the called extension number.

> For example, to allow callers to place Screened Transfers to extensions 301~399, for key 3 enter TRF for the *Action* and XXX for the corresponding *Number*.

To have Screened Transfer call a specific extension, the corresponding Number option should be that extension number. The caller then dials that single digit to reach the extension.

> For example, to have callers dial 8 to reach extension 303, for key 8 enter TRF for the *Action* and 303 for the corresponding *Number*.

❏   **UTRF Action - Unscreened Transfer (2)   (UTRF)**

Use this action to allow an Automated Attendant caller to place an Unscreened Transfer to an extension. This is similar to telephone system unscreened transfers in which the transferring party immediately extends the call. After an Automated Attendant caller dials an extension, IPK II In-Mail transfers the call to the destination and hangs up. Any recalls or additional routing are handled by the telephone system - just as with any other unscreened transfer.

Number Option

Normally, the corresponding Number option should be XXX. Note that the key you choose for this action is the first digit of the called extension number.

> For example, to allow callers to place Unscreened Transfers to extensions 301-399, for key 3 enter UTRF for the *Action* and XXX for the corresponding *Number*.

To have Unscreened Transfer call a specific extension, the corresponding Number option should be that extension number. The caller then dials that single digit to reach the extension.

> For example, to have callers dial 8 to reach extension 303, for key 8 enter UTRF for the *Action* and 303 for the corresponding *Number*.

❑ **REC1 Action - Quick Message With Greeting (3)   (REC1)**

Use this action to allow an Automated Attendant caller to leave a Quick Message at an extension. With this action, the caller hears the extension greeting prior to leaving the message.

<u>Number Options</u>

To have the caller leave a quick Message at a specific extension, the corresponding Number option should be the extension number.

To have the caller leave a Quick Message at any caller-dialed extension, the corresponding Number option should be IXXX.

To have the caller leave a Quick Message at a caller-dialed extension in a specific range, the corresponding Number option should be XXX.

> For example, to allow callers to leave a Quick Message extensions 301~399, for key 3 enter REC1 for the *Action* and XXX for the corresponding *Number*.

❑ **REC2 Action - Quick Message Without Greeting (4)   (REC2)**

Use this action to allow an Automated Attendant caller to leave a Quick Message at an extension. With this action, the caller *does not* hear the extension greeting prior to leaving the message. Instead, the caller hears the voice prompt *Recording* followed by a beep.

<u>Number Option</u>

To have the caller leave a quick Message at a specific extension, the corresponding Number option should be the extension number.

To have the caller leave a Quick Message at any caller-dialed extension, the corresponding Number option should be IXXX.

To have the caller leave a Quick Message at a caller-dialed extension in a specific range, the corresponding Number option should be XXX.

> For example, to allow callers to leave a Quick Message extensions 301~399, for key 3 enter REC2 for the *Action* and XXX for the corresponding *Number*.

❏ **LOGON Action - Log Onto Voice Mail (5)   (LOGON)**

Use this key action to allow an Automated Attendant caller to log onto Voice Mail. Depending on programming (see *Number Option* below), the caller is logged directly into a Subscriber Mailbox or is prompted to enter a Subscriber Mailbox of their own choosing. ***You cannot use the LOGON option with Call Routing and Announcement Mailboxes.***

Number Option

To log directly into a specific Subscriber Mailbox, enter the **mailbox number** in the corresponding Number option.

> For example, to have key 4 log directly into Subscriber Mailbox 305, for key 4 enter LOGON for the *Action* and 305 for the corresponding *Number*.

To have IPK II In-Mail request Automated Attendant callers to select a Subscriber Mailbox to log into, enter **N** in the corresponding Number option. The key you choose must represent the first digit in the Subscriber Mailbox numbers.

> For example, to have the Automated Attendant request callers enter the number of the Subscriber Mailbox where they want to log into, for key 3 enter LOGON for the *Action* and N for the corresponding *Number.* When callers dial 3, they hear, *Please enter your mailbox number.*

To have IPK II In-Mail require Automated Attendant callers to enter a Subscriber Mailbox to log into (without playing an announcement), enter **XXX** in the corresponding Number option. The key you choose must represent the first digit in the Subscriber Mailbox numbers.

> For example, to allow callers to log onto mailboxes 301~399, for key 3 enter LOGON for the *Action* and XXX for the corresponding *Number*.

To log into **any** valid Subscriber Mailbox, enter **IXXX** in the corresponding Number option.

> For example, to allow callers to dial 1 plus any Subscriber Mailbox number to log on, for key 1 enter LOGON for the *Action* and IXXX for the corresponding *Number*.

❏ **Hang Up Action (6)   (HNGUP)**

When an Automated Attendant caller presses a key assigned to this action, IPK II In-Mail says *Goodbye* and immediately hangs up.

Number Option

No entry is required in the corresponding Number Option.

❏   **GOTO Action - Go to Mailbox (7)   (GOTO)**

Use this option to provide Automated Attendant callers with the ability to route to Call Routing and Announcement Mailboxes. For example, a caller can dial a digit for Sales, and then go to the Call Routing or Announcement Mailbox that provides the dialing options and instructions for Sales.

Number Option

To have Automated Attendant callers dial a single digit to go to a Call Routing or Announcement Mailbox, enter the **mailbox number** in the corresponding Number option.

> For example, to have key 1 go to Call Routing Mailbox 01, for key 1 enter GOTO for the *Action* and 01 for the corresponding *Number*.

To have IPK II In-Mail require Automated Attendant callers to enter a Call Routing or Announcement Mailbox to go to, enter **XXX** in the corresponding Number option. The key you choose must represent the first digit in the mailbox number.

> For example, to allow callers to go to mailboxes 000-015, for key 0 enter GOTO for the *Action* and XXX for the corresponding *Number.*

To log into **any** valid Call Routing or Subscriber Mailbox, enter **IXXX** in the corresponding Number option.

> For example, to allow callers to dial 1 plus any Call Routing or Announcement Mailbox number to go to, for key 1 enter GOTO for the *Action* and IXXX for the corresponding *Number.*

❏   **UND Action - Undefined Routing (0)   (UND)**

Use this key action if you want a key to have no routing (no operation). When an Automated Attendant caller presses an undefined key, they hear, *That is an invalid entry.* The caller can then dial another option.

Input Data

Dial Action Table Number	01~16

Key No.	Dial Action Table Action	Additional Data
1	❍ TRF Action - Screened Transfer (1) (TRF)	❍ **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*.
2		
3	❍ UTRF Action - Unscreened Transfer (2) (UTRF)	❍ **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*.
4		
5	❍ REC1 Action - Quick Message With Greeting (3) (REC1)	
6		❍ **Ignore Digits** Entry : **I** *(Entered by pressing LK3)* Use the I option to represent any digit dialed by the Automated Attendant caller that IPK II In-Mail 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. IPK II In-Mail ignores the first digit dialed by the caller (*), and routes according to the next 3 digits dialed.
7	❍ REC2 Action - Quick Message Without Greeting (4) (REC2)	
8		
9		
0	❍ LOGON Action - Log Onto Voice Mail (5) (LOGON)	
✱	❍ Hang Up Action (6) (HNGUP)	❍ **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."*
#	❍ GOTO Action - Go to Mailbox (7) (GOTO)	
TIMEOUT	❍ UND Action - Undefined Routing (0) (UND)	
		❍ **Pause** Entry : **P** *(Entered by pressing LK4)* Use the P option when you want the Automated Attendant to pause while dialing.

Conditions
None

Defaults

Dial Action Table Default Settings		
Key	**Dial Action Table 1**	**Dial Action Tables 2~16**
1	UTRF to XXX (Unscreened Transfer to user-dialed extension)	UND (Undefined)
2	UND (Undefined)	UND (Undefined)
3	UTRF to XXXX (Unscreened Transfer to user-dialed extension)	UND (Undefined)
4	UND (Undefined)	UND (Undefined)
5	UND (Undefined)	UND (Undefined)
6	UND (Undefined)	UND (Undefined)
7	UND (Undefined)	UND (Undefined)
8	UND (Undefined)	UND (Undefined)
9	HNGUP (Hangup)	UND (Undefined)
0	UTRF to 101 (Unscreened Transfer to 101)	UND (Undefined)
∗	REC1 to IXXX (Quick Message with greeting to user-dialed extension)	UND (Undefined)
#	LOGON to IXXX (Logon to user-dialed mailbox)	UND (Undefined)
TIMEOUT	UTRF to 101 (Unscreened Transfer to 101)	UND (Undefined)

✎   *TIMEOUT provides the routing for rotary dial callers.*

Feature Cross Reference

None

Program 47 : In-Mail
47-14 : Master Directory Mailbox Options

Level:
IN

Description

Use **47-14 : Master Directory Mailbox Options** to define the Master Directory Mailbox Options. This data will be referred if Program 47-03-03 (Master Mailbox Type) was set to Type 4 (Directory).

Input Data

Master Mailbox Number	1~16

Item No.	Item	Input Data	Default
01	Minimum Number of Letters	1~3	1
02	Directory List	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 Timeout	0~99	5
07	Fax Detection	0 = Disable 1 = Enable	0
08	Next Call Routing Mailbox	0~16	0

Conditions
None

Feature Cross Reference

None

Program 47 : In-Mail
47-15 : Routing Directory Mailbox Options

Level:
IN

Description

Use **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	1~16

Item No.	Item	Input Data	Default
01	**Minimum Number of Letters**	1~3	1
02	**Directory List**	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 Timeout**	0~99	5
07	**Fax Detection**	0 = Disable 1 = Enable	0
08	**Next Call Routing Mailbox**	0~16	0

Conditions
None

Feature Cross Reference

None

Program 50 : Common Channel Interoffice Signaling Service

50-02 : Connecting System Settings

Level:
IN

Description

Use **Program 50-02 : Connecting System Settings** to define the settings for each CCIS Route ID.

Input Data

CCIS Route ID	Route ID 1~8: CCIS via DTI Route ID 9: CCIS via IAD (IP-CCIS)

Item No.	Item	Description	Input Data	Default
01	**Port Number of Common Signaling Channel (DTI only)**	Specify the Trunk port to send D-channel information. This program is available for using DTI package.	0~200	0
02	**Common Signaling Channel Data Speed Assignment (DTI only)**	Assign the baud rate of Common Signaling Channel on DTI package.	0 = 64Kbps 1 = 56Kbps 2 = 48Kbps(1) 3 = 48Kbps(2)	1
03	**Originating Point Code (DTI only)**	Assign the Point Code of own side.	0~16367	0
04	**Destination Point Code**	Assign the Point Code of destination side on the DTI link.	0~16367	0
05	**Calling Name Indication**	Calling name indication will not send to destination party if switch is turned to Disable.	0 = Disable 1 = Enable	1
06	**CCH Channel Number on the CCH Package Assignment**		0~4 (0 = No Setting)	0

Conditions

❍ If 56K K-CCIS is used, 24 Multi-Frame (ESF) must be assigned in Program 10-03-02.

❍ DPC must be what the OPC is on the opposite side of the link.

Feature Cross Reference

None

Program 50 : Common Channel Interoffice Signaling Service
50-03 : CCIS Destination System Settings

Level:
IN

Description

Use **Program 50-03 : CCIS Destination System Settings** to assign remote system IP Network information.

Input Data

CCIS System ID	1~255

Item No.	Item	Description	Input Data	Default
01	**Destination Point Code**	Define the Point Code at the Destination Party.	0~16367	0
02	**CCIS Route ID**	Select the CCIS Route ID defined in Program 14-13 when the user tries to access the system in a CCIS network.	0~8	0
03	**IP Address**	Assign the IP Address to a CCIS System ID.	xxx.xxx.xxx.xxx (xxx = 0~255)	0.0.0.0

Conditions
None

Feature Cross Reference

None

Program 50 : Common Channel Interoffice Signaling Service
50-04 : CCIS Office Code Assignment

Level:
IN

Description

Use **Program 50-04 : CCIS Office Code Assignment** to define the Office Code when the CCIS Network is constructed with an Open Numbering Plan.

Input Data

Item No.	Item	Input Data	Default
01	**CCIS Office Code**	xxxx (up to 4 digits) 0~9	No Setting

Conditions

❍ This program is used only in an Open Numbering Plan network. This should include the Trunk Access Code and Office Code number.

Feature Cross Reference

None

Program 50 : Common Channel Interoffice Signaling Service
50-05 : CCIS Maximum Call Forwarding Hop Counter

Level:
IN

Description

Use **Program 50-05 : CCIS Maximum Call Forwarding Hop Counter** to define the maximum hop counter of call forwarding.

Input Data

Item	Input Data	Default
Maximum Hop Counter	0~7	5

Conditions
None

Feature Cross Reference

None

Program 50 : Common Channel Interoffice Signaling Service
50-06 : CCIS Feature Availability

Level:
IN

Description

Use **Program 50-06 : CCIS Feature Availability** to define the availability of CCIS features.

Input Data

Item No.	Item	Input Data	Default	Description
01	**Link Reconnect**	0 = Not available 1 = Available	1	If this data is set to 0, Link Reconnect does not run.
02	**Centralized Day/Night Switching (for message receiver side)**	0 = Disable 1 = Enable	1	If this data is turned to 0, Day/Night mode is not changed even if system receives Switching message from center.

Conditions
None

Feature Cross Reference

None

Program 50 : Common Channel Interoffice Signaling Service
50-07 : CCIS Centralized Billing Center Office

Level:
IN

Description

Use **Program 50-07 : CCIS Centralized Billing Center Office** to define the Point Code and CCIS Route ID for the Billing Center Office.

Input Data

Item No.	Item	Input Data	Default	Description
01	**Destination Point Code**	0~16367	0	Define the Point Code of Billing Center Office.
02	**CCIS Route ID**	0~8	0	Define the CCIS Route ID to send Billing Center Office.
03	**Billing Message Format** **Requires Version 1500 or higher**	0:Normal Format 1:Expand Format	0	

Conditions
None

Feature Cross Reference

None

Program 50 : Common Channel Interoffice Signaling Service
50-08 : CCIS Centralized BLF Sending Group Assignment

Level:
IN

Description

Use **Program 50-08 : CCIS Centralized BLF Sending Group Assignment** to define the destination of BLF for the sending system. Eight sending systems can be registered in this program.

Input Data

Item No.	Item	Input Data	Default	Description
01	**Destination Point Code**	0~16367	0	Define the Point Code of Billing Center Office.
02	**CCIS Route ID**	0~8	0	Define the CCIS Route ID to send Billing Center Office.

Conditions
None

Feature Cross Reference

None

Program 50 : Common Channel Interoffice Signaling Service
50-09 : CCIS Centralized BLF Sending Extension Number Assignment

Level:
IN

Description

Use **Program 50-09 : CCIS Centralized BLF Sending Extension Number Assignment** to define the extension number for sending BLF messages. One extension number can have a sending switch for each sending group, which is defined in Program 50-08.

Input Data

Item No.	Item	Input Data	Default	Description
01	**Extension Number**	xxxxxxxx (up to 8 digits)	No Setting	Extension number. BLF message is indicated when the status of the specified extension number is changed.
02	**Send to Sending Group 1**	0 = Disable 1 = Enable	0	
03	**Send to Sending Group 2**	0 = Disable 1 = Enable	0	
04	**Send to Sending Group 3**	0 = Disable 1 = Enable	0	
05	**Send to Sending Group 4**	0 = Disable 1 = Enable	0	
06	**Send to Sending Group 5**	0 = Disable 1 = Enable	0	
07	**Send to Sending Group 6**	0 = Disable 1 = Enable	0	
08	**Send to Sending Group 7**	0 = Disable 1 = Enable	0	
09	**Send to Sending Group 8**	0 = Disable 1 = Enable	0	

Conditions
None

Feature Cross Reference

None

Program 50 : Common Channel Interoffice Signaling Service
50-10 : CCIS Centralized BLF Interval Time Assignment

Level:
IN

Description

Use **Program 50-10 : CCIS Centralized BLF Interval Time Assignment** to define the time to send BLF messages.

Input Data

Item No.	Item	Input Data	Default
01	**Type of Interval Time**	0 = 4 seconds 1 = 8 seconds 2 = 12 seconds 3 = 16 seconds	0

Conditions
None

Feature Cross Reference

None

Program 50 : Common Channel Interoffice Signaling Service

50-11 : CCIS Centralized Day/Night Switching Sending Group Assignment

Level:
IN

Description

Use **Program 50-11 : CCIS Centralized Day/Night Switching Sending Group Assignment** to define Point Code and CCIS Route ID for sending Day/Night Switching message.

Input Data

Item No.	Item	Input Data	Default	Description
01	**Destination Point Code**	0~16367	0	Define the Point Code for Day/Night Switching.
02	**CCIS Route ID**	0~8	0	Define the CCIS Route ID to send Day/Night Switching messages.

Conditions
None

Feature Cross Reference

None

Program 50 : Common Channel Interoffice Signaling Service

50-12 : CCIS Centralized Day/Night Mode to System Mode Assignment

Level:
IN

Description

Use **Program 50-12 : CCIS Centralized Day/Night Mode to System Mode Assignment** to define corresponding night mode to switch to when Day/Night mode switching message arrives.

Input Data

Item No.	Item	Input Data	Default
01	**Day Mode**	1~8	1
02	**Night Mode**	1~8	2

Conditions

None

Feature Cross Reference

None

Program 50 : Common Channel Interoffice Signaling Service
50-13 : CCIS Centralized Response Timeout Assignment

Level:
IN

Description

Use **Program 50-13 : CCIS Response Timeout Assignment** to define the response timeout value.

Input Data

Item No.	Item	Input Data	Default
01	IAI Response Timer	0~99	30

Conditions
None

Feature Cross Reference

None

Program 50 : Common Channel Interoffice Signaling Service
50-14 : CCIS Intercom Digits for Caller ID Call Return

Level:
IN

Description

Use **Program 50-14 : CCIS Intercom Digits for Caller ID Call Return** to eliminate
the 9 on Caller ID redial except for 7- and 8-digit extensions.

Input Data

Item No.	Item	Input Data	Default
01	**CCIS Intercom Digits for Caller ID Call Return** **Requires Version 1500 or higher**	0~24 (0 = Ignore setting)	0

Conditions
None

Feature Cross Reference

None

Program 80 : Basic Hardware Setup for System
80-01 : Service Tone Setup

Program

80

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
01	**Repeat Count**	0~255 (0 = until On-Hook)

Unit Number	1~8

Item No.	Item	Input Data
02	**Basic Tone Number**	1~33 0 = No Tone 33=Default Time Slot
03	**Duration Count**	1~255 (100~25500ms)
04	**Gain Level (dB)**	1~63 (-15.5 ~ +15.5)

Table 2-8 Basic Tones

Basic Tone No.	Frequency (Hz)	Level (dB)	Basic Tone No.	Frequency (Hz)	Level (dB)
01	400	- 13	17	520 / 650	-13 / -19
02	520	-13	18	650 / 780	-13 / -19
03	580	-13	19	780 / 1040	-13 / -19
04	660	-13	20	1040	-13
05	700	-13	21	-- Reserve --	-
06	800	-13	22	-- Reserve --	-
07	880	-13	23	-- Reserve --	-
08	1050	-13	24	-- Reserve --	-
09	350 / 440	-16 / -16	25	-- Reserve --	-
10	440 / 480	-16 / -16	26	-- Reserve --	-
11	480 / 620	-21 / -21	27	-- Reserve --	-
12	440	-16	28	-- Reserve --	-
13	-- Reserve --	-	29	-- Reserve --	-
14	520 / 650	-19 / -13	30	-- Reserve --	-
15	650 / 780	-19 / -13	31	-- Reserve --	-
16	780 / 1040	-19 / -13	32	-- Reserve --	-

Default

Service Tone No.	Service Tone	Repeat Count	Unit Count	Basic Tone No.	Duration	Gain Level (dB)
1	**No Tone**	0	Basic 1	0	10	32 (0dB)
2	**Intercom Dial Tone**	0	Basic 1	9	10	32 (0dB)
3	**Stutter Dial Tone**	0	Basic 6	0 9 0 9 0 9	2 1 1 1 1 77	32 (0dB)
4	**Internal Recall Dial Tone**	2	Basic 2	9 0	1 1	32 (0dB) 32 (0dB)
5	**Trunk Dial Tone**	0	Basic 1	9	10	32 (0dB)

Service Tone No.	Service Tone	Repeat Count	Unit Count	Basic Tone No.	Duration	Gain Level (dB)
6	**Internal Busy Tone**	0	Basic 2	0 11	5 5	20 (-6dB) 20 (-6dB)
7	**DND Busy Tone and Selectable Display Message Tone**	0	Basic 2	0 1	2 2	32 (0dB) 32 (0dB)
8	**Busy Tone**	0	Basic 2	0 11	5 5	20 (-6dB) 20 (-6dB)
9	**Internal Reorder Tone**	0	Basic 2	11 0	3 2	20 (-6dB) 20 (-6dB)
10	**Internal Interrupt Tone**	0	Basic 2	0 1	1 1	32 (0dB) 32 (0dB)
11	**Internal Confirmation Tone**	3	Basic 2	0 6	5 1	32 (0dB) 32 (0dB)
12	**Internal Hold Tone**	0	Basic 0	0	0	32 (0dB)
13	**External Hold Tone**	0	Basic 0	0	0	32 (0dB)
14	**Intercom Ringback Tone**	0	Basic 2	9 0	10 20	32 (0dB) 32 (0dB)
15	**Override Tone**	1	Basic 1	12	5	32 (0dB)
16	**Lock-Out Tone**	0	Basic 2	0 6	1 1	32 (0dB) 32 (0dB)
17	**Clock Alarm Tone**	0	Basic 4	6 0 6 0	1 1 1 7	32 (0dB) 32 (0dB) 32 (0dB) 32 (0dB)
18	**BGM**	0	Basic 0	0	0	32 (0dB)
19	**Door Box Chime 1**	3	Basic 6	4 4 2 2 2 0	2 2 3 4 6 5	38 (+3dB) 26 (-3dB) 38 (+3dB) 26 (-3dB) 14 (-9dB) 32 (0dB)
20	**Door Box Chime 2**	3	Basic 6	7 7 5 5 5 0	2 2 3 4 6 5	38 (+3dB) 26 (-3dB) 38 (+3dB) 26 (-3dB) 14 (-9dB) 32 (0dB)
21	**Door Box Chime 3**	3	Basic 6	8 8 6 6 6 0	2 2 3 4 6 5	38 (+3dB) 26 (-3dB) 38 (+3dB) 26 (-3dB) 14 (-9dB) 32 (0dB)

Service Tone No.	Service Tone	Repeat Count	Unit Count	Basic Tone No.	Duration	Gain Level (dB)
22	**Door Box Chime 4**	3	Basic 6	4 4 2 2 2 0	1 1 2 2 3 2	38 (+3dB) 26 (-3dB) 38 (+3dB) 26 (-3dB) 14 (-9dB) 32 (0dB)
23	**Door Box Chime 5**	3	Basic 6	7 7 5 5 5 0	1 1 2 2 3 2	38 (+3dB) 26 (-3dB) 38 (+3dB) 26 (-3dB) 14 (-9dB) 32 (0dB)
24	**Door Box Chime 6**	3	Basic 6	8 8 6 6 6 0	1 1 2 2 3 2	38 (+3dB) 26 (-3dB) 38 (+3dB) 26 (-3dB) 14 (-9dB) 32 (0dB)
25	**Service Set Tone**	3	Basic 2	0 9	1 1	32 (0dB) 32 (0dB)
26	**Service Clear Tone**	3	Basic 2	0 9	1 1	32 (0dB) 32 (0dB)
27	**Talkback Tone**	2	Basic 2	0 6	1 1	32 (0dB) 32 (0dB)
28	**Speaker Monitor Tone** This tone is what the originator hears when placing a handsfree speaker ICM call.	1	Basic 2	0 6	1 1	32 (0dB) 32 (0dB)
29	**Door Relay Tone**	1	Basic 2	0 6	1 1	32 (0dB) 32 (0dB)
30	**Door Box Call Tone**	1	Basic 2	0 6	1 1	32 (0dB) 32 (0dB)
31	**Paging Tone**	2	Basic 2	0 6	1 1	32 (0dB) 32 (0dB)
32	**Splash Tone 1**	1	Basic 2	0 6	1 1	32 (0dB) 32 (0dB)
33	**Splash Tone 2**	2	Basic 2	0 6	1 1	32 (0dB) 32 (0dB)
34	**Splash Tone 3**	3	Basic 2	0 6	1 1	32 (0dB) 32 (0dB)
35	**1 Second Signal Tone**	1	Basic 1	6	10	32 (0dB)
36	**Sensor Alarm Tone 1**	0	Basic 2	7 0	2 2	32 (0dB) 32 (0dB)

Service Tone No.	Service Tone	Repeat Count	Unit Count	Basic Tone No.	Duration	Gain Level (dB)
37	**Sensor Alarm Tone 2**	0	Basic 2	7 0	5 5	32 (0dB) 32 (0dB)
38	**Sensor Alarm Tone 3**	0	Basic 2	7 0	7 7	32 (0dB) 32 (0dB)
39	**Ring Busy Tone**	0	Basic 6	0 11 0 11 10 0	5 5 5 5 10 20	32 (0dB) 32 (0dB) 32 (0dB) 32 (0dB) 32 (0dB) 32 (0dB)
40	**Internal Call Waiting Tone**	1	Basic 1	12	2	32 (0dB)
41	**Intrusion Tone**	1	Basic 1	12	5	32 (0dB)
42	**Conference Tone**	1	Basic 0	0	0	32 (0dB)
43	**Intrusion Tone 2**	1	Basic 1	2	8	32 (0dB)
44	**External Dial Tone**	0	Basic 1	9	1	26 (-3dB)
45	**External Ring Back Tone**	0	Basic 2	10 0	10 30	32 (0dB) 32 (0dB)
46	**DID Error Tone**	0	Basic 2	11 0	5 5	32 (0dB) 32 (0dB)
47	**External Busy Tone**	0	Basic 1	11	0	32 (0dB)
48	**Voice Mail Message Waiting, Special Dial** **Stutter Dial Tone (Analog Sets)**	0	Basic 2	9 0	1 1	32 (0dB) 32 (0dB)
49	**--- Not Used ---**					
50	**External Special Audible Ring Tone**	0	3	10 12 0	10 2 30	32 (0dB) 32 (0dB) 32 (0dB)
51	**External Intercept Tone**	0	2	12 4	3 2	32 (0dB) 32 (0dB)
52	**External Call Waiting Tone**	1	1	12	3	32 (0dB)
53	**External Executive Override Tone**	1	1	12	10	32 (0dB)
54	**--- Not Used ---**					
55	**Generate tone for TAPI2.1**	0	Basic 1	3	0	32 (0dB)
56	**Warning Beep Tone Signaling**	1	Basic 1	2	8	32 (0dB)

Service Tone No.	Service Tone	Repeat Count	Unit Count	Basic Tone No.	Duration	Gain Level (dB)
57	**Headset Ear Piece Ringing Tone**	0	Basic 5	0 2 0 2 0	2 1 1 1 20	32 (0dB) 32 (0dB) 32 (0dB) 32 (0dB) 32 (0dB)
58	**Opening Chime Tone,** **External Paging**	1	Basic 8	2 2 14 14 15 15 16 16	2 2 2 2 2 2 6 4	32 (0dB) 26 (-3dB) 32 (0dB) 26 (-3dB) 32 (0dB) 26 (-3dB) 32 (0dB) 26 (-3dB)
59	**Ending Chime Tone,** **External Paging**	1	Basic 8	20 20 19 19 18 18 17 17	2 2 2 2 2 2 6 4	32 (0dB) 26 (-3dB) 32 (0dB) 26 (-3dB) 32 (0dB) 26 (-3dB) 32 (0dB) 26 (-3dB)
60	**Splash Tone 1 (Mute)**	1	Basic 2	0 6	1 1	8 (-12dB) 8 (-12dB)
61	**Splash Tone 2 (Mute)**	2	Basic 2	0 6	1 1	8 (-12dB) 8 (-12dB)
62	**Splash Tone 3 (Mute)**	3	Basic 2	0 6	1 1	8 (-12dB) 8 (-12dB)
63	**EXT SPK Ring-back Tone**	0	Basic 2	10 0	10 30	32 (0dB) 32 (0dB)
64	**Music on Hold (MOH)**	0	0	0	0	32 (0dB)

Conditions

❍   The system must be reset in order for any changes to these items take affect.

Feature Cross Reference

❑   Selectable Ring Tones

Program 80 : Basic Hardware Setup for System

80-02 : DTMF Tone Setup

Level:
IN

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.

Item No.	Item	Input Data	Default
01	**Duration**	1~255	5 (100 ms)
02	**Pause**	1~255	
03	**Tone Level (Low) (dB)**	1~97 -45 : +3	65 (-13dB)
04	**Tone Level (High)**	1~97 -45 : +3	69 (-11dB)

Duration

Pause

Conditions
None

Feature Cross Reference

None

Program 80 : Basic Hardware Setup for System

80-03 : DTMF Tone Receiver Setup

Level:
IN

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, 4, 5 = Reserved

Input Data

DTMF Tone Receiver Type No.	1 = DTMF Receiver for Extension 2 = DTMF Receiver for Trunk 3 = --- Reserve --- 4 = --- Reserve --- 5 = --- Reserve ---

Item No	Item	Input Data
01	**Detect Level**	0 = 0dBm ~ -25dBm 1 = -5dBm ~ -30dBm 2 = -10dBm ~ -35dBm 3 = -15dBm ~ -40dBm 4 = -20dBm ~ -45dBm 5 = -25dBm ~ -50dBm 6 = -30dBm ~ -55dBm
02	**Start delay time**	0~255 (0.25 ms ~ 64 ms)
03	**Min. detect level**	0~15 detect level 0 : –10dBm(0) to –25dBm(15) detect level 1 : –15dBm(0) to –30dBm(15) detect level 2 : –20dBm(0) to –35dBm(15) detect level 3 : –25dBm(0) to –40dBm(15) detect level 4 : –30dBm(0) to –45dBm(15) detect level 5 : –35dBm(0) to –50dBm(15) detect level 6 : –40dBm(0) to –55dBm(15)

Item No	Item	Input Data
04	**Max. detect level**	0~15 detect level 0 : 0dBm(0) to –15dBm(15) detect level 1 : –5dBm(0) to –20dBm(15) detect level 2 : –10dBm(0) to –25dBm(15) detect level 3 : –15dBm(0) to –30dBm(15) detect level 4 : –20dBm(0) to –35dBm(15) detect level 5 : –25dBm(0) to –40dBm(15) detect level 6 : –30dBm(0) to –45dBm(15)
05	**Forward twist level**	0~9 (1dB ~ 10dB)
06	**Backward twist level**	0~9 (1dB ~ 10dB)
07	**ON detect time**	1~255 (15+ 15 ms ~ 3825 ms)
08	**OFF detect time**	1-255 (15+ 15 ms ~ 3825 ms)

Default values

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**	10 (-20dBm)	15 (-25dBm)	10 (-20dBm)	10 (-20dBm)	10 (-20dBm)
04	**Max. detect level**	2 (-2dBm)	2 (-2dBm)	2 (-2dBm)	2 (-2dBm)	2 (-2dBm)
05	**Forward twist level**	5 (6dBm)	5 (6dBm)	5 (6dBm)	5 (6dBm)	5 (6dBm)
06	**Backward twist level**	0 (1dBm)	0 (1dBm)	0 (1dBm)	0 (1dBm)	0 (1dBm)
07	**ON detect time**	1 (30ms)	1 (30ms)	1 (30ms)	1 (30ms)	1 (30ms)
08	**OFF detect time**	1 (30ms)	1 (30ms)	1 (30ms)	1 (30ms)	1 (30ms)

Conditions
None

Feature Cross Reference

None

Program 80 : Basic Hardware Setup for System

80-04 : Call Progress Tone Detector Setup

Level:
IN

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, 5 = Reserved

Input Data

Tone Detector Type No.	1 = Dial Tone for Trunk 2 = Busy Tone for Trunk 3 = Ring Back Tone for Trunk 4 = --- Reserve --- 5 = --- Reserve ---

Item No	Item	Input Data
04	**No tone time**	0~255 (30+30-7680ms)
05	**Pulse Count**	1~255
06	**ON min. time**	1~255 (30+30-7680ms)
07	**ON max. time**	0~255 (30+30-7680ms)
08	**OFF min. time**	1~255 (30+30-7680ms)
09	**OFF max. time**	0~255 (30+30-7680ms)
10	**--- Reserve ---**	0~8
11	**--- Reserve ---**	0~8

Default values

Item	Name	Type 1 (DT)	Type 2 (BT)	Type 3 (RBT)	Type 4	Type 5
1	Detect Level	0 (-25dBm)	0 (-25dBm)	0 (-25dBm)	0	0
2	Min. detect level	15 (-25dBm)	15 (-25dBm)	15 (-25dBm)	0	0
3	S/N ratio	4 (-20dB)	4 (-20dB)	4 (-20dB)	0	0
4	No tone time	132 (3990ms)	132 (3990ms)	132 (3990ms)	0	0
5	Pulse Count	1	1	1	0	0
6	ON min. time	9 (300ms)	9(300ms)	25 (780ms)	0	0
7	ON max. time	0	14(450ms)[ET]	40 (1230ms)	0	0
8	OFF min. time	1 (60ms)	9(300ms)	83 (2520ms)	0	0
9	OFF max. time	1 (60ms)	14(450ms)	115 (3480ms)	0	0
10	--- Reserve ---	1	1	1	0	0
11	--- Reserve ---	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

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.

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)	0

Conditions
None

Feature Cross Reference

None

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.

Item No.	Item	Input Data	Default
01	**Wait time for Physical activation (Timer 3)**	1~255 (200~5100 ms)	100 (20 sec)
02	**Detection time for Physical deactivation**	1~255 (200~5100 ms)	5 (1 sec)

Program

81

Conditions
None

Feature Cross Reference

None

Program 81 : Basic Hardware Setup for Trunk
81-05 : ISDN BRI & PRI Layer 2 (T-Point) Initial Data Setup

Level:
MF

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.

Item No.	Item	Description	Input Data	Default
01	**Timer T200**	Specifies the timer value in 1/100ths of a second at the end of which transmission of a frame may be initiated.	1~255 (100~25500 ms)	10 (1 sec)
02	**Timer T201**	Specifies the minimum time in 1/100ths of a second between retransmissions of the TEI Identity check messages.	1~255 (100~25500 ms)	10 (1 sec)
03	**Timer T202**	Specifies the minimum time in 1/100ths of a second between retransmissions of the TEI Identity check messages.	1~255 (100~25500 ms)	20 (2 sec)
04	**Timer T203**	Specifies the maximum time in 1/100ths of a second allowed without exchanging frames.	1~255 (100~25500 ms)	250 (25 sec)
05	**N200**	Specifies the retransmission count.	1~255	3
06	**N201**	Specifies the frame lengths in ocelots.	1~65535 (Byte)	260
07	**N202**	Specifies the maximum number of transmissions from a TEI identity request message when the user requests a TEI.	1~255	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:
MF

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	Description	Input Data	Default
01	**T301**	Specifies the timer value in 1/100ths of a second of the timer to be started when the ALERT message is received.	0,180~254 (sec)	180 (sec)
02	**T302**	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.	1~254 (sec)	15 (sec)
03	**T303**	Specifies the timer value in 1/100ths of a second of the timer to be started when SETUP is sent.	1~254 (sec)	4 (sec)
04	**T304**	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.	0~254 (sec).	30 (sec)
05	**T305**	Specifies the timer value in 1/100ths of a second of the timer to be started when DISC without progress No. 8 is sent.	1~254 (sec)	30 (sec)
06	**T306**	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.	0~254 (sec)	30 (sec)
07	**T307**	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 for Network side use only.	1~254 (sec)	180 (sec)
08	**T308**	Specifies the timer value in 1/100ths of a second of the timer to be started when REL is sent.	1~254 (sec)	4 (sec)

Item No.	Item	Description	Input Data	Default
09	**T309**	Specifies the timer value in 1/100ths of a second upon data link disconnection.	1-254 (sec)	90 (sec)
10	**T310**	Specifies the timer value in 1/100ths of a second of the timer to be started when CALL PROC is sent.	0~180 (sec)	180 (sec)
11	**T312**	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.	1~254 (sec)	6 (sec)
12	**T313**	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.	1~254 (sec)	4 (sec)
13	**T314**	Specifies the timer value in 1/100ths of a second of the timer to be started when message segment is received.	1~254 (sec)	4 (sec)
14	**T316**	Specifies the timer value in 1/100ths of a second of the timer to be started when RESTART is sent.	(T317+1)~254 (sec)	120 (sec)
15	**T317**	Specifies the timer value in 1/100ths of a second of the timer to be started when RESTART is received.	1~(T316-1)	60 (sec)
16	**T318**	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.	1~254 (sec)	4 (sec)
17	**T319**	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.	1~254 (sec)	4 (sec)
18	**T320**	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.	1~254 (sec)	30 (sec)
19	**T321**	Specifies the timer value in 1/100ths of a second of the timer to be started when STATUS ENQ is received.	1~254 (sec)	30 (sec)
20	**T322**	Specifies the timer value in 1/100ths of a second upon D-channel failure.	1~254 (sec)	4 (sec)

Conditions

None

Feature Cross Reference

❑   ISDN Compatibility

Program 81 : Basic Hardware Setup for Trunk
81-10 : COI Initial Data Setup

Level:
IN

Description

Use **Program 81-10 : COI Initial Data Setup** to define the various basic timers for each COI trunk port.

Input Data

Trunk No.	1~ 200

Item No.	Item	Input Data	Default
01	**DP Interdigit Time Selection** The DP Interdigit Time is the minimum pause time between dial pulses. Use this Program to select either Pattern A or pattern B.	0 = Pattern A (Pattern A: 10pps - 650 ms, 20pps - 500 ms) 1 = Pattern B (Pattern B: 10pps - 800 ms, 20pps - 800 ms)	1
02	**Prepause Time Selection** Specifies the loop open time for a hookflash signal sent to the CO or PBX when the Recall key on a multiline terminal is pressed. A Single Line Telephone (SLT) generates a hookflash to the CO or PBX line when a SLT hookflash is assigned.	1~13 (1~13 seconds) (0 = No Setting)	9 (600 ms)
03	**Incoming Signal Detect Time Selection** Specifies the time after the incoming signal from another system is detected before the acknowledge signal is sent out.	0~15 (50~800 ms)	3 (200 ms)
04	**Disconnect Recognition Time Selection** Specifies the minimum time before a disconnected circuit can be accessed again.	1~15 (100 ms~1.5 seconds) (0 = No Setting)	3 (300 ms)
05	**Auto Release Signal Detection Time** Specifies the signal detection time for release of a CO/PBX line after a disconnect signal is received from the distant CO or PBX.	1~14 (50~700 ms) 15 = ∞ (0 = No Setting)	7 (350 ms)
06	**Pause Time Selection**	1~15 (500~7500 ms)	3 (200 ms)

Item No.	Item	Input Data	Default
07	**Hookflash Time Selection 1**	0 = 20 ms 1 = 40 ms 2 = 60 ms 3 = 80 ms 4 = 100 ms 5 = 140 ms 6 = 160 ms 7 = 200 ms 8 = 400 ms 9 = 600 ms 10 = 800 ms 11 = 1.0 seconds 12 = 1.5 seconds 13 = 2.0 seconds 14 = 3.0 seconds 15 = 5.0 seconds	9 (600 ms)
08	**Hookflash Time Selection 2**	0 = 20 ms 1 = 40 ms 2 = 60 ms 3 = 80 ms 4 = 100 ms 5 = 140 ms 6 = 160 ms 7 = 200 ms 8 = 400 ms 9 = 600 ms 10 = 800 ms 11 = 1.0 seconds 12 = 1.5 seconds 13 = 2.0 seconds 14 = 3.0 seconds 15 = 5.0 seconds	14 (3.0 sec.)

Conditions
None

Feature Cross Reference

None

Program 81 : Basic Hardware Setup for Trunk

81-11 : Tie Line Initial Setup

Level:
IN

Description

Use **Program 81-11 : Tie Line Initial Setup** to define the various initial data for DID/TLI/DTI packages.

Input Data

Trunk No.	1~ 200

Item No.	Item	Input Data	Default
01	**DP Interdigit Time Selection** The DP Interdigit Time is the minimum pause time between dial pulses. Use this Program to select either Pattern A or pattern B.	0 = Pattern A (Pattern A: 10pps - 650 ms, 20pps - 500 ms) 1 = Pattern B (Pattern B: 10pps - 800 ms, 20pps - 800 ms)	1
02	**Prepause Time Selection** Specifies the loop open time for a hookflash signal sent to the Tie Line when the Recall key on a multiline terminal is pressed. A Single Line Telephone (SLT) generates a hookflash to the Tie Line when a SLT hookflash is assigned.	1~4 (1~4 = 0.5~2.0 seconds) (5~15 = 3.0~13 seconds) (0 = No Setting)	9 (600 ms)
03	**Tie Line Answer Detect Time Selection** Specifies the time before an IPK II system answer (Off-Hook) is recognized as an answer.	0~15 (130 ms~1950 ms) (0 = No Setting)	4 (520 ms)
04	**Tie Line Release Detect Time Selection** Specifies the circuit disconnect detected on the Tie Line on the distant system side is recognized as Tie Line.	0~15 (130 ms~1950 ms) (0 = No Setting)	4 (520 ms)
05	**Incoming Signal Detect Time Selection** Specifies the time after the incoming signal from another system is detected before the acknowledge signal is sent out.	[Wink Start] 1~15 (130 ms~1950 ms) (0 = No Setting) [Delay] 1~15 (30 ms~450 ms) (0 = No Setting)	[Wink Start] 3 (390 ms) [Delay] 3 (90 ms)

Item No.	Item	Input Data	Default
06	**Loop Off-Guard Time Selection** Assign loop off-guard time to prevent noise that could cause the system to be unable to answer an incoming Tie line.	1~4 (0.5 sec~2.0 sec) 5~15 (3 sec~13 sec) (0 = No Setting)	4 (2.0 sec)
07	**Length of Wink Signal Selection** Specifies the time a wink pulse is sent to another system.	0~15 (30 ms~480 ms)	5 (180 ms)
08	**Length of Delay Signal Selection** Specifies the time a delay pulse is sent to another system.	1~15 (300 ms~4.5 sec) (0 = No Setting)	1 (300 ms)
09	**Incoming Interdigit Timeout Selection** To specify the time, in seconds, that an address signal is missing during the incoming call detection process before an error tone is returned to the other system.	0 = 8 1~15 (1~15 seconds)	6 (6 seconds)
10	**Wink/Delay Signal Detect Timeout Selection** To specify a maximum time, in seconds, for receiving an acknowledgment signal from a distant system before sending a busy tone.	0 = 8 1~15 (1~15 seconds)	7 (7 seconds)
11	**Disconnect Recognition Time Selection** Specifies the minimum time before a disconnected circuit can be accessed again.	1~15 (0.1~1.5 seconds) (0 = No Setting)	3 (0.3 second)
12	**Automatic Release Signal Detection Selection** Specifies the signal detection time for release of a Tie Line after a disconnect signal is received from the distant CO or PBX.	1~14 (50~700 ms) 15 = 8 (0 = No Setting)	7 (350 ms)
13	**Pause Time Selection**	1~15 (500~7500 ms)	7 (7 seconds)

Item No.	Item	Input Data	Default
14	**Hookflash Time Selection 1**	0 = 20 ms 1 = 40 ms 2 = 60 ms 3 = 80 ms 4 = 100 ms 5 = 140 ms 6 = 160 ms 7 = 200 ms 8 = 400 ms 9 = 600 ms 10 = 800 ms 11 = 1.0 seconds 12 = 1.5 seconds 13 = 2.0 seconds 14 = 3.0 seconds 15 = 5.0 seconds	9 (600 ms)
15	**Hookflash Time Selection 2**	0 = 20 ms 1 = 40 ms 2 = 60 ms 3 = 80 ms 4 = 100 ms 5 = 140 ms 6 = 160 ms 7 = 200 ms 8 = 400 ms 9 = 600 ms 10 = 800 ms 11 = 1.0 seconds 12 = 1.5 seconds 13 = 2.0 seconds 14 = 3.0 seconds 15 = 5.0 seconds	14 (3.0 sec.)

Conditions

None

Feature Cross Reference

None

Program 81 : Basic Hardware Setup for Trunk

81-12 : Trunk Gain Level Data Setup

Level:
MF

Description

Use **Program 81-12 : Trunk Gain Level Data Setup** to define the various initial data for TLI/DTI/DID/BRT/PRT package.

Input Data

Trunk Number	1~200

Item No.	Item	Input Data	Default
01	**Internal Transmit Gain Level**	0 = +2dB	3 = +8dB
02	**Internal Receive Gain Level**	1 = +4dB 2 = +6dB	3 = +8dB
03	**External (tandem) Transmit Gain Level**	3 = +8dB 4 = +12dB	8 = 0dB
04	**External (tandem) Receive Gain Level**	5 = +16dB 6 = +3dB 7 = -3dB 8 = 0dB	8 = 0dB

Conditions
None

Feature Cross Reference

None

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Program 82 : Basic Hardware Setup for Extension

82-01 : Incoming Ring Tone

Level:
MF

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 820 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

Ringing Tone Type Number	1 = High 2 = Mid 3 = Low

Item No.	Item	Input Data
01	**Frequency 1**	1 = 520Hz 2 = 540Hz 3 = 660Hz 4 = 760Hz 5 = 1100Hz 6 = 1400Hz 7 = 2000Hz
02	**Frequency 2**	

Item No.	Item	Input Data
03	**Modulation**	0 = No Modulation 1 = 8Hz Modulation 2 = 16Hz Modulation 3 = Envelope

Default

Incoming Ringing Tone Number	Tone Type	Frequency 1	Frequency 2	Modulation
Pattern 1 (Trunk Incoming)	High Mid Low	1100 660 520	1400 760 660	16Hz Modulation 16Hz Modulation 16Hz Modulation
Pattern 2 (Trunk Incoming)	High Mid Low	1100 660 520	1400 760 660	8Hz Modulation 8Hz Modulation 8Hz Modulation
Pattern 3 (Trunk Incoming)	High Mid Low	2000 1400 1100	760 660 540	16Hz Modulation 16Hz Modulation 16Hz Modulation
Pattern 4 (Trunk Incoming)	High Mid Low	2000 1400 1100	760 660 540	8Hz Modulation 8Hz Modulation 8Hz Modulation
Intercom Incoming Pattern	High Mid Low	1100 660 520	1400 760 660	8Hz Modulation 8Hz Modulation 8Hz Modulation
Alarm Sensor Pattern	High Mid Low	760 760 760	760 760 760	No Change No Change No Change

Conditions

None

Feature Cross Reference

❑   Distinctive Ringing Tones and Flash Patterns

❑   Selectable Ring Tones

Program 82 : Basic Hardware Setup for Extension

82-03 : DSS Console LED Pattern Setup

Level:
MF

Description

Use **Program 82-03 : DSS Console LED Pattern Setup** to define the LED patterns for special functions on a DSS console.

Input Data

Item No.	Item	Input Data	Default
01	**ACD Log In**	0~7	1
02	**ACD Log Out**	0~7	4
03	**ACD Emergency Call**	0~7	3

LED Pattern 0 : [OFF]

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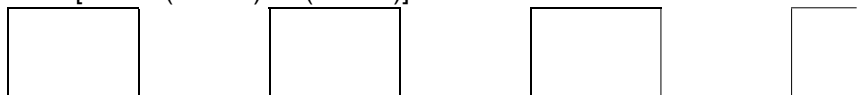
LED Pattern 1 : [FL: On(500ms)/Off(500ms)]

On
Off

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

On
Off

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

On
Off

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

On
Off

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
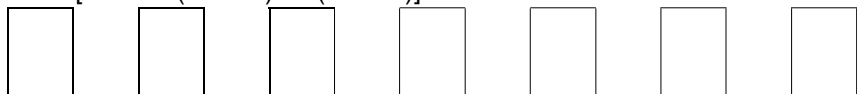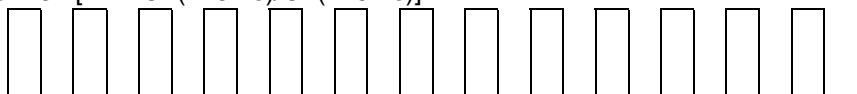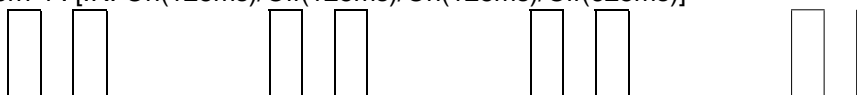
Conditions
None

Feature Cross Reference

❑   Direct Station Selection (DSS)

Program 82 : Basic Hardware Setup for Extension

82-08 : Sidetone Volume Setup

**Level:
MF**

Description

Program 82-08 : Sidetone Volume Setup allows adjust of the keyset 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
01	Sidetone Volume	0	-54 (dB)	-54 (dB)
		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
82-11 : SLI Initial Setup

Level:
IN

Description

Use **Program 82-11 : SLI Initial Setup** to define the various timers for SLI Packages.

Input Data

Item No.	Item	Description	Input	Default
01	**Bounce Protect Time**	Specify a time for detection of a valid 0ff-Hook indication that is long enough to prevent an unintentional bounce of the receiver from being detected as a new Off-Hook indication from a Single Line Telephone.	0 = No Setting 1~15 = 100ms~1.5sec	3
02	**HookFlash Start Time**	Specify the minimum hookflash time from a Single Line Telephone or analog Voice Mail system before it is detected as the beginning of a valid hookflash.	0 = 40ms 1~15 = 90ms~790ms	5
03	**HookFlash End Time**	Specify the maximum hookflash duration from a Single Line Telephone to receive a second dial tone.	0 = HST+0ms 1~15 = HST+100ms~HST+1500ms (HST=Hookflash Start Time)	7

Conditions
None

Feature Cross Reference

None

Program 82 : Basic Hardware Setup for Extension

82-12 : OPX Initial Data

Level:
IN

Description

Use **Program 82-12 : OPX Initial Data** to define the various initial data for OPX packages.

Input Data

Item No.	Item	Description	Input	Default
01	**Bounce Protect Time**	Specify a time for detection of a valid 0ff-Hook indication that is long enough to prevent an unintentional bounce of the receiver from being detected as a new Off-Hook indication from a Single Line Telephone.	0 = No Setting 1~15 = 100ms~1.5sec	3
02	**HookFlash Start Time**	Specify the minimum hookflash time from a Single Line Telephone or analog Voice Mail system before it is detected as the beginning of a valid hookflash.	0 = 40ms 1~15 = 90ms~790ms	5
03	**HookFlash End Time**	Specify the maximum hookflash duration from a Single Line Telephone to receive a second dial tone.	0 = HST+0ms 1~15=HST+100ms~HST+1500ms (HST=Hookflash Start Time)	7

Conditions
None

Feature Cross Reference

None

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Program 83 : Hardware Setup for IPK II Wireless

83-12 : Wireless – DECT Measurement

Level:

MF

Program

83

Description

(This program is available only via telephone programming and not through PC Programming).

Use **Program 83-12 : Wireless – DECT Measurement** to define the Wireless DECT Base Station measurement.

Input Data

Item No.	Item	Input Data	Default
01	**DECT Measurement** This program measures the length of cables connecting the BSU(4M) and Base Stations so that the system can find the best signal transmitting timing for handover. Enter Program 83-12-01, press 1 then Transfer. The system then restarts all Base Stations/RFPs (this takes 3-5 minutes) and they can then use the best timing possible. This program should be used anytime the Base Station configuration is changed (adding or deleting Base Stations or changing connecting cables).	0~9	No Setting

Conditions
None

Feature Cross Reference

❑   Wireless-DECT

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Program 84 : Hardware Setup for VoIP

84-03 : IP Phone Information Basic Setup

Level:
IN

Program

84

Description

Use **Program 84-03 : IP Phone Information Basic Setup** to define the details of IP Terminals and Adapters.

Input Data

Terminal Type	1 = D^{term} IP / Electra Elite IPK II Multiline Terminal with IP Adapter 2 = Soft Phone 3 = Bundle IP Phone

Item No.	Item	Input Data	Default
06	**Area Number**	0 = Japan 1 = USA 2 = Australia 3 = EU 4 = Asia 5 = Other Country 18 = NZ	1
07	**--- Not Used ---**		
08	**--- Not Used ---**		
10	**Signaling Server Port**	0~65535	5029
11	**Negotiation Timer**	0~255	5

Conditions
None

Feature Cross Reference

❑   Voice Over Internet Protocol (VoIP)

Program 84 : Hardware Setup for VoIP
84-04 : VoIP DHCP Server Mode Setup

Level:
IN

Description

Use **Program 84-04 : VoIP DHCP Server Mode Setup** to enable or disable the DHCP server on the CPU II( )-U10.

Input Data

Item No.	Item	Input Data	Default
01	**DHCP Server Mode**	0 = Disable 1 = Enable	0

Conditions

None

Feature Cross Reference

None

Program 84 : Hardware Setup for VoIP

84-05 : VoIP IP Address

Level:
IN

Description

Use **Program 84-05 : VoIP Address Setup** to define the IP Address of the IP Applications (MG16 ETU, CCISoIP ETU).

Input Data

Slot Number	01~24

Item No.	Description	Input Data	Default
01	**IP Address** Set IP Address of IP Application. The IP Address is increased in accordance with the slot number.	1.0.0.1–126.255.255.254 128.1.0.1–191.254255.254 192.0.1.1–223.255.254.254	Slot 1 = 172.16.0.20 Slot 2 = 172.16.0.21 Slot 3 = 172.16.0.22 Slot 4 = 172.16.0.23 Slot 5 = 172.16.0.24 Slot 6 = 172.16.0.25 Slot 7 = 172.16.0.26 Slot 8 = 172.16.0.27 Slot 9 = 172.16.0.28 Slot 10 = 172.16.0.29 Slot 11 = 172.16.0.30 Slot 12 = 172.16.0.31 Slot 13 = 172.16.0.32 Slot 14 = 172.16.0.33 Slot 15 = 172.16.0.34 Slot 16 = 172.16.0.35
02	**LAN Interface** NIC Auto Negotiation	0 = Auto Detect 1 = 100 Mbps, Full Duplex 2 = 100 Mbps, Half Duplex 3 = 10 Mbps, Full Duplex 4 = 10 Mbps, Half Duplex	0
03	**Master/Slave**	0 = Slave 1 = Master	0

Item No.	Description	Input Data	Default
04	**Subnet Mask** Set the subnet mask Address of the IP Application.	Slot 1~24	255.255.0.0
05	**Default Gateway** Set the Default Gateway of the IP Application.	Slot 1~24	0.0.0.0

Conditions

❍ The system programming must be exited before these program options take affect.

❍ When configuring the CCISoIP IP Application the IAD(8)-U10 ETU must be reset for system data to take affect.

Feature Cross Reference

❑ Voice Over Internet Protocol (VoIP)

Program 84 : Hardware Setup for VoIP

84-06 : VoIP Info

Level:
IN

Description

Use **Program 84-06 : VoIP Info** to set up threshold levels of the MG16 ETU.

Input Data

Slot Number	01~24

Item No.	Item	Input Data	Default	Description
01	**RTP Port Number**	0~65535	10020	
02	**RTCP Port Number**	RTP Port Number + 1	10021	It has to be RTP Port Number + 1.
03	**--- Not Used ---**			
04	**Fract Lost Threshold**	0~100 ms	0	The data is sent to the CPUII if the value exceeds the defined value.
05	**Packets Lost Threshold**	0~4294967295	0	The data is sent to the CPUII if the value exceeds the defined value.
06	**--- Not Used ---**			
07	**Jitter Threshold**	0~4294967295 (sec)	0	The data is sent to the CPUII if the value exceeds the defined value.
08	**--- Not Used ---**			
09	**Delay LSR Threshold**	0~4294967295	0	The data is sent to the CPUII if the value exceeds the defined value.
16	**ICMP Redirect**	0=No 1=Yes	0	

Conditions

❍ The system programming must be exited before these program options take affect.

Feature Cross Reference

❑ Voice Over Internet Protocol (VoIP)

Program 84 : Hardware Setup for VoIP

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	Default
01	**Server Mode**	0 = TFTP 1 = FTP	0
02	**File Server IP Address**	0.0.0.0–126.255.255.254 128.0.0.1–191.255255.254 192.0.1.1–223.255.254.254	0.0.0.0
03	**Login Name**	Up to 20 Characters	None
04	**Password**	Up to 20 Characters	None

Conditions

None

Feature Cross Reference

None

Program 84 : Hardware Setup for VoIP

84-08 : Firmware Name Setup

Level:
IN

Description

Use **Program 84-08 : Firmware Name Setup** to set up the directory and filename for the firmware that will be downloaded to IP phones.

Input Data

Item No.	Item	Input Data	Default
01	**Firmware Directory** **Requires Version 1500 or higher**	Up to 64 Characters	None
02	**Firmware File Name** **Requires Version 1500 or higher**	Up to 30 Characters	None

Conditions

None

Feature Cross Reference

None

Program 84 : Hardware Setup for VoIP

84-09 : VLAN Setup

Level:
IN

Description

Use **Program 84-09 : VLAN Setup** to set up the VLAN data.

Input Data

Item No.	Item	Input Data	Default
01	VLAN	0 = Disable (Off) 1 = Enable (On)	0
02	VLAN ID	1~4094	0
03	Priority	0~7	0

Conditions

○   The system programming must be exited before these program options take affect.

Feature Cross Reference

❑   Voice Over Internet Protocol (VoIP)

Program 84 : Hardware Setup for VoIP
84-10 : ToS Setup

Level:
IN

Description

Use **Program 84-10 : ToS Setup** to set up the ToS data.

Input Data

Protocol Type	1 = CPU 2 = MGC 3 = MEGACO 4 = --Reserved--H.323 5 = RTP/RTCP 6 = SIP 7 = CCISoIP

Item No.	Item	Input Data	Default	Description
01	**ToS Mode**	0 = Disable (Invalid) 1 = IP Precedence 2 = Diffserv	0	When Input Data is set to 1, Item No. 07 is invalid. When Data is set to 2, Item No. 02 ~ 06 are invalid.
02	**Priority, IP Precedence**	0~7 0 = Low 7 = High	0	1 = Router queuing priority
03	**Low Delay**	0~1 0 = Normal Delay, Low Delay	0	1 = Optimize for low delay routing
04	**Wide Band (Throughout)**	0~1 0 = Normal Throughput 1 = High Throughput	0	1 = Optimize for high bandwidth routing
05	**High Reliability**	0~1 0 = Normal Reliability 1 = Low Reliability	0	1 = Optimize for reliability routing
06	**Low Cost**	0~1 0 = Normal Cost 1 = Low Cost	0	1 = Optimize for low cost routing
07	**Priority (D.S.C.P. - Differentiated Services Code Point)**	0~63	0	DSCP (Differentiated Services Code Point)

Conditions

❍ The system must be reset for these program options to take affect.

Feature Cross Reference

❑ Voice Over Internet Protocol (VoIP)

Program 84 : Hardware Setup for VoIP
84-11 : D^{term} ® IP CODEC Information Basic Setup

Level:
IN

Description

Use **Program 84-11 : D^{term} IP CODEC Information Basic Setup** to set voice (RTP packet) encoding parameters.

Input Data

Type	1~5

Item No.	Item	Input Data	Default
01	**G711 Audio Frame**	3	3
02	**G711 VAD Mode**	0 = Disable 1 = Enable	0
03	**G711 Type**	0 = A-law 1 = u-law	1
04	**G.711 Jitter Buffer Min**	0~145 ms	30
05	**G.711 Jitter Buffer Type**	0~145 ms	60
06	**G.711 Jitter Buffer Max**	0~145 ms	120
07	**G.729 Audio Frame**	1~4	3
08	**G.729 VAD Mode**	0 = Disable 1 = Enable	0
09	**G.729 Jitter Buffer Min**	0~500 ms	30
10	**G.729 Jitter Buffer Type**	0~500 ms	60
11	**G.729 Jitter Buffer Max**	0~500 ms	120
12	**--- Not Used ---**		
13	**--- Not Used ---**		
14	**--- Not Used ---**		
15	**--- Not Used ---**		
16	**--- Not Used ---**		

Item No.	Item	Input Data	Default
17	**Jitter Buffer Mode**	1 = Static 2 = Immediate	2
18	**VAD Threshold**	0~30 = (-19db~+10db) Adaptec Threshold) 0 = Adaptec Threshold 1 = -19db(-49dbm) : 20 = 0db (-30dbm) : 29 = 9dbm(-21dbm) 30 = 10dbm(-20dbm)	20
20	**--- Not Used ---**		
22	**--- Not Used ---**		
26	**TX Gain**	0~28 (-14~+14) 0 = -14 dbm 1 = -13 dbm : 14 = 0 dbm : 27 = 13 dbm 28 = 14 dbm	14
27	**RX Gain**	0~28 (-14~+14) 0 = -14 dbm 1 = -13 dbm : 14 = 0 dbm : 27 = 13 dbm 28 = 14 dbm	14
28	**Audio Capability Priority**	0 = G711 2 = G729	0
29	**--- Not Used ---**		
30	**--- Not Used ---**		
31	**--- Not Used ---**		

Conditions
None

Feature Cross Reference

❏ Voice Over Internet Protocol (VoIP)

Program 84 : Hardware Setup for VoIP
84-13 : SIP Trunk Codec Information Basic Setup

Level:
IN

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	Default
01	**G.711 Audio Frame Number** **Requires Version 1500 or higher**	2, 3	2
02	**G.711 Voice Activity Detection Mode** **Requires Version 1500 or higher**	0 = Disabled 1 = Enabled	0
03	**G.711 Type** **Requires Version 1500 or higher**	0 = A-law 1 = u-law	1
04	**G.711 Jitter Buffer (min)** **Requires Version 1500 or higher**	0~200 ms	20
05	**G.711 Jitter Buffer (Type)** **Requires Version 1500 or higher**	0~200 ms	40
06	**G.711 Jitter Buffer (max)** **Requires Version 1500 or higher**	0~200 ms	60
07	**G.729 Audio Frame Number** **Requires Version 1500 or higher**	2 = 20 ms 3 = 30 ms 4 = 40 ms 5 = 50 ms 6 = 60 ms	2
08	**G.729 Voice Activity Detection Mode** **Requires Version 1500 or higher**	0 = Disabled 1 = Enabled	0

Input Data

Item No.	Item	Input Data	Default
09	**G.729 Jitter Buffer (min)** **Require**s **Version 1500 or higher**	0~200 ms	20
10	**G.729 Jitter Buffer (typ)** **Requires Version 1500 or higher**	0~200 ms	40
11	**G.729 Jitter Buffer (max)** **Requires Version 1500 or higher**	0~200 ms	60
12	**--- Not Used ---**		
13	**--- Not Used ---**		
14	**--- Not Used ---**		
15	**--- Not Used ---**		
16	**--- Not Used ---**		
17	**Jitter Buffer Mode** **Requires Version 1500 or higher**	1 = Static 2 = Adaptive during silence 3 = Adaptive Immediately	3
18	**VAD Threshold** **Requires Version 1500 or higher**	0~30 = -19db~+10db 1 = -19db (-49dbm) : 2 = 0db (-30dbm) : 29 = 9dbm (-21dbm) 30 = 0dbm (-20dbm)	20
19	**--- Not Used ---**		
20	**--- Not Used ---**		
21	**--- Not Used ---**		
22	**--- Not Used ---**		
23	**--- Not Used ---**		
24	**--- Not Used ---**		0
25	**--- Not Used ---**		0

Input Data

Item No.	Item	Input Data	Default
26	**TX Gain** **Requires Version 1500 or higher**	0~28 = (-14dbm ~ +14dbm) 0 = -14dbm 1 = -13 dbm : 14 = 0dbm : 27 = 13dbm 28 = 14dbm	10
27	**RX Gain** **Requires Version 1500 or higher**	0~28 = -14dbm ~ +14dbm) 0 = -14dbm 1 = -13 dbm : 14 = 0dbm : 27 = 3dbm 28 = 4dbm	10
28	**Audio Capability Priority** **Requires Version 1500 or higher**	0 = G711 2 =G729	0
29	**--- Not Used ---**		0
30	**--- Not Used ---**		0
31	**DTMF Payload Number** **Requires Version 1500 or higher**	96~127	110
32	**DTMF Relay Mode** **Requires Version 1500 or higher**	0 = Disable 1 = RFC2833	0

Conditions

None

Feature Cross Reference

None

Program 84 : Hardware Setup for VoIP

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
06	**SIP UA Trunk Port Number** **Requires Version 1500 or higher**	1~65535	5060
07	**Session Timer Value** **Requires Version 1500 or higher**	1~65535	0
08	**Minimum Session Timer Value** **Requires Version 1500 or higher**	1~65535	1800
09	**Called Party Information** **Requires Version 1500 or higher**	0 = Request URI 1 = To Header	0
10	**URL Type** **Requires Version 1500 or higher**	0 = SIP-URL 1 = TEL-URL	0

Conditions

None

Feature Cross Reference

None

Program 84 : Hardware Setup for VoIP
84-17 : VoIP Echo Canceller Control Setup

Level:
IN

Description

Use **Program 84-17 : VoIP Echo Canceller Control Setup** to configure echo cancellation.

Input Data

Item No.	Item	Input Data	Default
01	**Echo Canceller Mode**	0 = Disable 1 = Enable	1
02	**Echo Canceller Tail Size**	1 = 8 ms 2 = 16 ms 3 = 32 ms 4 = 64 ms 5 = 128 ms	5 (Type4) 1 (Type5
03	**Echo Canceller NLP Mode**	0 = Disable 1 = Enable	1 (Type4) 0 (Type5)

Conditions

None

Feature Cross Reference

None

Program 84 : Hardware Setup for VoIP
84-19 : SIP Extension Codec Information Basic Setup

Level:
IN

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	Default
01	**G.711 Audio Frame Number** **Requires Version 1500 or higher**	1~4	3
02	**G.711 Voice Activity Detection Mode** **Requires Version 1500 or higher**	0 = Disabled 1 = Enabled	0
03	**G.711 Type** **Requires Version 1500 or higher**	0 = A-law 1 = u-law	1
04	**G.711 Jitter Buffer (min)** **Requires Version 1500 or higher**	0~255 ms	30
05	**G.711 Jitter Buffer (Type)** **Requires Version 1500 or higher**	0~255 ms	60
06	**G.711 Jitter Buffer (max)** **Requires Version 1500 or higher**	0~255 ms	120
07	**G.729 Audio Frame Number** **Requires Version 1500 or higher**	2~5 2 =20 ms 3 =30 ms 4 =40 ms 5 =50 ms	3
08	**G.729 Voice Activity Detection Mode** **Requires Version 1500 or higher**	0 = Disabled 1 = Enabled	0

Input Data

Item No.	Item	Input Data	Default
09	**G.729 Jitter Buffer (min)** **Requires Version 1500 or higher**	0~500 ms	30
10	**G.729 Jitter Buffer (Type)** **Requires Version 1500 or higher**	0~500 ms	60
11	**G.729 Jitter Buffer (max)** **Requires Version 1500 or higher**	0~500 ms	120
12	**--- Not Used ---**		
13	**--- Not Used ---**		
14	**--- Not Used ---**		
15	**--- Not Used ---**		
16	**--- Not Used ---**		
17	**Jitter Buffer Mode** **Requires Version 1500 or higher**	1 = Static 2 = Adaptive during Silence 3 = Adaptive Immediately	3
18	**VAD Threshold** **Requires Version 1500 or higher**	0~30	20
19	**--- Not Used ---**		
20	**--- Not Used ---**		
21	**--- Not Used ---**		
22	**--- Not Used ---**		
23	**--- Not Used ---**		
24	**--- Not Used ---**		
25	**--- Not Used ---**		
26	**TX Gain** **Requires Version 1500 or higher**	0~28	10
27	**RX Gain** **Requires Version 1500 or higher**	0~28	10

Input Data

Item No.	Item	Input Data	Default
28	**Audio Capability Priority** **Requires Version 1500 or higher**	0 = G711 2 = G729	0
29	**--- Not Used ---**		
30	**--- Not Used ---**		
31	**DTMF Payload Number** **Requires Version 1500 or higher**	96~127	96

Conditions

None

Feature Cross Reference

None

Program 84 : Hardware Setup for VoIP
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	Default
01	**Registrar/Proxy Port** **Requires Version 1500 or higher**	1~65535	5070
02	**Session Timer Value** **Requires Version 1500 or higher**	0~65535	180
03	**Minimum Session Timer Value** **Requires Version 1500 or higher**	0~65535	180
04	**Called Party Info** **Requires Version 1500 or higher**	0 = Request URI 1 = TO Header	0
05	**Expire Value of Invite** **Requires Version 1500 or higher**	0~256	60

Conditions

None

Feature Cross Reference

None

Program 84 : Hardware Setup for VoIP
84-21 : CCIS over IP CODEC

Level:
IN

Description

Use **Program 84-21 : CCIS over IP CODEC** to set the various CCIS over IP CODEC parameters.

Input Data

Item No.	Item	Input Data	Default
01	**G.711 Audio Frame**	1~2	2
02	**G.711 Type**	0 = A-law 1 = u-law	1
03	**G.711 VAD Mode**	0 = Disable 1 = Enable	0
04	**G.711 Jitter Buffer Min**	0~200 ms	20
05	**G711 Jitter Buffer Average**	0~200 ms	40
06	**G.711 Jitter Buffer Max**	0~200 ms	200
07	**G.729 Audio Frame**	1~3	2
08	**G.729 VAD Mode**	0 = Disable 1 = Enable	0
09	**G729 Jitter Buffer Min**	0~500 ms	20
10	**G729 Jitter Buffer Average**	0~500 ms	40
11	**G729 Jitter Buffer Max**	0~500 ms	200
12	**G.723 Audio Frame**	1~2	1
13	**G.723 VAD Mode**	0 = Disable 1 = Enable	0
14	**G.723 Jitter Buffer Min**	0~500 ms	20
15	**G723 Jitter Buffer Average**	0~500 ms	60
16	**G.723 Jitter Buffer Max**	0~500 ms	200

Input Data

Item No.	Item	Input Data	Default
17	**TX Gain**	0~28 = (-14dbm ~ +14dbm) 0 = -14 dbm 1 = -13 dbm : 14 = 0 dbm : 27 = +13 dbm 28 = +14 dbm	10
18	**RX Gain**	0~28 = (-14dbm ~ +14dbm) 0 = -14 dbm 1 = -13 dbm : 14 = 0 dbm : 27 = +13 dbm 28 = +14 dbm	10
19	**1st Priority of Audio Capability**	0 = G711 PT 1 = G723 PT 2 = G729 PT	0
20	**2nd Priority of Audio Capability**	0 = G711 PT 1 = G723 PT 2 = G729 PT	1
21	**DTMF Relay Mode**	0 = VoIP 1 = RFC2833	0
22	**Jitter Buffer Mode**	1 = Static 2 = Immediate	2
23	**VAD Threshold**	0 = -20dbm (-50dbm) 1 = -19dbm (-49dbm) : 20 = 0dbm (-30dbm) : 29 = +9dbm (-21dbm) 30 = +10dbm (-20dbm)	20
24	**Echo Canceller Mode**	0 = Disable 1 = Enable	1
25	**NLP Echo Canceller Mode**	0 = Disable 1 = Enable	1
26	**UDP Checksum Mode**	0 = Disable 1 = Enable	1

Input Data

Item No.	Item	Input Data	Default
17	**TX Gain**	0~28 = (-14dbm ~ +14dbm) 0 = -14 dbm 1 = -13 dbm : 14 = 0 dbm : 27 = +13 dbm 28 = +14 dbm	10
18	**RX Gain**	0~28 = (-14dbm ~ +14dbm) 0 = -14 dbm 1 = -13 dbm : 14 = 0 dbm : 27 = +13 dbm 28 = +14 dbm	10
19	**1st Priority of Audio Capability**	0 = G711 PT 1 = G723 PT 2 = G729 PT	0
20	**2nd Priority of Audio Capability**	0 = G711 PT 1 = G723 PT 2 = G729 PT	1
21	**DTMF Relay Mode**	0 = VoIP 1 = RFC2833	0
22	**Jitter Buffer Mode**	1 = Static 2 = Immediate	2
23	**VAD Threshold**	0 = -20dbm (-50dbm) 1 = -19dbm (-49dbm) : 20 = 0dbm (-30dbm) : 29 = +9dbm (-21dbm) 30 = +10dbm (-20dbm)	20
24	**Echo Canceller Mode**	0 = Disable 1 = Enable	1
25	**NLP Echo Canceller Mode**	0 = Disable 1 = Enable	1
26	**UDP Checksum Mode**	0 = Disable 1 = Enable	1

Conditions
None

Feature Cross Reference

❏   Voice Over Internet Protocol (VoIP)

Program 85 : HUB(8) LAN Setup

85-01 : HUB(8) LAN Setup

Level:
IN

Program

85

Description

Use **Program 85-01 : HUB(8) LAN Setup** to define the LAN setup for each slot.

Input Data

Hub Slot	1~24
Hub Port	0~8

Item No.	Item	Input Data	Default	Description
01	**Auto Negotiation**	0 = Enable 1 = Disable	0	When enabled, Link Speed, Duplex and MDI/MDIX setting are negotiated with the other connected device.
02	**Link Speed**	0 = 10Mbps 1 = 100Mbps	1	85-01-01 - Disable
03	**Half Duplex/Full Duplex**	0 = Half 1 = Full	1	85-01-01 - Disable
04	**Auto MDI/MDIX**	0 = MDIX 1 = MDI 2 = Auto	2	When 85-01-01 is enabled, Auto MDI/MDIX will function. Auto MDI/MDIX (Media Dependent Interface / Media Dependent Interface Cross-over) enables a switch port to sense the appropriate transmit/receive pairs of an Ethernet cable.
05	**Back Pressure, Half-Duplex**	0 = Disable 1 = Enable	0	85-01-01 - Disable, 85-03-01 - Half Duplex When enabled, a switch applies back pressure to a half-duplex ingress port while an output queue is congested.

Item No.	Item	Input Data	Default	Description
06	**Flow Control, Full-Duplex**	0 = Disable 1 = Enable	0	Full Duplex - 802.3x 85-01-01 - Disable 85-03-01 - Full Duplex When enabled, a switch applies flow control to a full-duplex ingress port while an output queue is congested.

Conditions
None

Feature Cross Reference

❑   Voice Over Internet Protocol (VoIP)

Program 85 : HUB(8) LAN Setup

85-02 : HUB(8) VLAN Setup

Level:
IN

Description

Use **Program 85-02 : HUB(8) VLAN Setup** to define the VLAN setup for each HUB(8) ETU. The KSU can support up to 16, 802.1q VLANs (numbered 1 ~ 16). Program Block 85-02 assigns supported VLAN IDs, with a range of 1 ~ 4095.

At default, 802.1q support is disabled. If Program Block 85-02-01 is set to ENABLE, 802.1q VLAN tagging is supported.

85-02-02 through 85-02-09 establish the default VLAN for ports 1 ~ 8 of the HUB(8).

Input Data

Hub Slot	1~24

Item No.	Item	Input Data	Default
01	**VLAN Mode**	0 = Disable 1 = Enable	0
02	**Port 1 VLAN ID**	1~4095	1
03	**Port 2 VLAN ID**	1~4095	1
04	**Port 3 VLAN ID**	1~4095	1
05	**Port 4 VLAN ID**	1~4095	1
06	**Port 5 VLAN ID**	1~4095	1
07	**Port 6 VLAN ID**	1~4095	1
08	**Port 7 VLAN ID**	1~4095	1
09	**Port 8 VLAN ID**	1~4095	1

Conditions
None

Feature Cross Reference

❑   Voice Over Internet Protocol (VoIP)

Program 85 : HUB(8) LAN Setup

85-03 : Priority Setup

Level:

IN

Description

Use **Program 85-03 : Priority Setup** to establish the queuing prioritization rules for the low and high priority queues. Each port has a low and a high priority queue for both ingress and an egress. These queues serve to buffer packets during times of heavy network traffic. The HUB(8) supports 802.1q/p layer 2 Quality of Service.

Input Data

Hub Slot	1~24
Hub Port	0~8

Item No.	Item	Input Data	Default	Description
01	**Default Priority**	0 = Disable 2 = Low 3 = High	0	Assigns untagged frames to either the Low or the High queue, and tags them with a priority assigned in Program 85-03-03 (High) or Program 85-03-04 (Low).
02	**RX High**	0~7	1	RX High establishes the minimum threshold for frames designated for the high priority queues.
03	**TX High**	0~7	7	When Program 85-03-01 is set to "High", untagged frames are marked with this priority setting. Previously tagged frames are unchanged.

Item No.	Item	Input Data	Default	Description
04	**TX Low**	0~7	0	When Program 85-03-01 is set to "Low", untagged frames are marked with this priority setting. Previously tagged frames are unchanged.

Conditions
None

Feature Cross Reference

❑   Voice Over Internet Protocol (VoIP)

Program 85 : HUB(8) LAN Setup

85-04 : Port Mirroring Setup

Level:
IN

Description

Use **Program 85-04 : Port Mirroring Setup** to define the port mirroring for each HUB(8) ETU. This permits traffic from one port to be simultaneously transmitted to a second port. Port mirroring is typically used for debugging with a protocol analyzer.

Input Data

Hub Slot	1~24

Item No.	Item	Input Data	Default	Description
01	**Port Mirroring**	0 = Disable 1 = Enable	0	
02	**Source Port**	1~8	1	Set to the port to be monitored.
03	**Target Port**	1~8	1	Set to the port where the protocol analyzer is connected.

Conditions

❍ Set to the port where the protocol analyzer is connected.

Feature Cross Reference

❏ Voice Over Internet Protocol (VoIP)

Program 85 : HUB(8) LAN Setup
85-05 : HUB(8) VLAN Group Settings

Level:

IN

Description

Use **Program 85-05 : HUB(8) VLAN Group Settings** to define the VLAN group setup for each HUB(8) ETU.

Input Data

Slot	1~24
VLAN Group	00~15

Item No.	Item	Input Data	Default	Description
01	**VLAN ID**	0~4095	0	802.1q VLAN ID
02	**Port**	00000000~11111111	00000000	Represents the eight physical ports of the HUB(8), numbered from left to right as 8 to 1. Setting a port to 1 enables the port to allow traffic from the VLAN ID specified in Program 85-05-01.
03	**Tag Egress Retention**	00000000~11111111	00000000	Represents the eight physical ports of the HUB(8), numbered from left to right as 8 to 1. At the point of egress, should VLAN tags be retained or removed? (Many Ethernet devices do not process VLAN tagged packets.) Setting a port to 1 permits VLAN tags to be retained.

Conditions
None

Feature Cross Reference

❑   Voice Over Internet Protocol (VoIP)

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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 system.

Input Data

Item No.	Item	Input Data	Default
01	**Year**	00~99	0 (No Setting)
02	**Month**	01~12	0 (No Setting)
03	**Day**	01~31	0 (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.)

CAUTION

Before changing your numbering plan, use the PC Programming or WebPro Programming to make a backup copy of your system data.

Input Data

User Number	1~8

Item No.	Item	Input Data
01	**User Name**	Maximum 10 characters
02	**Password**	Up to 8 digits
03	**User Level**	0 = Prohibited User 1 = MF (Manufacturer Level) 2 = IN (Installer Level) 3 = SA (System Administrator Level 1) 4 = SB (System Administrator Level 2)

Default

User No.	User Name	Password	Level	Level Description
1	**necii**	47544	1 (MF)	Manufacturer Level - Access to all system programs.
2	**tech**	12345678	2 (IN)	Installer Level - Access to all programs 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	**--- Not Used ---**			
6	**--- Not Used ---**			
7	**--- Not Used ---**			
8	**--- Not Used ---**			

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

Description

(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 SRAM and Flash ROM to the 16M/32M ATA removable Compact Flash memory card. This program should be used after changing the programmed data.

Input Data

Item No.	Item	Input Data
01	Save Data	Dial **1** + press **Hold** (Press **Hold** to cancel.)

Conditions

When reloading a customer database, the system must be reset (either using Program 90-08 or power down/power up) before all uploaded programming takes affect.

Feature Cross Reference

None

Program 90 : Maintenance Program

90-04 : Load Data

**Level:
SA**

Description

(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 Compact Flash Memory to the SRAM and Flash ROM in the system.

Input Data

Item No.	Item	Input Data
01	**Load Data**	Dial **1**+ press **Hold** (Press **Hold** to cancel.)

Conditions

❍ After uploading the programming, reset the system and wait a few minutes for the system to reset completely before accessing any line or special system feature. Otherwise, some unusual LED indications may be experienced.

Feature Cross Reference

None

Program 90 : Maintenance Program

90-05 : Slot Control

**Level:
IN**

Description

(This program is available only via telephone programming and not through PC Programming).

Use **Program 90-05 : Slot Control** to reset or delete (uninstall) circuit boards (slots 1~24).

Delete allows you to completely uninstall the ETU. You should do this if you want to remove an ETU and plug it in a different slot - and still retain the port assignments. If a different type of interface ETU is being installed in a slot previously used (e.g., changing from a SLI to an ESI ETU), the slot should be deleted (option 1) first before installing the new interface ETU.

Reset allows you to send a reset code.

Enhancements:

❏   V1.10 or higher is required to support the PVA(X)-U10 as CCISoverIP (16 or 24) port configuration.

Input Data

Menu Number	1 = Delete 2 = Reset

Item No.	Item	Input Data
01	**Slot Control**	Slot Number (1~24)

Conditions

❍ When you delete or reset a ETU, you must first remove it from its slot then run Program 90-05. When reusing the slot for another ETU, you must plug the ETU in or reset the system before the system can use the slot again.

❍ When you delete or reset an ETU, all related programming in PRG 10-03-01 is set back to default.

Feature Cross Reference

None

Program 90 : Maintenance Program

90-06 : Trunk Control

Level:
SA

Description

(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 an ETU from placing outgoing calls (just like placing the ETU switch down). Once busied out, none of the ports on the ETU can be used for new calls. Existing calls, however, are not torn down.

Input Data

Menu Number	0 = Set Busy Out 1 = Reset/Release Busy Out (idle)

Item No.	Item	Input Data
01	**Trunk Control**	Trunk Port Number: 001~200

Conditions
None

Feature Cross Reference

None

Program 90 : Maintenance Program

90-07 : Extension Control

Level:
SA

Description

(This program is available only via telephone programming and not through PC Programming).

Use **Program 90-07 : Extension Control** for extension maintenance.

Input Data

Menu Number	1 = Hardware Reset 2 = Software Reset

Item No.	Item	Input Data
01	**Extension Control**	Extension Number (up to 8 digits)

Conditions
None

Feature Cross Reference

None

Program 90 : Maintenance Program

90-08 : System Reset

Level:
IN

Description

(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
01	**System Reset**	Dial **1** + press **Hold** (Press **Hold** key to cancel)

Conditions

❍ After restoring a customer database, the system must be reset using Program 90-08 or by powering down/powering up before all the restored programming takes affect.

Feature Cross Reference

None

Program 90 : Maintenance Program

90-09 : Automatic System Reset Time

Level:
IN

Description

Use **Program 90-09 : Automatic System Reset Time** to define the time for the system to automatically reset.

Input Data

Item No.	Item	Input Data	Default
01	**Month**	00~12 *(Note 1)*	0
02	**Day**	00~31 *(Note 2)*	0
03	**Hour**	00~23	0
04	**Minute**	00~59	0

Note 1   *If the Month is set to 00 and Day is set, the system is automatically reset every month on the predefined day.*

Note 2   *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.*

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 is displayed to a multiline terminal and 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)

Default

Alarm	Type	Report	Note	Is Used To Advise of . . .	Action
1	**2 (Minor)**	0	Not Used		
2	**2 (MIN)**	0	PKG Remove and Insert Detection	PKG is removed or inserted.	Remove and reinstall the ETU. If RECover message is received in the alarm report, the ETU is good. If not, replace with a new ETU.
3	**2 (MIN)**	0	Board Installation Error	ETU was unplugged without using the proper procedure.	Check the ETU installation.
4	**2 (MIN)**	0	Not Used		
5	**0**	0	Not Used		

Alarm	Type	Report	Note	Is Used To Advise of . . .	Action
6	**0**	0	Blocking	Failure may have occurred because: Terminal blocking detected. Terminal is unplugged. Wire is disconnected.	Check the terminal wiring and reconnect properly. Then unplug and plug in the PCB. If RECover message is received in the alarm report, it is correct. If not, replace the PCB and/or terminal
7	**1 (Major)**	0	Not Used		
8	**1 (MAJ)**	0	RAM Backup Battery Error	RAM backup battery on the CPU ETU is unplugged or defective.	Check the battery connector. If it is connected correctly, replace the battery.
9	**0**	0	Not Used		
10	**0**	0	ISDN Link Error	ISDN Link Error is detected	
11	**0**	0	CTI Link Error	Connection failure is detected between CPU and CTI Server.	
12	**0**	0	ACD MIS Link Error	Connection failure is detected between CPU and ACD-MIS Server.	
13	**0**	0	Not Used		
14	**0**	0	CPU-LAN Link Error	CPU-LAN Connection failure is detected.	
15	**0**	0	Not Used		
16	**2 (MIN)**	0	SMDR Link	Connection failure has been detected between CPU and SMDR Printer device.	
:	:	:	:		
30	**2 (MIN)**	0	SMDR Buffer Full	The SMDR buffer is full.	Check the SMDR printer.
31	**0**	0	Not Used		
:	:	:			
35	**0**	0	Not Used		
36	**0**	0	Not Used		
37	**0**	0	Not Used		
38	**0**	0	Not Used		

Alarm	Type	Report	Note	Is Used To Advise of . . .	Action
39	**0**	0	Not Used		
40	**0**	0	Not Used		
41	**0**	0	Not Used		
:	:	:			
50	**0**	0	System Startup Notification	System Reset is performed.	
51	**0**	0	System Data change	CPUII Upgrade is performed or Programming change has been made.	
52	**0**	0	Not Used		
53	**0**	0	Not Used		
:	:	:			
60	**0**	0	SIP Registration Error Notification		
61	**0**	0	Not Used		
62	**0**	0	Not Used		
:	:	:			
100	**0**	0	Not Used		

Conditions
None

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	Default
01	**System Alarm Display Telephone** Assign the display multiline extension number that should receive system alarms.	Extension Number (Up to 8 digits)	No Setting
02	**Report Method** When alarm reports are to be EMailed, set this option to 1.	0 = No Report 1 = EMail Address	0
03	**--- Not Used ---**		
04	**--- Not Used ---**		
05	**--- Not Used ---**		
06	**SMTP Host Name** When alarm reports are to be EMailed, set the SMTP name (ex: smtp.yourisp.com). Contact your ISP (internet service provider) for the correct entry if needed.	Up to 255 Characters	No Setting
07	**SMTP Host Port Number** When alarm reports are to be EMailed, set the SMTP host port number. Contact your ISP (internet service provider) for the correct entry if needed.	0~65535	25
08	**To EMail Address** When alarm reports are to be EMailed, set this EMail address to which the report should be sent.	Up to 255 Characters	No Setting
09	**Reply Address** When alarm reports are to be EMailed, set the EMail address where replies should be EMailed.	Up to 255 Characters	No Setting
10	**From Address** When alarm reports are to be EMailed, set this EMail address for the station sending the report.	Up to 255 Characters	No Setting

Input Data

Item No.	Item	Input Data	Default
11	**DNS Primary Address** When alarm reports are to be EMailed, set the DNS primary address.	0.0.0.0-255.255.255.255	0.0.0.0
12	**DNS Secondary Address** When alarm reports are to be EMailed, set the DNS secondary address.	0.0.0.0-255.255.255.255	0.0.0.0
13	**Customer Name** When alarm reports are to be EMailed, enter a name to identify the particular system.	Up to 255 Characters	No Setting

Conditions

None

Feature Cross Reference

None

Program 90 : Maintenance Program
90-12 : System Alarm Output

Level:
IN

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	Default
01	**Output Port Type** Indicate the type of connection used for the System Alarms. The baud rate for the COM port should be set in Program 10-21-02.	0 = No Setting 1 = COM port (CPUII) 2 = USB port (CPUII) 3 = -- Reserve -- 4 = CTA/CTU	0
02	**Destination Extension Number** If the output port type (item 1) is set to CTA, enter the extension number with the CTA connection.	Extension Number (Up to 8 digits)	No Setting
03	**Output All Alarm Reports**	Print All? (Yes = 1)	-
04	**Printout New Alarm Reports**	Print New? (Yes = 1)	-
05	**Clear All Alarm Reports**	All Clear? (Yes = 1)	-
06	**Output Mode**	0 = Manual 1 = Auto	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. The baud rate for the COM port should be set in Program 10-21-02.

Input Data

Item No.	Item	Input Data	Default
01	**Output Port Type** Indicate the type of connection used to print the system information.	0 = No Setting 1 = COM port (CPUII) 2 = USB port (CPUII) 3 = LAN Port (CPUII) 4 = CTA/CTU	0
02	**Destination Extension Number** If the output port type (item 1) is set to CTA, enter the extension number with the CTA connection.	Extension Number (Up to 8 digits)	No Setting
03	**Output Command** Dialing 1 from this program sends the system report to the connected device.	Dial **1** + press **Hold** (Press **Hold** key to cancel.)	-

Conditions
None

Feature Cross Reference

None

Program 90 : Maintenance Program

90-16 : Main Software Information

Level:
IN

Description

Use **Program 90-16 : Main Software Information** to display the main software information on the CPUII. Main software information can also be viewed outside of system programming by pressing **Feature** and the **3** key on any multiline terminal.

Input Data

Item No.	Item	Data	Component
01	**Version Number**	01.00~99.99	ASCII Code (5 Byte)
02	**Software Release Date**	May 22 2002 17:53:46	ASCII Code (20 Byte)

Conditions
None

Feature Cross Reference

None

Program 90 : Maintenance Program

90-19 : Dial Block Release

Level:
SA

Description

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 8 digits

Item No.	Item	Input Data
01	**Dial Block Release**	[Release?] : Dial **1**+ press **Hold** (Press **Hold** to cancel.)

Conditions
None

Feature Cross Reference

❑   Code 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
02	**--- Not Used ---**		
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
05	**Dial Tone Detector Busy Output**		0
06	**Caller ID Receiver Busy Output**		0
07	**Voice Mail Channel All Busy Output**		0
08	**ACD Operator All Busy Output**		0
09	**Attendant Channel All Busy Output**		0
10	**Base Station All Busy Output**		0

Conditions
None

Feature Cross Reference

❑   Traffic Reports

Program 90 : Maintenance Program

90-21 : Traffic Report Output

Level:
IN

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 1 = COM port (CPUII) 2 = USB port (CPUII) 3 = LAN Port (CPUII)	0

Conditions
None

Feature Cross Reference

❑   Traffic Reports

Program 90 : Maintenance Program

90-22 : Terminal Version information

Level:
IN

Description

Use **Program 90-22 : Terminal Version Information**

Input Data

Item No.	Item	Input Data	Default
01	**Hardware Version** **Requires Version 1500 or higher**	00~FF	00
02	**Firmware Version** **Requires Version 1500 or higher**	00.00~FF.FF	00.00

Conditions
None

Feature Cross Reference

❑   None

Program 90 : Maintenance Program
90-23 : Deleting Registration of IP Telephones

**Level:
IN**

Description

(This program is available only via telephone programming and 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 8 digits

Item No.	Item	Input Data
01	**Delete IP Telephone**	[Delete?] : Dial **1** + press **Hold** (Press **Hold** to cancel.)

Conditions
None

Feature Cross Reference

❑   Voice Over Internet Protocol (VoIP)

Program 90 : Maintenance Program
90-24 : System Alarm Report Notification Time Setup

Level:
IN

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 (00=Disabled)	0
02	Day	00~31	0
03	Hour	00~23	0
04	Minute	00~59	0

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

Item No.	Item	Input Data	Default
01	**CC Mail Address**	Up to 255 Characters	No Setting

Conditions
None

Feature Cross Reference

None

Program 90 : Maintenance Program

90-26 : Program Access Level Setup

Level:
IN

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	1001~9201

Item No.	Item	Input Data	Default
01	**Maintenance Level**	1 = MF Level 2 = IN Level 3 = SA 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
90-27 : Wireless – DECT System ID

Level:
IN

Description

(This program is available only via telephone programming and not through PC Programming).

Use **Program 90-27 : Wireless – DECT System ID** to delete the ID number associated with the BSUs. The system ID is a unique number embedded in the BSUs. This program cannot be edited, but it can be viewed or deleted. After deleting the ID, the Wireless – DECT BSUs are reset by the system. When BSUs are exchanged, the system ID for the first BSU must be deleted before installing the new BSU because each BSU has its own unique number.

Conditions
None

Feature Cross Reference

❑   Wireless – DECT

Program 90 : Maintenance Program

90-31 : DIM Access over Ethernet

Level:
IN

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.

Item No.	Item	Input Data	Default
01	**Access Enabling**	0 = Disable 1 = Enable	0 (Disable)
02	**Username**	20 characters (alphanumeric)	ASPIRE
03	**Password**	20 characters (alphanumeric)	12345678

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 ETUs installed in the system.

Input Data

Slot No.	1~24

Item No.	Item	Display Data
01	**Pkg Name**	Pkg Name
02	**Firmware Version Number**	00.00-0F-FF

Conditions
None

Feature Cross Reference

None

Program 90 : Maintenance Program
90-35 : Wizard Programming Level Setup

Level:
IN

Description

(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.

Item No.	Item	Display Data	Default
01	**Maintenance Level**	0 = All 1 = SB (System Administrator B) 2 = SA (System Administrator A) 3 = IN (Installer) 4 = MF (Manufacturer) 5 = DEV (Developer)	0

Conditions
None

Feature Cross Reference

None

Program 90 : Maintenance Program
90-36 : Firmware Update Time Setting

**Level:
IN**

Description

(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 for the WebPro/PC Programming FW update feature. A compact flash card must be inserted in the CPUII for this feature.

The following firmware is available to update with this feature:

❏   main.bin

❏   Dspdbu.bin

❏   dsp.bin

❏   intradbu.bin

Item No.	Item	Input Data	Default	Description
01	**Firmware Update Schedule Time**	Year: 0~99	0	This Program sets 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 (Non Active)	This Program activates 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.

Item No.	Item	Input Data	Default	Description
03	**Update Report**	256 characters max.	No Setting	This Program outputs 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 Sample Report shown.

Sample Report

Result	Report Display
Update Success	**Update is successful with the Update Time.**
Update Fail	**Update failed. Drive A (Compact Flash) was not available.**
Update Fail	**Update failed. The file, main.u, does not exist on drive A.**
Update Fail	**Update failed. The scheduled time has expired.**

Conditions
None

Feature Cross Reference

None

Program 90 : Maintenance Program

90-37 : Temporary License

**Level:
IN**

Description

(This program is only available from multiline terminal programming.)

Use **Program 90-37 : Temporary License** to temporarily license all features of the Elite IPK II.

Item No.	Item	Input Data	Default	Description
01	Number of Days	1~10	1	Set the number of days for temporary license.

Conditions

❍ When activated, the system will be temporarily licensed for ACD, CTI, Firmware Upgrade, Hotel, 256 Megaco stations, and SMDR.

❍ Each time the temporary license is activated, the program is read only until the temporary license expires.

❍ Each time the temporary license expires, it can be set again for up to 10 more days.

❍ After setting a number of days in the PRG, subsequent days will show one less as it counts down to expiration.

❍ When PRG 90-37-01 shows 1, the license will expire at midnight on that day. When the license expires, the system will reset.

❍ If the date is changed in PRG 10-01-01 while the temporary license is in effect, one day will be subtracted from the license period.

❍ If the date is changed in PRG 10-01-01 when the temporary license shows 1 day, the system will reset when it is applied (transfer key), not when exiting programming mode.

Default Settings
Disabled

Feature Cross Reference

❑   Programming from Multiline Terminal

Program 90 : Maintenance Program
90-38 : WebPro HTTP Port

Level:
IN

Description

(This program is available only via WebPro Programming).

Use **Program 90-38 : WebPro HTTP Port** to define the HTTP to be used by WebPro. The switch must be reset for changes to take effect.

Item No.	Item	Input Data	Default	Description
01	HTTP Port	0~65535	80	Assign the HTTP Port to be used by WebPro.

Conditions
Switch reset is required for changes to take effect.

Feature Cross Reference

None

Program 91 : IPK II Wireless DECT Handset Entry

91-06 : Wireless – DECT Subscription, NEW

Level:
SA

Description

(This program is available only via telephone programming and not through PC Programming).

Program 91-06 : Wireless– DECT Subscription, NEW is used to register an Electra Elite IPK II Wireless – DECT phone to the system. You can select the port number where the new phone is subscribed, or you can enter 0 to have the system automatically assign an available port. This program is also used to enter the IPEI number assigned to the phone. Possible error messages displayed in this program are detailed below.

Refer to Phone Subscribing in the Electra Elite IPK II Wireless – DECT Manual for complete details on subscribing a telephone.

| Prompt	Meaning
Rejected	The subscription procedure was rejected.
Canceled	You stopped the subscription procedure before it completed by pressing **Transfer.**
Canceled by Timer	The subscription procedure took longer than 10 minutes.
DECT has Not Worked	The BSUs are not working.
Already Subscribed	The port chosen is in use by another terminal.
No Port to Subscribe	There are no available ports.
Used by Port xxx	The Electra Elite IPK II Wireless – DECT telephone which has the IPEI you entered is subscribed to another port.

Conditions
None

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Feature Cross Reference

❑   Electra Elite IPK II Wireless DECT

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Telephone Programming Instructions

To enter data for Program 91-06:

1.   Enter the programming mode.

2.   91 06

> **91-06-01**
> **Port(0:Auto)?**
> **back   ↑   ↓   select**
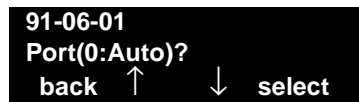
3.   To have the system automatically assign a port number to the telephone, press **0** then **Transfer**. This assigns an available port in the range of 256~512. To manually select a port number, enter an available port number (002~512) then press **Transfer**.

> ✎   *The display shows **IPEI?**. The IPEI (International Portable Equipment Identity) is a unique number embedded in each Electra Elite IPK II Wireless – DECT phone.*

4.   Enter the IPEI number for the Electra Elite IPK II Wireless – DECT telephone or enter ✱ as a wild character and the system automatically retrieves the number for the phone being set up. Press **Transfer**. When the display shows Ready?(1:Yes), press **1** then **Transfer**.

> ✎   *The IPEI number is the 13-digit serial number located on the label in the telephone battery compartment.*

5.   The display shows the port number assigned to the telephone and the 4-digit AC (Authentication Code) number. *DO NOT PRESS Transfer* at this point or the subscription is cancelled.

6.   Using the Electra Elite IPK II Wireless – DECT telephone to be registered, press the Menu key then press the left arrow key twice to display the **Login** option. Press **OK**.

7.   Press the Right Arrow key once to display the **Subscription Create** option. Press **OK**.

8.   The Wireless phone searches for the BSU(4M) base station and displays the Access Code when found.

> ✎   *This may take a few seconds. If the Access Code is not displayed, check Program 90-27-01 to make sure the BSU is recognized.*

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9.   Press **OK**.

10. Enter the 4-digit AC number displayed in Step 4 (Program 91-06-01) and press **OK**.

11. After the telephone is registered, a beep sounds and ((.)) is displayed in the lower left corner. Program 91-06-01 shows COMPLETED. Press **Transfer** and register another telephone if required or continue with the next step.

12. Exit program mode.

Program 91 : IPK II Wireless DECT Handset Entry
91-07 : Wireless – DECT Subscription, Delete

Level:
SA

Description

(This program is available only via telephone programming and not through PC Programming).

Use **Program 91-07 : Wireless DECT Subscription, Delete** to remove an Electra Elite IPK II Wireless – DECT phone from the system.

✎   *Prior to deleting an Electra Elite IPK II Wireless – DECT phone from the system, make sure the BSU(4M) ETU is installed in the system. If the BSU(4M) is removed before Program 91-07-01 is run, the system retains the DECT setting and prevents the Electra Elite IPK II Wireless – DECT telephone from being registered in the system again.*

Input Data

Item No.	Item	Input Data	Default
01	**Wireless Subscription, Delete** Delete one or all Wireless phones on the system. You can delete an individual phone by entering its port number or you can remove all the Wireless phones by entering 0.	Port Number or 0 to remove all Electra Elite IPK II Wireless – DECT telephones.	-

Conditions
None

Feature Cross Reference

❏   Electra Elite IPK II Wireless – DECT

Program 92 : Copy Program
92-01 : Copy Program

Level:
IN

Program

92

Description

(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.	❍ In case of Trunk Base : Trunk Port Number 1~200 ❍ In case of Trunk Group Base : Trunk Group Number 1~100 ❍ In case of Extension Base : Extension Number (up to 8 digits) ❍ In case of Department Group Base : Department Group Number 1~64 ❍ In case of DSS : DSS Console Number 1~32
	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 only being copied to one extension, trunk, group or other number, enter the information entered in the Destination Number (From) entry.	

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**	
21-03	**Trunk Group Routing for Trunks**	
21-12	**ISDN Calling Party Number Setup for Trunk**	
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**	

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**	
15-04	**PHS Terminal Basic Data Setup**	Copy Item 11, 12, and 13.
15-06	**Trunk Access Map for Extension**	
15-07	**Programmable Function Key**	
15-08	**Incoming Virtual Extension Ring Tone Setup**	

Program No.	Program Name	Note
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**	
15-18	**Virtual Extension Key Enhancement Options**	
20-06	**Class of Service 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	**Ringing Line Preference**	
23-04	**Ringing Line Preference for Virtual Extensions**	
24-03	**Park Group Assignment**	
31-02	**Internal Paging Group Assignment**	

Department Group 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 number 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

(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. However, the extension number of the first port is not deleted.

Input Data

Extension No. Delete Yes: 1	[Dial 1]+**Hold** key (Only press **Hold** key is canceled)

Conditions
None

Feature Cross Reference

None

Program 92 : Copy Program
92-03 : Copy Program by Port Number

Level:
IN

Description

(This program is available only via telephone programming and not through PC Programming).

Use **Program 92-03 : Copy Program by Port Number** to delete all extension numbers. However, the extension number of the first port is not deleted.

Item No.	Item	Input Data
01	**Source Number**	Enter the port number from which the data is to be copied.
02	**Destination Number (From)**	Enter the first port number to which the information is to be copied.
03	**Destination Number (To)**	Enter the last port number to which the information is to be copied. If the information is only to be copied to one port, enter the information entered in the Destination Number (From) entry.

Conditions
None

Feature Cross Reference

None

Program 92 : Copy Program
92-04 : Extension Data Swap

Level:
IN

Description

(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.

Item No.	Item	Input Data
01	**1st Extension Number**	Up to 8 characters.
02	**2nd Extension Number**	

Conditions
None

Feature Cross Reference

None

Program 92 : Copy Program
92-05 : Extension Data Swap Password

Level:
IN

Description

Use **Program 92-04 : Extension Data Swap Password** to define the 4-digit password for each extension to allow Extension Data Swap.

Item No.	Item	Input Data
01	**Password**	Fixed 4-Digits (No setting at default)

Conditions
None

Feature Cross Reference

None

NEC

Electra Elite IPK II

PROGRAMMING MANUAL

NEC Unified Solutions, Inc.

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