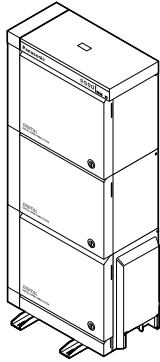


Panasonic



Digital Super Hybrid System Programming Guide

Model No. **KX-TD500**



Please read this manual before connecting the Digital Super Hybrid System and save this manual for future reference.

Thank you for purchasing the Panasonic Model KX-TD500, Digital Super Hybrid System.

Introduction

This Programming Guide is designed to serve as a technical reference for the Panasonic Digital Super Hybrid System, KX-TD500. It provides step-by-step instructions for performing system programming using the Maintenance Console software for a PC.

About the Other Manuals

Along with this Programming Guide, the following manuals are available:

Features Guide

Describes every basic, optional and programmable features of the KX-TD500 System in alphabetical order.

User Manual

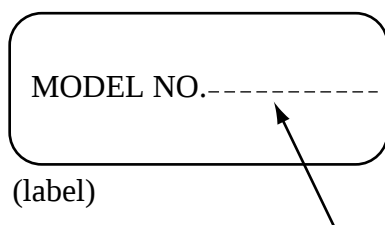
Provides operating instructions for the end users using Proprietary Telephones (PTs), Single Line Telephones (SLTs) or DSS consoles.

Installation Manual

Describes information necessary for installing the hardware and system maintenance.

Notice

- This manual does not show the complete model number that indicates the country/area where your models should be used. The model number of your unit is found on the label affixed to the unit.



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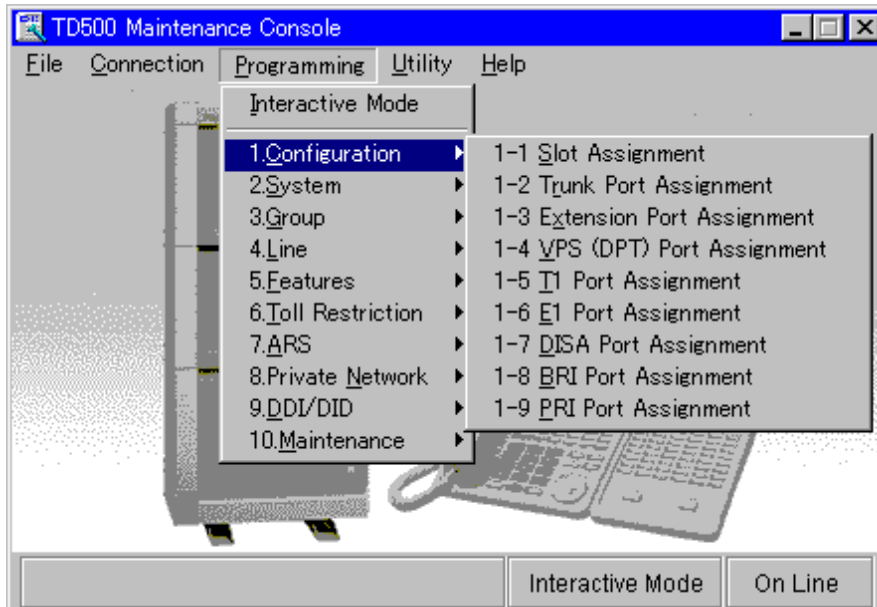
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Section 1

Configuration

1.1 Configuration

Used to determine the basic system configuration.



1.2 Slot Assignment

Assigns the type of service cards, inserted in the free slots in the basic and expansion shelves.

Note

- The DPH/DPHG card is not available in some countries/areas.

Basic Shelf			Expansion Shelf 1		Expansion Shelf 2	
Slot No.	Card Type	Status	Card Type	Status	Card Type	Status
1	BRI	INS	1		1	
2			2		2	
3	ELCOT	INS	3		3	
4	ESLC	OUS	4		4	
5			5		5	
6	DHLC	INS	6		6	
7			7		7	
8	DLC	INS	8		8	
9	E1	INS	9		9	
10			10		10	
11	DISA	INS	11		11	
12	DPH	INS	12		12	
13	CPU		13		13	
14	TSW		14		14	

1-1 Slot Assignment

Close Help

<i>Parameter</i>	<i>Card Type</i>
<i>Default</i>	Blank
<i>Value Range</i>	Please refer to "Description/Function."
<i>Description/Function</i>	Specifies the type of service cards inserted in the free slots in the basic and expansion shelves. <Selection> None: Not assigned. AGC: Automatic Gain Control card BRI: ISDN Basic Rate Access Interface card DHLC: Digital Hybrid Line Circuit card DID: Direct Inward Dialling Trunk card DID-2W: Both-way Direct Inward Dialling Trunk card DID-MFC: Direct Inward Dialling Trunk with MFC card DISA: Direct Inward System Access card DLC: Digital Proprietary Line Circuit card DPH: Doorphone Circuit card DPHG: Doorphone Circuit card E1: E1 Digital Trunk card E&M: E&M card (TIE Line card) ELCOT: Enhanced Loop Start Central Office Trunk card ERMT: Enhanced Remote Circuit card ESLC: Enlarged Single Line Telephone Circuit with Message Waiting card GCOT: Ground Start Central Office Trunk card HLC: Hybrid Line Circuit card LCOT: Loop Start Central Office Trunk card OPX: Off Premise Extension card PCOT: Loop Start Central Office Trunk with Pay Tone Detection card PLC: Proprietary Line Circuit card PRI30: ISDN Primary Rate Access Interface card PRI23: ISDN Primary Rate Access Interface card RCOT: Loop Start Central Office Trunk with Polarity Reversal Detection card RMT: Remote Circuit card SLC: Single Line Telephone Circuit card SLC-M: Single Line Telephone Circuit with Message Waiting card T1: T1 Digital Trunk card

<i>Parameter</i>	Card Type
<i>Description/Function</i>	Notes - To change the current Card Type to a new one, delete the current setting first by selecting "None" and then assign a new Card Type. - CPU - Slot No.13 of the Basic Shelf is fixed to CPU (Central Processing Unit) card. - TSW- Slot No.14 of the Basic Shelf is fixed to TSW (T-Switch) card. Card Properties "Card Properties" screen lists and lets you customise the operating characteristics associated with the following optional cards. Extension Cards: DHLC, DLC, ESLC, HLC, OPX, SLC, SLC-M Trunk Cards: BRI, DID, DID-2W, DID-MFC, E1, E&M, ELCOT, GCOT, LCOT, PCOT, PRI30, PRI23, RCOT, T1 Resource Cards: DISA, ERMT Editing Card Properties Parameters You can edit Card Properties parameters according to your needs. To go to "Card Properties" screen, click [Card Type] button of the target card on this screen. Then click [Properties] button. Help file You can get detailed information on Card Properties parameters by opening "Help" menu on the Menu bar. - There are the following two types of PRI cards, PRI23 and PRI30. Please choose either one appropriate to your ISDN carrier. Specifications of PRI23 and PRI30 cards are described in Section "1.6 Specifications" in the Installation Manual.
<i>Reference</i>	1.4 Service Cards Description (I/M)

<i>Parameter</i>	<i>Status</i>
<i>Default</i>	—
<i>Value Range</i>	1. INS 2. OUS 3. FAULT
<i>Description/Function</i>	Used to set the status of the service cards. 1. INS (In-Service): The target service card is operating normally. 2. OUS (Out-of-Service): Programming data for the target service card is entered, but the target service card is not assigned to the system. 3. FAULT: The target service card is defective (hardware). In this case, the LED indicator on the service card is lit.
<i>Reference</i>	None

1.3 Trunk Port Assignment

Used to assign each trunk port in the system to one of up to 48 trunk groups.

1-2 Trunk Port Assignment

Card No. 103:ELCOT

Port No.	Group No.	Status
1	1	INS
2	1	INS
3	1	INS
4	1	INS
5	1	INS
6	1	INS
7	1	INS
8	1	INS
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		

1-2 Trunk Port Assignment

OK Apply Cancel Help

Parameter	Card No.
Default	—
Value Range	XXX : YYY [XXX : Card No. (101-314), YYY : Card Type]
Description/Function	Specifies the physical number of the trunk card and its type, which you are going to programme.
Reference	1.2 Slot Assignment (P/G)

Parameter	Group No.
Default	DID/DID-2W/DID-MFC card: 47, E&M card: 48, Others : 1
Value Range	1 - 48
Description/Function	Specifies the trunk group (1-48) to which the trunk port is assigned.

Note

- Each trunk port must be assigned to a Trunk Group. This programme defines the Trunk Group assignment for each trunk port.

Reference	1.3 System Features (F/G) - Trunk Group 3.2 Trunk Group (P/G)
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<i>Parameter</i>	Status
<i>Default</i>	—
<i>Value Range</i>	1. INS 2. OUS 3. FAULT
<i>Description/Function</i>	Specifies the operating status of the trunk port. 1. INS: The trunk port is In-Service. 2. OUS: The trunk port is Out-of-Service. 3. FAULT: The trunk port is defective.
<i>Reference</i>	None

1.4 Extension Port Assignment

Used to set various parameters for extension ports.

XDP extensions are on ports 9 through 16 of a DHLC card.

Port No.	Attribute	Tel. Type	DN	Group No.	Parallel/XDP	Status
1	TEL	T7431	1001	128	Parallel	INS
2	TEL	T7235	1002	1	Parallel	INS
3	TEL	Unknown	1003	1	Parallel	INS
4	TEL	Unknown	1004	1	Parallel	INS
5	TEL	Unknown	1005	1	Parallel	INS
6	TEL	Unknown	1006	1	Parallel	INS
7	TEL	Unknown	1007	1	Parallel	INS
8	TEL	Unknown	1008	128	Parallel	INS

<i>Parameter</i>	<i>Card No.</i>
<i>Default</i>	—
<i>Value Range</i>	XXX : YYY [XXX : Card No. (101-314), YYY : Card Type]
<i>Description/Function</i>	Specifies the physical number of the extension card and its type, which you are going to programme.
<i>Reference</i>	1.2 Slot Assignment (P/G)

<i>Parameter</i>	<i>Attribute</i>
<i>Default</i>	TEL
<i>Value Range</i>	1. TEL 2. DSS 3. VPS (DPT) 4. PC Console
<i>Description/Function</i>	Specifies the attribute of the terminal which is to be connected to the extension port. 1. <i>TEL</i> Select this option when you connect a telephone set to the extension port. 2. <i>DSS</i> Select this option when you connect a DSS console to the extension port. 3. <i>VPS (DPT)</i> Select this option when a port of Panasonic Voice Processing System (one that supports DPT Integration) is connected to the extension port. 4. <i>PC Console</i> Select this option when you connect a PC Console to the extension port. A PC Console can be connected to a DHLC card (port 1 only) or a DLC card (port 1 and 9 only). Notes • "DPT integration (except TVP300)" does not function unless the VPS is connected to a DLC or DHLC card whose LPR Version (ROM Version) is 1 or later. • A PC Console and "DPT integration (TVP300 only)" do not function unless it is connected to a DLC or DHLC card whose LPR Version (ROM Version) is 2 or later. • You can confirm the LPR Version (ROM Version) of the DLC and the DHLC card in "Card Properties" screen for each card. For information on "Card Properties" screen, please refer to "Card Type" in Section "1.2 Slot Assignment." • There is a limit of 8 VPS (DPT) ports per card. • There is a limit of 16 VPS (DPT) ports per shelf.
<i>Reference</i>	• 1.5 VPS (DPT) Port Assignment (P/G) • 4.3 Extension Line (P/G) • 4.4 DSS Console (P/G) • 4.8 PC Console Line (P/G)

<i>Parameter</i>	<i>Tel. Type</i>
<i>Default</i>	(Display only)
<i>Value Range</i>	Please refer to "Description / Function."
<i>Description/Function</i>	Displays the model number of telephone set which is currently connected to the extension port. <Telephone type list> Unknown: Not connected or Single Line Telephone TD50300: PC Console T7130: APT with SP-PHONE, 1-Line Display (12-CO) T7020 / T7320: APT with SP-PHONE (12-CO) T7033: APT with SP-PHONE (12-CO) T7030 / T7330: APT with SP-PHONE, 1-Line Display (12-CO) T7050 / T7350: APT with MONITOR (12-CO) T7055: APT with MONITOR (3-CO) T7220: DPT with SP-PHONE (24-CO) T7230: DPT with SP-PHONE, 2-Line Display (24-CO) T7235: DPT with SP-PHONE, 6-Line Display (12-CO) T7250: DPT with MONITOR (6-CO) T7420: DPT with SP-PHONE (12-CO) T7425: DPT with SP-PHONE (24-CO) T7431: DPT with SP-PHONE, 1-Line Display (12-CO) T7433: DPT with SP-PHONE, 3-Line Display (24-CO) T7436: DPT with SP-PHONE, 6-Line Display (24-CO) T7450: DPT with MONITOR (12-CO) T7451: DPT with MONITOR (4-CO) T7520: DPT with SP-PHONE (12-CO) T7531: DPT with SP-PHONE, 1-Line Display (12-CO) T7533: DPT with SP-PHONE, 3-Line Display (12-CO) T7536: DPT with SP-PHONE, 6-Line Display (12-CO) T7550: DPT with MONITOR (12-CO) T7560: DPT with MONITOR (8-CO) T7565: DPT with SP-PHONE, 1-Line Display (8-CO) T7040 / T7240 / T7340: DSS Console (32-DSS, 16-PF) T7440: DSS Console (66-DSS) T7441: DSS Console with ANSWER and RELEASE buttons (48-DSS) T7540: DSS Console (66-DSS) T7541: DSS Console with ANSWER and RELEASE buttons (48-DSS) T7545: Add-on key Module (12-CO for expansion)

<i>Parameter</i>	Card Type
<i>Description/Function</i>	<u>Notes</u> - Some telephones in the above list are not available depending on the destination area. - Some features of a KX-T7400/T7500 series PT do not function unless it is connected to a DLC or DHLC card whose LPR Version (ROM Version) is 1 or later.
<i>Reference</i>	1.3 System Features (F/G) - Mixed Station Capabilities
<i>Parameter</i>	DN
<i>Default</i>	1001 –
<i>Value Range</i>	3-4 digits consisting of 0-9
<i>Description/Function</i>	Specifies the DN (Directory Number = extension number) for the extension port.
	<u>Note</u> You must assign the paired extension for DN after selecting DSS for the attribute.
<i>Reference</i>	2.3 Numbering Plan (P/G)
<i>Parameter</i>	Group No.
<i>Default</i>	1
<i>Value Range</i>	1-128
<i>Description/Function</i>	Specifies the Extension Group (1-128) to which the extension port is assigned.
	<u>Note</u> Group No. of the first extension is assigned to #128.
<i>Reference</i>	1.3 System Features (F/G) - Extension Group 3.3 Extension Group (P/G)

Parameter	Parallel / XDP (DHLC card)
Default	Parallel
Value Range	1. Parallel 2. XDP
Description/Function	Specifies whether to enable or disable "Paralleled Connection of PT and SLT" or "XDP (eXtra Device Port) Connection of DPT and SLT."
Reference	• 1.1 System Expansion (F/G) – EXtra Device Port (XDP) • 1.3 System Features (F/G) – Paralleled Telephone

Parameter	Parallel / XDP (HLC card)
Default	None
Value Range	1. None 2. Parallel
Description/Function	Specifies whether to enable or disable "Paralleled Connection of PT and SLT."
Reference	• 1.3 System Features (F/G) – Paralleled Telephone

Parameter	Status
Default	—
Value Range	1. INS 2. OUS 3. FAULT
Description/Function	Specifies the operating status of the extension port. 1. INS: The extension port is In-Service 2. OUS: The extension port is Out-of-Service. 3. FAULT: The extension port is defective.
Reference	None

<i>Parameter</i>	DN Refer
<i>Default</i>	—
<i>Value Range</i>	—
<i>Description/Function</i>	Displays the list of DNs/FDNs which are already assigned to the extensions / system resources.
<i>Reference</i>	None

1.5 VPS (DPT) Port Assignment

Used to assign parameters for VPS (DPT) ports. Up to eight Panasonic Voice Processing Systems (VPSs) can be connected to the system.

Jack No.	Port No.	DN	Group No.	DN	Group No.	Status
1	1	2050	126	2051	126	INS
2	2	2052	126	2053	126	INS
3						OUS
4						OUS
5						OUS
6						OUS

How to set up a TVP

1. Assignment of the card which will be connected to the VPS System.

- *When you use a new DLC / DHLC card and set up the TVP to the PBX:*
Assign the card type of the slot to be installed to "DLC" or "DHLC" card and change the card status to "INS (In-Service)" in "1-1 Slot Assignment" screen.
Then, see the information of "Card Properties" and confirm that the software version of the card shows more than "1."
- *When you connect the TVP to the existing DLC / DHLC : Go to step 2.*

2. Assignment of the port which will be connected to the VPS System.

Change the attribute of the port to be connected to the TVP to "VPS (DPT)" in "1-3 Extension Port Assignment" screen. When the attribute of the port is changed to "VPS (DPT)," the parameters except "Attribute" will disappear and the directory number will be purged.

3. Assignment of VPS card and its model.

Select the corresponding equipment number in "TVP No." menu, the card (DLC / DHLC) which connects with the TVP in "VPS Card" menu, and the model of TVP in "Type" menu in "1-4 VPS (DPT) Port Assignment" screen.

4. Assignment of the extension port connected to the TVP.

Select in "Port No." menu the extension port number of the card (DLC / DHLC) to which the TVP (DPT) jack is to be connected. This menu is displayed only when the attribute of the port is assigned to "VPS (DPT)" at step 2.

After "Port No." selection, assign "DN" and "Extension Group No." for the port.

Save the data changes by clicking "Apply" button.

Then set "Port Status" to "INS (In-Service)."

Jack No.1 must be assigned, because the port is used as the channel to control the VPS.

5. Synchronisation of the communication between the KX-TD500 System and the TVP.

The KX-TD500 System begins synchronisation with the VPS when the step 4 is done.

The "Power" LED of the VPS begins flashing at the same time. The LED will turn on after the synchronisation is completed. It takes for about 30 seconds to 1 minute to be able to use the VPS system. It depends on the VPS model and the port number you set up.

<i>Parameter</i>	TVP No.
<i>Default</i>	1
<i>Value Range</i>	1- 8
<i>Description/Function</i>	Specifies one of the Panasonic Voice Processing Systems (VPSs) connected to the KX-TD500 system, which you are going to programme.
<i>Reference</i>	• 1.3 System Features (F/G) – Integration, VPS • 1.2 Slot Assignment (P/G)

<i>Parameter</i>	VPS Card
<i>Default</i>	None
<i>Value Range</i>	None, XXX : YYY [XXX : Card No. (101-314), YYY : Card Type]
<i>Description/Function</i>	Specifies the physical number of DLC / DHLC card to which VPS is connected as extensions.

Note

- The first DLC / DHLC card will support jacks 1 to 8 of the first TVP300 system. A second card will support jacks 9 to 12 of the TVP300 system. A third and fourth card are needed to support a second TVP300 system which is fully configured.

<i>Reference</i>	• 1.3 System Features (F/G) – Integration, VPS • 1.2 Slot Assignment (P/G)
-------------------------	--

Parameter	Type
Default	None
Value Range	1. None 2. TVP75 3. TVP100 4. TVP200 5. TVP200-1 6. TVP300
Description/Function	Specifies the model number of the Panasonic Voice Processing System which will be connected to the VPS card.

Note

- Please select "TVP200-1," if HDD (Hard Disc) Software Version of your TVP200 is 2.00 or later.

Reference	• 1.3 System Features (F/G) – Integration, VPS
------------------	---

Parameter	Jack No.
Default	(Display only)
Value Range	
Description/Function	Displays the Jack No. of VPS.
Reference	• 1.3 System Features (F/G) – Integration, VPS

Parameter	Port No.
Default	Blank
Value Range	1-16 [DLC card] 1-8 [DHLC card]
Description/Function	Specifies the extension port to which the VPS (DPT) jack is to be connected.
	Notes • This programme tells the system which extension port is connected to the Panasonic Voice Processing System. This allows the system to send the proper Digital Integration information to these ports. • The port number is displayed only when the attribute of the port is assigned to VPS (DPT).
Reference	• 1.4 Extension Port Assignment (P/G)

<i>Parameter</i>	[Ext No.1] DN
<i>Default</i>	Blank
<i>Value Range</i>	3-4 digits consisting of 0-9
<i>Description/Function</i>	Specifies the extension for B1 channel.

Notes

- This programme allows you to assign an extension number to each Voice Mail port. Since each port connected to the VPS provides two extensions, this enables you to assign extension numbers to each port. To reach the Voice Mail system, users dial these extension numbers.
- When you swap DN you already programmed among Jacks, you must clear these DNs once.

Reference • 2.3 Numbering Plan (P/G)

<i>Parameter</i>	[Ext No.1] Group No.
<i>Default</i>	Blank
<i>Value Range</i>	1-128
<i>Description/Function</i>	Specifies the Extension Group (1-128) to which the B1 channel of the VPS (DPT) port is assigned.

Note

- Specifies the extension group (1-128) to which the type of extension group, VM or AA, is assigned.

Reference • 1.3 System Features (F/G)
 – Extension Group
 • 3.3 Extension Group (P/G)

<i>Parameter</i>	[Ext No.2] DN
<i>Default</i>	Blank
<i>Value Range</i>	3-4 digits consisting of 0-9
<i>Description/Function</i>	Specifies the extension for B2 channel.

Notes

- This programme allows you to assign an extension number to each Voice Mail port. Since each port connected to the VPS provides two extensions, this enables you to assign extension numbers to each port. To reach the Voice Mail system, users dial these extension numbers.
- When you swap DN you already programmed among Jacks, you must clear these DNs once.

Reference • 2.3 Numbering Plan (P/G)

<i>Parameter</i>	[Ext No.2] Group No.
<i>Default</i>	Blank
<i>Value Range</i>	1-128
<i>Description/Function</i>	Specifies the Extension Group (1-128) to which the B2 channel of the VPS (DPT) port is assigned.

Note

- Specifies the extension group (1-128) to which the type of extension group, VM or AA, is assigned.

Reference • 1.3 System Features (F/G)
– Extension Group
• 3.3 Extension Group (P/G)

<i>Parameter</i>	Status
<i>Default</i>	—
<i>Value Range</i>	1. INS 2. OUS 3. FAULT
<i>Description/Function</i>	Specifies the operating status of the VPS (DPT) port. 1. INS: The VPS port is In-Service. 2. OUS: The VPS port is Out-of-Service. 3. FAULT: The VPS port is defective.
<i>Reference</i>	None

<i>Parameter</i>	DN Refer
<i>Default</i>	—
<i>Value Range</i>	—
<i>Description/Function</i>	Displays the list of DNs/FDNs which are already assigned to the extensions / system resources.
<i>Reference</i>	None

1.6 T1 Port Assignment

Used to assign parameters for T1 ports.

Port No.	Channel Type	DN	Group No.	Status
1	Undefined			OUS
2	Undefined			OUS
3	Undefined			OUS
4	Undefined			OUS
5	Undefined			OUS
6	Undefined			OUS
7	Undefined			OUS
8	Undefined			OUS

How to set up a T1 card

1. Insert T1 card into a free slot.

Notes

- T1 card should be installed in the free slot no. 1, 5 or 9 of each shelf.
 - The next slot must be empty.
2. Assign the card type of the slot to "T1" in "1-1 Slot Assignment" screen.
 3. Assign the channel type and the trunk group number of each port in "1-5 T1 Port Assignment" screen. Assign the directory number and the extension group number when the channel type is assigned to "OPX."

Note

- The channel type should be assigned on the basis of the contract with a telephone exchange.
4. When the channel type of the port is assigned to a trunk line (LCO, GCO, DID or TIE[E&M]), assign the parameters of the port like usual trunk line in "4-1 Trunk Line" screen. When the channel type is assigned to "OPX," assign the parameters of the port like usual extension line in "4-2 Extension Line" screen.
 5. Change the card status to "INS (In-Service)" in "1-1 Slot Assignment" screen. All the ports are changed to "INS (In-Service)" status automatically.

Parameter	Card No.
Default	—
Value Range	XXX : T1 [XXX : Card No. (101-314)]
Description/Function	Specifies the physical number of the T1 digital trunk card which you are going to programme.
Reference	• 1.2 Slot Assignment (P/G)

Parameter	Channel Type
Default	Undefined
Value Range	1. Undefined 2. LCO 3. GCO 4. DID 5. TIE (E&M) 6. OPX
Description/Function	Specifies the type of T1 interface per channel. 1. Undefined: Not assigned 2. LCO: Loop Start Central Office 3. GCO : Ground Start Central Office 4. DID: Direct Inward Dialling 5. TIE (E&M): TIE Line 6. OPX: Off Premise Extension
Reference	• 1.3 System Features (F/G) – T1 Carrier

Parameter	DN
Default	Blank
Value Range	3 - 4 digits consisting of 0-9
Description/Function	Specifies the extension for the T1 port. (Assignable only when "OPX" is specified in "Channel Type" setting.)
Reference	• 2.3 Numbering Plan (P/G)

Parameter	Group No.
Default	Blank
Value Range	1-48 or 1-128
Description/Function	<u>Channel Type : LCO, GCO, DID, TIE (E&M)</u> Specifies the Trunk Group (1-48) to which the T1 port is assigned. <u>Channel Type : OPX</u> Specifies the Extension Group (1-128) to which the T1 port is assigned.
Reference	• 1.3 System Features (F/G) – Extension Group – Trunk Group • 3.2 Trunk Group (P/G) • 3.3 Extension Group (P/G)

Parameter	Status
Default	—
Value Range	1. INS 2. OUS 3. FAULT
Description/Function	Specifies the operating status of the T1 port. 1. INS: The T1 port is In-Service. 2. OUS: The T1 port is Out-of-Service. 3. FAULT: The T1 port is defective (hardware). In this case, the LED indicator on the T1 card will light.
Reference	None

Parameter	DN Refer
Default	—
Value Range	—
Description/Function	Displays the list of DNs/FDNs which are already assigned to the extensions / system resources.
Reference	None

1.7 E1 Port Assignment

Used to assign parameters for E1 ports.

Port No.	Channel Type	Group No.	Receiver Type	Status
1	Undefined		Undefined	
2	Undefined		Undefined	
3	Undefined		Undefined	
4	Undefined		Undefined	
5	Undefined		Undefined	
6	Undefined		Undefined	
7	Undefined		Undefined	
8	Undefined		Undefined	

How to set up an E1 card

1. Insert E1 card into a free slot.

Notes

- E1 card should be installed in the free slot no. 1, 5 or 9 of each shelf.
 - The next slot must be empty.
2. Assign the card type of the slot to "E1" in "1-1 Slot Assignment" screen.
 3. Assign the channel type and the trunk group number of each port in "1-6 E1 Port Assignment" screen.

Note

- The channel type should be assigned on the basis of the contract with a telephone exchange.
4. Assign the parameters of the port like usual trunk line in "4-1 Trunk Line" screen.
 5. Change the card status to "INS (In-Service)" in "1-1 Slot Assignment" screen. All the ports are changed to "INS (In-Service)" status automatically.

<i>Parameter</i>	<i>Card No.</i>
<i>Default</i>	—
<i>Value Range</i>	XXX : E1 [XXX : Card No. (101-314)]
<i>Description/Function</i>	Specifies the physical number of the E1 digital trunk card which you are going to programme.
<i>Reference</i>	• 1.2 Slot Assignment (P/G)

<i>Parameter</i>	<i>Channel Type</i>
<i>Default</i>	Undefined
<i>Value Range</i>	1. Undefined 2. DR2 3. E&M-P 4. E&M-C
<i>Description/Function</i>	Specifies the type of E1 interface per channel. 1. Undefined: Not assigned. 2. DR2: Digital signalling system-R2 3. E&M-P: Pulsed E&M 4. E&M-C: Continuous E&M
<i>Reference</i>	• 1.3 System Features (F/G) – E1 Carrier

<i>Parameter</i>	<i>Group No.</i>
<i>Default</i>	Blank
<i>Value Range</i>	1-48
<i>Description/Function</i>	Specifies the Trunk Group (1-48) to which the E1 port is assigned.
<i>Reference</i>	• 1.3 System Features (F/G) – Trunk Group • 3.2 Trunk Group (P/G)

<i>Parameter</i>	Receiver Type
<i>Default</i>	Undefined
<i>Value Range</i>	1. Undefined 2. Pulse 3. DTMF 4. MFC-R2
<i>Description/Function</i>	Specifies the dial type when receiving an incoming call. 1. Undefined: Not assigned. 2. Pulse: DP Signalling sending / receiving 3. DTMF: DTMF Signalling sending / receiving 4. MFC-R2: MFC-R2 Signalling sending / receiving (Digital signalling system-R2 only)
<i>Reference</i>	None

<i>Parameter</i>	Status
<i>Default</i>	—
<i>Value Range</i>	1. INS 2. OUS 3. FAULT
<i>Description/Function</i>	Specifies the operating status of the E1 port. 1. INS: The E1 port is In-Service. 2. OUS: The E1 port is Out-of-Service. 3. FAULT: The E1 port is defective (hardware). In this case, the LED indicator on the E1 card will light.
<i>Reference</i>	None

1.8 DISA Port Assignment

Used to assign OGM group number for each DISA card.

<i>Parameter</i>	[Card No. 1-8] Location
Default	(Display only)
Value Range	101-314
Description/Function	Displays the slot number of the DISA card which you are going to programme.
Reference	• 1.2 Slot Assignment (P/G)

<i>Parameter</i>	[Card No. 1-8] OGM Group No.
Default	1
Value Range	1-8
Description/Function	Specifies the OGM Group (1-8) to which the DISA card is assigned.
Reference	• 1.3 System Features (F/G) – Outgoing Message (OGM) • 3.6 OGM Group (P/G)

1.9 BRI Port Assignment

Used to assign the parameters for BRI (Basic Rate Interface) ports.

1-8 BRI Port Assignment

Card No. 101 BRI

Port No.	Line	Type	DN	Group No.	Status
1	1	CO		1	
	2				
2	3	CO		1	
	4				
3	5	CO		1	
	6				
4	7	CO		1	
	8				

DN Refer

1-8 BRI Port Assignment

OKApplyCancelHelp

Parameter	Card No.
Default	—
Value Range	XXX: BRI [XXX: Card No. (101-314)]
Description/Function	Specifies the physical number of the BRI card which you are going to programme.
Reference	• 1.2 Slot Assignment (P/G)

<i>Parameter</i>	Type
<i>Default</i>	CO
<i>Value Range</i>	1. CO 2. EXT 3. Qsig – Master 4. Qsig – Slave
<i>Description/Function</i>	Specifies the type of each BRI port on a BRI port basis.
	<u>Note</u> When you change the programming data, the status of the card must be made OUS (Out-of-Service), and then INS (In-Service).
<i>Reference</i>	2.1 ISDN Features (F/G) – Integrated Services Digital Network (ISDN) – Integrated Services Digital Network (ISDN) Extension 3.1 TIE Line Features (F/G) – TIE Line Service 4.7 ISDN Extension Line (P/G)

<i>Parameter</i>	DN
<i>Default</i>	Blank
<i>Value Range</i>	3-4 digits consisting of 0-9 or X
<i>Description/Function</i>	Specifies the DN (Directory Number) for the BRI port. (Assignable only when "EXT" is specified in "Type" assignment.)
	<u>Note</u> "X" can be used as a wild card character which substitutes any digit in its position. The last one or two digits of DN may be "X."
<i>Reference</i>	2.3 Numbering Plan (P/G)

Parameter	Group No.
Default	1
Value Range	1-48 or 1-128
Description/Function	<u>Type: CO, Qsig-Master, Qsig-Slave</u> Specifies the Trunk Group (1-48) to which the BRI port is assigned. <u>Type: EXT</u> Specifies the Extension Group (1-128) to which the BRI port is assigned.
Reference	• 1.3 System Features (F/G) – Extension Group – Trunk Group • 3.1 TIE Line Features (F/G) – TIE Line Service • 3.2 Trunk Group (P/G) • 3.3 Extension Group (P/G)

Parameter	Status
Default	—
Value Range	1. INS 2. OUS 3. FAULT
Description/Function	Specifies the operating status of the BRI port. 1. INS: The BRI port is In-Service. 2. OUS: The BRI port is Out-of-Service. 3. FAULT: The BRI port is defective (hardware). In this case, the LED indicator on the BRI card will light.
Reference	None

Parameter	DN Refer
Default	—
Value Range	—
Description/Function	Displays the list of DNs/FDNs which are already assigned to the extensions / system resources.
Reference	None

1.10 PRI Port Assignment

Used to assign the parameters for PRI (Prime Rate Interface) ports.

<i>Parameter</i>	<i>Card No.</i>
<i>Default</i>	—
<i>Value Range</i>	XXX: PRI23/PRI30 [XXX: Card No. (101–314)]
<i>Description/Function</i>	Specifies the physical number of the PRI23/PRI30 card which you are going to programme.
<i>Reference</i>	• 1.2 Slot Assignment (P/G)

<i>Parameter</i>	Type
<i>Default</i>	CO
<i>Value Range</i>	1. CO 2. EXT 3. Qsig – Master 4. Qsig – Slave
<i>Description/Function</i>	Specifies the type of each PRI port on a PRI port basis.
	<u>Notes</u> • When you change the programming data, the status of the card must be made OUS (Out-of-Service), and then INS (In-Service). • The type of PRI port can be assigned per PRI23 / PRI30 card.
<i>Reference</i>	• 2.1 ISDN Features (F/G) – Integrated Services Digital Network (ISDN) – Integrated Services Digital Network (ISDN) Extension • 3.1 TIE Line Features (F/G) – TIE Line Service • 4.7 ISDN Extension Line (P/G)

<i>Parameter</i>	DN
<i>Default</i>	Blank
<i>Value Range</i>	3-4 digits consisting of 0-9 or X
<i>Description/Function</i>	Specifies the DN (Directory Number) for the PRI port. (Assignable only when "EXT" is specified in "Type" assignment.)
	<u>Note</u> • "X" can be used as a wild card character which substitutes any digit in its position. The last one or two digits of DN may be "X."
<i>Reference</i>	• 2.3 Numbering Plan (P/G)

Parameter	Group No.
Default	1
Value Range	1-48 or 1-128
Description/Function	<u>Type: CO, Qsig-Master, Qsig-Slave</u> Specifies the Trunk Group (1-48) to which the PRI port is assigned. <u>Type: EXT</u> Specifies the Extension Group (1-128) to which the PRI port is assigned.
Reference	• 1.3 System Features (F/G) – Extension Group – Trunk Group • 3.1 TIE Line Features (F/G) – TIE Line Service • 3.2 Trunk Group (P/G) • 3.3 Extension Group (P/G)

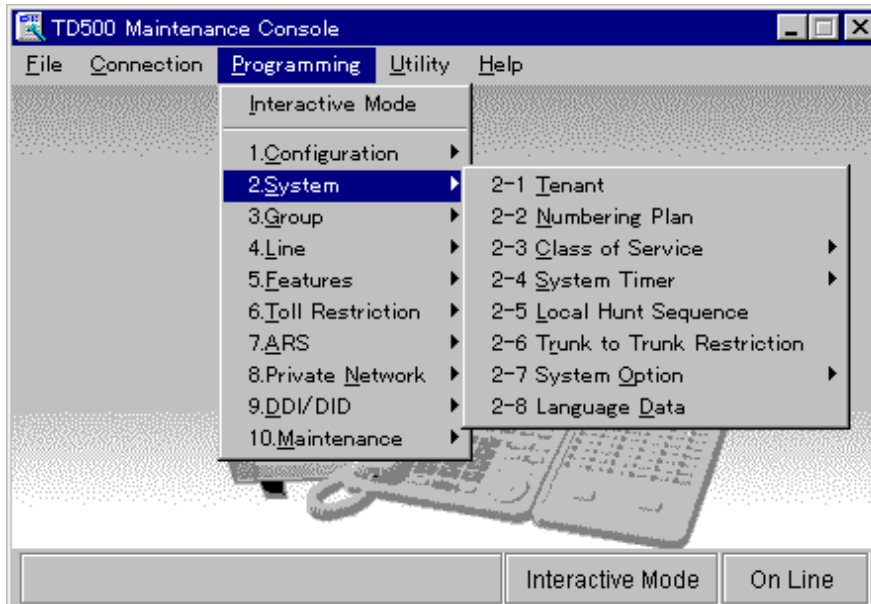
Parameter	Status
Default	—
Value Range	1. INS 2. OUS 3. FAULT
Description/Function	Specifies the operating status of the PRI port. 1. INS: The PRI port is In-Service. 2. OUS: The PRI port is Out-of-Service. 3. FAULT: The PRI port is defective (hardware). In this case, the LED indicator on the PRI23/PRI30 card will light.
Reference	None

Section 2

System

2.1 System

Used to assign parameters which affect system-wide operation.



2.2 Tenant

Used to assign various parameters on a tenant (1-8) basis.

<i>Parameter</i>	Tenant No.
<i>Default</i>	1
<i>Value Range</i>	1-8
<i>Description/Function</i>	Specifies the tenant (1-8) which you are going to programme.
<i>Reference</i>	1.3 System Features (F/G) – Tenant Service

<i>Parameter</i>	Operator FDN
<i>Default</i>	Blank
<i>Value Range</i>	3-4 digits consisting of 0-9
<i>Description/Function</i>	Specifies the FDN (Floating Directory Number) of Extension Group or Incoming Group. Calls by the feature number for Operator Call will reach to this destination.
<i>Reference</i>	1.3 System Features (F/G) – Floating Station 1.6 Originating Features (F/G) – Operator Call

<i>Parameter</i>	Alert Extension - Day / Night
<i>Default</i>	Blank
<i>Value Range</i>	3-4 digits consisting of 0-9
<i>Description/Function</i>	Specifies the destination extension which will be alerted by the system, if there is an extension user who did not respond to the Timed Reminder ringing (or Wake-Up Call).
<i>Reference</i>	• 1.3 System Features (F/G) – Hotel Application • 1.8 Ringing Features (F/G) – Timed Reminder (Wake-Up Call) – Timed Reminder, Remote (Wake-Up Call) • 2.7.1 Setting the Alarm (Timed Reminder (Wake-Up Call)) (U/M) • 3.1.1 Setting the Alarm for Other Extensions (Remote Timed Reminder (Wake-Up Call)) (U/M) • 3.2.6 Hotel Use Features (Hotel Application) [KX-T7436, KX-T7235 only] (U/M)

<i>Parameter</i>	DAY / NIGHT Switching Mode
<i>Default</i>	Manual
<i>Value Range</i>	1. Manual 2. Auto
<i>Description/Function</i>	Specifies the Day / Night / Lunch / Break switching mode, Manual or Auto. 1. <i>Manual</i> The extension allowed by COS (Class of Service) programming, the Manager or the Operators can switch Day / Night / Lunch / Break mode at any time desired by dialling the feature number for "Night Mode set / cancel." 2. <i>Auto</i> The system automatically switches the Day / Night / Lunch / Break mode each day at the time programmed in Auto Start Time.
<i>Reference</i>	• 2.11.4 Switching the Day/Night Service (U/M)

<i>Parameter</i>	Inter-tenant Calling (1 - 8)
<i>Default</i>	No check
<i>Value Range</i>	1. No check [Disallowed] 2. Check [Allowed]
<i>Description/Function</i>	Specifies other tenant numbers to which extensions in this tenant can make a call. If no tenant numbers are checked in this field, extension users within this tenant cannot make a call to extensions in other tenants. Making calls from one tenant to another is not allowed by default.
<i>Reference</i>	• 1.3 System Features (F/G) – Tenant Service

(Auto Start Time)

Specifies "Start" time of DAY / NIGHT / LUNCH / BREAK service on a day of the week basis.

(This setting is valid when "Auto mode" is selected in "DAY / NIGHT Switching Mode" setting.)

Up to four time frames (Day, Night, Lunch-Start, Lunch-End, Break-Start, Break-End) can be set up on each day of the week.

<i>Parameter</i>	Day (SUN-SAT)
<i>Default</i>	9:00 AM
<i>Value Range</i>	1. Disable 2. 12:00-11:59 PM / AM
<i>Description/Function</i>	Specifies the start time for Day Service.
<i>Reference</i>	• 1.3 System Features (F/G) – Night Service

<i>Parameter</i>	Night (SUN-SAT)
<i>Default</i>	5:00 PM
<i>Value Range</i>	Same as Day
<i>Description/Function</i>	Specifies the start time for Night Service.
<i>Reference</i>	• 1.3 System Features (F/G) – Night Service

<i>Parameter</i>	Lunch - Start (SUN-SAT)
<i>Default</i>	12:00 PM
<i>Value Range</i>	Same as Day
<i>Description/Function</i>	Specifies the start time for Lunch Service.
<i>Reference</i>	• 1.3 System Features (F/G) – Night Service

<i>Parameter</i>	Lunch - End (SUN-SAT)
<i>Default</i>	1:00 PM
<i>Value Range</i>	Same as Day
<i>Description/Function</i>	Specifies the end time for Lunch Service.
<i>Reference</i>	• 1.3 System Features (F/G) – Night Service

<i>Parameter</i>	Break - Start (SUN-SAT)
<i>Default</i>	3:00 PM
<i>Value Range</i>	Same as Day
<i>Description/Function</i>	Specifies the start time for Break Service.
<i>Reference</i>	• 1.3 System Features (F/G) – Night Service

<i>Parameter</i>	Break - End (SUN-SAT)
<i>Default</i>	3:30 PM
<i>Value Range</i>	Same as Day
<i>Description/Function</i>	Specifies the end time for Break Service.
<i>Reference</i>	• 1.3 System Features (F/G) – Night Service

Parameter	Music on Hold Source
Default	MUS1
Value Range	1. None 2. MUS1 3. MUS2 4. Tone
Description/Function	Specifies the Music Source port to be used for Music on Hold.
	Note If "MUS2" is selected, the actual source depends upon the position of the switch located on the TSW card. "MUS2 (Music 2 jack)" or "INT MUS (internal music)" can be selected by this switch.
Reference	1.3 System Features (F/G) – Music on Hold 2.8.3 Music Source (External / Internal) (I/M)

Parameter	BGM Source
Default	MUS1
Value Range	1. None 2. MUS1 3. MUS2
Description/Function	Specifies the Music Source port to be used for BGM.
	Note If "MUS2" is selected, the actual source depends upon the position of the switch located on the TSW card. "MUS2 (Music 2 jack)" or "INT MUS (internal music)" can be selected by this switch.
Reference	2.8.3 Music Source (External / Internal) (I/M)

Parameter	Manager Extension DN
Default	Blank
Value Range	3-4 digits consisting of 0-9
Description/Function	Specifies the extension for the Manager.
Reference	1.3 System Features (F/G) –Manager Extension 3 Operator/Manager Operation (U/M)

<i>Parameter</i>	System Speed Dialling Entries Max.
<i>Default</i>	Tenant No. 1:1000, Tenant No. 2:1000, Tenant Nos. 3-8:0
<i>Value Range</i>	0-1000 in 20 codes increments
<i>Description/Function</i>	Specifies the maximum number of Speed Dialling codes available for each tenant.
	Note Up to 2000 Speed Dialling codes can be shared among tenants under the restriction of up to 1000 codes per tenant.
<i>Reference</i>	5.2 System Speed Dialling (P/G)

<i>Parameter</i>	Automatic Route Selection
<i>Default</i>	No check
<i>Value Range</i>	- Check [Enable] - No check [Disable]
<i>Description/Function</i>	Specifies whether to utilise ARS (Automatic Route Selection) or not. If set to "No" (No check), "Trunk Access, Idle" is activated instead of ARS when an extension user dials "9: [SA]" or "0: Others" for making an outside call.
<i>Reference</i>	1.6 Originating Features (F/G) - Automatic Route Selection (ARS) 7.1 ARS (Automatic Route Selection) (P/G)

<i>Parameter</i>	External Paging Tone
<i>Default</i>	Check
<i>Value Range</i>	- Check [Enable] - No check [Disable]
<i>Description/Function</i>	If checked, a confirmation tone is emitted from external pagers before voice announcement.
<i>Reference</i>	1.14 Paging Features (F/G) - Paging 2.6.1 Paging (U/M)

<i>Parameter</i>	System Speed Dial TRS Level Override
<i>Default</i>	No check
<i>Value Range</i>	1. Check [Enable] 2. No check [Disable]
<i>Description/Function</i>	Enables or disables "Toll Restriction Override for System Speed Dial Numbers" feature. If enabled (Check), all extension users in the tenant can make System Speed Dialling calls without toll restriction.
<i>Reference</i>	• 1.6 Originating Features (F/G) –Toll Restriction Override for System Speed Dialling

<i>Parameter</i>	Confirmation Tone for Station or External Paging
<i>Default</i>	Check
<i>Value Range</i>	1. Check [Enable] 2. No check [Disable]
<i>Description/Function</i>	If checked, a confirmation tone is sent to the extension user who initiated the Station Paging or the External Paging.
<i>Reference</i>	• 1.14 Paging Features (F/G) – Paging • 2.6.1 Paging (U/M)

2.3 Numbering Plan

Used to assign the leading digits of extension numbers, and feature numbers for system features.

No.	Feature	Dial
1	1st Hundred Block Extension	10
2	2nd Hundred Block Extension	11
3	3rd Hundred Block Extension	12
4	4th Hundred Block Extension	13
5	5th Hundred Block Extension	14
6	6th Hundred Block Extension	20
7	7th Hundred Block Extension	21
8	8th Hundred Block Extension	22
9	9th Hundred Block Extension	23
10	10th Hundred Block Extension	24

2-2 Numbering Plan [OK] [Apply] [Cancel] [Help]

Parameter	1 1st Hundred Block Extension
Default	10
Value Range	1-2 digits consisting of 0-9
Description/Function	Specifies the leading 1 or 2 digits of the extension number. Any number "0 through 9" can be set.
Notes	
• If one digit is assigned as the leading digit, 3-digit extension numbers can be assigned. • If two digits are assigned as the leading digits, 4-digit extension numbers can be assigned.	
Reference	• 1.3 System Features (F/G) – Flexible Numbering

<i>Parameter</i>	2 2nd Hundred Block Extension
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<i>Default</i>	11
<i>Value Range</i>	1-2 digits consisting of 0-9
<i>Description/Function</i>	Same as the Parameter 1.
<i>Reference</i>	• 1.3 System Features (F/G) – Flexible Numbering

<i>Parameter</i>	3 3rd Hundred Block Extension
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<i>Default</i>	12
<i>Value Range</i>	1-2 digits consisting of 0-9
<i>Description/Function</i>	Same as the Parameter 1.
<i>Reference</i>	• 1.3 System Features (F/G) – Flexible Numbering

<i>Parameter</i>	4 4th Hundred Block Extension
-------------------------	--------------------------------------

<i>Default</i>	13
<i>Value Range</i>	1-2 digits consisting of 0-9
<i>Description/Function</i>	Same as the Parameter 1.
<i>Reference</i>	• 1.3 System Features (F/G) – Flexible Numbering

<i>Parameter</i>	5 5th Hundred Block Extension
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<i>Default</i>	14
<i>Value Range</i>	1-2 digits consisting of 0-9
<i>Description/Function</i>	Same as the Parameter 1.
<i>Reference</i>	• 1.3 System Features (F/G) – Flexible Numbering

<i>Parameter</i>	6 6th Hundred Block Extension
-------------------------	--------------------------------------

<i>Default</i>	20
<i>Value Range</i>	1-2 digits consisting of 0-9
<i>Description/Function</i>	Same as the Parameter 1.
<i>Reference</i>	• 1.3 System Features (F/G) – Flexible Numbering

<i>Parameter</i>	7 7th Hundred Block Extension
<i>Default</i>	21
<i>Value Range</i>	1-2 digits consisting of 0-9
<i>Description/Function</i>	Same as the Parameter 1.
<i>Reference</i>	• 1.3 System Features (F/G) – Flexible Numbering

<i>Parameter</i>	8 8th Hundred Block Extension
<i>Default</i>	22
<i>Value Range</i>	1-2 digits consisting of 0-9
<i>Description/Function</i>	Same as the Parameter 1.
<i>Reference</i>	• 1.3 System Features (F/G) – Flexible Numbering

<i>Parameter</i>	9 9th Hundred Block Extension
<i>Default</i>	23
<i>Value Range</i>	1-2 digits consisting of 0-9
<i>Description/Function</i>	Same as the Parameter 1.
<i>Reference</i>	• 1.3 System Features (F/G) – Flexible Numbering

<i>Parameter</i>	10 10th Hundred Block Extension
<i>Default</i>	24
<i>Value Range</i>	1-2 digits consisting of 0-9
<i>Description/Function</i>	Same as the Parameter 1.
<i>Reference</i>	• 1.3 System Features (F/G) – Flexible Numbering

<i>Parameter</i>	11-16 11th Hundred Block Extension - 16th Hundred Block Extension
<i>Default</i>	Blank
<i>Value Range</i>	1-2 digits consisting of 0-9
<i>Description/Function</i>	Same as the Parameter 1.
<i>Reference</i>	• 1.3 System Features (F/G) – Flexible Numbering
<i>Parameter</i>	17 Operator Call
<i>Default</i>	9: [SA], 0: Others
<i>Value Range</i>	1-4 digits consisting of 0-9, ✕ or #
<i>Description/Function</i>	Specifies the feature number for calling the Operator. FDN for each Operator Group can also be used for this purpose.
<i>Reference</i>	• 2.2.1 Basic Calling (U/M)
<i>Parameter</i>	18 Local CO Line Access / ARS
<i>Default</i>	0: [SA], 9: Others
<i>Value Range</i>	1-4 digits consisting of 0-9, ✕ or #
<i>Description/Function</i>	Specifies the feature number for making an outside call by "ARS (Automatic Route Selection)" or "Trunk Access, Idle."
<i>Reference</i>	• 2.2.1 Basic Calling (U/M)
<i>Parameter</i>	19 Trunk Group Access
<i>Default</i>	8
<i>Value Range</i>	1-4 digits consisting of 0-9, ✕ or #
<i>Description/Function</i>	Specifies the feature number for making an outside call by specifying a Trunk Group (01-48).
<i>Reference</i>	• 2.2.1 Basic Calling (U/M)

<i>Parameter</i>	20 Speed Dialing - System
<i>Default</i>	*
<i>Value Range</i>	1-4 digits consisting of 0-9, *, or #
<i>Description/Function</i>	Specifies the feature number for making a call using a System Speed Dialling number.
<i>Reference</i>	• 2.2.2 Easy Dialling (U/M)

<i>Parameter</i>	21 Speed Dialing - Station
<i>Default</i>	3*
<i>Value Range</i>	1-4 digits consisting of 0-9, *, or #
<i>Description/Function</i>	Specifies the feature number for making a call using a Station Speed Dialling number.
<i>Reference</i>	• 2.2.2 Easy Dialling (U/M)

<i>Parameter</i>	22 Speed Dialing - Station Programming
<i>Default</i>	30
<i>Value Range</i>	1-4 digits consisting of 0-9, *, or #
<i>Description/Function</i>	Specifies the feature number for programming Station Speed Dialling numbers at each extension.
<i>Reference</i>	• 2.2.2 Easy Dialling (U/M)

<i>Parameter</i>	23 Doorphone Call
<i>Default</i>	31
<i>Value Range</i>	1-4 digits consisting of 0-9, *, or #
<i>Description/Function</i>	Specifies the feature number for making a call to a doorphone.
<i>Reference</i>	• 2.8.1 If a Doorphone/Door Opener is Connected (U/M)

<i>Parameter</i>	24 External Paging
<i>Default</i>	32
<i>Value Range</i>	1-4 digits consisting of 0-9, *, or #
<i>Description/Function</i>	Specifies the feature number for making a paging announcement through External Pagers.
<i>Reference</i>	• 2.6.1 Paging (U/M)

Parameter	25 External Paging Answer / TAFAS Answer
Default	42
Value Range	1-4 digits consisting of 0-9, *, or #
Description/Function	Specifies the feature number for answering paging announcements through External Pagers or TAFAS (Trunk Answer From Any Station) calls.
Reference	• 2.6.3 Answering a Paged Announcement (U/M)

Parameter	26 Station Paging
Default	33
Value Range	1-4 digits consisting of 0-9, *, or #
Description/Function	Specifies the feature number for making a paging announcement through the built-in speakers of PTs.
Reference	• 2.6.1 Paging (U/M)

Parameter	27 Station Paging Answer
Default	43
Value Range	1-4 digits consisting of 0-9, *, or #
Description/Function	Specifies the feature number for answering the paging announcement through the built-in speakers of PTs.
Reference	• 2.6.3 Answering a Paged Announcement (U/M)

Parameter	28 CO Call Pickup
Default	4*
Value Range	1-4 digits consisting of 0-9, *, or #
Description/Function	Specifies the feature number for answering a CO call ringing at another extension.
Reference	• 2.3.3 Answering a Call Ringing at Another Telephone (Call Pickup) (U/M)

<i>Parameter</i>	29 Group Call Pickup
<i>Default</i>	40
<i>Value Range</i>	1-4 digits consisting of 0-9, *, or #
<i>Description/Function</i>	Specifies the feature number for answering a call ringing at another extension in the same Extension Group.
<i>Reference</i>	• 2.3.3 Answering a Call Ringing at Another Telephone (Call Pickup) (U/M)
<i>Parameter</i>	30 Directed Call Pickup
<i>Default</i>	41
<i>Value Range</i>	1-4 digits consisting of 0-9, *, or #
<i>Description/Function</i>	Specifies the feature number for answering a call ringing at another extension.
<i>Reference</i>	• 2.3.3 Answering a Call Ringing at Another Telephone (Call Pickup) (U/M)
<i>Parameter</i>	31 Hold
<i>Default</i>	50
<i>Value Range</i>	1-4 digits consisting of 0-9, *, or #
<i>Description/Function</i>	Specifies the feature number for putting a call on hold and retrieving the call.
<i>Reference</i>	• 2.4.1 Holding a Call (U/M)
<i>Parameter</i>	32 Hold Retrieve - Station
<i>Default</i>	51
<i>Value Range</i>	1-4 digits consisting of 0-9, *, or #
<i>Description/Function</i>	Specifies the feature number for retrieving a call held at another extension.
<i>Reference</i>	• 2.4.1 Holding a Call (U/M)

Parameter	33 Hold Retrieve - Trunk
Default	53
Value Range	1-4 digits consisting of 0-9, *, or #
Description/Function	Specifies the feature number for retrieving a specific outside call held at another extension.
Reference	• 2.4.1 Holding a Call (U/M)
Parameter	34 Redial
Default	#
Value Range	1-4 digits consisting of 0-9, *, or #
Description/Function	Specifies the feature number for dialling the last number dialled.
Reference	• 2.2.3 Redial (U/M)
Parameter	35 Call Park / Call Park Retrieve
Default	52
Value Range	1-4 digits consisting of 0-9, *, or #
Description/Function	Specifies the feature number for placing a call on hold / retrieving the call held in the system-common parking area.
Reference	• 2.4.1 Holding a Call (U/M) • 2.4.6 Five-party Conversation (U/M)
Parameter	36 Account Code
Default	49
Value Range	1-4 digits consisting of 0-9, *, or #
Description/Function	Specifies the feature number for entering account codes which may be forced or optional depending on Class of Service programming.
Reference	• 2.2.5 Calling without Restrictions (U/M)
Parameter	37 Door Open
Default	55
Value Range	1-4 digits consisting of 0-9, *, or #
Description/Function	Specifies the feature number for unlocking the Door Opener.
Reference	• 2.8.1 If a Doorphone/Door Opener is Connected (U/M)

<i>Parameter</i>	38 External Feature Access
<i>Default</i>	6
<i>Value Range</i>	1-4 digits consisting of 0-9, * or #
<i>Description/Function</i>	Specifies the feature number for sending a switchhook flash to a host PBX or Centrex system. This is useful when the host PBX offers, for example, "Call Waiting" call.
<i>Reference</i>	• 2.8.2 If a Host PBX is Connected (U/M)
<i>Parameter</i>	39 Station Program Clear
<i>Default</i>	790
<i>Value Range</i>	1-4 digits consisting of 0-9, * or #
<i>Description/Function</i>	Specifies the feature number for Station Programme Clear.
<i>Reference</i>	• 2.7.14 Clearing the Feature Settings at Your Extension (Station Programme Clear) (U/M)
<i>Parameter</i>	40 Message Waiting Set / Cancel / Call Back
<i>Default</i>	70
<i>Value Range</i>	1-4 digits consisting of 0-9, * or #
<i>Description/Function</i>	Specifies the feature number for setting / cancelling the Message Waiting indications. This is also used to call back the party who left a Message Waiting indication.
<i>Reference</i>	• 2.2.4 When the Dialed Line is Busy or There is No Answer (U/M)
<i>Parameter</i>	41 OGM Playback / Record
<i>Default</i>	36
<i>Value Range</i>	1-4 digits consisting of 0-9, * or #
<i>Description/Function</i>	Specifies the feature number for recording / playing back an OGM (Outgoing Message). [For Manager, Operator only]
<i>Reference</i>	• 3.2.2 Recording Outgoing Messages (U/M)

<i>Parameter</i>	42 Call FWD - Do Not Disturb Set / Cancel
<i>Default</i>	710
<i>Value Range</i>	1-4 digits consisting of 0-9, * or #
<i>Description/Function</i>	Specifies the feature number for setting / cancelling the Call Forwarding / Do Not Disturb feature.
<i>Reference</i>	• 2.5.1 Forwarding Your Calls (Call Forwarding) (U/M) • 2.5.2 Forwarding Your Calls by ISDN (Call Forwarding by ISDN Provider) (U/M) • 2.7.2 Refusing Incoming Calls (Do Not Disturb [DND]) (U/M)
<i>Parameter</i>	43 Dial Call Pickup Deny Set / Cancel
<i>Default</i>	720
<i>Value Range</i>	1-4 digits consisting of 0-9, * or #
<i>Description/Function</i>	Specifies the feature number for setting / cancelling the Dial Call Pickup deny feature.
<i>Reference</i>	• 2.7.8 Denying Other People the Possibility of Picking up Your Calls (Call Pickup Deny) (U/M)
<i>Parameter</i>	44 Data Line Security Set / Cancel
<i>Default</i>	730
<i>Value Range</i>	1-4 digits consisting of 0-9, * or #
<i>Description/Function</i>	Specifies the feature number for setting / cancelling the Data Line Security feature.
<i>Reference</i>	• 2.7.11 Protecting Your Line against Indication Tones (Data Line Security) (U/M)
<i>Parameter</i>	45 Call Waiting Set / Cancel
<i>Default</i>	731
<i>Value Range</i>	1-4 digits consisting of 0-9, * or #
<i>Description/Function</i>	Specifies the feature number for setting / cancelling Call Waiting feature.
<i>Reference</i>	• 2.7.3 Receiving a Call Waiting (Call Waiting/Off-Hook Call Announcement [OHCA]/Whisper OHCA) (U/M)

<i>Parameter</i>	46 Executive Busy Override Deny Set / Cancel
<i>Default</i>	733
<i>Value Range</i>	1-4 digits consisting of 0-9, *, or #
<i>Description/Function</i>	Specifies the feature number for setting / cancelling Executive Busy Override Deny feature.
<i>Reference</i>	• 2.7.9 Denying Other People the Possibility of Joining Your Conversation (Executive Busy Override Deny) (U/M)
<i>Parameter</i>	47 Pickup Dialing Program / Set / Cancel
<i>Default</i>	74
<i>Value Range</i>	1-4 digits consisting of 0-9, *, or #
<i>Description/Function</i>	Specifies the feature number for programming / setting / cancelling Pickup Dialing feature.
<i>Reference</i>	• 2.2.2 Easy Dialling (U/M)
<i>Parameter</i>	48 Absent Message Set / Cancel
<i>Default</i>	750
<i>Value Range</i>	1-4 digits consisting of 0-9, *, or #
<i>Description/Function</i>	Specifies the feature number for setting / cancelling Absent Message feature.
<i>Reference</i>	• 2.5.3 Showing an Absent Message on the Caller's Telephone Display (Absent Message Capability) (U/M)
<i>Parameter</i>	49 Timed Reminder Confirm / Set / Cancel
<i>Default</i>	761
<i>Value Range</i>	1-4 digits consisting of 0-9, *, or #
<i>Description/Function</i>	Specifies the feature number for confirming / setting / cancelling Timed Reminder feature.
<i>Reference</i>	• 2.7.1 Setting the Alarm (Timed Reminder (Wake-Up Call)) (U/M)

<i>Parameter</i>	50 Station Lock Set / Cancel
<i>Default</i>	762
<i>Value Range</i>	1-4 digits consisting of 0-9, *, or #
<i>Description/Function</i>	Specifies the feature number for setting / cancelling Electronic Station Lockout feature.
<i>Reference</i>	• 2.5.4 Preventing Other People from Making Outside Calls Using Your Telephone (Electronic Station Lockout) (U/M)
<i>Parameter</i>	51 Night Mode Set / Cancel
<i>Default</i>	78
<i>Value Range</i>	1-4 digits consisting of 0-9, *, or #
<i>Description/Function</i>	Specifies the feature number for turning on / off the Night Service mode.
<i>Reference</i>	• 2.11.4 Switching the Day/Night Service (U/M)
<i>Parameter</i>	52 Parallel Telephone Mode
<i>Default</i>	39
<i>Value Range</i>	1-4 digits consisting of 0-9, *, or #
<i>Description/Function</i>	Specifies the feature number for setting / cancelling Parallel Telephone mode.
<i>Reference</i>	• 2.7.13 Setting the Parallel Connected Telephone Ringer (Paralleled Telephone Connection) (U/M)
<i>Parameter</i>	53 External BGM On / Off
<i>Default</i>	35
<i>Value Range</i>	1-4 digits consisting of 0-9, *, or #
<i>Description/Function</i>	Specifies the feature number for turning on / off External BGM. [For Manager, Operator only]
<i>Reference</i>	• 3.2.1 Turning on the External Background Music (Background Music [BGM]—External) (U/M)

Parameter	54 Live Call Screening
Default	799
Value Range	1-4 digits consisting of 0-9, *, or #
Description/Function	Specifies the feature number for setting / cancelling Live Call Screening feature.
Reference	• 2.8.3 If a Voice Processing System is Connected (U/M)
Parameter	55 Call Log Incoming, Overwrite Mode
Default	56
Value Range	1-4 digits consisting of 0-9, *, or #
Description/Function	Specifies the feature number for turning on/off the Call Log Incoming, Overwrite Mode. If turned on (e.g., 561), overwriting the buffer will occur. If turned off (e.g., 560), new data will be disregarded when the buffer is full.
Reference	• 2.10.1 Calling Using the Call Log (Incoming Call Log) [KX-T7433, KX-T7436, KX-T7230, KX-T7235 only] (U/M)
Parameter	56 Call Log Incoming, Log Lock
Default	57
Value Range	1-4 digits consisting of 0-9, *, or #
Description/Function	Specifies the feature number for turning on/off the Call Log Incoming, Log Lock. A 3-digit password is needed. Use it twice (e.g., 57123123) to turn on the lock, and use it once (i.e., 57123) to turn off the lock. [For Manager, Operator only]
Reference	• 2.10.3 Denying Other People the Possibility of Seeing Your Call Log (Incoming Call Log Lock) [KX-T7433, KX-T7436, KX-T7230, KX-T7235 only] (U/M)
Parameter	57 Timed Reminder, Remote
Default	7*
Value Range	1-4 digits consisting of 0-9, *, or #
Description/Function	Specifies the feature number for setting / cancelling Timed Reminder, Remote feature. [For Manager, Operator only]
Reference	• 3.1.1 Setting the Alarm for Other Extensions (Remote Timed Reminder (Wake-Up Call)) (U/M) • 1.8 Ringing Features (F/G) – Timed Reminder, Remote (Wake-Up Call)

Parameter	58 Login / Logout
Default	45
Value Range	1-4 digits consisting of 0-9, *, or #
Description/Function	Specifies the feature number for Log-in / Log-out to / from the members of an Extension Group and Phantom Extensions.
Reference	• 2.5.5 Leaving a Group (Log-In/Log-Out) (U/M)
Parameter	59 Automatic Callback Busy Cancel
Default	46
Value Range	1-4 digits consisting of 0-9, *, or #
Description/Function	Specifies the feature number for cancelling Automatic Callback Busy feature.
Reference	• 2.2.4 When the Dialed Line is Busy or There is No Answer (U/M)
Parameter	60 Walking COS
Default	47
Value Range	1-4 digits consisting of 0-9, *, or #
Description/Function	Specifies the feature number for setting / cancelling Walking COS feature.
Reference	• 2.2.5 Calling without Restrictions (U/M)
Parameter	61 MODEM Control
Default	791
Value Range	1-4 digits consisting of 0-9, *, or #
Description/Function	Specifies the feature number for External Modem Control. An external modem can be connected to RS-232C port 1.
Reference	• 2.11.1 Controlling the External Modem (External Modem Control) (U/M)

Parameter	62 MCID
Default	737
Value Range	1-4 digits consisting of 0-9, *, or #
Description/Function	Specifies the feature number for turning on / off the MCID (Malicious Call Identification) feature.
Reference	• 2.7.15 Identifying Malicious Callers (Malicious Call Identification [MCID]) (U/M)
Parameter	63-70 Quick dial 1 - Quick dial 8
Default	Blank
Value Range	1-4 digits consisting of 0-9, *, or #
Description/Function	Specifies the feature number for Quick dial features.
Reference	• 2.2.2 Easy Dialling (U/M)
Parameter	71 Reserved (Reserved for future use.)
Default	Blank
Value Range	
Description/Function	
Reference	
Parameter	72 Remote DND
Default	722
Value Range	1-4 digits consisting of 0-9, *, or #
Description/Function	Specifies the feature number for setting / cancelling the DND (Do Not Disturb) feature for other extensions. [For Manager, Operator only]
Reference	• 3.1.2 Setting or Cancelling the DND Feature to Other Extensions (Remote DND Control) (U/M)

Parameter	73 Remote FWD Cancel-Once
Default	723
Value Range	1-4 digits consisting of 0-9, *, or #
Description/Function	With this feature number, the Manager or the Operators can reach an extension that has set Call Forwarding. It is one time ("once") cancellation, not a permanent cancellation of Call Forwarding on the destination. [For Manager, Operator only]
Reference	• 3.1.3 Calling the Extension that has set Call Forwarding (Remote FWD Cancel—Once) (U/M)

Parameter	74 Trunk Route Control
Default	724
Value Range	1-4 digits consisting of 0-9, *, or #
Description/Function	Specifies the feature number for Trunk Route Control. [For Manager, Operator only]
Reference	• 3.2.4 Trunk Route Control (U/M)

Parameter	75 UCD Monitor Mode
Default	725
Value Range	1-4 digits consisting of 0-9, *, or #
Description/Function	Specifies the feature number for UCD Monitor mode. One supervisor can be assigned per UCD Group. The supervisor can monitor the number of calls in the waiting queue.
Reference	• 2.11.3 Monitoring the Number of UCD Calls Waiting to be Answered (UCD Monitor Mode) (U/M)

Parameter	76 TIE Line Access
Default	77
Value Range	1-4 digits consisting of 0-9, *, or #
Description/Function	Specifies the feature number for making a TIE line call.
Reference	• 3.1 TIE Line Features (F/G) – TIE Line Service

Parameter	77-92 Other PBX 01 - Other PBX 16
Default	Blank
Value Range	1-2 digits consisting of 0-9
Description/Function	Specifies the leading 1 or 2 digits of the other PBX extension numbers. If you employ PBX code method for TIE calls, this programming is not required.
Reference	• 3.1 TIE Line Features (F/G) – TIE Line Service • 9.2 Number Transformation (P/G)

Parameter	93 Paging Deny Set / Cancel
Default	721
Value Range	1-4 digits consisting of 0-9, *, or #
Description/Function	Specifies the feature number for setting / cancelling Paging Deny feature.
Reference	• 2.7.4 Denying the Paged Announcement (Paging—Deny) (U/M)

Parameter	94 Trunk Busy-out
Default	726
Value Range	1-4 digits consisting of 0-9, *, or #
Description/Function	Specifies the feature number for Trunk Busy-out feature. [For Manager, Operator only]
Reference	• 3.2.3 Trunk Busy-out Setting (U/M)

Parameter	95 Walking Station
Default	727
Value Range	1-4 digits consisting of 0-9, *, or #
Description/Function	Specifies the feature number for Walking Station feature.
Reference	• 2.9.1 Using the Same Extension Number and the Setting of Your Previous Extension (Walking Station) (U/M)

Parameter	96 CLIP / COLP
Default	711
Value Range	1-4 digits consisting of 0-9, * or #
Description/Function	Specifies the feature number for selecting a CLIP / COLP (Calling / Connected Line Identification Presentation) number for an outside line or an extension.
Reference	• 2.7.5 Displaying Your Number on the Called Party and Calling Party's Telephone (Calling/Connected Line Identification Presentation [CLIP/COLP]) (U/M)
Parameter	97 CLIR
Default	59
Value Range	1-4 digits consisting of 0-9, * or #
Description/Function	Specifies the feature number for turning on / off the CLIR (Calling Line Identification Restriction) feature.
Reference	• 2.7.6 Preventing Your Number Being Displayed on the Called Party's Telephone (Calling Line Identification Restriction [CLIR]) (U/M)
Parameter	98 COLR
Default	58
Value Range	1-4 digits consisting of 0-9, * or #
Description/Function	Specifies the feature number for turning on / off the COLR (Connected Line Identification Restriction) feature.
Reference	• 2.7.7 Preventing Your Number Being Displayed on the Called Party's Telephone (Connected Line Identification Restriction [COLR]) (U/M)
Parameter	99 Dial Information (CTI)
Default	Blank
Value Range	1-4 digits consisting of 0-9, * or #
Description/Function	Specifies the feature number for sending digits to the CTI application (usually running on a PC connected to the PBX).
Reference	• 2.8.4 If CTI Service is Used (U/M)

Parameter	100 COS Primary
Default	792
Value Range	1-4 digits consisting of 0-9, *, or #
Description/Function	Specifies the feature number for setting the COS Primary.
Reference	• 3.1.5 Changing Service Level of Extensions (Switching COS) (U/M)
Parameter	101 COS Secondary
Default	793
Value Range	1-4 digits consisting of 0-9, *, or #
Description/Function	Specifies the feature number for setting the COS Secondary.
Reference	• 3.1.5 Changing Service Level of Extensions (Switching COS) (U/M)
Parameter	102 Room Status Ready
Default	763
Value Range	1-4 digits consisting of 0-9, *, or #
Description/Function	Specifies the feature number for changing the room status.
Reference	• 3.2.6 Hotel Use Features (Hotel Application) [KX-T7436, KX-T7235 only] (U/M) • 1.3 System Features (F/G) – Hotel Application
Parameter	103 Group Login / Logout
Default	48
Value Range	1-4 digits consisting of 0-9, *, or #
Description/Function	Specifies the feature number for Group Log-in / Log-out to/from the members of an Incoming Group.
Reference	• 2.5.5 Leaving a Group (Log-In/Log-Out) (U/M)

<i>Parameter</i>	104 Group FWD
<i>Default</i>	714
<i>Value Range</i>	1-4 digits consisting of 0-9, *, or #
<i>Description/Function</i>	Specifies the feature number for setting/cancelling the Call Forwarding feature from one Incoming Group to another Incoming Group or Extension Group.
<i>Reference</i>	• 1.11 Transferring Features (F/G) – Call Forwarding—All Calls to an Incoming Group • 2.11.6 Forwarding All Calls to an Incoming Group (Call Forwarding) (U/M)
<i>Parameter</i>	105 Print out Room Service
<i>Default</i>	715
<i>Value Range</i>	1-4 digits consisting of 0-9, *, or #
<i>Description/Function</i>	Specifies the feature number for Room Service Information which will be printed out by SMDR.
<i>Reference</i>	• 1.3 System Features (F/G) – Hotel Application • 3.2.6 Hotel Use Features (Hotel Application) [KX-T7436, KX-T7235 only] (U/M)
<i>Parameter</i>	106-120 Reserved (Reserved for future use.)
<i>Default</i>	Blank
<i>Value Range</i>	
<i>Description/Function</i>	
<i>Reference</i>	

2.4 Class of Service (COS)

2.4.1 Class of Service (COS) 1/2

Used to assign the Class of Service (COS) parameters.

<i>Parameter</i>	<i>COS No.</i>
Default	1
Value Range	1-96
Description/Function	Specifies the COS (1-96) which you are going to programme.
Reference	• 1.3 System Features (F/G) – Class of Service (COS) • 4.3 Extension Line (P/G)

<i>Parameter</i>	<i>Trunk Group Setting</i>
Default	—
Value Range	—
Description/Function	You can enter into "Trunk Group Setting" screen (Section 2.4.2) by clicking [Trunk Group Setting] button on this screen.
Reference	None

<i>Parameter</i>	TRS Level – Day / Night
<i>Default</i>	1
<i>Value Range</i>	1-8
<i>Description/Function</i>	Specifies the Toll Restriction level (1-8) for each COS number in Day / Night mode respectively.
<i>Reference</i>	• 1.6 Originating Features (F/G) – Toll Restriction

<i>Parameter</i>	Account Code Mode
<i>Default</i>	Optional
<i>Value Range</i>	1. Optional 2. Verify-Toll 3. Verify-All
<i>Description/Function</i>	Specifies one of the following three Account Code Entry modes. 1. <i>Option mode</i> An extension user can enter any account code if needed. 2. <i>Verified-Toll Restriction Override mode</i> An extension user can enter a pre-assigned account code to override toll restriction. 3. <i>Verified-All Calls mode</i> An extension user must always enter a pre-assigned account code when making any of the following outside calls unless it has previously been stored in memory. • Last Number Redial • Saved Number Redial <PT only> • System Speed Dialling • One-Touch Dialling <PT only> • Station Speed Dialling • Trunk Access (Manual Dialling)
<i>Reference</i>	• 1.3 System Features (F/G) – Account Code Entry • 2.2.5 Calling without Restrictions (U/M)

<i>Parameter</i>	Switching Day / Night Mode
<i>Default</i>	Disable
<i>Value Range</i>	1. Enable 2. Disable
<i>Description/Function</i>	Enables or disables switching the Day / Night / Lunch / Break service on a Class of Service (COS) basis.
<i>Reference</i>	• 1.3 System Features (F/G) – Night Service • 2.11.4 Switching the Day/Night Service (U/M)

<i>Parameter</i>	Call from TRS Level 7 Extension
<i>Default</i>	Enable
<i>Value Range</i>	1. Enable 2. Disable
<i>Description/Function</i>	If set to "Enable," TRS level 7 extension users can call the extensions with this COS level.
<i>Reference</i>	• 1.6 Originating Features (F/G) – Toll Restriction

<i>Parameter</i>	Time Limit of Outside Calls
<i>Default</i>	No
<i>Value Range</i>	1. Yes 2. No
<i>Description/Function</i>	Specifies whether to restrict the duration of outside calls or not.

Notes

- If set to "Yes," the system disconnects a CO call originated or answered by the programmed extension user when the time specified by "Extension-to-CO Line Call Duration Time (1-64 min)" in Section "2.5 System Timer" expires.
- This setting may apply to "Outgoing CO call only" or "Both incoming and outgoing CO calls" depending on "5. Limited call duration" setting in Section "2.8 System Option."

<i>Reference</i>	None
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<i>Parameter</i>	Transfer to CO
<i>Default</i>	Disable
<i>Value Range</i>	1. Enable 2. Disable
<i>Description/Function</i>	Enables or disables "Call Transfer to Trunk" feature.
<i>Reference</i>	• 2.4.3 Transferring a Call (U/M)

<i>Parameter</i>	Call FWD to CO/TIE
<i>Default</i>	Disable
<i>Value Range</i>	1. Enable 2. Disable
<i>Description/Function</i>	Enables or disables "Call Forwarding to Trunk" feature.
<i>Reference</i>	• 2.5.1 Forwarding Your Calls (Call Forwarding) (U/M)

<i>Parameter</i>	Off-Hook Call Announcement (OHCA)
<i>Default</i>	Enable
<i>Value Range</i>	1. Enable 2. Disable
<i>Description/Function</i>	Specifies whether to utilise OHCA / Whisper OHCA feature or not.

Note

- This setting is valid at the following PT extensions:
[OHCA]
When the called extension is using the KX-T7130, KX-T7235, KX-T7436 or KX-T7536
[Whisper OHCA]
When both calling and called extensions are using one of the KX-T7400 series PTs (except KX-T7451) or KX-T7500 series PTs

<i>Reference</i>	• 1.6 Originating Features (F/G) – Off-Hook Call Announcement (OHCA) – Off-Hook Call Announcement (OHCA), Whisper • 2.7.3 Receiving a Call Waiting (Call Waiting/Off-Hook Call Announcement [OHCA]/Whisper OHCA) (U/M)
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<i>Parameter</i>	Call FWD Follow Me
<i>Default</i>	Enable
<i>Value Range</i>	1. Enable 2. Disable
<i>Description/Function</i>	Enables or disables "Call Forwarding - Follow Me" feature.
<i>Reference</i>	• 2.5.1 Forwarding Your Calls (Call Forwarding) (U/M)

<i>Parameter</i>	Busy Override
<i>Default</i>	Disable
<i>Value Range</i>	1. Enable 2. Disable
<i>Description/Function</i>	Enables or disables "Executive Busy Override" feature.
<i>Reference</i>	• 2.2.4 When the Dialed Line is Busy or There is No Answer (U/M)

<i>Parameter</i>	DND Override
<i>Default</i>	Disable
<i>Value Range</i>	1. Enable 2. Disable
<i>Description/Function</i>	Enables or disables "DND Override" feature.
<i>Reference</i>	• 2.2.5 Calling without Restrictions (U/M)

<i>Parameter</i>	Busy Override Deny
<i>Default</i>	Enable
<i>Value Range</i>	1. Enable 2. Disable
<i>Description/Function</i>	Enables or disables "Executive Busy Override Deny" feature.

Note

- Executive Busy Override Deny allows the extension user to prevent Executive Busy Override from being executed by another extension user.

<i>Reference</i>	• 2.7.9 Denying Other People the Possibility of Joining Your Conversation (Executive Busy Override Deny) (U/M)
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<i>Parameter</i>	Released Link Operation
<i>Default</i>	Disable
<i>Value Range</i>	1. Enable 2. Disable
<i>Description/Function</i>	Used to turn on / off "Released Link Operation" mode of the extension. When Released Link Operation is enabled, an extension user will be automatically released from a call (extension, outside) after transferring it to the destination, if the destination extension is idle. This feature simplifies the transfer operation by eliminating the need for going on-hook or pressing the RELEASE button after transferring the call. This feature is convenient for extension users, such as Operators, who handle a large volume of calls.
<i>Reference</i>	• 1.3 System Features (F/G) – Released Link Operation • 2.4.3 Transferring a Call (U/M)

<i>Parameter</i>	Digits Restriction in CO Talk Mode
<i>Default</i>	Unrestricted
<i>Value Range</i>	1. Unrestricted 2. 1-15: the digits to be dialled out.
<i>Description/Function</i>	Specifies the maximum number of digits that can be dialled during a CO call. If the outside party hangs up during a CO call and the extension user tries to dial out while still on the same CO line, the system will disconnect the line at the instant the assigned number of digits are dialled.
	<u>Note</u> • This programme can be added if the CPC Signal Detection is not provided by the Central Office.
<i>Reference</i>	• 1.3 System Features (F/G) – Calling Party Control (CPC) Signal Detection

<i>Parameter</i>	Automatic Hold
<i>Default</i>	Disable
<i>Value Range</i>	1. Enable 2. Disable
<i>Description/Function</i>	Used to turn on / off "Automatic Hold" feature.
<i>Reference</i>	• 1.10 Holding Features (F/G) – Automatic Hold—For Hold – Automatic Hold—For Transfer
<i>Parameter</i>	SDN COS
<i>Default</i>	Own Extension
<i>Value Range</i>	1. Own Extension 2. PDN
<i>Description/Function</i>	This setting is applied when an extension user makes an outside call using an SDN button on his own extension. (Assignable for a DN type PT extension only.) 1. <i>Own Extension</i> COS (TRS level) of his own extension is applied to the call when making an outside call using the SDN button. 2. <i>PDN</i> COS (TRS level) of the owner extension is applied to the call when making an outside call using the SDN button.
<i>Reference</i>	• 4.1.2 Customising the Buttons (U/M)
<i>Parameter</i>	Charge Management
<i>Default</i>	Disable
<i>Value Range</i>	1. Enable 2. Disable
<i>Description/Function</i>	Enables or disables the ability of performing "Charge Management" feature.
<i>Reference</i>	• 1.3 System Features (F/G) – Charge Fee Reference • 4.2 Charge Fee Management (Station Programming) (U/M)

<i>Parameter</i>	ISDN CFU / CFB / CFNR
<i>Default</i>	Disable
<i>Value Range</i>	1. Enable 2. Disable
<i>Description/Function</i>	Enables or disables the ability of performing "Call Forwarding by ISDN Line, CFU (Call Forwarding Unconditional) / CFB (Call Forwarding Busy) / CFNR (Call Forwarding No Reply)" feature.
<i>Reference</i>	• 2.5 ISDN Transferring Features (F/G) – Call Forwarding by ISDN Line • 2.5.2 Forwarding Your Calls by ISDN (Call Forwarding by ISDN Provider) (U/M)

2.4.2 Trunk Group Setting

Used to specify the trunk group that the extension user can use for making an outside call.

The following screen is shown on the display by clicking **Trunk Group Setting** button on "Class of Service" screen.

Trunk Group Setting

☒ D01 ☒ D02 ☒ D03 ☒ D04 ☒ D05 ☒ D06 ☒ D07 ☒ D08 ☒ D09 ☒ D10 ☒ D11 ☒ D12
☒ N01 ☒ N02 ☒ N03 ☒ N04 ☒ N05 ☒ N06 ☒ N07 ☒ N08 ☒ N09 ☒ N10 ☒ N11 ☒ N12

☒ D13 ☒ D14 ☒ D15 ☒ D16 ☒ D17 ☒ D18 ☒ D19 ☒ D20 ☒ D21 ☒ D22 ☒ D23 ☒ D24
☒ N13 ☒ N14 ☒ N15 ☒ N16 ☒ N17 ☒ N18 ☒ N19 ☒ N20 ☒ N21 ☒ N22 ☒ N23 ☒ N24

☒ D25 ☒ D26 ☒ D27 ☒ D28 ☒ D29 ☒ D30 ☒ D31 ☒ D32 ☒ D33 ☒ D34 ☒ D35 ☒ D36
☒ N25 ☒ N26 ☒ N27 ☒ N28 ☒ N29 ☒ N30 ☒ N31 ☒ N32 ☒ N33 ☒ N34 ☒ N35 ☒ N36

☒ D37 ☒ D38 ☒ D39 ☒ D40 ☒ D41 ☒ D42 ☒ D43 ☒ D44 ☒ D45 ☒ D46 ☒ D47 ☒ D48
☒ N37 ☒ N38 ☒ N39 ☒ N40 ☒ N41 ☒ N42 ☒ N43 ☒ N44 ☒ N45 ☒ N46 ☒ N47 ☒ N48

D: Day, N: Night, 01-48: Trunk Group No.
☒ Not restricted ☐ Restricted

OK Cancel Help

<i>Parameter</i>	Trunk Group No. 01-48 – Day / Night
<i>Default</i>	All: Check
<i>Value Range</i>	1. No check [Restricted] 2. Check [Not restricted]
<i>Description/Function</i>	Specifies the trunk group (01-48) which the extension user can use for making an outside call in Day / Night mode respectively on a COS basis.
<i>Reference</i>	• 1.3 System Features (F/G) – Trunk Group • 3.2 Trunk Group (P/G)

2.4.3 Class of Service (COS) 2/2

Used to assign the Class of Service (COS) parameters.

The screenshot shows a configuration window titled "2-3 Class of Service 2/2". At the top, there is a "COS No." dropdown menu with the value "1" selected. Below this, there are four sections, each with a title and two radio buttons:

- Secret Busy Override**: ☐ Enable, ☒ Disable
- Transferring CO dial tone (exempted from TRS)**: ☐ Enable, ☒ Disable
- Transfer to TIE**: ☐ Enable, ☒ Disable
- Incoming Group FWD**: A dropdown menu showing "Disable"

At the bottom of the window, there is a dropdown menu showing "2-3 Class of Service 2/2" and four buttons: "OK", "Apply", "Cancel", and "Help".

<i>Parameter</i>	Secret Busy Override
<i>Default</i>	Disable
<i>Value Range</i>	1. Enable 2. Disable
<i>Description/Function</i>	Enables or disables "Secret Busy Override" feature.
<i>Reference</i>	• 1.6 Originating Features (F/G) – Secret Busy Override • 2.11.5 Monitoring the Conversation (Secret Busy Override) (U/M)

<i>Parameter</i>	Transferring CO dial tone (exempted from TRS)
<i>Default</i>	Enable
<i>Value Range</i>	1. Enable 2. Disable
<i>Description/Function</i>	Allows you to transfer a CO dial tone to another extension so that it can make an outgoing call without TRS.
<i>Reference</i>	• 1.6 Originating Features (F/G) – Toll Restriction

<i>Parameter</i>	Transfer to TIE
<i>Default</i>	Disable
<i>Value Range</i>	1. Enable 2. Disable
<i>Description/Function</i>	Enables or disables "Call Transfer to TIE line" feature.
<i>Reference</i>	• 1.11 Transferring Features (F/G) – Call Transfer • 2.4.3 Transferring a Call (U/M)

<i>Parameter</i>	Incoming Group FWD
<i>Default</i>	Disable
<i>Value Range</i>	1. Disable 2. Own Group(s) 3. Any Group
<i>Description/Function</i>	Enables or disables setting "Incoming Group FWD" feature. The extension allowed by this setting can set Call Forwarding feature to an Incoming Group so that all calls to the Incoming Group can be forwarded to specified Incoming Group or Extension Group. 1. <i>Disable</i> Disables this feature. 2. <i>Own Group(s)</i> Enables forwarding all calls to other Incoming Groups or Extension Groups. Only its own group(s) can be set as the Call Forwarding setting extension. 3. <i>Any Group</i> Enables forwarding all calls to other Incoming Groups or Extension Groups. Any group can be set as the Call Forwarding setting extension.
<i>Reference</i>	• 1.11 Transferring Features (F/G) – Call Forwarding—All Calls to an Incoming Group • 2.11.6 Forwarding All Calls to an Incoming Group (Call Forwarding) (U/M)

2.5 System Timer

2.5.1 System Timer 1/2

Used to assign various system timers.

<i>Parameter</i>	Hold Recall Time
<i>Default</i>	60 s
<i>Value Range</i>	0-240 s
<i>Description/Function</i>	Specifies the length of time in seconds that the system is to wait before alerting the extension user who held the call by Held Call Reminder ringing. The reminder tone is emitted every 5 seconds until the held call is retrieved, or until the caller hangs up.
	Note
	If "0" is specified, Hold Recall does not occur.
<i>Reference</i>	1.13 Audible Tone Features (F/G) – Hold Recall

<i>Parameter</i>	Transfer Recall Time
<i>Default</i>	12 rings
<i>Value Range</i>	0-48 rings
<i>Description/Function</i>	Specifies the number of rings before transfer recall occurs. If a transferred call is not answered before the programmed number of rings, the call returns to the extension user who originally transferred it or an Operator depending on the setting of "6. Transfer recall destination" in Section "2.8 System Option."
	<u>Note</u> • If "0" is specified, Transfer Recall does not occur.
<i>Reference</i>	None

<i>Parameter</i>	Pickup Dial Waiting Time
<i>Default</i>	1 s
<i>Value Range</i>	0-5 s
<i>Description/Function</i>	Specifies the length of time in seconds that the system is to wait after an extension user goes off-hook for making a call before the system automatically dials the pre-assigned telephone number for Pickup Dialling.
	<u>Note</u> • This waiting time gives the extension user an opportunity to dial another number before automatic dialling is performed.
<i>Reference</i>	• 1.7 Dialling Features (F/G) – Pickup Dialling (Hot Line) • 2.2.2 Easy Dialling (U/M)

<i>Parameter</i>	Call Duration Count Start Time
<i>Default</i>	0 s
<i>Value Range</i>	0-60 s
<i>Description/Function</i>	Specifies the length of time in seconds the system is to wait after sending all dialling digits to the Central Office before starting the call duration count.
	Note The elapsed time of the call duration is shown on a display PT.
<i>Reference</i>	1.3 System Features (F/G) – Station Message Detail Recording (SMDR)

<i>Parameter</i>	First Digit Time
<i>Default</i>	10 s
<i>Value Range</i>	5-120 s
<i>Description/Function</i>	Specifies the maximum time allowed between the start of an outside dial tone and the first digit dialled on an outgoing call.
<i>Reference</i>	None

<i>Parameter</i>	Inter-digit Time
<i>Default</i>	5 s
<i>Value Range</i>	1-30 s
<i>Description/Function</i>	Specifies the maximum time allowed between each digit on an outgoing call.
	Note This timer applies to the call until the Toll Restriction check is completed.
<i>Reference</i>	None

<i>Parameter</i>	Intercept Time
<i>Default</i>	12 rings
<i>Value Range</i>	1-48 rings
<i>Description/Function</i>	Specifies the number of rings the system is to wait before activating IRNA (Intercept Routing No Answer) feature. If an incoming CO call directed to a single extension is not answered within this timer, IRNA redirects the call to another pre-programmed destination.
	Note • Call Forwarding-No Answer Time will override this timer if an extension has enabled Call Forwarding-No Answer.
<i>Reference</i>	• 1.11 Transferring Features (F/G) – Intercept Routing

<i>Parameter</i>	Call Forwarding- No Answer Time
<i>Default</i>	3 rings
<i>Value Range</i>	1-12 rings
<i>Description/Function</i>	Specifies the number of rings before the Call Forwarding No Answer feature is activated. If a call is not answered before the programmed number of rings, the call is redirected to the pre-assigned extension.
	Note • This timer is also used for Intercept Routing. If an incoming DISA call to the Intercept Routing destination is not answered before this timer expires, the call will be disconnected.
<i>Reference</i>	• 1.11 Transferring Features (F/G) – Call Forwarding • 2.5.1 Forwarding Your Calls (Call Forwarding) (U/M) • 4.3 Extension Line (P/G)

<i>Parameter</i>	Extension-to-CO Line Call Duration Time
<i>Default</i>	10 min
<i>Value Range</i>	1-64 min
<i>Description/Function</i>	Specifies the maximum time allowed for a call with an outside party. This time limit can apply to outgoing CO calls only or both outgoing and incoming CO calls. This is determined by "5. Limited call duration" setting in Section "2.8 System Option."
	<u>Note</u> • This timer applies to the extension user who is restricted by "Time Limit of Outside Calls" setting in Section "2.4 Class of Service (COS)."
<i>Reference</i>	None

<i>Parameter</i>	CO-to-CO Line Call Duration Time
<i>Default</i>	10 min
<i>Value Range</i>	1-64 min
<i>Description/Function</i>	Specifies the maximum time allowed for a call between two outside parties (CO-to-CO line call). If this timer expires during a CO-to-CO line call, it will be disconnected.
<i>Reference</i>	• 1.5 Attended Features (F/G) – Direct Inward System Access (DISA) • 1.11 Transferring Features (F/G) – Call Forwarding – Call Transfer • 2.8 System Option (P/G) – TIE-CO/CO-TIE Line Call Duration Restriction

<i>Parameter</i>	Automatic Redial Interval Time
<i>Default</i>	60 s
<i>Value Range</i>	30-1200 s
<i>Description/Function</i>	Specifies the interval time between each Automatic Redial attempt.
<i>Reference</i>	• 1.7 Dialling Features (F/G) – Redial, Automatic

<i>Parameter</i>	Automatic Redial Repeat Times
<i>Default</i>	3 times: [NZ], 10 times: [HK], [SA], 4 times: Others
<i>Value Range</i>	0-30 times
<i>Description/Function</i>	Specifies the number of times Automatic Redial is repeated. Automatic Redialling of the last dialled number, saved number or call log number is done up to the specified number of times.
<i>Reference</i>	• 1.7 Dialling Features (F/G) – Redial

<i>Parameter</i>	Door Opener Time
<i>Default</i>	5 s
<i>Value Range</i>	0-10 s
<i>Description/Function</i>	Specifies the door opening duration.
	Note • The DPH/DPHG card is not available in some countries/ areas.
<i>Reference</i>	• 1.3 System Features (F/G) – Door Opener • 2.8.1 If a Doorphone/Door Opener is Connected (U/M)

2.5.2 System Timer 2/2

Used to assign various system timers.

<i>Parameter</i>	Timed Reminder Ringing Time
Default	30 s
Value Range	30-240 s
Description/Function	Specifies the length of ringing time in seconds of the Timed Reminder alarm.
Reference	• 1.8 Ringing Features (F/G) – Timed Reminder (Wake-Up Call) – Timed Reminder, Remote (Wake-Up Call) • 2.7.1 Setting the Alarm (Timed Reminder (Wake-Up Call)) (U/M) • 3.1.1 Setting the Alarm for Other Extensions (Remote Timed Reminder (Wake-Up Call)) (U/M)

<i>Parameter</i>	Call Parking Recall Time
<i>Default</i>	60 s
<i>Value Range</i>	0-1800 s
<i>Description/Function</i>	Specifies the length of time in seconds the system is to wait before alerting (Call Parking Recall) the extension who parked the call.
	Note • If "0" is specified, Call Parking Recall does not occur.
<i>Reference</i>	• 1.10 Holding Features (F/G) – Call Park • 2.4.1 Holding a Call (U/M)

<i>Parameter</i>	TIE Inter-digit Time
<i>Default</i>	5 s
<i>Value Range</i>	3-30 s
<i>Description/Function</i>	Specifies the maximum time allowed between digits on a TIE call after it was received by the system.
<i>Reference</i>	• 3.1 TIE Line Features (F/G) – TIE Line Service

<i>Parameter</i>	DISA Prolong Time
<i>Default</i>	3 min
<i>Value Range</i>	0-7 min
<i>Description/Function</i>	A CO-to-CO line call duration is initially limited by "CO-to-CO Line Call Duration Time." However, prolonging the CO-to-CO line call duration is possible. To prolong the call duration, the caller should press any dialpad key except *. The amount of prolonging is set by "DISA Prolong Time" (0-7 minutes). (If this is set to zero, then prolonging is disabled.) Depending on "13. DISA prolong operation" setting in Section "2.8 System Option," the call duration can be prolonged 10 times or without limit.
<i>Reference</i>	• 1.5 Attended Features (F/G) – Direct Inward System Access (DISA)

<i>Parameter</i>	DISA Delayed Answer Time
<i>Default</i>	1 ring
<i>Value Range</i>	0-6 rings
<i>Description/Function</i>	Specifies the number of rings the system is to wait after receiving a DISA call before answering it.

Note

- A DISA call is answered after a ringback tone is returned to the caller after the "DISA Delayed Answer Time" expires. The DISA caller can dial while hearing the OGM message.

<i>Reference</i>	• 1.5 Attended Features (F/G) – Direct Inward System Access (DISA)
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<i>Parameter</i>	Timed Reminder Arrive Count
<i>Default</i>	3 times
<i>Value Range</i>	1-5 times
<i>Description/Function</i>	Specifies the number of times (1-5) Timed Reminder/Remote Timed Reminder (Wake-Up Call) is repeated until the destination extension answers it.
<i>Reference</i>	• 1.8 Ringing Features (F/G) – Timed Reminder (Wake-Up Call) – Timed Reminder, Remote (Wake-Up Call) • 2.7.1 Setting the Alarm (Timed Reminder (Wake-Up Call)) (U/M) • 3.1.1 Setting the Alarm for Other Extensions (Remote Timed Reminder (Wake-Up Call)) (U/M)

<i>Parameter</i>	DISA Automated Attendant Time
<i>Default</i>	1 s
<i>Value Range</i>	1-5 s
<i>Description/Function</i>	Specifies the length of time in seconds the system is to wait before recognising the first digit as a DISA Automated Attendant number. If this timer expires before the second digit is dialled, the system assumes that the first digit is a DISA built-in auto attendant number.
<i>Reference</i>	• 1.5 Attended Features (F/G) – Direct Inward System Access (DISA)

<i>Parameter</i>	DISA IRNA Time
<i>Default</i>	60 s
<i>Value Range</i>	5-240 s
<i>Description/Function</i>	Specifies the length of time in seconds the system is to wait before activating IRNA (Intercept Routing No Answer) feature for DISA calls. If a DISA call directed to a single extension is not answered within this timer, the system redirects the DISA call to another pre-programmed IRNA destination. Note • Call Forwarding- No Answer Time will override this timer if an extension has enabled Call Forwarding- No Answer.
<i>Reference</i>	• 1.5 Attended Features (F/G) – Direct Inward System Access (DISA)

<i>Parameter</i>	Intercept Timer after OGM
<i>Default</i>	5 s
<i>Value Range</i>	1. 0: Immediately 2. 5: 5 s later
<i>Description/Function</i>	Specifies the length of time in seconds the system is to wait after sending OGM before directing the call to the IRNA destination.
<i>Reference</i>	• 1.5 Attended Features (F/G) – Direct Inward System Access (DISA)

<i>Parameter</i>	Auto Shut-off Time
<i>Default</i>	15 s
<i>Value Range</i>	1. 3 s 2. 15 s
<i>Description/Function</i>	Specifies the length of time in seconds after receiving a disconnect signal during a hands-free conversation with an outside call before the speakerphone is turned off.
<i>Reference</i>	None

<i>Parameter</i>	Timed Reminder Arrive Wait Time
<i>Default</i>	60 s
<i>Value Range</i>	20-240 s
<i>Description/Function</i>	Specifies the interval time between each Timed Reminder/Remote Timed Reminder (Wake-Up Call) attempt.
<i>Reference</i>	• 1.8 Ringing Features (F/G) – Timed Reminder (Wake-Up Call) – Timed Reminder, Remote (Wake-Up Call) • 2.7.1 Setting the Alarm (Timed Reminder (Wake-Up Call)) (U/M) • 3.1.1 Setting the Alarm for Other Extensions (Remote Timed Reminder (Wake-Up Call)) (U/M)

2.6 Local Hunt Sequence

Specifies the trunk group hunt sequence to be used when an extension user attempts to make an outside call by dialling the feature number for "Local CO Line Access / ARS" or by pressing a Loop-CO key.

Hunting Order	Trunk Group No.
01	1
02	None
03	None
04	None
05	None
06	None
07	None
08	None
09	None
10	None
11	None
12	None
13	None
14	None
15	None
16	None
17	None
18	None
19	None
20	None
21	None
22	None
23	None
24	None
25	None
26	None
27	None
28	None
29	None
30	None
31	None
32	None
33	None
34	None
35	None
36	None
37	None
38	None
39	None
40	None
41	None
42	None
43	None
44	None
45	None
46	None
47	None
48	None

<i>Parameter</i>	<i>Trunk Group No.</i>
Default	01: 1, Others: None
Value Range	None, 1-48
Description/Function	Specifies the trunk group (1-48) in hunting order.
Notes - Local Hunt Sequence works only when ARS (Automatic Route Selection) mode is turned off. - The sequence can be used by any extension user in the system regardless of the tenant but trunk groups will be skipped if they do not belong to the same tenant as the extension user.	
Reference	1.6 Originating Features (F/G) – Trunk Access 2.2.1 Basic Calling (U/M)

2.7 Trunk to Trunk Restriction

Used to allow or restrict the trunk-to-trunk relay function (routing a trunk call from one Trunk Group to another) on a trunk group basis.

Please refer to "TIE Line Network—Alternate Routing" of Section "3.1 TIE Line Features" in the Features Guide for further information.

<i>Parameter</i>	Source Trunk Group No.
Default	1
Value Range	1-48
Description/Function	Specifies the source trunk group (1-48), the first point of trunk-to-trunk relay, which you are going to programme.
Reference	• 3.1 TIE Line Features (F/G) – TIE Line Service

<i>Parameter</i>	Destination Trunk Group No. (1-48)
Default	No check
Value Range	1. No check [Restricted] 2. Check [Not restricted]
Description/Function	Specifies the destination trunk group (1-48), the second point of trunk-to-trunk relay, which you allow to accept a trunk call from the source trunk group.
Reference	• 3.1 TIE Line Features (F/G) – TIE Line Service

2.8 System Option

2.8.1 System Option 1

Used to assign system option parameters (No.1 — No.10).

<i>Parameter</i>	1. Sound source during transfer
<i>Default</i>	Music on Hold
<i>Value Range</i>	1. Ringback Tone 2. Music on Hold
<i>Description/Function</i>	Used to determine whether the system sends "Music on Hold" or "Ringback Tone" to the party being transferred. "Ringback Tone" is available when Music on Hold is not provided by the system.
<i>Reference</i>	• 1.11 Transferring Features (F/G) – Call Transfer • 2.4.3 Transferring a Call (U/M)

<i>Parameter</i>	2. SLT On-hook with consulting held call
<i>Default</i>	Consulting Hold
<i>Value Range</i>	1. Consulting Hold 2. Disconnect
<i>Description/Function</i>	Specifies the result of pressing the switchhook lightly and then replacing the handset during an outside call. This setting applies to SLT users only.
<i>Reference</i>	• 1.10 Holding Features (F/G) – Consultation Hold

<i>Parameter</i>	3. FLASH button operation while CO talking
<i>Default</i>	Release the trunk
<i>Value Range</i>	1. Release the trunk 2. Don't release the trunk
<i>Description/Function</i>	Specifies the result of pressing the FLASH/RCL button on PT during an outside call.
<i>Reference</i>	• 1.12 Conversation Features (F/G) – External Feature Access

<i>Parameter</i>	4. FLASH button operation when "Don't release the trunk" is selected at #3
<i>Default</i>	Disconnect and hear CO dial tone
<i>Value Range</i>	1. Disconnect and hear CO dial tone 2. Sending EFA signal
<i>Description/Function</i>	Specifies the result of pressing the FLASH/RCL button on PT during an outside call when "Don't release the trunk" is selected in "3. FLASH button operation while CO talking."
<i>Reference</i>	• 1.12 Conversation Features (F/G) – External Feature Access

<i>Parameter</i>	5. Limited call duration
<i>Default</i>	Both calls
<i>Value Range</i>	1. Outgoing call only 2. Both calls
<i>Description/Function</i>	Limited call duration is a system programmable feature that disconnects an outside call when a specified timer expires. A warning tone is sent to the extension user 15 seconds, 10 seconds, and 5 seconds before the time limit. "Both calls" means incoming and outgoing calls. <u>Note</u> • This setting applies to the extension on which "Time Limit of Outside Calls" is enabled by COS programming.
<i>Reference</i>	• 1.3 System Features (F/G) – Limited Call Duration

<i>Parameter</i>	6. Transfer recall destination
<i>Default</i>	Originating extension
<i>Value Range</i>	1. Originating extension 2. Operator
<i>Description/Function</i>	Specifies whether Transfer Recall occurs at the transfer originating extension or at Operator Group extensions, if the call (both inside and outside) transferred to an extension is not answered within a specified period of time.
<i>Reference</i>	• 1.11 Transferring Features (F/G) – Call Transfer

Parameter	7. Checking dial *, # by toll restriction
Default	Check
Value Range	1. No check [Disable] 2. Check [Enable]
Description/Function	Specifies whether or not the system checks the user-dialled "*" and "#" during Toll Restriction procedure.
	Note This assignment is required for certain Central Offices (COs) to prevent toll fraud. Some Central Offices ignore the user-dialled "*" and "#." If your CO is such a type, select "No check."
Reference	1.6 Originating Features (F/G) – Toll Restriction for Special Carrier Access

Parameter	8. Confirmation tone for Override, Barge-in, Conference and Privacy Release
Default	Enable
Value Range	1. Enable 2. Disable
Description/Function	Allows you to remove Confirmation Tone 4. This tone is sent when a three-party conference is established / finished.
Reference	1.13 Audible Tone Features (F/G) – Confirmation Tones

Parameter	9. Confirmation tone for Call Pickup, Paging, Paging-Answer, TAFAS-Answer, Hold Retrieve and Call Park Retrieve
Default	Enable
Value Range	1. Enable 2. Disable
Description/Function	Allows you to remove Confirmation Tone 3. This tone is sent when a conversation is established just after an extension user dials the feature number for accessing the following features: Call Pickup, Paging, Paging – Answer, TAFAS – Answer, Hold Retrieve and Call Park Retrieve.
Reference	1.13 Audible Tone Features (F/G) – Confirmation Tones

<i>Parameter</i>	10. Station Speed Dialing Initial display
<i>Default</i>	Name
<i>Value Range</i>	1. Name 2. Number
<i>Description/Function</i>	Specifies the initial display of a display DPT, such as KX-T7235 / KX-T7436 / KX-T7536, in Station Speed Dialling.
<i>Reference</i>	• 2.10.4 Using the KX-T7431, KX-T7433, KX-T7436 or KX-T7235 (U/M)

2.8.2 System Option 2

Used to assign system option parameters (No.11 – No.20).

2-7 System Option 2

11. Sending pulse signal during CO call ☒ Enable ☐ Disable	16. Duration starting mode ☒ Answer or Time-out ☐ Answer
12. Automatic adjustment of the clock using Caller ID information ☐ Yes ☒ No	17. Destination Busy - DISA ☐ Send busy tone ☒ Transferred to IRNA destination
13. DISA prolong operation ☒ Limited (10 times) ☐ No limit	18. Destination Busy - DDID/DID ☒ Send busy tone ☐ Transferred to IRNA destination ☐ Wait till the destination becomes idle
14. Dialing "*" in DISA CO-to-CO talking ☐ Disconnect and make a new call ☒ Send out Dial "*"	19. Destination Busy - TIE ☒ Send busy tone ☐ Transferred to IRNA destination
15. Special dial tone after setting feature ☒ Enable ☐ Disable	20. Off-hook Monitor ☒ Enable ☐ Disable

2-7 System Option 2 [v] [OK] [Apply] [Cancel] [Help]

<i>Parameter</i>	11. Sending pulse signal during CO call
<i>Default</i>	Enable
<i>Value Range</i>	1. Enable 2. Disable
<i>Description/Function</i>	Enables or disables sending pulse dialling signals during an outside call.
<i>Reference</i>	None

<i>Parameter</i>	12. Automatic adjustment of the clock using Caller ID information
<i>Default</i>	No
<i>Value Range</i>	1. Yes 2. No
<i>Description/Function</i>	Enables or disables the automatic adjustment of the clock by Caller ID information once a day.
<i>Reference</i>	• 1.5 Attended Features (F/G) – Caller ID Service
<i>Parameter</i>	13. DISA prolong operation
<i>Default</i>	No limit
<i>Value Range</i>	1. Limited (10 times) 2. No limit
<i>Description/Function</i>	Specifies the number of times that the DISA caller can prolong the duration of DISA CO-to-CO line call.
<i>Reference</i>	• 1.5 Attended Features (F/G) – Direct Inward System Access (DISA)
<i>Parameter</i>	14. Dialing "*" in DISA CO-to-CO talking
<i>Default</i>	Disconnect and make a new call
<i>Value Range</i>	1. Disconnect and make a new call 2. Send out Dial "*"
<i>Description/Function</i>	The "*" key can be entered during a DISA CO-to-CO line call. The action taken by the system depends upon this setting. If "Disconnect and make a new call" is selected, then the system will disconnect the current call and prepare for a new call. Otherwise, the * will be transmitted down the line to the other party.
<i>Reference</i>	• 1.5 Attended Features (F/G) – Direct Inward System Access (DISA)

<i>Parameter</i>	15. Special dial tone after setting feature
<i>Default</i>	Enable
<i>Value Range</i>	1. Enable 2. Disable
<i>Description/Function</i>	If enabled, the system notifies the extension user by sending a special dial tone (Dial Tone 2) when one or more of the following features are assigned on his extension. • Absent Message Capability • Background Music (BGM) • Call Forwarding • Call Pickup Deny • Call Waiting • Data Line Security • Do Not Disturb (DND) • Electronic Station Lockout • Executive Busy Override Deny • Paging Deny • Pickup Dialling • Timed Reminder Also enabled is Dial Tone 4 (indicates that messages are waiting). Note • Dial Tone 3 is not affected by this setting.
<i>Reference</i>	• 5.4 What is This Tone? (U/M)

<i>Parameter</i>	16. Duration starting mode
<i>Default</i>	Answer or Time-out
<i>Value Range</i>	1. Answer or Time-out 2. Answer
<i>Description/Function</i>	Specifies the call duration count start timing.
<i>Reference</i>	None

<i>Parameter</i>	17. Destination Busy - DISA
<i>Default</i>	Send busy tone
<i>Value Range</i>	1. Send busy tone 2. Transferred to IRNA destination
<i>Description/Function</i>	Specifies the treatment of DISA callers when they dial a busy extension.
<i>Reference</i>	• 1.5 Attended Features (F/G) – Direct Inward System Access (DISA)

<i>Parameter</i>	18. Destination Busy - DDI / DID
<i>Default</i>	Send busy tone
<i>Value Range</i>	1. Send busy tone 2. Transferred to IRNA destination 3. Wait till the destination becomes idle.
<i>Description/Function</i>	Specifies the treatment of DDI / DID callers when they dial a busy extension.
<i>Reference</i>	• 1.5 Attended Features (F/G) – Direct Inward Dialling (DID) • 2.4 ISDN Attended Features (F/G) – Direct Dialling In (DDI)

<i>Parameter</i>	19. Destination Busy - TIE
<i>Default</i>	Send busy tone
<i>Value Range</i>	1. Send busy tone 2. Transferred to IRNA destination
<i>Description/Function</i>	Specifies the treatment of TIE callers when they dial a busy extension.
<i>Reference</i>	• 3.1 TIE Line Features (F/G) – TIE Line Service

<i>Parameter</i>	20. Off-hook Monitor
<i>Default</i>	Enable
<i>Value Range</i>	1. Enable 2. Disable
<i>Description/Function</i>	Enables or disables "Off-hook Monitor" feature on a system-wide basis. This feature allows a PT user on a handset call to let other people around him monitor the call by pressing the SP-PHONE button. Note This setting applies to the following PT extensions only: KX-T7431, KX-T7433, KX-T7436, KX-T7531, KX-T7533, KX-T7536, KX-T7565.
<i>Reference</i>	1.12 Conversation Features (F/G) – Off-Hook Monitor 2.4.8 Letting Other People Listen to the Conversation (Off-Hook Monitor) [KX-T7431, KX-T7433, KX-T7436 and KX-T7565 only] (U/M)

2.8.3 System Option 3

Used to assign system option parameters (No.21 — No.30).

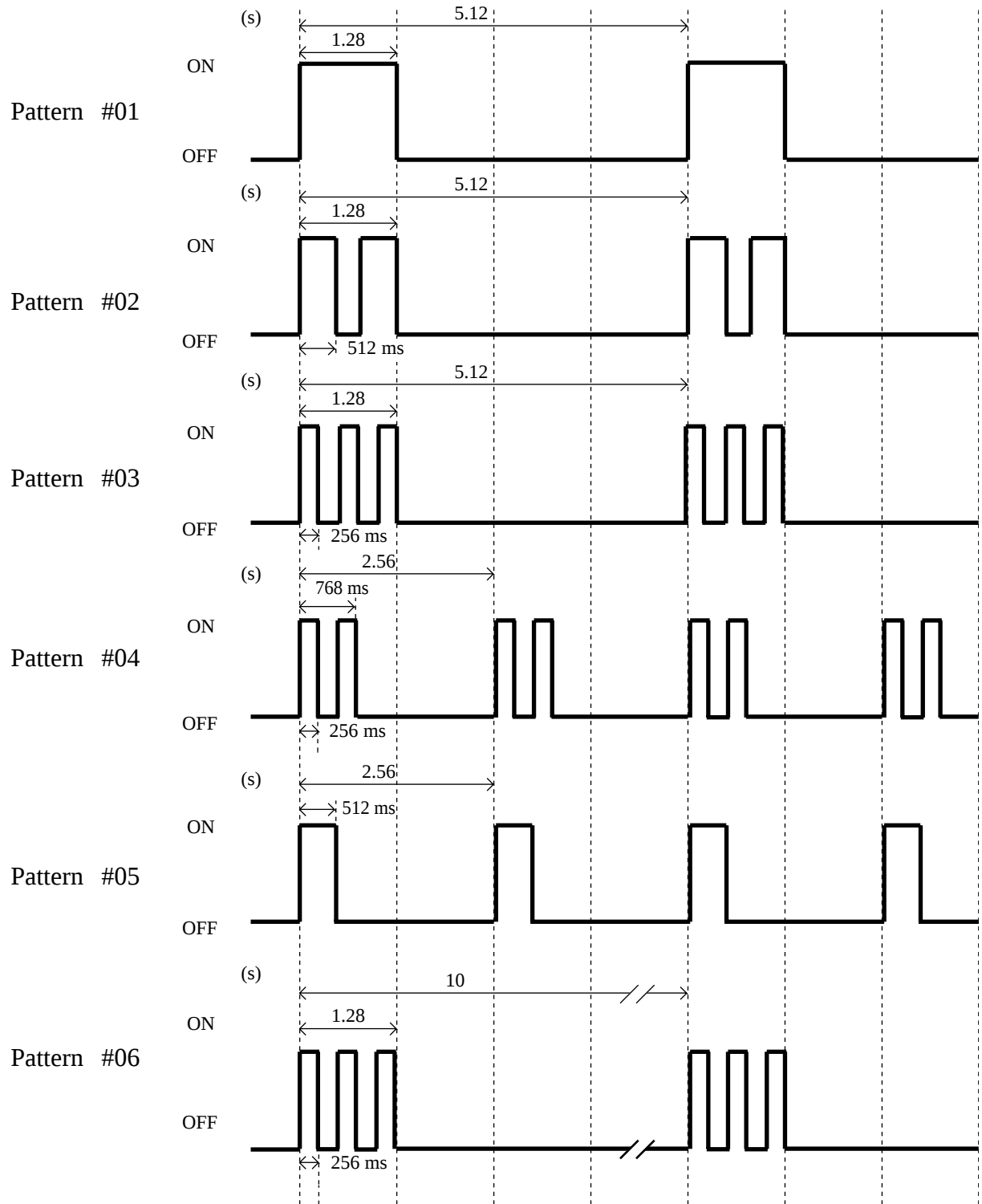
The screenshot shows the '2-7 System Option 3' configuration window. It contains the following settings:

- 21. Illegal Number - DISA**: ☒ Send reorder tone, ☐ Transferred to IRNA destination
- 22. Illegal Number - DDI/DID**: ☒ Send reorder tone, ☐ Transferred to IRNA destination
- 23. Illegal Number - TIE**: ☒ Send reorder tone, ☐ Transferred to IRNA destination
- 24. Sending dial tone to TIE trunk**: ☐ Enable, ☒ Disable
- 25. Pressing DSS key operation in CO talking**: ☐ Disconnect, ☒ Hold
- 26. Pressing CO/DN/Answer key operation in talking**: ☐ Disconnect, ☒ Hold
- 27. Message Waiting lamp pattern**: 11 (dropdown)
- 28. Trunk hunting mode**: ☒ Forced, ☐ Loop Detection
- 29. Card CODEC**: ☒ Mu Law, ☐ A Law
- 30. Net CODEC**: ☐ Mu Law, ☒ A Law

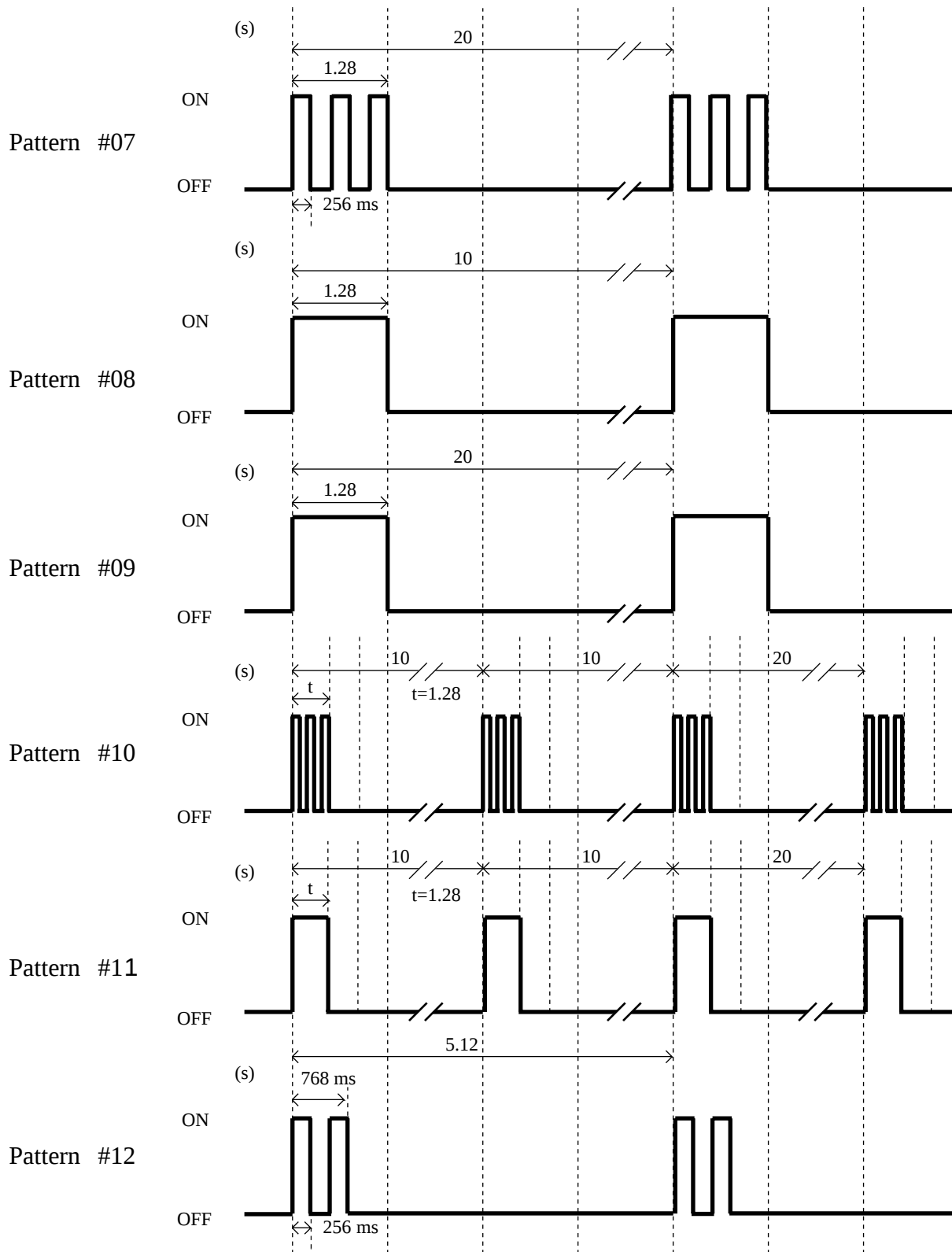
At the bottom, there is a dropdown menu set to '2-7 System Option 3' and buttons for 'OK', 'Apply', 'Cancel', and 'Help'.

Message Waiting lamp patterns (1/2)

The available message waiting lamp patterns are as follows:



Message Waiting lamp patterns (2/2)



<i>Parameter</i>	21. Illegal Number - DISA
<i>Default</i>	Send reorder tone
<i>Value Range</i>	1. Send reorder tone 2. Transferred to IRNA destination
<i>Description/Function</i>	Specifies the treatment of the invalid DISA calls.
<i>Reference</i>	• 1.5 Attended Features (F/G) – Direct Inward System Access (DISA)
<i>Parameter</i>	22. Illegal Number - DDI / DID
<i>Default</i>	Send reorder tone
<i>Value Range</i>	1. Send reorder tone 2. Transferred to IRNA destination
<i>Description/Function</i>	Specifies the treatment of the invalid DDI / DID calls.
<i>Reference</i>	• 1.5 Attended Features (F/G) – Direct Inward Dialling (DID) • 2.4 ISDN Attended Features (F/G) – Direct Dialling In (DDI)
<i>Parameter</i>	23. Illegal Number - TIE
<i>Default</i>	Send reorder tone
<i>Value Range</i>	1. Send reorder tone 2. Transferred to IRNA destination
<i>Description/Function</i>	Specifies the treatment of the invalid TIE calls.
<i>Reference</i>	• 3.1 TIE Line Features (F/G) – TIE Line Service
<i>Parameter</i>	24. Sending dial tone to TIE trunk
<i>Default</i>	Disable
<i>Value Range</i>	1. Enable 2. Disable
<i>Description/Function</i>	Specifies whether or not the system sends a dial tone to a TIE caller after recognising an incoming TIE call.
<i>Reference</i>	• 3.1 TIE Line Features (F/G) – TIE Line Service

<i>Parameter</i>	25. Pressing DSS key operation in CO talking
<i>Default</i>	Hold
<i>Value Range</i>	1. Disconnect 2. Hold
<i>Description/Function</i>	If set to "Hold," the PT user engaged in a CO call can transfer the current call to another extension simply by pressing the DSS button associated with the destination extension.
<i>Reference</i>	• 1.11 Transferring Features (F/G) – One-Touch Transfer
<i>Parameter</i>	26. Pressing CO/DN/Answer key operation in talking
<i>Default</i>	Hold
<i>Value Range</i>	1. Disconnect 2. Hold
<i>Description/Function</i>	If set to "Hold," the PT user engaged in a call can, with a single operation (press a CO/DN/Answer key), hold the current call and then either get another line or answer another call.
<i>Reference</i>	• 1.10 Holding Features (F/G) – Automatic Hold—For Hold
<i>Parameter</i>	27. Message Waiting lamp pattern
<i>Default</i>	#11
<i>Value Range</i>	#01-#12
<i>Description/Function</i>	Specifies a light pattern of the Message Lamp of an SLT.
	<u>Note</u>
	• Message Waiting lamp pattern list is provided on Page 101 and Page 102.
<i>Reference</i>	• 1.17 Display Features (F/G) – Message Waiting • 2.2.4 When the Dialed Line is Busy or There is No Answer (U/M)

Parameter	28. Trunk hunting mode
Default	Forced
Value Range	1. Forced 2. Loop Detection
Description/Function	Specifies the trunk hunting mode. 1. <i>Forced</i> The system seizes a trunk line whether or not loop current is detected from the local CO. 2. <i>Loop Detection</i> The system seizes a trunk line after detecting loop current from the local CO.
Reference	• 3.2 Trunk Group (P/G)

Parameter	29. Card CODEC
Default	Mu Law
Value Range	1. Mu Law 2. A Law
Description/Function	Specifies the PCM (Pulse Code Modulation) conversion mode of KX-T96xxx series trunk and extension cards.
	Note • This setting is required only when XMX (for Mexico) type KX-T96xxx series trunk and extension cards are installed in the system. In this case, select "A Law."
Reference	None

Parameter	30. Net CODEC
Default	Mu Law: [HK], A Law: Others
Value Range	1. Mu Law 2. A Law
Description/Function	Specifies the type of PCM (Pulse Code Modulation) conversion mode compatible with the Digital Network to which the system is connected.
	Note • The change of this parameter is activated after resetting the system.
Reference	None

2.8.4 System Option 4

Used to assign system option parameters (No.31 – No.49).

2-7 System Option 4

31. Answering Call Waiting call by SLT hooking
☐ Enable ☒ Disable

32. Whisper OHCA to extensions other than T74/T75XX
☐ Enable ☒ Disable

33. FWD / DND lamp pattern
 FWD:Flash, DND:On

34. ELCOT/LCOT Busy-out Loop Relay
 OFF

35. GCOT Busy-out Loop Relay
 OFF-RING-OPEN

36. Tone Mode
 Type-1

37. Ring Mode
 Type-1

38. First Digit Time-out Process
 Don't release the trunk

39. Extension CPC Signal
 None

40. TSW Tone Selection
 TONE-C

41. Fixed Feature Number
☒ Type-1 ☐ Type-2

42. DPT Ringer OFF
☒ Enable ☐ Disable

43. LCD Time Display Mode
☒ 12h ☐ 24h

44. Hotel Application
☐ Enable ☒ Disable

45. Flash Signal before CO Disconnect
☐ Enable ☒ Disable

46. Date Display
 M/D/Y

47. Tone Type for Outgoing Calls
 Busy+Reorder

48. Call Pickup with DSS S-CO key
☐ Enable ☒ Disable

49. LCD Display Mode while CO talking
☒ Caller ID ☐ Duration

2-7 System Option 4

OK Apply Cancel Help

Parameter	31. Answering Call Waiting call by SLT hooking
Default	Disable
Value Range	1. Enable 2. Disable
Description/Function	If enabled, an SLT user can answer a call waiting call simply by flashing the switchhook.
Reference	1.9 Answering Features (F/G) – Call Waiting

Parameter	32. Whisper OHCA to extensions other than T74 / 75XX
Default	Disable
Value Range	1. Enable 2. Disable
Description/Function	If enabled, an extension user can make a Whisper OHCA call to extensions other than KX-T7400 series PTs (except KX-T7451) and KX-T7500 series PTs.
Reference	1.6 Originating Features (F/G) – Off-Hook Call Announcement (OHCA), Whisper 2.7.3 Receiving a Call Waiting (Call Waiting/Off-Hook Call Announcement [OHCA]/Whisper OHCA) (U/M)

<i>Parameter</i>	33. FWD / DND lamp pattern
<i>Default</i>	FWD: Flash, DND: On
<i>Value Range</i>	1. FWD: Flash, DND: On 2. FWD: On, DND: Flash
<i>Description/Function</i>	Specifies the lamp patterns of the FWD / DND button.
<i>Reference</i>	• 1.8 Ringing Features (F/G) – Do Not Disturb (DND) • 1.11 Transferring Features (F/G) – Call Forwarding • 2.5.1 Forwarding Your Calls (Call Forwarding) (U/M) • 2.5.2 Forwarding Your Calls by ISDN (Call Forwarding by ISDN Provider) (U/M)
<i>Parameter</i>	34. ELCOT / LCOT Busy-out Loop Relay
<i>Default</i>	OFF
<i>Value Range</i>	1. ON 2. OFF
<i>Description/Function</i>	When a CO line is busied out manually by the Manager / an Operator, the status of Loop Relay is controlled by this setting.
<i>Reference</i>	• 1.3 System Features (F/G) – Trunk Busy—Out
<i>Parameter</i>	35. GCOT Busy-out Loop Relay
<i>Default</i>	OFF-RING-OPEN
<i>Value Range</i>	1. ON 2. OFF-RING-GND 3. OFF-RING-OPEN
<i>Description/Function</i>	When a CO line is busied out manually by the Manager / an Operator, the status of Loop Relay and Ring-FG are controlled by this setting.
<i>Reference</i>	• 1.3 System Features (F/G) – Trunk Busy—Out

<i>Parameter</i>	36. Tone Mode
<i>Default</i>	Type-3: [SA], Type-4: [HK], Type-1: Others
<i>Value Range</i>	1. Type-1 2. Type-2 3. Type-3 4. Type-4 5. Type-5 6. Type-6 7. Type-7
<i>Description/Function</i>	Specifies the Tone output type.
	Note • The change of this parameter is activated after resetting the system.
<i>Reference</i>	None

<i>Parameter</i>	37. Ring Mode
<i>Default</i>	Type-3: [SA], Type-1: Others
<i>Value Range</i>	1. Type-1 2. Type-2 3. Type-3 4. Type-4 5. Type-5 6. Type-6
<i>Description/Function</i>	Specifies the Ringing Tone type.
	Note • The change of this parameter is activated after resetting the system.
<i>Reference</i>	None

<i>Parameter</i>	38. First Digit Time-out Process
<i>Default</i>	Don't release the trunk
<i>Value Range</i>	1. Release the trunk 2. Don't release the trunk
<i>Description/Function</i>	Specifies the treatment of the trunk line when no digits are dialled before the First Digit timer expires.
<i>Reference</i>	None

<i>Parameter</i>	39. Extension CPC Signal
<i>Default</i>	None
<i>Value Range</i>	None, 16-240 ms in 16 ms increments
<i>Description/Function</i>	Specifies whether or not the system sends the CPC signal to an extension.
<i>Reference</i>	None
<i>Parameter</i>	40. TSW Tone Selection
<i>Default</i>	TONE-A: [SA], TONE-C: Others
<i>Value Range</i>	1. TONE-A 2. TONE-B 3. TONE-C 4. TONE-D
<i>Description/Function</i>	Specifies the tone pattern in the TSW Tone ROM.
<i>Reference</i>	None
<i>Parameter</i>	41. Fixed Feature Number
<i>Default</i>	Type-2: [SA], Type-1: Others
<i>Value Range</i>	1. Type-1 2. Type-2
<i>Description/Function</i>	Specifies a type of Fixed Feature Numbers.
<i>Reference</i>	• 1.3 System Features (F/G) – Flexible Numbering • 5.2 Feature Numbers List (U/M)
<i>Parameter</i>	42. DPT Ringer OFF
<i>Default</i>	Enable
<i>Value Range</i>	1. Enable 2. Disable
<i>Description/Function</i>	Specifies whether the Ringing tone of DPTs (Digital Proprietary Telephones) can be turned off or not.
<i>Reference</i>	None

<i>Parameter</i>	43. LCD Time Display Mode
<i>Default</i>	12h
<i>Value Range</i>	1. 12h 2. 24h
<i>Description/Function</i>	Specifies the time display on the LCD in 12-hour or 24-hour notation.
<i>Reference</i>	• 1.17 Display Features (F/G) – Display, Date and Time
<i>Parameter</i>	44. Hotel Application
<i>Default</i>	Disable
<i>Value Range</i>	1. Enable 2. Disable
<i>Description/Function</i>	If enabled, the Manager and the Operators can handle "Front / Operator services" such as "Check-in / Check-out."
<i>Reference</i>	• 1.3 System Features (F/G) – Hotel Application
<i>Parameter</i>	45. Flash Signal before CO Disconnect
<i>Default</i>	Disable
<i>Value Range</i>	1. Enable 2. Disable
<i>Description/Function</i>	Specifies whether or not the system sends the FLASH signal to the Central Office after the CO call is terminated. (Used to receive pay tones after the termination of the call.)
<i>Reference</i>	None
<i>Parameter</i>	46. Date Display
<i>Default</i>	M / D / Y
<i>Value Range</i>	1. M / D / Y 2. D / M / Y
<i>Description/Function</i>	Specifies a date display format appropriate to your area.
<i>Reference</i>	• 1.17 Display Features (F/G) – Display, Date and Time

<i>Parameter</i>	47. Tone Type for Outgoing Calls
<i>Default</i>	Busy + Reorder
<i>Value Range</i>	1. Busy + Reorder 2. Busy 3. Reorder
<i>Description/Function</i>	Specifies a tone type for outgoing calls.
<i>Reference</i>	None

<i>Parameter</i>	48. Call Pickup with DSS S-CO key
<i>Default</i>	Disable
<i>Value Range</i>	1. Enable 2. Disable
<i>Description/Function</i>	By default, an S-CO button assigned to a DSS button (on a DSS Console) is available for monitoring the call activity only, not available for making / receiving a call. If this parameter is enabled, an S-CO button (on a DSS Console) can be used to answer the incoming CO call on the S-CO button and retrieve the CO call held on the S-CO button.
<i>Reference</i>	• 1.16 Button Features (F/G) – Button, Line Access

<i>Parameter</i>	49. LCD Display Mode while CO talking
<i>Default</i>	Caller ID
<i>Value Range</i>	1. Caller ID 2. Duration
<i>Description/Function</i>	Specifies the initial display, Caller ID or Call Duration, which is shown on the display while CO talking.
<i>Reference</i>	• 1.5 Attended Features (F/G) – Caller ID Service

2.8.5 System Option 5

Used to assign System Option parameters (No. 50 - No. 60).

2-7 System Option 5

50. Dial / Ringback tone frequency ☒ Normal ☐ Distinctive	56. Redial with ISDN ☒ Do not send dials entered during conversation ☐ Send dials entered during conversation
51. Release of BRI / PRI line while on-hold when "DISCONNECT" signal is received ☒ Release ☐ Don't Release	57. VPS Auto Configuration Mode ☒ Create mailboxes only for the tenant which has VPS ports ☐ Create mailboxes of all tenants
52. Sending Mode of CLIP while CLIR is enabled (Q-Sig Line only) ☒ Private Network ☐ Public Network	58. Release of BRI / PRI line while taking when "DISCONNECT" signal is received ☒ Release ☐ Don't Release
53. TIE-CO / CO-TIE Line Call Duration Restriction ☐ Yes ☒ No	59. ARS Call Timeout Mode ☐ Local Access ☒ Disconnect
54. Displaying charge fee on LCD including tax ☐ Yes ☒ No	60. Empty Group ☒ Allow ☐ Disallow
55. Displaying charge fee on LCD including margin ☐ Yes ☒ No	

2-7 System Option 5

OK Apply Cancel Help

Parameter	50. Dial / Ringback tone frequency
Default	Normal
Value Range	- Normal - Distinctive
Description/Function	Specifies the frequency of dial / ringback tone.
Reference	1.13 Audible Tone Features (F/G) - Dial Tones, Distinctive 5.4 What is This Tone? (U/M)

<i>Parameter</i>	51. Release of BRI/PRI line while on-hold when 'DISCONNECT' signal is received
<i>Default</i>	Release
<i>Value Range</i>	1. Release 2. Don't Release
<i>Description/Function</i>	Specifies whether or not the system releases the ISDN BRI / PRI line, when receiving the line disconnection message from the ISDN Network while the line is placed on hold.
<i>Reference</i>	• 2.3 ISDN Answering Features (F/G) – Malicious Call Identification (MCID) • 2.7.15 Identifying Malicious Callers (Malicious Call Identification [MCID]) (U/M) • 2.5 System Timer (P/G) – Auto Shut-off Time
<i>Parameter</i>	52. Sending Mode of CLIP while CLIR is enabled (Q-Sig Line only)
<i>Default</i>	Private Network
<i>Value Range</i>	1. Private Network 2. Public Network
<i>Description/Function</i>	Specifies the treatment of CLIP information when CLIR is set by the extension user. 1. Private Network The system does not send CLIP information to the ISDN Private Network. 2. Public Network The system sends CLIP information, which is not valid, to the ISDN Public Network.
<i>Reference</i>	• 3.3 Network Service Features (F/G) – Calling Line Identification Presentation (CLIP) – Calling Line Identification Restriction (CLIR) • 2.7.5 Displaying Your Number on the Called Party and Calling Party's Telephone (Calling/Connected Line Identification Presentation [CLIP/COLP]) (U/M) • 2.7.6 Preventing Your Number Being Displayed on the Called Party's Telephone (Calling Line Identification Restriction [CLIR]) (U/M)

<i>Parameter</i>	53. TIE-CO/CO-TIE Line Call Duration Restriction
<i>Default</i>	No
<i>Value Range</i>	1. Yes 2. No
<i>Description/Function</i>	This parameter restricts the call duration of "TIE-to-CO and CO-to-TIE" call. If set to "Yes," the system disconnects the call when the system timer "CO-to-CO Line Call Duration Timer" expires.
<i>Reference</i>	• 3.1 TIE Line Features (F/G) – Outside (CO) Line and TIE Line Connection – TIE Line and Outside (CO) Line Connection – TIE Line Service • 2.4.3 Transferring a Call (U/M) • 2.5.1 Forwarding Your Calls (Call Forwarding) (U/M) • 2.4 Class of Service (COS) (P/G) – Time Limit of Outside Calls – Transfer to CO – Transfer to TIE – Call FWD to CO • 2.5 System Timer (P/G) – CO-to-CO Line Call Duration Time

<i>Parameter</i>	54. Displaying charge fee on LCD including tax
<i>Default</i>	No
<i>Value Range</i>	1. Yes 2. No
<i>Description/Function</i>	Switches the charge fee LCD display to include the tax or not. When you select "Yes," it will be displayed on the LCD including the tax that was assigned in "TAX1" in "5-15 Hotel" screen.
<i>Reference</i>	• 5.16 Hotel (P/G) • 1.3 System Features (F/G) – Hotel Application • 3.2.6 Hotel Use Features (Hotel Application) [KX-T7436, KX-T7235 only] (U/M)

<i>Parameter</i>	55. Displaying charge fee on LCD including margin
<i>Default</i>	No
<i>Value Range</i>	1. Yes 2. No
<i>Description/Function</i>	Switches the charge fee LCD display to include the margin or not. When you select "Yes," it will be displayed on the LCD including the margin that was assigned in "Margin" in "5-15 Hotel" screen.
<i>Reference</i>	• 5.16 Hotel (P/G) • 1.3 System Features (F/G) – Hotel Application • 3.2.6 Hotel Use Features (Hotel Application) [KX-T7436, KX-T7235 only] (U/M)

<i>Parameter</i>	56. Redial with ISDN
<i>Default</i>	Send dials entered during conversation
<i>Value Range</i>	1. Do not send dials entered during conversation 2. Send dials entered during conversation
<i>Description/Function</i>	This parameter is available only when redialling using ISDN. This option determines how redialling is done. If "Do not send dials entered during conversation" is selected, DTMF tones entered during a conversation are not redialled. If "Send dials entered during conversation" is selected, DTMF tones entered during a conversation are redialled.
<i>Reference</i>	None

<i>Parameter</i>	57. VPS Auto Configuration Mode
<i>Default</i>	Create mailboxes for only the tenant which has VPS ports
<i>Value Range</i>	1. Create mailboxes for only the tenant which has VPS ports 2. Create mailboxes of all tenants
<i>Description/Function</i>	Selects the auto configuration mode for TVP system.
<i>Reference</i>	• 1.3 System Features (F/G) – Automatic Configuration

Parameter	58. Release of BRI/PRI line while talking when 'DISCONNECT' signal is received
Default	Release: [HK], Don't Release: Others
Value Range	1. Release 2. Don't Release
Description/Function	Specifies whether or not the system releases the ISDN BRI / PRI line, when receiving the line disconnection message from the ISDN Network while the line is in talking.
Reference	• 2.3 ISDN Answering Features (F/G) – Malicious Call Identification (MCID) • 2.7.15 Identifying Malicious Callers (Malicious Call Identification [MCID]) (U/M)
Parameter	59. ARS Call Timeout Mode
Default	Local Access
Value Range	1. Local Access 2. Disconnect
Description/Function	Specifies the outgoing operation mode when the inter-digit timer expires while making an outgoing call with ARS. If you select 'Local Access' and the timer expires, the system will select a CO line on a Local CO Line Access basis and return CO dial tone.
Reference	• 1.6 Originating Features (F/G) – Automatic Route Selection (ARS)
Parameter	60. Empty Group
Default	Allow
Value Range	1. Allow 2. Disallow
Description/Function	Determines whether an Extension Group or an Incoming Group can be empty (All members logged out). If it is set to 'Disallow,' the group cannot be empty. At least one extension must be logged in.
Reference	• 1.3 System Features (F/G) – Extension Group – Incoming Group • 1.8 Ringing Features (F/G) – Log-In/Log-Out • 2.5.5 Leaving a Group (Log-In/Log-Out) (U/M)

2.8.6 System Option 6

Used to assign system option parameters (No.61 – No.65).

<i>Parameter</i>	61. Auto Answer with held call
<i>Default</i>	Disable
<i>Value Range</i>	1. Disable 2. Enable
<i>Description/Function</i>	Specifies whether the PT user automatically answers the intercom call on Consultation Hold or not.
<i>Reference</i>	• 1.9 Answering Features (F/G) – Hands-free Answerback • 2.3.5 Using the ANSWER/RELEASE Button (U/M)
<i>Parameter</i>	62. End of Pulsing (End of Identification) Signal
<i>Default</i>	None
<i>Value Range</i>	1. None 2. 1-15
<i>Description/Function</i>	Specifies the pulse dialling signal after the inter-digit timer expires.
	Note
	• If "None" is specified, the end of pulse dialling signal is not sent to the Central Office.
<i>Reference</i>	None

<i>Parameter</i>	63. Tenant Select Mode for DID / DDI
<i>Default</i>	Trunk Group
<i>Value Range</i>	1. Trunk Group 2. DID / DDI No.
<i>Description/Function</i>	Specifies whether to enable or disable the tenant assigned on a DID / DDI No. basis. If "Trunk Group" is selected, then the tenant no. works for the CO lines belonging to the Trunk Group.
<i>Reference</i>	• 9.2 Number Transformation (P/G)

<i>Parameter</i>	65. Alert Ringing
<i>Default</i>	Disable
<i>Value Range</i>	1. Disable 2. Enable
<i>Description/Function</i>	Specifies whether or not to alert the alert extension when the extension user does not respond to the Timed Reminder (wake-up call).
<i>Reference</i>	• 1.8 Ringing Features (F/G) – Timed Reminder (Wake-Up Call) – Timed Reminder, Remote (Wake-Up Call) • 2.7.1 Setting the Alarm (Timed Reminder (Wake-Up Call)) (U/M) • 3.1.1 Setting the Alarm for Other Extensions (Remote Timed Reminder (Wake-Up Call)) (U/M) • 2.2 Tenant (P/G) – Alert Extension – Day / Night

2.9 Language Data

Display Language

The KX-TD500 System provides two different languages as the Display Language at the same time, which is shown on the display of a Panasonic Proprietary Telephone (PT). Each PT user can choose **English (default) or Optional Language**, so PTs on the same KX-TD500 System can display different languages.

Optional Language

French is stored as the default Optional Language at the factory.
You can replace French with one of the other optional languages.

Language Data File

If you want to use the Optional Language other than French, please upload the appropriate Language Data File distributed with the PC System Programming Installation media.

< Uploading the Language Data to the KX-TD500 System >

1. Start up the System in on-line mode.
2. Connect the PC System Programming device (Windows® PC) to the KX-TD500 System and go into the Interactive mode.
3. Point to "2-8 Language Data" from the "Programming - 2. System" drop-down menu and click.
 - The "Language Data Selection" dialogue box is displayed.
4. Select the appropriate Language Data file and click "OK."
 - Uploading of the Language Data from PC to the KX-TD500 System begins.
 - Uploading takes about 5 minutes.

< System Programming >

When the uploading of the Language Data is finished;

1. Go to "4-2 Extension Line" screen and choose "Option" in "Language" menu.
2. Click "OK" or "Apply" to save the data change.

Notes

- The uploaded Language Data remains intact after the termination of system operation / system reset.
- To clear the uploaded Language Data, set the Operation Switch (MODE) to the position "5" and start up the system in off-line mode.
- You can upload the Language Data after uploading the system data. When system data upload is finished, the "Language Data Selection" dialogue box is displayed. Then you

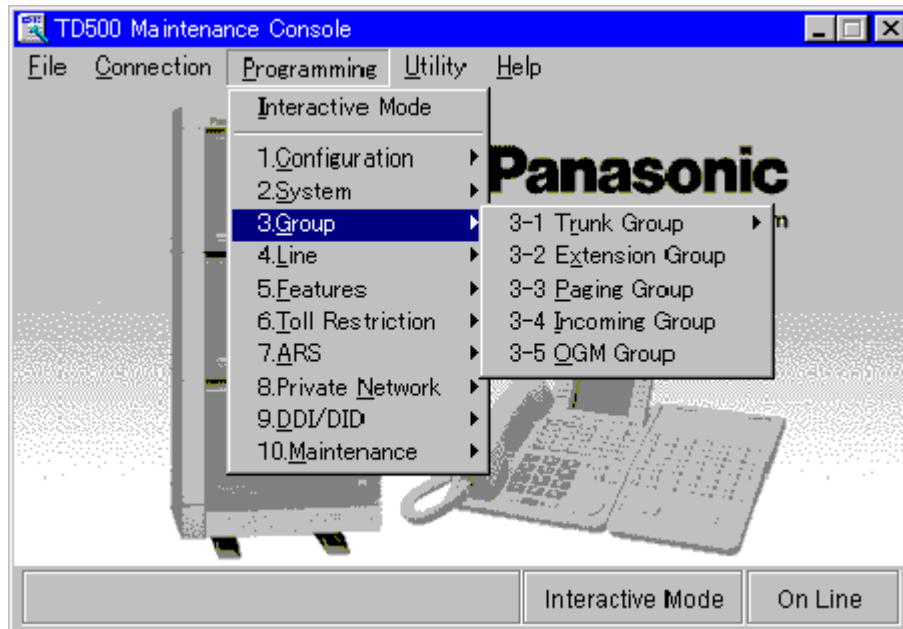
can upload the Language Data in the same way as described in <Uploading the Language Data to the KX-TD500 System>.

Section 3

Group

3.1 Group

Used to assign various group parameters.



3.2 Trunk Group

3.2.1 Trunk Group 1/2

Used to assign parameters for each trunk group.
Up to 48 trunk groups can be created in the system.

Note

- To support efficient utilisation of trunks, it is desirable to group them together in trunk groups according to a type of each trunk (Incoming Only, Outgoing Only or Both-Way) determined by the contract with the Central Office.

3-1 Trunk Group 1/2

Group No. [1] Type [Public] Copy

Intercept Destination: Day [] ... Night [] ...

Pause Time before Flash Signal: [512 ms]

Max. Dial No. after EFA Signal: [0]

Line Hunting Order: [Normal]

Tenant No.: [1]

Flash Time: [600 ms]

Disconnecting Time: [1.5 s]

Pause Time: [1.5 s]

PBX Access Code: [] [] [] []

Numbering Plan ID: Public [Default] Private [Default]

Outgoing: [Default] Private: [Default]

Incoming: [Default] Private: [Default]

Type of Number: Public [Default] Private [Default]

Outgoing: [Default] Private: [Default]

Incoming: [Default] Private: [Default]

PBX Dial Tone: ☐ Enable ☒ Disable

PBX Ringback Tone: ☐ Enable ☒ Disable

☒ Cyclic Signal Detection

☒ Continuous Signal Detection

☒ Silence Detection

3-1 Trunk Group 1/2 OK Apply Cancel Help

Trunk Group Copy

Used to copy a part of or all settings of a certain Trunk Group to all other Trunk Groups at a time. You can also specify one or several Trunk Groups as the copy destination.

Copying the Trunk Group Parameters to Other Trunk Groups

1. Edit the parameters of the copy source Trunk Group and save it.
2. Point to the "Copy" button on "3-1 Trunk Group" screen of the copy source and click.
 - "Trunk Group Copy" screen is displayed.
 - The current Trunk Group (copy source) number is shown as "Copy from Trunk Group 1-48."

Trunk Group Copy

Copy from Trunk Group 1

Copy Item

- ☒ Intercept Destination Day
- ☒ Intercept Destination Night
- ☒ PBX Dial Tone
- ☒ Line Hunting Order
- ☒ Tenant No.
- ☒ Disconnecting Time
- ☒ Pause Time
- ☒ Pause Time Before Flash Signal
- ☒ Flash Time
- ☒ PBX Access Code
- ☒ Cyclic Signal Detection
- ☒ Continuous Signal Detection
- ☒ Silence Detection
- ☒ PBX Ringback Tone
- ☒ Type
- ☒ Numbering Plan ID
- ☒ Type of Number
- ☒ Max. Dial No. after EFA Signal
- ☒ ISDN Progress Tone Mode
- ☒ Sending ISDN FLASH signal to CO

Destination Trunk Group

☐ 1	☐ 13	☐ 25	☐ 37
☐ 2	☐ 14	☐ 26	☐ 38
☐ 3	☐ 15	☐ 27	☐ 39
☐ 4	☐ 16	☐ 28	☐ 40
☐ 5	☐ 17	☐ 29	☐ 41
☐ 6	☐ 18	☐ 30	☐ 42
☐ 7	☐ 19	☐ 31	☐ 43
☐ 8	☐ 20	☐ 32	☐ 44
☐ 9	☐ 21	☐ 33	☐ 45
☐ 10	☐ 22	☐ 34	☐ 46
☐ 11	☐ 23	☐ 35	☐ 47
☐ 12	☐ 24	☐ 36	☐ 48

Select All

Execute Cancel Help

3. Select the Trunk Group parameters to copy in "Copy Item" field.
 - Items marked with "✓" are copied.
4. Point to the "Select All" button in the "Destination Trunk Group" field and click.
 - All displayed Trunk Group Nos. will be marked with "✓."
 - You can also specify one or several Trunk Groups as the copy destination by clicking it (them) directly.
5. Point to the "Execute" button and click.
 - "Are you sure?" is displayed.
6. Point to the "Yes (Y)" button and click.
 - "Copying" is displayed while the source data is being copied to the destination.
 - Parameters of the destination Trunk Groups are immediately effective when copying is finished.

<i>Parameter</i>	Group No.
<i>Default</i>	1
<i>Value Range</i>	1-48
<i>Description/Function</i>	Specifies the trunk group (1-48) which you are going to programme.
<i>Reference</i>	• 1.3 System Features (F/G) – Trunk Group

<i>Parameter</i>	Type
<i>Default</i>	Public
<i>Value Range</i>	1. Public 2. Private 3. VPN (Virtual Private Network)
<i>Description/Function</i>	Specifies the network type for the trunk group.
<i>Reference</i>	• 3.1 TIE Line Features (F/G) – TIE Line Service • 3.2 VPN Features (F/G) – Virtual Private Network (VPN)

<i>Parameter</i>	Copy
<i>Default</i>	—
<i>Value Range</i>	—
<i>Description/Function</i>	You can enter into "Trunk Group Copy" screen by clicking this button.
<i>Reference</i>	—

Parameter	Intercept Destination – Day / Night
Default	Blank
Value Range	3-4 digits consisting of 0-9
Description/Function	Specifies the destination extension (3 or 4 digits) for Intercept Routing feature in both Day and Night modes respectively.

Notes

- Intercept Routing provides an automatic re-direction of calls that have not been answered.
- There are six possible destinations of intercepted call:
(1) An extension, (2) an external pager (TAFAS),
(3) an OGM group, (4) an extension group,
(5) an incoming group, or (6) a phantom extension.

Reference	• 1.11 Transferring Features (F/G) – Intercept Routing
------------------	--

Parameter	Pause Time before Flash Signal
Default	512 ms
Value Range	1. None 2. 512 ms 3. 1024 ms 4. 1536 ms 5. 2048 ms
Description/Function	Specifies the pausing time required before sending the Flash Signal.
Reference	None

Parameter	Max. Dial No. after EFA Signal
Default	0
Value Range	0-32
Description/Function	Specifies the maximum dialling digits allowed after sending EFA (External Feature Access) signal.

Note

- If set to "0," the dialling digits can be sent without limit.

Reference	• 1.12 Conversation Features (F/G) – External Feature Access • 2.8.2 If a Host PBX is Connected (U/M)
------------------	--

<i>Parameter</i>	Line Hunting Order
<i>Default</i>	Normal
<i>Value Range</i>	1. Normal 2. Reverse 3. Sequential
<i>Description/Function</i>	Specifies the hunting sequence of idle lines on a trunk group basis. 1. <i>Normal</i> The system connects the user to an idle trunk line with the lowest physical number. 2. <i>Reverse</i> The system connects the user to an idle trunk line with the highest physical number. 3. <i>Sequential</i> To avoid repeated use of the same trunk line, rotation is performed in numerical order (from the lowest to the highest trunk port physical number.) Busy lines are skipped, of course.
<i>Reference</i>	• 2.8 System Option (P/G) – Trunk hunting mode

<i>Parameter</i>	Tenant No.
<i>Default</i>	1
<i>Value Range</i>	1-8
<i>Description/Function</i>	Specifies the tenant (1-8) to which the trunk group is assigned. (This setting is required when "Tenant Service" is employed.)
<i>Reference</i>	• 1.3 System Features (F/G) – Tenant Service • 2.2 Tenant (P/G)

<i>Parameter</i>	Flash Time
<i>Default</i>	80 ms: [SA], 600 ms: Others
<i>Value Range</i>	1. None 2. 80 ms 3. 300 ms 4. 600 ms 5. 900 ms 6. 1200 ms
<i>Description/Function</i>	Specifies the length of flash time.
	<u>Notes</u> • When you need finer resolution, assign this to 80 ms and use "Flash Time" parameter in "1-1 Slot Assignment - Card Properties (XXX: ELCOT)" screen. • You must use "Flash Time" parameter in "1-1 Slot Assignment - Card Properties (XXX: ELCOT)" screen when your Central Office requires a Flash Time not listed here. • For information on "Card Properties" screen, please refer to "Card Type" in Section "1.2 Slot Assignment."
<i>Reference</i>	None

<i>Parameter</i>	Disconnecting Time
<i>Default</i>	1.5 s
<i>Value Range</i>	1. 0.5 s 2. 1.5 s 3. 2.0 s 4. 4.0 s 5. 12.0 s
<i>Description/Function</i>	Specifies the maximum time in seconds the system is to wait after releasing the trunk line before getting it again.
	<u>Note</u> • This allows the Central Office an opportunity to release its resources before another trunk call is placed from the PBX.
<i>Reference</i>	None

<i>Parameter</i>	<i>Pause Time</i>
<i>Default</i>	1.5 s
<i>Value Range</i>	1. 1.5 s 2. 2.5 s 3. 3.5 s 4. 4.5 s
<i>Description/Function</i>	Specifies the length of pause time (dialling delay). The programmed pause time is automatically inserted after a line access code or a host PBX access code, or manually inserted when the PAUSE button is pressed by the extension user.
<i>Reference</i>	• 1.3 System Features (F/G) – Host PBX Access • 2.8.2 If a Host PBX is Connected (U/M)

<i>Parameter</i>	<i>PBX Access Code</i>
<i>Default</i>	Blank
<i>Value Range</i>	1-4 digits consisting of 0-9, *, or #
<i>Description/Function</i>	Specifies the PBX access codes required to access the Host PBX or Centrex service. If the system is installed behind a host PBX or a Centrex system, an access code is required to make an outside / Centrex call or to access Centrex features. Up to four codes can be assigned per Trunk Group.
<i>Reference</i>	• 1.3 System Features (F/G) – Host PBX Access • 2.8.2 If a Host PBX is Connected (U/M)

<i>Parameter</i>	<i>[Numbering Plan ID] Outgoing—Public</i>
<i>Default</i>	Default
<i>Value Range</i>	1. Default 2. Unknown 3. ISDN / Telephony 4. National Standard 5. Private
<i>Description/Function</i>	Specifies the Numbering Plan ID applied to the outgoing CO calls via ISDN Public Switched Telephone Network.
<i>Reference</i>	• 3.2 VPN Features (F/G) – Virtual Private Network (VPN)

<i>Parameter</i>	[Numbering Plan ID] Outgoing—Private
<i>Default</i>	Private
<i>Value Range</i>	1. Default 2. Unknown 3. ISDN / Telephony 4. National Standard 5. Private
<i>Description/Function</i>	Specifies the Numbering Plan ID applied to the outgoing CO calls via ISDN Private Network.
<i>Reference</i>	• 3.2 VPN Features (F/G) – Virtual Private Network (VPN)
<i>Parameter</i>	[Numbering Plan ID] Incoming—Public
<i>Default</i>	Default
<i>Value Range</i>	1. Default 2. Unknown 3. ISDN / Telephony 4. National Standard 5. Private
<i>Description/Function</i>	Specifies the Numbering Plan ID applied to the incoming CO calls via ISDN Public Switched Telephone Network.
<i>Reference</i>	• 3.2 VPN Features (F/G) – Virtual Private Network (VPN)
<i>Parameter</i>	[Numbering Plan ID] Incoming—Private
<i>Default</i>	Private
<i>Value Range</i>	1. Default 2. Unknown 3. ISDN / Telephony 4. National Standard 5. Private
<i>Description/Function</i>	Specifies the Numbering Plan ID applied to the incoming CO calls via ISDN Private Network.
<i>Reference</i>	• 3.2 VPN Features (F/G) – Virtual Private Network (VPN)

<i>Parameter</i>	PBX Dial Tone
<i>Default</i>	Disable
<i>Value Range</i>	1. Enable 2. Disable
<i>Description/Function</i>	If enabled, the system sends a dial tone to the extension user who seizes an E&M / E1 / T1 digital trunk line. (Available for E&M / E1 / T1 digital trunk lines only.) Note • In case of the E&M / E1 / T1 digital trunk line, the Central Office does not send a dial tone to the caller.
<i>Reference</i>	• 1.3 System Features (F/G) – E1 Carrier – T1 Carrier

<i>Parameter</i>	PBX Ringback Tone
<i>Default</i>	Disable
<i>Value Range</i>	1. Enable 2. Disable
<i>Description/Function</i>	Specifies whether or not the system sends a ringback tone to the extension user who seizes an E&M / E1 / T1 digital trunk line. (Available for E&M / E1 / T1 digital trunk lines only.) Note • In case of the E&M / E1 / T1 digital trunk line, the Central Office does not send a ringback tone to the caller.
<i>Reference</i>	• 1.3 System Features (F/G) – E1 Carrier – T1 Carrier

<i>Parameter</i>	[Type of Number] Outgoing—Public
<i>Default</i>	Default
<i>Value Range</i>	1. Default 2. Unknown 3. International 4. National 5. Network Specific 6. Subscriber
<i>Description/Function</i>	Specifies the Type of Number applied to the outgoing CO calls via ISDN Public Switched Telephone Network.
<i>Reference</i>	• 3.2 VPN Features (F/G) – Virtual Private Network (VPN)

<i>Parameter</i>	[Type of Number] Outgoing—Private
<i>Default</i>	Default
<i>Value Range</i>	1. Default 2. Unknown 3. International 4. National 5. Network Specific 6. Subscriber
<i>Description/Function</i>	Specifies the Type of Number applied to the outgoing CO calls via ISDN Private Network.
<i>Reference</i>	• 3.2 VPN Features (F/G) – Virtual Private Network (VPN)

<i>Parameter</i>	[Type of Number] Incoming—Public
<i>Default</i>	Default
<i>Value Range</i>	1. Default 2. Unknown 3. International 4. National 5. Network Specific 6. Subscriber
<i>Description/Function</i>	Specifies the Type of Number applied to the incoming CO calls via ISDN Public Switched Telephone Network.
<i>Reference</i>	• 3.2 VPN Features (F/G) – Virtual Private Network (VPN)

<i>Parameter</i>	[Type of Number] Incoming—Private
<i>Default</i>	Default
<i>Value Range</i>	1. Default 2. Unknown 3. International 4. National 5. Network Specific 6. Subscriber
<i>Description/Function</i>	Specifies the Type of Number applied to the incoming CO calls via ISDN Private Network.
<i>Reference</i>	• 3.2 VPN Features (F/G) – Virtual Private Network (VPN)

<i>Parameter</i>	Cyclic Signal Detection
<i>Default</i>	Check
<i>Value Range</i>	1. No check [Disable] 2. Check [Enable]
<i>Description/Function</i>	Used to disconnect the trunk line when the system detects a cyclic signal during a CO-to-CO line call by DISA or AGC.
<i>Reference</i>	• 1.5 Attended Features (F/G) – Direct Inward System Access (DISA)

<i>Parameter</i>	Continuous Signal Detection
<i>Default</i>	Check
<i>Value Range</i>	1. No check [Disable] 2. Check [Enable]
<i>Description/Function</i>	Used to disconnect the trunk line when the system detects a continuous signal during a CO-to-CO line call by DISA or AGC.
<i>Reference</i>	• 1.5 Attended Features (F/G) – Direct Inward System Access (DISA)

<i>Parameter</i>	Silence Detection
<i>Default</i>	Check
<i>Value Range</i>	1. No check [Disable] 2. Check [Enable]
<i>Description/Function</i>	Used to disconnect the trunk line when the system detects no signal during a CO-to-CO line call by DISA or AGC.
<i>Reference</i>	• 1.5 Attended Features (F/G) – Direct Inward System Access (DISA)

3.2.2 Trunk Group 2/2

Used to assign parameters for each trunk group. Up to 48 trunk groups can be created in the system.

3-1 Trunk Group 2/2

Group No. 1

ISDN Progress Tone Mode
Automatic

Sending ISDN FLASH signal to CO
☐ Enable ☒ Disable

3-1 Trunk Group 2/2

OK Apply Cancel Help

<i>Parameter</i>	ISDN Progress Tone Mode
<i>Default</i>	Automatic
<i>Value Range</i>	1. Automatic 2. Network 3. PBX
<i>Description/Function</i>	Selects the way to supply the progress tone to an extension when the extension user makes an outgoing call via ISDN. 1. <i>Automatic</i> If the network provides a progress tone, the system sends the network progress tone to the caller. If not, the system sends the PBX progress tone. 2. <i>Network</i> The system sends the network progress tone to the caller under all conditions. 3. <i>PBX</i> The system sends the PBX progress tone to the caller under all conditions.
<i>Reference</i>	None

<i>Parameter</i>	Sending ISDN FLASH signal to CO
<i>Default</i>	Disable
<i>Value Range</i>	1. Enable 2. Disable
<i>Description/Function</i>	Specifies whether or not the system sends an ISDN FLASH signal to ISDN while talking by pressing FLASH or EFA button. Note • This feature is not available for certain countries/areas. The contract with Central Office is required to utilise this feature.
<i>Reference</i>	• 1.12 Conversation Features (F/G) – External Feature Access

3.3 Extension Group

Used to assign various parameters for up to 128 (1-128) Extension Groups.
Which parameters apply to your Extension Group?
Please refer to the table on the Page 137 and Page 138.

Note

- By default, the Group Type of Group No.126 is VM, No.127 is AA and No.128 is Operator.

3-2 Extension Group

Group No. 1 Copy

FDN: [] DN Refer

Tenant No. 1

Group Type: None

FWD/DND Mode: ☒ Enable ☐ Disable

Overflow Setting: Destination Day [] Destination Night [] Timer: None

Extension Call Hunting: ☒ Enable ☐ Disable

Calls to Empty Group: ☐ Enable ☒ Disable

UCD Setting: Time Table No. None

FWD No Answer: ☐ Enable ☒ Disable

Auto LOGOUT Mode: Disable

Supervisor Extension: []

LOGIN Monitor: ☐ Enable ☒ Disable

UCD Call Waiting: ☒ Enable ☐ Disable

Operator Setting: Call Priority: CO Call 1 Intercept Routing 2 Recall 3 Extension Call 4

Ringing Type: Single

3-2 Extension Group OK Apply Cancel Help

Applicability of Parameters to Group Types

Parameter	Group Type							
	None	Ter.	Cir.	Ring	Ope.	VM	AA	UCD
Group No.	✓	✓	✓	✓	✓	✓	✓	✓
FDN	✓	✓	✓	✓	✓	✓	✓	✓
Tenant No.	✓	✓	✓	✓	✓	✓	✓	✓
[Overflow Setting] Destination – Day / Night		✓	✓		✓	✓	✓	✓
[Overflow Setting] Timer					✓			
FWD / DND Mode		✓	✓	✓				✓
Extension Call Hunting		✓	✓					
Calls to Empty Group					✓			✓
[Operator Setting] Ringing Type					✓			
[Operator Setting] Call Priority					✓			
[UCD Setting] Time Table No.								✓
[UCD Setting] FWD No Answer								✓
[UCD Setting] Auto LOGOUT Mode								✓
[UCD Setting] Supervisor Extension								✓
[UCD Setting] LOGIN Monitor								✓
[UCD Setting] UCD Call Waiting								✓

(✓ = assignable)

Applicability of Group Types to Overflow Destinations

Group Type	Overflow Destination						
	DN	External Pager	OGM Group	Extension Group	Phantom Extension	RMT	Incoming Group
None							
Terminate	✓						
Circular	✓						
Operator	✓			✓	✓		✓ ^{*1}
VM	✓						
AA	✓						
UCD	✓	✓		✓	✓		✓ ^{*1}

(✓ = assignable)

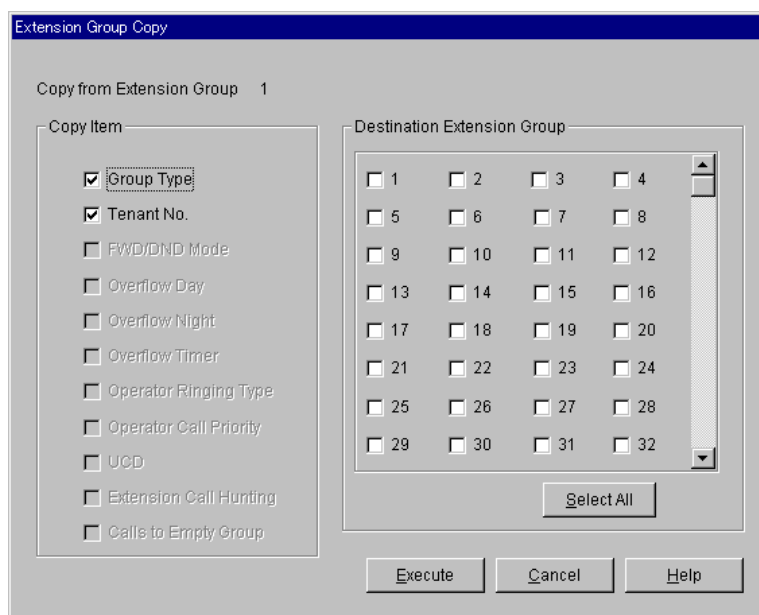
^{*1}When "DIL 1:N" is specified in "Group Type" programming of Incoming Group, this feature does not work.

Extension Group Copy

Used to copy a part of or all settings of a certain Extension Group to all other Extension Groups at a time. You can also specify one or several Extension Groups as the copy destination.

Copying the Extension Group Parameters to Other Extension Groups

1. Edit the parameters of the copy source Extension Group and save it.
2. Point to the "Copy" button on "3-2 Extension Group" screen of the copy source and click.
 - "Extension Group Copy" screen is displayed.
 - The current Extension Group (copy source) number is shown as "Copy from Extension Group 1-128."



3. Select the Extension Group parameters to copy in "Copy Item" field.
 - Only parameters which are available to copy are shown in "Copy Item" field. This depends on the Group Type assignment of the copy source Extension Group.
 - Items marked with "✓" are copied.
4. Point to the "Select All" button in the "Destination Extension Group" field and click.
 - All displayed Extension Group Nos. will be marked with "✓".
 - You can also specify one or several Extension Groups as the copy destination by clicking it (them) directly.
5. Point to the "Execute" button and click.
 - "Are you sure?" is displayed.
6. Point to "Yes (Y)" button and click.
 - "Copying" is displayed while the source data is being copied to the destination.
 - Parameters of the destination Extension Groups are immediately effective when copying is finished.

<i>Parameter</i>	Group No.
<i>Default</i>	1
<i>Value Range</i>	1-128
<i>Description/Function</i>	Specifies the Extension Group (1-128) which you are going to programme.
<i>Reference</i>	• 1.3 System Features (F/G) – Extension Group

<i>Parameter</i>	Copy
<i>Default</i>	—
<i>Value Range</i>	—
<i>Description/Function</i>	You can enter into "Extension Group Copy" screen by clicking this button.
<i>Reference</i>	—

<i>Parameter</i>	FDN
<i>Default</i>	Blank
<i>Value Range</i>	3-4 digits consisting of 0-9
<i>Description/Function</i>	Specifies the FDN (Floating Directory Number) for the Extension Group.
<i>Reference</i>	• 1.3 System Features (F/G) – Floating Station

<i>Parameter</i>	DN Refer
<i>Default</i>	—
<i>Value Range</i>	—
<i>Description/Function</i>	Displays the list of DNs/FDNs which are already assigned to the extensions / system resources.
<i>Reference</i>	None

<i>Parameter</i>	Tenant No.
<i>Default</i>	1
<i>Value Range</i>	1-8
<i>Description/Function</i>	Specifies the tenant (1-8) to which the Extension Group is assigned. (Required when "Tenant Service" is employed.)
<i>Reference</i>	• 1.3 System Features (F/G) – Tenant Service • 2.2 Tenant (P/G)

<i>Parameter</i>	[Overflow Setting] Destination – Day / Night
<i>Default</i>	Blank
<i>Value Range</i>	3-4 digits consisting of 0-9
<i>Description/Function</i>	Specifies the destination extension where the call is transferred to when all extensions in the Extension Group are unavailable or logged-out in Day / Night mode respectively.
<i>Reference</i>	None

<i>Parameter</i>	[Overflow Setting] Timer
<i>Default</i>	None
<i>Value Range</i>	None, 5-180 s in 5 s increments
<i>Description/Function</i>	Specifies the length of time in seconds the system is to wait before transferring the call in the waiting queue to the Overflow Destination. (Assignable only when "Operator" is specified in "Group Type" programming.)

Note

- If "None" is specified, the call is transferred to the Overflow Destination immediately.

<i>Reference</i>	• 1.3 System Features (F/G) – Operator Group
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<i>Parameter</i>	Group Type
<i>Default</i>	Group No.126: VM, Group No.127: AA, Group No.128: Operator, Others: None
<i>Value Range</i>	1. None 2. Terminate 3. Circular 4. Ring 5. Operator 6. VM 7. AA 8. UCD
<i>Description/Function</i>	Specifies the Group Type for each Extension Group. This determines how the Extension Group handles the incoming calls directed to it. 1. None: No Group Type is specified. 2. Terminate: Functions as a Station Hunting Group (Terminate). 3. Circular: Functions as a Station Hunting Group (Circular). 4. Ring: Functions as a Ring Group. 5. Operator: Functions as an Operator Group. 6. VM: Functions as a VM (Voice Mail) Group. 7. AA: Functions as an AA (Automated Attendant) Group. 8. UCD: Functions as a UCD (Uniform Call Distribution) Group.
<i>Reference</i>	•1.3 System Features (F/G) – Extension Group

<i>Parameter</i>	FWD / DND Mode
<i>Default</i>	Enable
<i>Value Range</i>	1. Disable 2. Enable
<i>Description/Function</i>	Specifies whether to enable or disable the FWD / DND (Call Forwarding or Do Not Disturb) feature assigned on all extensions in the Extension Group. (Assignable only when "Terminate," "Ring," "Circular" or "UCD" is specified in "Group Type" programming.)
<i>Reference</i>	None

<i>Parameter</i>	Extension Call Hunting
<i>Default</i>	Enable
<i>Value Range</i>	1. Enable 2. Disable
<i>Description/Function</i>	Specifies whether station hunting feature works or not when the other party calls a busy extension in the group by dialling DN of the extension (extension call). (Assinable only when "Terminate" or "Circular" is specified in "Group Type" programming.)

Note

- When the other party calls the group by dialling the FDN of the group, station hunting always works regardless of this setting.

<i>Reference</i>	• 1.8 Ringing Features (F/G) – Station Hunting
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<i>Parameter</i>	Calls to Empty Group
<i>Default</i>	Disable
<i>Value Range</i>	1. Enable 2. Disable
<i>Description/Function</i>	Allows for calls to empty (all Logout) Operator or UCD Groups to be queued. If enabled, calls will be queued to the group. If disabled, the extension will receive a reorder tone, and the CO call will be transferred to the overflow destination immediately. (Assignable only when "Operator" or "UCD" is specified in "Group Type" programming.)
<i>Reference</i>	• 1.3 System Features (F/G) – Extension Group – Operator Group • 1.5 Attended Features (F/G) – Uniform Call Distribution (UCD)

<i>Parameter</i>	[UCD Setting] Time Table No.
<i>Default</i>	None
<i>Value Range</i>	None, 1-32
<i>Description/Function</i>	Specifies the UCD Time Table (1-32) for the UCD Group.
<i>Reference</i>	• 1.3 System Features (F/G) – Extension Group • 1.5 Attended Features (F/G) – Uniform Call Distribution (UCD)

<i>Parameter</i>	[UCD Setting] FWD No Answer
<i>Default</i>	Disable
<i>Value Range</i>	1. Disable 2. Enable
<i>Description/Function</i>	Specifies the treatment of the call which is not answered by the extension in the UCD group within a specified period of time (Call Forwarding - No Answer Time). 1. <i>Disable</i> The call continues to ring the current destination extension. 2. <i>Enable</i> The system transfers the call to an idle extension in the group.
<i>Reference</i>	• 1.3 System Features (F/G) – Extension Group • 1.5 Attended Features (F/G) – Uniform Call Distribution (UCD)

<i>Parameter</i>	[UCD Setting] Auto LOGOUT Mode
<i>Default</i>	Disable
<i>Value Range</i>	1. Disable 2. 1-10 times
<i>Description/Function</i>	Specifies the treatment of extensions in a UCD group who do not / cannot answer the call. A member extension may be logged-out automatically, if it does not answer the call for pre-determined times (1-10) consecutively. If "Disable" is specified, this setting does not function.
<i>Reference</i>	• 1.3 System Features (F/G) – Extension Group • 1.5 Attended Features (F/G) – Uniform Call Distribution (UCD)

<i>Parameter</i>	[UCD Setting] Supervisor Extension
<i>Default</i>	Blank
<i>Value Range</i>	3-4 digits consisting of 0-9
<i>Description/Function</i>	Specifies the Supervisor Extension per UCD Group. The extension specified as the Supervisor Extension can monitor the number of waiting calls (calls placed in the waiting queue).
<i>Reference</i>	• 1.3 System Features (F/G) – Extension Group • 1.5 Attended Features (F/G) – Uniform Call Distribution (UCD)

<i>Parameter</i>	[UCD Setting] LOGIN Monitor
<i>Default</i>	Disable
<i>Value Range</i>	1. Disable 2. Enable
<i>Description/Function</i>	Specifies whether the extension can monitor (through the corresponding DSS buttons) the Login / Logout status of UCD Group members or not.
<i>Reference</i>	• 1.3 System Features (F/G) – Extension Group • 1.5 Attended Features (F/G) – Uniform Call Distribution (UCD) • 2.5.5 Leaving a Group (Log-In/Log-Out) (U/M)

<i>Parameter</i>	[UCD Setting] UCD Call Waiting
<i>Default</i>	Enable
<i>Value Range</i>	1. Disable 2. Enable
<i>Description/Function</i>	This feature is different from regular Call Waiting. This feature (if enabled) allows UCD group members to hear a Call Waiting tone when an inside / outside call arrives but all the extensions in the UCD Group are busy.
	<u>Notes</u> • To use this feature, this setting must be set to enable. • In addition, each extension must enable regular Call Waiting.
<i>Reference</i>	• 1.3 System Features (F/G) – Extension Group • 1.5 Attended Features (F/G) – Uniform Call Distribution (UCD)

<i>Parameter</i>	[Operator Setting] Call Priority
<i>Default</i>	CO Call: 1, Intercept Routing: 2, Recall: 3, Extension Call: 4
<i>Value Range</i>	Priority 1-4
<i>Description/Function</i>	Specifies the answering priority of incoming calls to the Operator Group by a type of call when more than one call is ringing at an Operator extension. (Assignable only when "Operator" is specified in "Group Type" programming.)
	<u>Notes</u> • If all extensions in the Operator group are busy, incoming calls directed to the group will be put in the waiting queue in order of precedence determined by this Call Priority setting. • If the same priority is set on all four types of calls, the calls will be put in the waiting queue in order of the arrival.
<i>Reference</i>	• 1.3 System Features (F/G) – Operator Group • 1.6 Originating Features (F/G) – Operator Call

<i>Parameter</i>	[Operator Setting] Ringing Type
<i>Default</i>	Single
<i>Value Range</i>	1. Multi 2. Single
<i>Description/Function</i>	Specifies whether the calls coming in on an Operator Group ring one Operator (Single) or all Operators in the group (Multi) simultaneously. (Assignable only when "Operator" is specified in "Group Type" programming.)
<i>Reference</i>	• 1.3 System Features (F/G) – Operator Group • 1.6 Originating Features (F/G) – Operator Call

3.4 Paging Group

Used to programme up to 16 Paging Groups. Each Paging Group consists of up to 24 Extension Groups. One Extension Group can be assigned to only one Paging Group.

<i>Parameter</i>	Paging Group No.
<i>Default</i>	1
<i>Value Range</i>	1-16
<i>Description/Function</i>	Specifies the Paging Group (1-16) which you are going to programme.
<i>Reference</i>	• 1.14 Paging Features (F/G) – Paging • 2.6.1 Paging (U/M)

<i>Parameter</i>	Extension Group No.
<i>Default</i>	Paging Group No.1 = No.1: 1, No.2: 128, Others: None / Paging Group No.2-No.16 = All: None
<i>Value Range</i>	None, 1-128
<i>Description/Function</i>	Specifies the Extension Group (1-128) which you are going to assign to the Paging Group. Up to 24 Extension Groups per Paging Group can be assigned.
<i>Reference</i>	• 1.14 Paging Features (F/G) – Paging

3.5 Incoming Group

Used to programme a list of up to 96 Incoming Groups.

Which parameters apply to your Incoming Group?

Please refer to the table on Page 151 and Page 152.

The screenshot shows the '3-4 Incoming Group' configuration window. The window is titled '3-4 Incoming Group' and contains the following fields and controls:

- Group No.:** A dropdown menu showing '1'.
- FDN:** A text field with a 'DN Refer' button next to it.
- Destinations:** A button.
- Copy:** A button.
- Group Type:** A dropdown menu showing 'DIL1:N'.
- Overflow Setting:** A section containing 'Destination', 'Day', 'Night', and 'Timer' (set to 'None').
- Mailbox No.:** A text field with a search button (three dots).
- FWD/DND Mode:** Radio buttons for 'Enable' (selected) and 'Disable'.
- Search Mode:** Radio buttons for 'UCD' (selected) and 'Sequential'.
- Calls to Empty Group:** Radio buttons for 'Enable' and 'Disable' (selected).
- Operator Setting:** A section containing 'Call Priority' with four dropdown menus: 'CO Call' (1), 'Intercept Routing' (2), 'Recall' (3), and 'Extension Call' (4). Below these is a 'Ringing Type' dropdown set to 'Single'.
- UCD Setting:** A section containing 'Time Table No.' (set to 'None'), 'FWD No Answer' (radio buttons for 'Enable' and 'Disable', with 'Disable' selected), 'Auto LOGOUT Mode' (dropdown set to 'Disable'), 'Supervisor Extension' (text field with a search button), and 'UCD Call Waiting' (radio buttons for 'Enable' (selected) and 'Disable').
- Bottom Bar:** A dropdown menu showing '3-4 Incoming Group' and buttons for 'OK', 'Apply', 'Cancel', and 'Help'.

Applicability of Parameters to Group Types

Parameter	Group Type				
	DIL 1:N	Ter.	Ring	Ope.	UCD
[Overflow Setting] Destination — Day / Night		✓		✓	✓
[Overflow Setting] Timer				✓	
FWD / DND Mode		✓	✓		✓
Search Mode				✓	✓
Calls to Empty Group				✓	✓
[Operator Setting] Ringing Type				✓	
[Operator Setting] Call Priority				✓	
[UCD Setting] Time Table No.					✓
[UCD Setting] FWD No Answer					✓
[UCD Setting] Auto LOGOUT Mode					✓
[UCD Setting] Supervisor Extension					✓
[UCD Setting] UCD Call Waiting					✓

(✓ = assignable)

Applicability of Group Types to Overflow Destinations

Group Type	Overflow Destination						
	DN	External Pager	OGM Group	Extension Group	Phantom Extension	RMT	Incoming Group
Terminate	✓						
Operator	✓			✓	✓		✓* ₁
UCD	✓	✓		✓	✓		✓* ₁

(✓ = assignable)

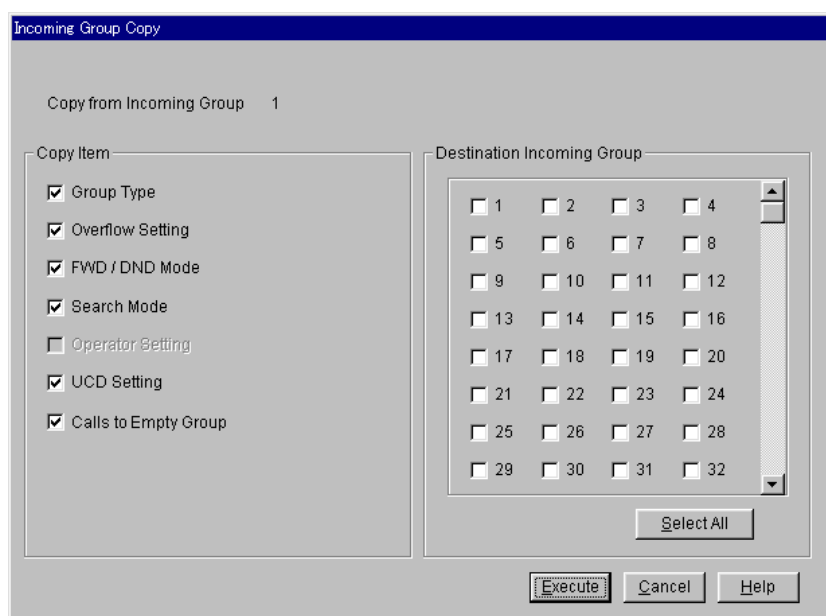
*₁When "DIL 1:N" is specified in "Group Type" programming of Incoming Group, this feature does not work.

Incoming Group Copy

Used to copy a part of or all settings of a certain Incoming Group to all other Incoming Groups at a time. You can also specify one or several Incoming Groups as the copy destination.

Copying the Incoming Group Parameters to Other Incoming Groups

1. Edit the parameters of the copy source Incoming Group and save it.
2. Point to the "Copy" button on "3-4 Incoming Group" screen of the copy source and click.
 - "Incoming Group Copy" screen is displayed.
 - The current Incoming Group (copy source) number is shown as "Copy from Incoming Group 1-96."



3. Select the Incoming Group parameters to copy in "Copy Item" field.
 - Only parameters which are available to copy are shown in "Copy Item" field. This depends on the Group Type assignment of the copy source Incoming Group.
 - Items marked with "✓" are copied.
4. Point to the "Select All" button in the "Destination Incoming Group" field and click.
 - All displayed Incoming Group Nos. will be marked with "✓."
 - You can also specify one or several Incoming Groups as the copy destination by clicking it (them) directly.
5. Point to the "Execute" button and click.
 - "Are you sure?" is displayed.
6. Point to "Yes (Y)" button and click.
 - "Copying" is displayed while the source data is being copied to the destination.
 - Parameters of the destination Incoming Groups are immediately effective when copying is finished.

<i>Parameter</i>	Group No.
<i>Default</i>	1
<i>Value Range</i>	1-96
<i>Description/Function</i>	Specifies the Incoming Group (1-96) which you are going to programme.
<i>Reference</i>	• 1.3 System Features (F/G) – Incoming Group

<i>Parameter</i>	Copy
<i>Default</i>	—
<i>Value Range</i>	—
<i>Description/Function</i>	You can enter into "Incoming Group Copy" screen by clicking this button.
<i>Reference</i>	—

<i>Parameter</i>	FDN
<i>Default</i>	Blank
<i>Value Range</i>	3-4 digits consisting of 0-9
<i>Description/Function</i>	Specifies the FDN (Floating Directory Number) for the Incoming Group.
<i>Reference</i>	• 1.3 System Features (F/G) – Floating Station

<i>Parameter</i>	DN Refer
<i>Default</i>	—
<i>Value Range</i>	—
<i>Description/Function</i>	Displays the list of DNs/FDNs which are already assigned to the extensions / system resources.
<i>Reference</i>	None

<i>Parameter</i>	Group Type
<i>Default</i>	DIL 1:N
<i>Value Range</i>	1. DIL 1:N 2. Terminate 3. Ring 4. Operator 5. UCD
<i>Description/Function</i>	Specifies the Group Type for each Incoming Group. This determines how the Incoming Group handles the incoming calls directed to it. 1. DIL 1:N: Functions as a DIL 1:N Group. 2. Terminate: Functions as a Station Hunting Group (Terminate). 3. Ring: Functions as a Ring Group. 4. Operator: Functions as an Operator Group. 5. UCD: Functions as a UCD (Uniform Call Distribution) Group.
<i>Reference</i>	• 1.3 System Features (F/G) – Incoming Group

<i>Parameter</i>	[Overflow Setting] Destination – Day / Night
<i>Default</i>	Blank
<i>Value Range</i>	3-4 digits consisting of 0-9
<i>Description/Function</i>	Specifies the destination extension where the call is transferred to when all extensions in the Incoming Group are unavailable or logged-out in Day / Night mode respectively. (Assignable only when "Terminate," "Operator" or "UCD" is specified in "Group Type" programming.)
	<u>Note</u> • A single extension can be assigned to up to eight different Incoming Groups at a time.
<i>Reference</i>	None

<i>Parameter</i>	[Overflow Setting] Timer
<i>Default</i>	None
<i>Value Range</i>	None, 5-180 s in 5 s increments
<i>Description/Function</i>	Specifies the length of time in seconds the system is to wait before transferring the call in the waiting queue to the Overflow Destination. (Assignable only when "Operator" is specified in "Group Type" programming.)
	<u>Note</u> • If "None" is specified, the call is transferred to the Overflow Destination immediately.
<i>Reference</i>	• 1.3 System Features (F/G) – Operator Group

<i>Parameter</i>	Mailbox No.
<i>Default</i>	Blank
<i>Value Range</i>	3-4 digits consisting of 0-9
<i>Description/Function</i>	Specifies the mailbox number for the Incoming group. When an incoming call is redirected to a VM extension by IRNA or Overflow feature, the system sends the digits of this mailbox number to the VPS. When "Mailbox No." is set to "Blank," the system sends the FDN to the VPS.
	<u>Note</u> • DN of VPS port cannot be assigned as a mailbox number and an Incoming Group destination.
<i>Reference</i>	• 1.3 System Features (F/G) – Integration, Voice Mail (VM) Service

<i>Parameter</i>	FWD / DND Mode
<i>Default</i>	Enable
<i>Value Range</i>	1. Disable 2. Enable
<i>Description/Function</i>	Specifies whether to enable or disable the FWD / DND (Call Forwarding or Do Not Disturb) feature assigned on all extensions in the Incoming Group. (Assignable only when "Terminate," "Ring" or "UCD" is specified in "Group Type" programming.)
<i>Reference</i>	None

<i>Parameter</i>	<i>Search Mode</i>
<i>Default</i>	UCD
<i>Value Range</i>	1. UCD 2. Sequential
<i>Description/Function</i>	Specifies the search mode for extensions. (Assignable only when "Operator (Single)" or "UCD" is specified in "Group Type" programming.) 1. UCD: The system selects the extension following the last one called as the destination extension. 2. Sequential: The system selects the extension assigned first in the Incoming Group as the destination extension.
<i>Reference</i>	• 1.3 System Features (F/G) – Incoming Group • 1.5 Attended Features (F/G) – Uniform Call Distribution (UCD) • 1.6 Originating Features (F/G) – Operator Call

<i>Parameter</i>	<i>Calls to Empty Group</i>
<i>Default</i>	Disable
<i>Value Range</i>	1. Enable 2. Disable
<i>Description/Function</i>	Allows for calls to empty (all Logout) Operator or UCD Groups to be queued. If enabled, calls will be queued to the group. If disabled, the extension will receive a reorder tone, and the CO call will be transferred to the overflow destination immediately. (Assignable only when "Operator" or "UCD" is specified in "Group Type" programming.)
<i>Reference</i>	• 1.3 System Features (F/G) – Incoming Group – Operator Group • 1.5 Attended Features (F/G) – Uniform Call Distribution (UCD)

<i>Parameter</i>	[UCD Setting] Time Table No.
<i>Default</i>	None
<i>Value Range</i>	None, 1-32
<i>Description/Function</i>	Specifies the UCD Time Table (1-32) for the UCD Group.
<i>Reference</i>	• 1.3 System Features (F/G) – Incoming Group • 1.5 Attended Features (F/G) – Uniform Call Distribution (UCD)

<i>Parameter</i>	[UCD Setting] FWD No Answer
<i>Default</i>	Disable
<i>Value Range</i>	1. Disable 2. Enable
<i>Description/Function</i>	Specifies the treatment of the call which is not answered by the extension in the UCD group within a specified period of time (Call Forwarding - No Answer Time). 1. <i>Disable</i> The call continues to ring the current destination extension. 2. <i>Enable</i> The system transfers the call to an idle extension in the group.
<i>Reference</i>	• 1.3 System Features (F/G) – Incoming Group • 1.5 Attended Features (F/G) – Uniform Call Distribution (UCD)

<i>Parameter</i>	[UCD Setting] Auto LOGOUT Mode
<i>Default</i>	Disable
<i>Value Range</i>	1. Disable 2. 1-10 times
<i>Description/Function</i>	Specifies the treatment of extensions in a UCD group who do not / cannot answer the call. A member extension may be logged-out automatically, if it does not answer the call for pre-determined times (1-10) consecutively. If "Disable" is specified, this setting does not function.
<i>Reference</i>	• 1.3 System Features (F/G) – Incoming Group • 1.5 Attended Features (F/G) – Uniform Call Distribution (UCD)

<i>Parameter</i>	[UCD Setting] Supervisor Extension
<i>Default</i>	Blank
<i>Value Range</i>	3-4 digits consisting of 0-9
<i>Description/Function</i>	Specifies the Supervisor Extension per UCD Group. The extension specified as the Supervisor Extension can monitor the number of waiting calls (calls placed in the waiting queue) and the Login/Logout status of UCD Group members through the corresponding DSS buttons.
<i>Reference</i>	• 1.3 System Features (F/G) – Incoming Group • 1.5 Attended Features (F/G) – Uniform Call Distribution (UCD)

<i>Parameter</i>	[UCD Setting] UCD Call Waiting
<i>Default</i>	Enable
<i>Value Range</i>	1. Disable 2. Enable
<i>Description/Function</i>	This feature is different from regular Call Waiting. This feature (if enabled) allows UCD group members to hear a Call Waiting tone when an inside / outside call arrives but all the extensions in the UCD Group are busy.

Notes

- To use this feature, this setting must be set to enable.
- In addition, each extension must enable regular Call Waiting.

<i>Reference</i>	• 1.3 System Features (F/G) – Incoming Group • 1.5 Attended Features (F/G) – Uniform Call Distribution (UCD)
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<i>Parameter</i>	[Operator Setting] Call Priority
<i>Default</i>	CO Call:1, Intercept Routing:2, Recall:3, Extension Call:4
<i>Value Range</i>	Priority 1-4
<i>Description/Function</i>	Specifies the answering priority of incoming calls to the Operator Group by a type of call when more than one call is ringing at an Operator extension. (Assignable only when "Operator" is specified in "Group Type" programming.)
	Notes • If all extensions in the Operator group are busy, incoming calls directed to the group will be put in the waiting queue in order of precedence determined by this Call Priority setting. • If the same priority is set on all four types of calls, the calls will be put in the waiting queue in order of the arrival.
<i>Reference</i>	• 1.3 System Features (F/G) – Operator Group • 1.6 Originating Features (F/G) – Operator Call

<i>Parameter</i>	[Operator Setting] Ringing Type
<i>Default</i>	Single
<i>Value Range</i>	1. Multi 2. Single
<i>Description/Function</i>	Specifies whether the calls coming in on an Operator Group ring one Operator (Single) or all Operators in the group (Multi) simultaneously. (Assignable only when "Operator" is specified in "Group Type" programming.)
<i>Reference</i>	• 1.3 System Features (F/G) – Operator Group • 1.6 Originating Features (F/G) – Operator Call

3.5.1 Destination for Incoming Group

You can assign up to 72 extensions and/or Extension Groups per Incoming Group so that an incoming CO call rings multiple extensions simultaneously.

<i>Parameter</i>	[Destinations] DN
<i>Default</i>	Blank
<i>Value Range</i>	3-4 digits consisting of 0-9
<i>Description/Function</i>	Specifies extensions and/or Extension Groups that you are going to assign to the specified Incoming Group.

Notes

- DN of VPS port cannot be assigned as a mailbox number and an Incoming Group destination.
- Only DN of an extension or FDN of an extension group can be assigned as an Incoming Group destination.

Reference

- 1.3 System Features (F/G)
 - Flexible Numbering
- 2.3 Numbering Plan (P/G)

<i>Parameter</i>	[Destinations] Ringing Type
<i>Default</i>	Immediate
<i>Value Range</i>	1. Immediate 2. 1-ring Delay 3. 3-ring Delay 4. 6-ring Delay 5. No Ring
<i>Description/Function</i>	Specifies the ringing delay of the calls arriving at extensions whose "Group Type" programming is specified as "DIL 1:N." 1. Immediate: An extension rings immediately. 2. 1-ring Delay: An extension rings in 1-ring delay timing. 3. 3-ring Delay: An extension rings in 3-ring delay timing. 4. 6-ring Delay: An extension rings in 6-ring delay timing. 5. No Ring: An extension does not ring.
<i>Reference</i>	• 1.3 System Features (F/G) – DIL 1:N Group • 1.13 Audible Tone Features (F/G) – Ringing, Delayed

3.6 OGM Group

Used to assign parameters for OGM Groups (1-8).

OGM resources on the DISA card can be grouped together as an OGM Group.

<i>Parameter</i>	Group No.
<i>Default</i>	1
<i>Value Range</i>	1-8
<i>Description/Function</i>	Specifies the OGM Group (1-8) which you are going to programme.
<i>Reference</i>	None

<i>Parameter</i>	FDN
<i>Default</i>	Blank
<i>Value Range</i>	3-4 digits consisting of 0-9
<i>Description/Function</i>	Specifies the FDN (Floating Directory Number) for each OGM group.
<i>Reference</i>	1.3 System Features (F/G) – Floating Station

<i>Parameter</i>	DN Refer
<i>Default</i>	—
<i>Value Range</i>	—
<i>Description/Function</i>	Displays the list of DNs/FDNs which are already assigned to the extensions / system resources.
<i>Reference</i>	None

<i>Parameter</i>	Tenant No.
<i>Default</i>	1
<i>Value Range</i>	1-8
<i>Description/Function</i>	Specifies the tenant (1-8) to which you are going to assign this OGM Group.
<i>Reference</i>	• 1.3 System Features (F/G) – Tenant Service • 2.2 Tenant (P/G)

<i>Parameter</i>	OGM Type
<i>Default</i>	DISA
<i>Value Range</i>	1. DISA 2. UCD-OGM 3. Wake-up
<i>Description/Function</i>	Specifies the usage of OGM resources on DISA cards. 1. DISA: OGM for DISA feature 2. UCD-OGM: OGM for UCD group 3. Wake-up: OGM for Wake-up message
<i>Reference</i>	• 1.5 Attended Features (F/G) – Direct Inward System Access (DISA)

Parameter	Security Mode
Default	Trunk
Value Range	1. None 2. Trunk 3. All
Description/Function	Specifies the Security Mode for DISA callers. (Assignable only when "DISA" is specified in "OGM Type" programming.) 1. <i>None (Non security mode)</i> DISA callers can make both outside and intercom calls via DISA without restriction. 2. <i>Trunk (Trunk Security mode)</i> DISA callers are required to enter a pre-assigned DISA user code to make outside calls via DISA. 3. <i>All (All Security mode)</i> DISA callers are required to enter a pre-assigned DISA user code to make both outside and intercom calls via DISA.
Reference	• 1.5 Attended Features (F/G) – Direct Inward System Access (DISA)

Parameter	[DISA built-in Automated Attendant Tables] Dial 0 - Dial 9
Default	Blank
Value Range	3-4 digits consisting of 0-9
Description/Function	Specifies the extension numbers to each DISA built-in Auto Attendant number. Both DN of extensions and FDN (Floating Directory Number) of extension groups, phantom extensions or TAFAS can be specified. (Assignable only when "DISA" is specified in "OGM Type" programming.) Note • A DISA caller can call those extensions simply by dialling a one-digit DISA built-in Auto Attendant number corresponding to the extension.
Reference	• 1.5 Attended Features (F/G) – Direct Inward System Access (DISA)

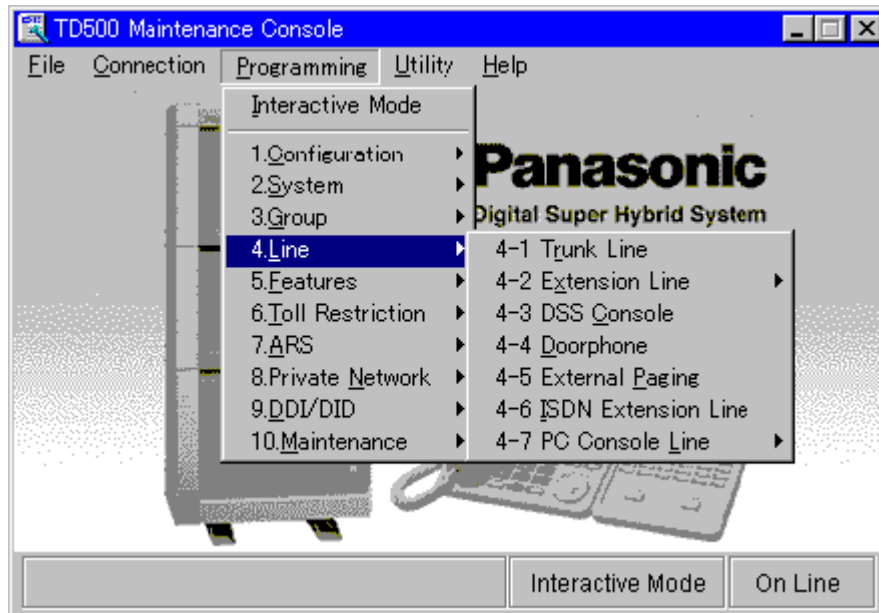
Group

Section 4

Line

4.1 Line

Used to assign various parameters for both trunk and extension lines.



4.2 Trunk Line

Used to assign various parameters for trunk lines.

4-1 Trunk Line

Card No. 106:ELCOT Port No. 1 Copy

Group No. 1 Name CO051 Incoming Type DIL Dial Type DTMF-80

Destination Day 1001 Night 1001 Lunch Break Subscriber (Max. 16 Digits)

DD/DID/TIE Digits to delete 0 Digit to receive DD/DID 4

Wink Signal Time-out 1024 ms Start Signal Type Immediate Wink

CPC Signal OUT Detection Enable Disable Detection Time None IN Detection Enable Disable Detection Time None

First Ring Delay Timer 0 s Reverse Signal Detection Enable Disable

Collect Call Enable Disable

Answer Wait Timer None

TIE Line Type 2 wires Sensitivity - IN EXT 0 dB CO 0 dB Sensitivity - OUT EXT 0 dB CO 0 dB TIE-to-CO Security Mode No Sending TIE Caller ID No

4-1 Trunk Line OK Apply Cancel Help

Trunk Line Copy

Used to copy a part of or all settings of a certain Trunk Line to all other same type Trunk Lines at a time. You can also specify one or several Trunk Lines as the copy destination. This copy function is available between the Trunk Lines of the same type Trunk Cards.

Copying the Trunk Line Parameters to Other Trunk Lines

1. Edit the parameters of the copy source Trunk Line and save it.
2. Point to the "Copy" button on "4-1 Trunk Line" screen of the copy source and click.
 - "Trunk Line Copy" screen is displayed.
 - The current Trunk Line (copy source) number is shown as "Copy from XXX XXXXX-XX."

Trunk Line Copy

Copy from 106 ELCOT-01

Copy Item

- ☐ Incoming Type
- ☒ Dial Type
- ☒ Destination Day
- ☒ Destination Night
- ☒ Destination Lunch
- ☒ Destination Break
- ☐ Start Signal Type
- ☒ CPC Signal OUT / IN
- ☒ Reverse Signal Detection
- ☐ Digit to receive DD/DID
- ☐ Wink Signal Time-out
- ☐ DDJ / DID / TIE Digits to delete
- ☐ DDJ / DID / TIE Number to be added
- ☒ TIE Line Type
- ☒ TIE Line Sensitivity - IN(CO)
- ☒ TIE Line Sensitivity - IN(EXT)
- ☒ TIE Line Sensitivity - OUT(CO)
- ☒ TIE Line Sensitivity - OUT(EXT)
- ☒ TIE Line TIE-to-CO Security Mode
- ☒ TIE Line Sending TIE Caller ID
- ☒ Collect Call
- ☒ Answer Wait Timer
- ☐ Subscriber
- ☒ First Ring Delay Timer

Destination Trunk Line

Card	Port
106 ELCOT-02	
106 ELCOT-03	
106 ELCOT-04	
106 ELCOT-05	
106 ELCOT-06	
106 ELCOT-07	
106 ELCOT-08	

Select All

Execute Cancel Help

3. Select the Trunk Line parameters to copy in "Copy Item" field.
 - Only parameters which are available to copy are shown in "Copy Item" field. This depends on the attribute of the copy source Trunk Line.
 - Items marked with "✓" are copied.
4. Point to the "Select All" button in the "Destination Trunk Line" field and click.
 - All displayed Trunk Line Nos. will be highlighted.
 - You can also specify one or several Trunk Lines as the copy destination by clicking it (them) directly.
5. Point to the "Execute" button and click.
 - "Are you sure?" is displayed.
6. Point to "Yes (Y)" button and click.
 - "Copying" is displayed while the source data is being copied to the destination.
 - Parameters of the destination Trunk Lines are immediately effective when copying is finished.

Parameter	Card No.
Default	—
Value Range	XXX : YYY [XXX : Card No. (101-314), YYY : Card Type]
Description/Function	Specifies the physical number of the trunk card and its type, which you are going to programme.
Reference	• 1.2 Slot Assignment (P/G)

Parameter	Port No.
Default	1
Value Range	1 - n [n = 4 (E&M / DID / DID-2W / DID-MFC / PCOT), n = 16 (BRI), n = 23 (PRI23), n = 24 (T1), n = 30 (PRI30), n = 31 (E1 except Port No.16), n = 8 (Others)]
Description/Function	Specifies the trunk port which you are going to programme.
Reference	• 1.3 Trunk Port Assignment (P/G)

Parameter	Copy
Default	—
Value Range	—
Description/Function	You can enter into "Trunk Line Copy" screen by clicking this button.
Reference	—

Parameter	Group No.
Default	(Display only)
Value Range	1-48
Description/Function	Displays the Trunk Group (1-48) to which the trunk line is assigned.

Note

- Each trunk line is assigned to a Trunk Group in Section "1.3 Trunk Port Assignment."

Reference	• 1.3 Trunk Port Assignment (P/G)
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<i>Parameter</i>	Name
Default	CO001-CO192
Value Range	Up to 10 characters consisting of 0-9, A-Z, a-z or the following marks: ! # \$ % * ' () + , - / : ; < = > ? @ &.
Description/Function	Specifies the name for the trunk line.
	Note This is shown on a display PT when receiving a call using this trunk.
Reference	1.17 Display Features (F/G) – Display, Call Information

<i>Parameter</i>	Incoming Type
Default	(1)DIL: ELCOT / GCOT / LCOT / PCOT / RCOT / T1 [GCO] / T1 [LCO] card (2)DID: DID / DID-2W / DID-MFC / E1 [DR2] / E1 [E&M-C (MFC-R2)] / E1 [E&M-P (MFC-R2)] / T1 [DID] card (3)TIE: E1 [E& M-C (Pulse, DTMF)] / E1 [E&M-P (Pulse, DTMF)] / E&M / T1 [TIE] card (4)DDI: BRI / PRI23 / PRI30 card
Value Range	- DIL - DID - TIE - DDI - MSN
Description/Function	Specifies how the incoming CO call via this trunk line is routed to the destination in the system. DIL Incoming CO calls are routed by DIL (Direct In Lines) 1:1 or 1:N feature. DID Incoming CO calls are routed by DID (Direct Inward Dialling) feature. TIE Incoming CO calls are routed by TIE Line feature. DDI Incoming CO calls are routed by ISDN DDI (Direct Dialling In) feature. MSN Incoming CO calls are routed by ISDN MSN (Multiple Subscriber Number) feature.

Parameter	Incoming Type
Description/Function	<Available selections and the default values per Card Type>

Card Type	Selection	Default
BRI	TIE/DDI/MSN	DDI
DID, DID-2W DID-MFC	DID	DID
E1	DIL/DID/TIE (Refer to the table below.)	DID/TIE (Refer to the table below.)
E&M, T1(TIE)	DIL/TIE	TIE
T1(DID)	DIL/DID	DID
LCOT, GCOT, RCOT, PCOT, ELCOT, T1(LCO), T1(GCO)	DIL	DIL
PRI23/PRI30	TIE/DDI	DDI

<Default values for E1 card per Channel Type / Receiver Type>

Channel Type	Receiver Type	Selection	Default
DR2	Pulse DTMF	DID / TIE	DID
	MFC-R2	DID	
E&M-C E&M-P	MFC-R2		
	Pulse DTMF	DIL / TIE	TIE

Note

- In some cases, the default cannot be changed.

Reference

- 1.5 Attended Features (F/G)
 - Direct In Lines (DIL)
 - Direct Inward Dialling (DID)
- 2.4 ISDN Attended Features (F/G)
 - Direct Dialling In (DDI)
- 3.1 TIE Line Features (F/G)
 - TIE Line Service

Parameter	Dial Type
Default	Pulse-10: [SA], DTMF-80: Others (DID-2W/E1/E&M/ELCOT/GCOT/LCOT/PCOT/RCOT/T1 card), ISDN (BRI/PRI23/PRI30 card), MFC-R2 (DID-MFC card)
Value Range	1. Pulse-10 (10 PPS) 2. Pulse-20 (20 PPS) 3. DTMF-80 (80 ms) 4. DTMF-160 (160 ms) 5. MFC-R2 6. ISDN
Description/Function	Specifies the dial type for each trunk line. This is the dial type regardless of the dial mode of the extension telephone. The dialling signals from any extension are converted to the dial type specified by this setting and transmitted to the trunk line.

<Available selections and the default values per Card Type>

Card Type	Selection	Default
BRI/PRI23/ PRI30	ISDN	ISDN
DID-MFC	MFC-R2	MFC-R2
DID-2W/ E&M/ ELCOT/ GCOT/ LCOT/ PCOT/ RCOT/T1	Pulse-10/Pulse-20/DTMF-80/ DTMF-160	DTMF-80* ¹ / Pulse-10* ²
E1	Pulse-10/Pulse-20/DTMF-80/ DTMF-160/MFC-R2	DTMF-80* ¹ / Pulse-10* ²

*¹) DTMF-80: Others

*²) Pulse-10: [SA]

Reference None

Parameter	Destination – Day / Night / Lunch / Break
Default	Day, Night: 1001, Lunch, Break: Blank
Value Range	3-4 digits consisting of 0-9
Description/Function	Specifies the destination for the trunk line whose "Incoming Type" is set to "DIL." The following numbers can be assigned as the destination: Extension numbers, FDNs. (Assignable only when " DIL " is specified in "Incoming Type" programming.)

Note

- When "Incoming Type" of the ISDN trunk line is set to "DDI," you can specify the destination DN/FDN as "Destination." In this case, the destination DN/FDN specified by this setting is available, not that specified in "9-1 Number Transformation" screen.

Reference	• 1.5 Attended Features (F/G) – Direct In Lines (DIL) • 2.4 ISDN Attended Features (F/G) – Direct Dialling In (DDI)
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Parameter	Subscriber
Default	Blank
Value Range	Up to 16 digits consisting of 0-9, *, or #
Description/Function	Specifies the number which is used as the CLIP / COLP or ANI (Automatic Number Indication) number.

Note

- Specify the registered Central Office calling number for correct operation of CLIP and COLP.

Reference	• 2.2 ISDN Originating Features (F/G) – Calling Line Identification Presentation (CLIP) • 2.3 ISDN Answering Features (F/G) – Connected Line Identification Presentation (COLP) • 3.3 Network Service Features (F/G) – Calling Line Identification Presentation (CLIP) – Connected Line Identification Presentation (COLP) • 2.7.5 Displaying Your Number on the Called Party and Calling Party's Telephone (Calling/Connected Line Identification Presentation [CLIP/COLP]) (U/M)
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<i>Parameter</i>	[DDI / DID / TIE] Digits to delete
<i>Default</i>	0
<i>Value Range</i>	0-16 digits
<i>Description/Function</i>	Specifies the number of digits to be deleted from the number received from the DDI / DID trunk / other PBX via TIE lines.
<i>Reference</i>	• 1.5 Attended Features (F/G) – Direct Inward Dialling (DID) • 2.4 ISDN Attended Features (F/G) – Direct Dialling In (DDI) • 3.1 TIE Line Features (F/G) – TIE Line Service

<i>Parameter</i>	[DDI / DID / TIE] Number to be added
<i>Default</i>	Blank
<i>Value Range</i>	Max. 8 digits consisting of 0-9
<i>Description/Function</i>	Specifies the number (1 to 8 digits) to be added to the number received from the DDI / DID trunk / other PBX via TIE lines.
<i>Reference</i>	• 1.5 Attended Features (F/G) – Direct Inward Dialling (DID) • 2.4 ISDN Attended Features (F/G) – Direct Dialling In (DDI) • 3.1 TIE Line Features (F/G) – TIE Line Service

<i>Parameter</i>	Digit to receive DDI / DID
<i>Default</i>	4 (DID / DID-2W / DID-MFC / E1[DR2] / T1[DID] card), 16 (BRI / PRI23 / PRI30 card)
<i>Value Range</i>	0-16 digits
<i>Description/Function</i>	Specifies the number of digits received from a DDI / DID trunk. (Assignable only when "Incoming Type" is set to "DDI" or "DID.")
	Note • In case of the following cards, a maximum number of digits to be received is limited to 7 digits; DID, DID-2W, DID-MFC, E1(DR2), T1(DID)
<i>Reference</i>	• 1.5 Attended Features (F/G) – Direct Inward Dialling (DID) • 2.4 ISDN Attended Features (F/G) – Direct Dialling In (DDI)

<i>Parameter</i>	Collect Call
<i>Default</i>	Enable
<i>Value Range</i>	1. Enable 2. Disable
<i>Description/Function</i>	Specifies whether to enable or disable receiving the collect calls via this trunk line. (Assignable only when E1 [DR2] / ELCOT / LCOT / RCOT / PCOT / DID / DID-2W / DID-MFC card is installed in the system.)
<i>Reference</i>	None

<i>Parameter</i>	Wink Signal Time-out
<i>Default</i>	1024 ms
<i>Value Range</i>	1. 64 ms 2. 128 ms 3. 256 ms 4. 512 ms 5. 1024 ms 6. 2048 ms 7. 4096 ms 8. 8128 ms
<i>Description/Function</i>	Specifies the length of time in milliseconds that the system is to wait for the Wink Signal after seizing the trunk. (Assignable only when "Start Signal Type" is set to "Wink"; the case of the E&M card is excluded.)
<i>Reference</i>	• 3.1 TIE Line Features (F/G) – TIE Line Service

<i>Parameter</i>	Start Signal Type
<i>Default</i>	Wink
<i>Value Range</i>	1. Immediate 2. Wink
<i>Description/Function</i>	Specifies the start signal type for a DID trunk and a TIE (E&M) trunk. 1. <i>Immediate</i> The system sends the dialling digits to CO after waiting for the time length determined by "First Dial Timer" in "Card Properties" screen of the corresponding trunk card. For information on "Card Properties" screen, please refer to "Card Type" in Section "1.2 Slot Assignment." 2. <i>Wink</i> The system sends the dialling digits to CO after receiving the wink signal.
<i>Reference</i>	• 3.1 TIE Line Features (F/G) – TIE Line Service

<i>Parameter</i>	Answer Wait Timer
<i>Default</i>	None
<i>Value Range</i>	1. None 2. 1 min 3. 2 min 4. 3 min 5. 4 min
<i>Description/Function</i>	Specifies the length of time in minutes the system waits, after an outgoing CO call is made, before the other party answers the call. If the call is not answered before this timer expires, the call will be disconnected automatically. (Assignable only when E1 / ELCOT / RCOT / T1 [TIE / DID] / DID-2W / DID-MFC / BRI / PRI23 / PRI30 card is installed in the system.)
<i>Reference</i>	None

<i>Parameter</i>	[CPC Signal] OUT Detection
<i>Default</i>	Enable: DID / DID-2W / DID-MFC / E1 [DR2] card, Disable: ELCOT / GCOT / LCOT / PCOT / RCOT / T1 [GCO] / T1 [LCO] card
<i>Value Range</i>	1. Enable 2. Disable
<i>Description/Function</i>	Specifies whether CPC Detection on outgoing CO calls is enabled or disabled. If enabled, the system disconnects the line with the time set in programme "[CPC Signal] OUT Detection - Detection Time" when the CPC signal is detected.
<i>Reference</i>	• 1.3 System Features (F/G) — Calling Party Control (CPC) Signal Detection

<i>Parameter</i>	[CPC Signal] OUT Detection - Detection Time (Type A)
<i>Default</i>	400 ms: [NZ], None: Others
<i>Value Range</i>	1. None 2. 6.5 ms 3. $(2-75) \times 8$ ms
<i>Description/Function</i>	Specifies the expected minimum duration for detecting CPC (Calling Party Control) signal on outgoing CO calls. Type A applies to the following cards: LCOT, ELCOT, GCOT, T1 [LCO], T1 [GCO], RCOT, PCOT
<i>Reference</i>	• 1.3 System Features (F/G) – Calling Party Control (CPC) Signal Detection

<i>Parameter</i>	[CPC Signal] OUT Detection - Detection Time (Type B)
<i>Default</i>	160 ms
<i>Value Range</i>	1. None 2. $(1-15) \times 80$ ms
<i>Description/Function</i>	Specifies the expected minimum duration for detecting CPC (Calling Party Control) signal on outgoing CO calls. Type B applies to the following cards: E1 [DR2], DID-2W, DID-MFC
<i>Reference</i>	• 1.3 System Features (F/G) – Calling Party Control (CPC) Signal Detection

<i>Parameter</i>	[CPC Signal] IN Detection
<i>Default</i>	[NZ]: Enable, Others (Enable: DID / DID-2W / DID-MFC / E1 [DR2] card, Disable: ELCOT / GCOT / LCOT / PCOT / RCOT / T1 [GCO] / T1 [LCO] card)
<i>Value Range</i>	1. Enable 2. Disable
<i>Description/Function</i>	Specifies whether CPC Detection on incoming CO calls is enabled or disabled. If enabled, the system disconnects the line with the time set in programme "[CPC Signal] IN Detection - Detection Time" when the CPC signal is detected.
<i>Reference</i>	• 1.3 System Features (F/G) – Calling Party Control (CPC) Signal Detection

<i>Parameter</i>	[CPC Signal] IN Detection - Detection Time (Type A)
<i>Default</i>	400 ms: [NZ], None: Others
<i>Value Range</i>	1. None 2. 6.5 ms 3. $(2-75) \times 8$ ms
<i>Description/Function</i>	Specifies the expected minimum duration for detecting CPC (Calling Party Control) signal on incoming CO calls. Type A applies to the following cards: LCOT, ELCOT, GCOT, T1 [LCO], T1 [GCO], RCOT, PCOT
<i>Reference</i>	• 1.3 System Features (F/G) – Calling Party Control (CPC) Signal Detection

<i>Parameter</i>	[CPC Signal] IN Detection - Detection Time (Type B)
<i>Default</i>	160 ms
<i>Value Range</i>	1. None 2. $(1-15) \times 80$ ms
<i>Description/Function</i>	Specifies the expected minimum duration for detecting CPC (Calling Party Control) signal on incoming CO calls. Type B applies to the following cards: E1 [DR2], DID-2W, DID-MFC
<i>Reference</i>	• 1.3 System Features (F/G) – Calling Party Control (CPC) Signal Detection

<i>Parameter</i>	[TIE Line] Type
<i>Default</i>	4 wires
<i>Value Range</i>	1. 2 wires 2. 4 wires
<i>Description/Function</i>	Specifies the voice path type of TIE Lines.
<i>Reference</i>	• 3.1 TIE Line Features (F/G) – TIE Line Service

<i>Parameter</i>	[TIE Line] Sensitivity - IN EXT
<i>Default</i>	0 dB
<i>Value Range</i>	- 3 to +6 dB in 3 dB increments
<i>Description/Function</i>	Specifies the voice level for reception.
<i>Reference</i>	• 3.1 TIE Line Features (F/G) – TIE Line Service

<i>Parameter</i>	[TIE Line] Sensitivity - IN CO
<i>Default</i>	0 dB
<i>Value Range</i>	- 3 to +6 dB in 3 dB increments
<i>Description/Function</i>	Specifies the voice level for reception.
<i>Reference</i>	• 3.1 TIE Line Features (F/G) – TIE Line Service

<i>Parameter</i>	[TIE Line] Sensitivity - OUT EXT
<i>Default</i>	0 dB
<i>Value Range</i>	- 3 to +6 dB in 3 dB increments
<i>Description/Function</i>	Specifies the voice level for transmission.
<i>Reference</i>	• 3.1 TIE Line Features (F/G) – TIE Line Service

<i>Parameter</i>	[TIE Line] Sensitivity - OUT CO
<i>Default</i>	0 dB
<i>Value Range</i>	- 3 to +6 dB in 3 dB increments
<i>Description/Function</i>	Specifies the voice level for transmission.
<i>Reference</i>	• 3.1 TIE Line Features (F/G) – TIE Line Service
<i>Parameter</i>	[TIE Line] Sending TIE Caller ID
<i>Default</i>	No
<i>Value Range</i>	1. No 2. Yes
<i>Description/Function</i>	Specifies whether to send or not the TIE Caller ID to the other end.
<i>Reference</i>	• 3.1 TIE Line Features (F/G) – TIE Line Service
<i>Parameter</i>	[TIE Line] TIE-to-CO Security Mode
<i>Default</i>	No
<i>Value Range</i>	1. No 2. Yes
<i>Description/Function</i>	Specifies whether to restrict the TIE-to-CO call or not. If set to "Yes," the TIE caller must enter a valid TIE User Code before making a CO call via this system.
<i>Reference</i>	• 3.1 TIE Line Features (F/G) – TIE Line Service
<i>Parameter</i>	First Ring Delay Timer
<i>Default</i>	0 s
<i>Value Range</i>	0-30 s
<i>Description/Function</i>	This option can be set to delay the first ring.
	Note • When Caller ID service is not utilised, setting this parameter to "0" is recommendable.
<i>Reference</i>	None

<i>Parameter</i>	Reverse Signal Detection
<i>Default</i>	Enable: [NZ], Disable: Others
<i>Value Range</i>	1. Enable 2. Disable
<i>Description/Function</i>	If an ELCOT / RCOT card is installed in the system, reversal of CO line polarity is monitored at each port by default. Specifies whether to enable or disable this monitoring function. (Assignable only when an ELCOT / RCOT card is installed in the system.)
<i>Reference</i>	None

4.3 Extension Line

4.3.1 Extension Line 1/2

Used to assign parameters for extension lines.

4-2 Extension Line 1/2

Card No. 101:DHLC Port No. 1 DN 1001 ... Group No. 128 Copy

Name [Max. 10 Characters] Message Lamp ☐ Yes ☒ No Mailbox No. [Max. 16 Digits] 1001 CO Key PE Key

Initial Display Selection Caller ID Charge Limit 0 COS No. Primary 1 Secondary 1

Preferred Line Outgoing Prime Line-ICM/PDN Key No. Incoming Ringing Line Key No.

LCS Setting Status ☒ Inactive ☐ Active Operation Mode ☐ Private ☒ Hands-free Recording Mode ☐ Keep Rec ☒ Stop Rec LCS Password [3 Digits]

JOG Dial Speed Normal CLIP/COLP Number [Max. 16 Digits] Public Private

Pickup Dialing Mode ☐ Enable ☒ Disable Dial

Data Line Mode ☐ Yes ☒ No Call Waiting Tone Type ☒ Tone 1 ☐ Tone 2

Call Pickup Deny ☐ Enable ☒ Disable Language ☒ English ☐ Option

Station Lock Password [3 Digits] ISDN Bearer Mode Automatic

Call Log Incoming Overwrite Mode ☒ Yes ☐ No Lock Password [3 Digits]

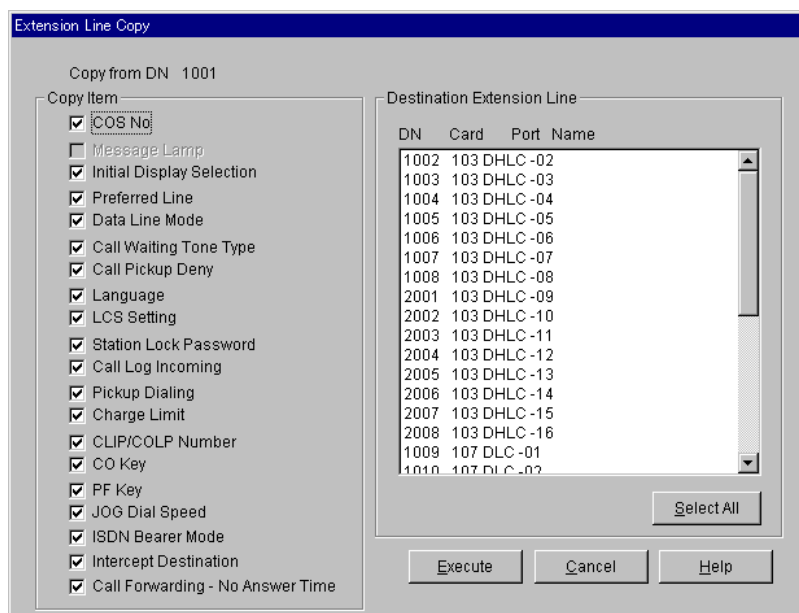
4-2 Extension Line 1/2 OK Apply Cancel Help

Extension Line Copy

Used to copy a part of or all settings of a certain Extension Line to all other Extension Lines at a time. You can also specify one or several Extension Lines as the copy destination.

Copying the Extension Line Parameters to Other Extension Lines

1. Edit the parameters of the copy source Extension Line and save it.
2. Point to the "Copy" button on "4-2 Extension Line" screen of the copy source and click.
 - "Extension Line Copy" screen is displayed.
 - The current Extension Line (copy source) number is shown as "Copy from DN XXXX."



3. Select the Extension Line parameters to copy in "Copy Item" field.
 - Only parameters which are available to copy are shown in "Copy Item" field. This depends on the attribute of the copy source Extension Line.
 - Items marked with "✓" are copied.
4. Point to the "Select All" button in the "Destination Extension Line" field and click.
 - All displayed Extension Line Nos. will be highlighted.
 - You can also specify one or several Extension Lines as the copy destination by clicking it (them) directly.
5. Point to the "Execute" button and click.
 - "Are you sure?" is displayed.
6. Point to "Yes (Y)" button and click.
 - "Copying" is displayed while the source data is being copied to the destination.
 - Parameters of the destination Extension Lines are immediately effective when copying is finished.

Parameter	Card No.
Default	—
Value Range	XXX : YYY [XXX : Card No. (101-314), YYY : Card Type]
Description/Function	Specifies the physical number of the extension card and its type, which you are going to programme.
Reference	• 1.2 Slot Assignment (P/G)

Parameter	Port No.
Default	1
Value Range	1-n [n = 4(OPX), 8(PLC/HLC/SLC/SLC-M), 16(DLC/DHLC/ESLC), 24 (T1[OPX])]
Description/Function	Specifies the extension port which you are going to programme.
	Note • Port Nos. 17-32 will be displayed when "DN" and "Group No." for "Ext No.2" are assigned in "1-4 VPS (DPT) Port Assignment" screen (Section 1.5).
Reference	• 1.4 Extension Port Assignment (P/G)

Parameter	DN
Default	—
Value Range	3-4 digits consisting of 0-9
Description/Function	Specifies the extension which you are going to programme.
Reference	• 1.4 Extension Port Assignment (P/G) • 2.3 Numbering Plan (P/G)

Parameter	Group No.
Default	(Display only)
Value Range	1-128
Description/Function	Displays the Extension Group to which the selected extension port is assigned.
	Note • Default Group No. for Ext. 1001 is 128.
Reference	• 1.4 Extension Port Assignment (P/G) • 3.3 Extension Group (P/G)

Parameter	Copy
Default	—
Value Range	—
Description/Function	You can enter into "Extension Line Copy" screen by clicking this button.
Reference	—

Parameter	Name
Default	Blank
Value Range	Up to 10 characters consisting of 0-9, A-Z, a-z or the following marks: ! # \$ % * ' () + , - / : ; < = > ? @ &.
Description/Function	Specifies the name for the extension line.

Note

- This is shown on the called party's display PT, so that he knows who is calling.

Reference	• 1.17 Display Features (F/G) – Display, Call Information
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Parameter	Message Lamp
Default	No
Value Range	1. Yes 2. No
Description/Function	Assigns whether an SLT with MESSAGE lamp can receive the message waiting indication or not. (Assignable when an SLT with Message lamp is interfaced by an SLC-M or ESLC card.)
Reference	• 1.17 Display Features (F/G) – Message Waiting

Parameter	Mailbox No.
Default	Same as the extension number
Value Range	Up to 16 digits consisting of 0 - 9, *, # or P [Pause]
Description/Function	Specifies the mailbox number which is usually the same as the extension number.
	Note This mailbox number is sent to the VPS as Follow-on ID when Inband Integration is activated.
Reference	None

Parameter	CO Key
Default	—
Value Range	—
Description/Function	You can enter into "Flexible CO Key" screen (Section 4.3.2) by clicking [CO Key] button on this screen.
Reference	4.1.2 Customising the Buttons (U/M)

Parameter	PF Key
Default	—
Value Range	—
Description/Function	You can enter into "Flexible PF Key" screen (Section 4.3.3) by clicking [PF Key] button on this screen.
Reference	4.1.2 Customising the Buttons (U/M)

Parameter	Initial Display Selection
Default	Caller ID
Value Range	- Caller ID - Trunk Name - DDI / DID Name
Description/Function	Specifies the initial display of a display PT when an incoming CO call with Caller ID information comes in on it.
Reference	4.1.1 Initial Settings (U/M)

<i>Parameter</i>	Charge Limit
<i>Default</i>	0
<i>Value Range</i>	0: No limit 1-99999: The number of charge metre allowable for the extension
<i>Description/Function</i>	Used to determine the sum total of telephone charge allowable to extension users on an extension basis. If the telephone charge on the extension exceeds the limit, a toll call cannot be made anymore from that extension.

Note

- If the charge limit is set to "0," no restriction is applied.

<i>Reference</i>	• 4.2 Charge Fee Management (Station Programming) (U/M) • 1.3 System Features (F/G) – Budget Management
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<i>Parameter</i>	[COS No.] Primary
<i>Default</i>	1
<i>Value Range</i>	1-96
<i>Description/Function</i>	Specifies the Primary COS (Class of Service) to the extension.
<i>Reference</i>	• 1.3 System Features (F/G) – Class of Service (COS) – Hotel Application • 3.1.5 Changing Service Level of Extensions (Switching COS) (U/M) • 3.2.6 Hotel Use Features (Hotel Application) [KX-T7436, KX-T7235 only] (U/M)

<i>Parameter</i>	[COS No.] Secondary
<i>Default</i>	1
<i>Value Range</i>	1-96
<i>Description/Function</i>	Specifies the Secondary COS (Class of Service) to the extension.
<i>Reference</i>	• 1.3 System Features (F/G) – Class of Service (COS) – Hotel Application • 3.1.5 Changing Service Level of Extensions (Switching COS) (U/M) • 3.2.6 Hotel Use Features (Hotel Application) [KX-T7436, KX-T7235 only] (U/M)

<i>Parameter</i>	[Preferred Line] Outgoing
<i>Default</i>	Prime Line - ICM/PDN
<i>Value Range</i>	1. No Line 2. Idle Line 3. Prime Line - ICM / PDN 4. Prime Line - CO
<i>Description/Function</i>	Specifies the line to which the extension is connected automatically when the extension user goes off-hook to make a call.
<i>Reference</i>	• 4.1.1 Initial Settings (U/M) • 1.6 Originating Features (F/G) – Line Preference—Outgoing (Idle Line/No Line/Prime Line)

<i>Parameter</i>	[Preferred Line] Outgoing - Key No.
<i>Default</i>	Blank
<i>Value Range</i>	1-24
<i>Description/Function</i>	Specifies the CO button to which the extension is connected when the extension user goes off-hook to make a call. This assignment is required when "Prime Line - CO" is specified in "[Preferred Line] Outgoing" programming.
<i>Reference</i>	• 4.1.1 Initial Settings (U/M) • 1.6 Originating Features (F/G) – Line Preference—Outgoing (Idle Line/No Line/Prime Line)

<i>Parameter</i>	[Preferred Line] Incoming
<i>Default</i>	Ringing Line
<i>Value Range</i>	1. No Line 2. Ringing Line 3. Prime Line - ICM / PDN 4. Prime Line - CO
<i>Description/Function</i>	Specifies the line to which the extension is connected automatically when the extension user goes off-hook to answer a call.
<i>Reference</i>	• 4.1.1 Initial Settings (U/M) • 1.9 Answering Features (F/G) – Line Preference—Incoming (No Line/Prime Line/Ringing Line)

<i>Parameter</i>	[Preferred Line] Incoming - Key No.
<i>Default</i>	Blank
<i>Value Range</i>	1-24
<i>Description/Function</i>	Specifies the CO button to which the extension is connected when the extension user goes off-hook to answer a call. This assignment is required when "Prime Line - CO" is specified in "[Preferred Line] Incoming" programming.
<i>Reference</i>	• 4.1.1 Initial Settings (U/M) • 1.9 Answering Features (F/G) – Line Preference—Incoming (No Line/Prime Line/Ringing Line)

<i>Parameter</i>	[Pickup Dialing] Mode
<i>Default</i>	Disable
<i>Value Range</i>	1. Enable 2. Disable
<i>Description/Function</i>	Specifies whether "Pickup Dialling" feature is enabled or not.
<i>Reference</i>	• 1.7 Dialling Features (F/G) – Pickup Dialling (Hot Line) • 2.2.2 Easy Dialling (U/M)

<i>Parameter</i>	[Pickup Dialing] Dial
<i>Default</i>	(Display only)
<i>Value Range</i>	Up to 24 digits
<i>Description/Function</i>	Displays the telephone number for "Pickup Dialling" feature. The system automatically dials this number when an extension user goes off-hook to make a call, if "Pickup Dialling" is enabled.
<i>Reference</i>	• 1.7 Dialling Features (F/G) – Pickup Dialling (Hot Line) • 2.2.2 Easy Dialling (U/M)

<i>Parameter</i>	[LCS Setting] Status
<i>Default</i>	Inactive
<i>Value Range</i>	1. Inactive 2. Active
<i>Description/Function</i>	Specifies whether or not the extension can use the LCS (Live Call Screening) feature.
<i>Reference</i>	• 1.9 Answering Features (F/G) – Live Call Screening (LCS)

<i>Parameter</i>	[LCS Setting] Operation Mode
<i>Default</i>	Hands-free
<i>Value Range</i>	1. Private 2. Hands-free
<i>Description/Function</i>	Assigns whether the voice message being recorded is monitored automatically through the built-in speaker (Hands-free mode) or an alert tone is sent (Private mode) while an incoming caller is leaving a message in the mailbox of the extension.
<i>Reference</i>	• 1.9 Answering Features (F/G) – Live Call Screening (LCS) • 4.1.1 Initial Settings (U/M)

<i>Parameter</i>	[LCS Setting] Recording Mode
<i>Default</i>	Stop Rec
<i>Value Range</i>	1. Keep Rec 2. Stop Rec
<i>Description/Function</i>	Assigns whether to close the mailbox or keep recording the conversation after a call is interrupted.
<i>Reference</i>	• 1.9 Answering Features (F/G) – Live Call Screening (LCS)

<i>Parameter</i>	[LCS Setting] LCS Password
<i>Default</i>	Blank
<i>Value Range</i>	Fixed to 3 digits consisting of 0-9
<i>Description/Function</i>	Specifies the 3-digit password for LCS settings.
<i>Reference</i>	• 1.9 Answering Features (F/G) – Live Call Screening (LCS) • 2.8.3 If a Voice Processing System is Connected (U/M)

<i>Parameter</i>	Data Line Mode
<i>Default</i>	No
<i>Value Range</i>	1. Yes 2. No
<i>Description/Function</i>	Assigns whether "Data Line Security mode" is available or not. If set to "No," setting "Data Line Security mode" by dialling the feature number is impossible.
<i>Reference</i>	• 1.12 Conversation Features (F/G) – Data Line Security • 2.7.11 Protecting Your Line against Indication Tones (Data Line Security) (U/M)

<i>Parameter</i>	Call Waiting Tone Type
<i>Default</i>	Tone 1
<i>Value Range</i>	1. Tone 1 2. Tone 2
<i>Description/Function</i>	Specifies the type of Call Waiting Tone for PT extensions. Please refer to Section "5.4 What is This Tone?" in the User Manual for detailed information on Tone Type.
<i>Reference</i>	• 2.4.4 Answering a Call Waiting (U/M) • 4.1.1 Initial Settings (U/M)

<i>Parameter</i>	Call Pickup Deny
<i>Default</i>	Disable
<i>Value Range</i>	1. Enable 2. Disable
<i>Description/Function</i>	Enables or disables Call Pickup Deny mode.
<i>Reference</i>	• 1.9 Answering Features (F/G) – Call Pickup • 2.7.8 Denying Other People the Possibility of Picking up Your Calls (Call Pickup Deny) (U/M)

<i>Parameter</i>	Language
<i>Default</i>	English
<i>Value Range</i>	1. English 2. Option
<i>Description/Function</i>	Specifies the language shown on a PANASONIC display PT. The language is set for each extension, so phones on the same system can display different languages.
	<u>Notes</u> • French is stored as default Optional Language at the factory. You can replace French with one of the other optional languages. Please refer to Section "2.9 Language Data" for further information on Optional Language. • With the DPT with a 6-line LCD (KX-T7436, KX-T7235, KX-T7536, etc.), Russian cannot be indicated.
<i>Reference</i>	• 4.1.1 Initial Settings (U/M) • 1.17 Display Features (F/G) – Bilingual Display

<i>Parameter</i>	Station Lock Password
<i>Default</i>	Blank
<i>Value Range</i>	Fixed to 3 digits consisting of 0-9
<i>Description/Function</i>	Specifies the 3-digit password that lets the extension user lock or unlock his own extension (Electronic Station Lockout).
<i>Reference</i>	• 1.6 Originating Features (F/G) – Electronic Station Lockout • 2.5.4 Preventing Other People from Making Outside Calls Using Your Telephone (Electronic Station Lockout) (U/M)

<i>Parameter</i>	ISDN Bearer Mode
<i>Default</i>	Automatic
<i>Value Range</i>	1. Automatic 2. Speech 3. 3.1 KHz Audio
<i>Description/Function</i>	Specifies the ISDN Bearer Mode on an extension basis.
	<u>Note</u> • When "Automatic" (Default) is selected, Bearer Mode is set automatically depending on the type of extension telephone as follows: PT - Speech, SLT - 3.1 KHz Audio, ISDN extension - depending on the bearer mode of the ISDN extension.
<i>Reference</i>	• 2.1 ISDN Features (F/G) – Integrated Services Digital Network (ISDN)

<i>Parameter</i>	JOG Dial Speed
<i>Default</i>	Normal
<i>Value Range</i>	1. Normal 2. High
<i>Description/Function</i>	Specifies the rotation speed of the JOG Dial on the KX-T7400 series PTs (except KX-T7451) and KX-T7500 series PTs.
<i>Reference</i>	None

<i>Parameter</i>	[CLIP / COLP Number] Public
<i>Default</i>	Blank
<i>Value Range</i>	Up to 16 digits consisting of 0 - 9, *, or #
<i>Description/Function</i>	Specifies a CLIP / COLP or ANI (Automatic Number Indication) number used for the incoming / outgoing calls via Public Switched Telephone Network to each extension.

Notes

- The KX-TD500 System is designed and manufactured in accordance with the following ETS (European Telecommunication Standard) specifications: **ETS 300 122 Generic Keypad protocol for the support of supplementary services.**
- Specify the registered Central Office calling number for correct operation of CLIP and COLP.

Reference

- 2.2 ISDN Originating Features (F/G)
 - Calling Line Identification Presentation (CLIP)
- 2.3 ISDN Answering Features (F/G)
 - Connected Line Identification Presentation (COLP)
- 3.3 Network Service Features (F/G)
 - Calling Line Identification Presentation (CLIP)
 - Connected Line Identification Presentation (COLP)
- 2.7.5 Displaying Your Number on the Called Party and Calling Party's Telephone (Calling/Connected Line Identification Presentation [CLIP/COLP]) (U/M)

<i>Parameter</i>	[CLIP / COLP Number] Private
<i>Default</i>	Blank
<i>Value Range</i>	Up to 16 digits consisting of 0 - 9, * or #
<i>Description/Function</i>	Specifies a CLIP / COLP or ANI (Automatic Number Indication) number used for the incoming / outgoing calls via Private Network to each extension.

Notes

- The KX-TD500 System is designed and manufactured in accordance with the following ETS (European Telecommunication Standard) specifications: **ETS 300 122 Generic Keypad protocol for the support of supplementary services.**
- Specify the registered Central Office calling number for correct operation of CLIP and COLP.

<i>Reference</i>	• 2.2 ISDN Originating Features (F/G) – Calling Line Identification Presentation (CLIP) • 2.3 ISDN Answering Features (F/G) – Connected Line Identification Presentation (COLP) • 3.3 Network Service Features (F/G) – Calling Line Identification Presentation (CLIP) – Connected Line Identification Presentation (COLP) • 2.7.5 Displaying Your Number on the Called Party and Calling Party's Telephone (Calling/Connected Line Identification Presentation [CLIP/COLP]) (U/M)
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<i>Parameter</i>	[Call Log Incoming] Overwrite Mode
<i>Default</i>	Yes
<i>Value Range</i>	1. Yes 2. No
<i>Description/Function</i>	Enables or disables Call Log Incoming, Overwrite Mode. If the Call Log is full (30 call records are already logged) when a new Caller ID call comes in. 1. Yes : The new call record overwrites the oldest one in the Call Log. 2. No : The new call record is not logged.
<i>Reference</i>	• 2.10.1 Calling Using the Call Log (Incoming Call Log) [KX-T7433, KX-T7436, KX-T7230, KX-T7235 only] (U/M)

<i>Parameter</i>	[Call Log Incoming] Lock Password
<i>Default</i>	Blank
<i>Value Range</i>	Fixed to 3 digits consisting of 0-9
<i>Description/Function</i>	Specifies the Call Log Incoming, Log Lock password. The extension user can lock the call log display so that incoming call information is not shown on the display.
Note The Manager and the Operators can cancel the Call Log Lock in case the extension user forgets the lock code. (Incoming Call Log Lock Control)	
<i>Reference</i>	2.10.3 Denying Other People the Possibility of Seeing Your Call Log (Incoming Call Log Lock) [KX-T7433, KX-T7436, KX-T7230, KX-T7235 only] (U/M)

4.3.2 Flexible CO Key Assignment

Used to determine the usage of flexible CO buttons on PTs.

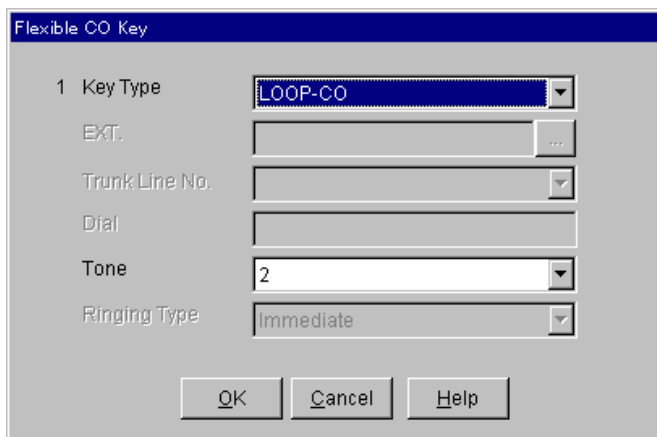
The following screen is displayed by clicking "CO Key" button on "4-2 Extension Line" screen.

The screenshot shows a window titled "Flexible CO Key (EXT1001)". Inside, there is a grid of 24 buttons arranged in 4 rows and 6 columns. Each button has a label (CO 01 to CO 24) and a status below it. Most buttons show "Not Stored". The button for CO 01 shows "LOOP-CO". At the bottom right, there are three buttons: "OK", "Cancel", and "Help".

CO 19	CO 20	CO 21	CO 22	CO 23	CO 24
-	-	-	-	-	-
Not Stored	Not Stored	Not Stored	Not Stored	Not Stored	Not Stored
CO 13	CO 14	CO 15	CO 16	CO 17	CO 18
-	-	-	-	-	-
Not Stored	Not Stored	Not Stored	Not Stored	Not Stored	Not Stored
CO 07	CO 08	CO 09	CO 10	CO 11	CO 12
-	-	-	-	-	-
Not Stored	Not Stored	Not Stored	Not Stored	Not Stored	Not Stored
CO 01	CO 02	CO 03	CO 04	CO 05	CO 06
-	-	-	-	-	-
LOOP-CO	Not Stored	Not Stored	Not Stored	Not Stored	Not Stored

<Key Type Assignment>

The following Key Type Assignment screen is displayed by clicking "Key Type Display" button (including "Not Stored") for each CO key on the above screen.



The image shows a dialog box titled "Flexible CO Key". It contains several fields for configuration:

- 1 Key Type:** A dropdown menu with "LOOP-CO" selected.
- EXT.:** A text input field.
- Trunk Line No.:** A dropdown menu.
- Dial:** A text input field.
- Tone:** A dropdown menu with "2" selected.
- Ringing Type:** A dropdown menu with "Immediate" selected.

At the bottom of the dialog are three buttons: "OK", "Cancel", and "Help".

<Additional Parameters Required by Key Type>

Depending on a Key Type, additional parameters are required as follows.

Key Type	Additional Parameters (default)	Description
SINGLE-CO	Trunk Line No.	Specifies the trunk port physical number (10101 to 31416).
	Tone (2)	Specifies the ringer frequency (ring tone type: 1-8) for incoming calls.
GROUP-CO	Trunk Group No.	Specifies the Trunk Group number (01 - 48).
	Tone (2)	Specifies the ringer frequency (ring tone type: 1-8) for incoming calls.
LOOP-CO	Tone (2)	Specifies the ringer frequency (ring tone type: 1-8) for incoming calls.
DSS	EXT.	Specifies the extension number (3 or 4 digits).
PHANTOM	EXT.	Specifies the phantom extension number (3 or 4 digits).
	Ringing (Yes)	Specifies whether the extension rings or not when a call to a phantom button comes in on the extension.
PDN	Tone (2)	Specifies the ringer frequency (ring tone type: 1 - 8) for incoming calls.
	Ringing Type (Immediate)	Specifies the timing of ringing when a call comes in on the extension: Immediate, 1-ring Delay, 3-ring Delay, 6-ring Delay, No Ring

Key Type	Additional Parameters (default)	Description
SDN	EXT.	Specifies the PDN owner's extension number (3 or 4 digits).
	Tone (2)	Specifies the ringer frequency (ring tone type: 1 - 8) for incoming calls.
	Ringing Type (Immediate)	Specifies the timing of ringing when a call comes in on the extension: Immediate, 1-ring Delay, 3-ring Delay, 6-ring Delay, No Ring
G-FWD	DN	Specifies the Floating Directory Number of the Incoming Group.
G-LOGIN/ LOGOUT	DN	Specifies the Floating Directory Number of the Incoming Group.
ONE-TOUCH	Dial	Specifies the telephone number or feature access number (up to 24 digits consisting of 0 - 9, *, #, -, P, S or F). Note P: Pause, S: Secret Dialling, F: Hook Flash
VTR	DN	Specifies the Directory Number of the Voice Mail extension.
2WAY-REC	DN	Specifies the Directory Number of the Voice Mail extension.
2WAY-TRN	DN	Specifies the Directory Number of the Voice Mail extension.
SS	Dial	Specifies the telephone number or feature access number (up to 24 digits consisting, of 0-9, *, #, -, P, S or F). Note P: Pause, S: Secret Dialling, F: Hook Flash

<i>Parameter</i>	Key Type
<i>Default</i>	CO-01: Loop-CO, Others: Not Stored
<i>Value Range</i>	Please refer to "Description / Function."
<i>Description/Function</i>	Not Stored: Key Type is not assigned. SINGLE-CO: Single-CO button GROUP-CO: Group-CO button LOOP-CO: Loop-CO button DSS: Direct Station Selection button PHANTOM: Phantom button PDN: Primary Directory Number button SDN: Secondary Directory Number button ONE-TOUCH: One-Touch Dial button MESSAGE: Message Waiting button FWD / DND: Call Forwarding / Do Not Disturb button G-FWD: Group Call Forwarding button SAVE: Saved Number Redial button ACCOUNT: Account Code entry button CONF: Conference button VTR: Voice Mail Transfer button LOGIN / LOGOUT: Login / Logout button G-LOGIN / LOGOUT: Group Login / Logout button 2WAY-REC: Two-way Recording button 2WAY-TRN: Two-way Transfer button LCS: Live Call Screening button LCS CANCEL: Live Call Screening Cancel button DAY / NIGHT: Day / Night switching button ALARM: Alarm button ANSWER: Answer button RELEASE: Release button TONE THROUGH: Tone Through button SS: ISDN Service button ALERT: Alert button

Notes

- SS (ISDN Service) button is used for "ISDN Network Service Access" feature (Please refer to Section "2.2 ISDN Originating Features" in the Features Guide). This service may not work properly, if your ISDN Service carrier does not support this service.
- The KX-TD500 System is designed and manufactured in accordance with the following ETS (European Telecommunication Standard) specifications: **ETS 300 122 Generic Keypad protocol for the support of supplementary services.**

Reference •4.1.2 Customising the Buttons (U/M)

4.3.3 Flexible PF Key Assignment for PT

Used to determine the usage of flexible PF buttons on PTs.

The following screen is displayed by clicking "PF Key" button on "4-2 Extension Line" screen.

Flexible PF Key (EXT1001)

PF 07	PF 08	PF 09	PF 10	PF 11	PF 12
-	-	-	-	-	-
Not Stored	Not Stored	Not Stored	Not Stored	Not Stored	Not Stored

PF 01	PF 02	PF 03	PF 04	PF 05	PF 06
-	-	-	-	-	-
Not Stored	Not Stored	Not Stored	Not Stored	Not Stored	Not Stored

OK Cancel Help

<Key Type Assignment>

The following Key Type Assignment screen is displayed by clicking "Key Type Display" button (including "Not Stored") for each PF Key on the above screen.

Flexible PF Key

1 Key Type Not Stored

Dial

Name

DN ...

OK Cancel Help

<Additional Parameters Required by Key Type>

Depending on a Key Type, additional parameters are required as follows.

Key Type	Additional Parameters	Description
ONE-TOUCH	Dial	Specifies the telephone number or feature access number (up to 24 digits consisting of 0 - 9, *, #, -, P, S or F). Note • P: Pause, S: Secret Dialling, F: Hook Flash
	Name	Specifies the name for One-Touch dial (up to 10 characters consisting of 0-9, A-Z, a-z or the following marks: ! # \$ % * () +, - / : ; < = > ? @ &.)
VTR	DN	Specifies the Directory Number of the Voice Mail extensions.
SS	Dial	Specifies the telephone number or feature access number (up to 24 digits consisting of 0-9, *, #, -, P, S or F). Note • P: Pause, S: Secret Dialling, F: Hook Flash

Parameter	Key Type
Default	Not Stored
Value Range	Please refer to "Description / Function."
Description/Function	Not Stored: Key Type is not assigned. ONE-TOUCH: One-Touch Dial button FWD / DND: Call Forwarding / Do Not Disturb button SAVE: Saved Number Redial button ACCOUNT: Account Code entry button CONF: Conference button VTR: Voice Mail Transfer button ANSWER: Answer button RELEASE: Release button SS: ISDN Service button
Reference	4.1.2 Customising the Buttons (U/M)

4.3.4 Extension Line 2/2

Used to assign parameters for extension lines.

<i>Parameter</i>	Intercept Destination – Day / Night
<i>Default</i>	Blank
<i>Value Range</i>	3-4 digits consisting of 0-9
<i>Description/Function</i>	Specifies the destination extension (3 or 4 digits) for Intercept Routing feature in both Day and Night modes respectively.
Notes	
- Intercept Routing provides an automatic re-direction of calls that have not been answered. - There are six possible destinations of intercepted call: (1) An extension, (2) an external pager (TAFAS), (3) an OGM group, (4) an extension group, (5) an incoming group, or (6) a phantom extension.	
<i>Reference</i>	1.11 Transferring Features (F/G) – Intercept Routing

<i>Parameter</i>	Call Forwarding-No Answer Time
<i>Default</i>	0 ring
<i>Value Range</i>	0-12 rings
<i>Description/Function</i>	Specifies the number of rings before the Call Forwarding No Answer feature is activated. If a call is not answered before the programmed number of rings, the call is redirected to the pre-assigned extension.
	<u>Notes</u> • This timer is also used for Intercept Routing. If an incoming DISA call to the Intercept Routing destination is not answered before this timer expires, the call will be disconnected. • If "0" is specified, "Call Forwarding-No Answer Time" in Section "2.5 System Timer" setting works.
<i>Reference</i>	• 1.11 Transferring Features (F/G) – Call Forwarding • 2.5.1 Forwarding Your Calls (Call Forwarding) (U/M) • 2.5 System Timer (P/G)

4.4 DSS Console

Used to assign the paired extension for a DSS (Direct Station Selection) Console and the usage of DSS and PF buttons.

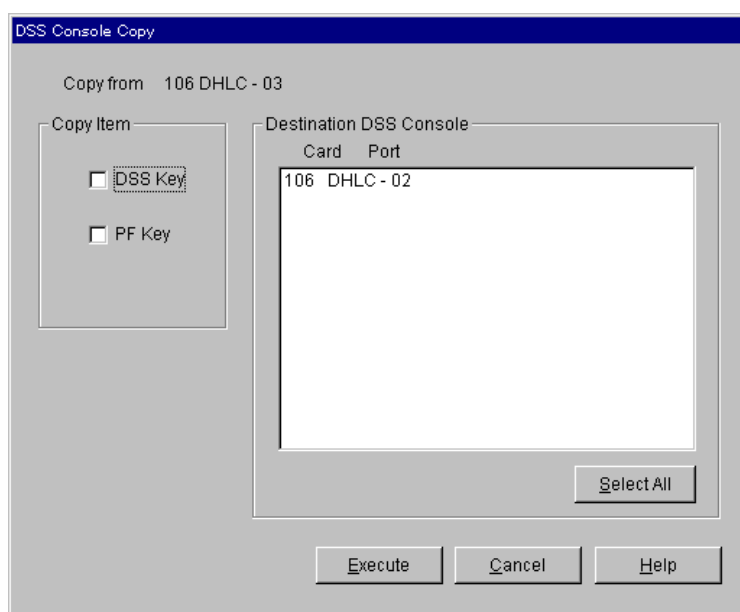
The screenshot shows a software window titled "4-3 DSS Console". At the top, there is a "Paired Extension" dropdown menu set to "1001". Below this, the window is organized into two columns, each containing four console configuration blocks labeled "DSS Console 1" through "DSS Console 8". Each block includes a "Port No." text field, a "Model" dropdown menu, and two buttons: "DSS Key" and "PF Key". Additionally, each block has "Copy" and "Apply" buttons. At the bottom of the window, there is a "4-3 DSS Console" dropdown menu, a "Cancel" button, and a "Help" button.

DSS Console Copy

Used to copy a part of or all settings of a certain DSS Console to all other DSS Consoles at a time. You can also specify one or several DSS Consoles as the copy destination.

Copying the DSS Console Parameters to Other DSS Consoles

1. Edit the parameters of the copy source DSS Console and save it.
2. Point to the "Copy" button on "4-3 DSS Console" screen of the copy source and click.
 - "DSS Console Copy" screen is displayed.
 - The current DSS Console (copy source) number is shown as "Copy from XXX XXXXX- XX."



3. Select the DSS Console parameters to copy in "Copy Item" field.
 - Items marked with "✓" are copied.
4. Point to the "Select All" button in the "Destination DSS Console" field and click.
 - All displayed DSS Console Nos. will be highlighted.
 - You can also specify one or several DSS Consoles as the copy destination by clicking it (them) directly.
5. Point to the "Execute" button and click.
 - "Are you sure?" is displayed.
6. Point to "Yes (Y)" button and click.
 - "Copying" is displayed while the source data is being copied to the destination.
 - Parameters of the destination DSS Consoles are immediately effective when copying is finished.

Notes

- Flexible DSS / PF Key Assignment should be done before executing this copy function.
- Copy function is not available in the Interactive mode.

<i>Parameter</i>	Paired Extension
<i>Default</i>	(Display only)
<i>Value Range</i>	3-4 digits consisting of 0-9
<i>Description/Function</i>	Displays the extension paired with the DSS console.
<i>Reference</i>	• 1.15 Proprietary Telephone Features (F/G) – DSS Console
<i>Parameter</i>	[DSS Console 1-8] Port No.
<i>Default</i>	(Display only)
<i>Value Range</i>	Extension port physical number
<i>Description/Function</i>	Displays the extension port to which the DSS console is connected.
<i>Reference</i>	• 1.15 Proprietary Telephone Features (F/G) – DSS Console • 1.4 Extension Port Assignment (P/G)
<i>Parameter</i>	[DSS Console 1-8] Model
<i>Default</i>	T7540: [AG], [SA], T7440: Others
<i>Value Range</i>	1. T7440 2. T7441 3. Others 4. T7540 5. T7541
<i>Description/Function</i>	Specifies the Model No. of DSS console.
<i>Reference</i>	• 1.15 Proprietary Telephone Features (F/G) – DSS Console
<i>Parameter</i>	DSS Key
<i>Default</i>	—
<i>Value Range</i>	—
<i>Description/Function</i>	You can enter into "Flexible DSS Key" screen (Section 4.4.1) by clicking [DSS Key] button on this screen.
<i>Reference</i>	• 4.1.2 Customising the Buttons (U/M)

<i>Parameter</i>	PF Key
<i>Default</i>	—
<i>Value Range</i>	—
<i>Description/Function</i>	You can enter into "Flexible PF Key" screen (Section 4.4.2) by clicking [PF Key] button on this screen.
<i>Reference</i>	• 4.1.2 Customising the Buttons (U/M)

<i>Parameter</i>	Copy
<i>Default</i>	—
<i>Value Range</i>	—
<i>Description/Function</i>	You can enter into "DSS Console Copy" screen by clicking this button.
<i>Reference</i>	—

4.4.1 Flexible DSS Key Assignment

Used to determine the usage of flexible DSS buttons on DSS Consoles.

The following screen is displayed by clicking "DSS Key" button on "4-3 DSS Console" screen.

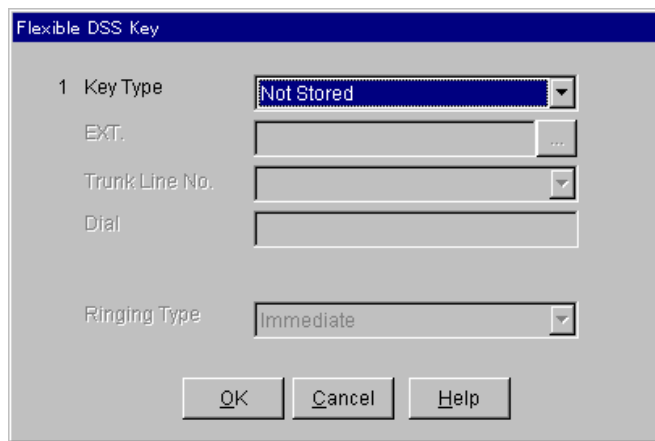
Flexible DSS Key (T7440)

DSS 04 -	DSS 15 -	DSS 26 -	DSS 37 -	DSS 48 -	DSS 59 -
Not Stored	Not Stored	Not Stored	Not Stored	Not Stored	Not Stored
DSS 03 -	DSS 14 -	DSS 25 -	DSS 36 -	DSS 47 -	DSS 58 -
Not Stored	Not Stored	Not Stored	Not Stored	Not Stored	Not Stored
DSS 02 -	DSS 13 -	DSS 24 -	DSS 35 -	DSS 46 -	DSS 57 -
Not Stored	Not Stored	Not Stored	Not Stored	Not Stored	Not Stored
DSS 01 -	DSS 12 -	DSS 23 -	DSS 34 -	DSS 45 -	DSS 56 -
Not Stored	Not Stored	Not Stored	Not Stored	Not Stored	Not Stored

OK Cancel Help

<Key Type Assignment>

The following Key Type Assignment screen is displayed by clicking "Key Type Display" button (including "Not Stored") for each DSS Key on the above screen.



The image shows a dialog box titled "Flexible DSS Key". It contains the following fields and controls:

- 1 Key Type:** A dropdown menu currently showing "Not Stored".
- EXT.:** A text input field with a small "..." button to its right.
- Trunk Line No.:** A dropdown menu.
- Dial:** A text input field.
- Ringing Type:** A dropdown menu currently showing "Immediate".
- Buttons:** "OK", "Cancel", and "Help" buttons at the bottom.

<Additional Parameters Required by Key Type>

Depending on a Key Type, additional parameters are required as follows.

Key Type	Additional Parameters	Description
SINGLE-CO	Trunk Line No.	Specifies the trunk port physical number (10101 to 31416).
GROUP-CO	Trunk Group No.	Specifies the Trunk Group number (01 - 48).
DSS	EXT.	Specifies the extension number (3 or 4 digits).
ONE-TOUCH	Dial	Specifies the telephone number or feature access number (up to 24 digits consisting of 0 - 9, *, #, -, P, S or F). Note P: Pause, S: Secret Dialling, F: Hook Flash
G-FWD	DN	Specifies the Floating Directory Number of the Incoming Group.
VTR	DN	Specifies the Directory Number of the Voice Mail extension.
2WAY-REC	DN	Specifies the Directory Number of the Voice Mail extension.
2WAY-TRN	DN	Specifies the Directory Number of the Voice Mail extension.
SS	Dial	Specifies the telephone number or feature access number (up to 24 digits consisting of 0-9, *, #, -, P, S or F). Note P: Pause, S: Secret Dialling, F: Hook Flash

<i>Parameter</i>	Key Type
<i>Default</i>	Not Stored
<i>Value Range</i>	Please refer to "Description / Function."
<i>Description/Function</i>	Not Stored: Key Type is not assigned. SINGLE-CO: Single-CO button GROUP-CO: Group-CO button DSS: Direct Station Selection button ONE-TOUCH: One-Touch Dial button MESSAGE: Message Waiting button FWD / DND: Call Forwarding / Do Not Disturb button G-FWD: Group Call Forwarding button SAVE: Saved Number Redial button ACCOUNT: Account Code entry button CONF: Conference button VTR: Voice Mail Transfer button 2WAY-REC: Two-way Recording button 2WAY-TRN: Two-way Transfer button LCS: Live Call Screening button LCS CANCEL: Live Call Screening Cancel button DAY / NIGHT: Day / Night switching button ANSWER: Answer button RELEASE: Release button TONE THROUGH: Tone Through button SS: ISDN Service button
<i>Reference</i>	4.1.2 Customising the Buttons (U/M)

4.4.2 Flexible PF Key Assignment for DSS Console

Used to determine the usage of flexible PF buttons on DSS Consoles.

The following screen is displayed by clicking "PF Key" button on "4-3 DSS Console" screen.

The screenshot shows a window titled "Flexible PF Key (Others)". It contains a grid of 8 buttons arranged in 4 rows and 2 columns. The buttons are labeled PF 04, PF 12, PF 03, PF 11, PF 02, PF 10, PF 01, and PF 09. Each button has a small box above it containing a hyphen (-) and a larger box below it containing the text "Not Stored". The PF 01 button is highlighted with a dashed border. At the bottom of the window are three buttons: OK, Cancel, and Help.

<Key Type Assignment>

The following Key Type Assignment screen is displayed by clicking "Key Type Display" button (including "Not Stored") for each PF Key on the above screen.

The screenshot shows a window titled "Flexible PF Key". It has a label "1 Key Type" followed by a dropdown menu showing "Not Stored". Below this are three input fields labeled "Dial", "Name", and "DN". The "DN" field has a small button with three dots to its right. At the bottom are three buttons: OK, Cancel, and Help.

<Additional Parameters Required by Key Type>

Depending on a Key Type, additional parameters are required as follows.

Key Type	Additional Parameters	Description
ONE-TOUCH	Dial	Specifies the telephone number or feature access number (up to 24 digits consisting of 0 - 9, *, #, -, P, S or F). Note • P: Pause, S: Secret Dialling, F: Hook Flash
	Name	Specifies the name for One-Touch dial (Up to 10 characters consisting of 0-9, A-Z, a-z or the following marks: ! # \$ % * ' () +, - / : ; < = > ? @ &.)
VTR	DN	Specifies the Directory Number of the Voice Mail extension.
SS	Dial	Specifies the telephone number or feature access number (up to 24 digits consisting of 0 - 9, *, #, -, P, S or F). Note • P: Pause, S: Secret Dialling, F: Hook Flash

Parameter	Key Type
Default	Not Stored
Value Range	Please refer to "Description / Function."
Description/Function	Not Stored: Key Type is not assigned. ONE-TOUCH: One-Touch Dial button FWD / DND: Call Forwarding / Do Not Disturb button SAVE: Saved Number Redial button ACCOUNT: Account Code entry button CONF: Conference button VTR: Voice Mail Transfer button ANSWER: Answer button RELEASE: Release button SS: ISDN Service button
Reference	• 4.1.2 Customising the Buttons (U/M)

4.5 Doorphone

Used to assign the destination extensions for incoming calls from doorphones.

Note

- The DPH/DPHG card is not available in some countries/areas.

Parameter	Card No.
Default	—
Value Range	XXX : DPH/DPHG [XXX : Card No. (101-314)]
Description/Function	Specifies the physical number of a doorphone card which you are going to programme.
Reference	• 1.2 Slot Assignment (P/G)

Parameter	Port No.
Default	1
Value Range	1 - 4
Description/Function	Specifies the doorphone port which you are going to programme.
Reference	None

<i>Parameter</i>	Tenant No.
<i>Default</i>	1
<i>Value Range</i>	1 - 8
<i>Description/Function</i>	Specifies the tenant (1-8) to which the doorphone port is assigned.
<i>Reference</i>	• 1.3 System Features (F/G) – Tenant Service • 1.12 Conversation Features (F/G) – Doorphone Call • 2.2 Tenant (P/G)

<i>Parameter</i>	Destination – Day / Night
<i>Default</i>	Blank
<i>Value Range</i>	3-4 digits consisting of 0-9
<i>Description/Function</i>	Specifies the extensions that ring when a visitor presses the doorphone button. Up to 126 destination extensions per doorphone can be assigned in Day mode and Night mode respectively. Destination extensions can unlock the door opener.
<i>Reference</i>	• 2.8.1 If a Doorphone/Door Opener is Connected (U/M)

4.6 External Paging

Used to assign parameters for External Paging.

Pager No.	Tenant No.	FDN	BGM	BGM Source
1	1		☐	MUS1
2	1		☐	MUS1

DN Refer

4-5 External Paging

OK Apply Cancel Help

Parameter	Pager No.
Default	(Display only)
Value Range	1, 2
Description/Function	Displays the Pager No.
Reference	• 2.8.2 External Pager (Paging Equipment) (I/M)

Parameter	Tenant No.
Default	1
Value Range	1-8
Description/Function	Specifies the tenant to which the External Pager is assigned. (Required when "Tenant Service" is employed.)
Reference	• 1.3 System Features (F/G) – Tenant Service • 2.2 Tenant (P/G)

Parameter	FDN
Default	Blank
Value Range	3-4 digits consisting of 0-9
Description/Function	Specifies the FDN (Floating Directory Number) for the External Pager.
Reference	• 1.3 System Features (F/G) – Floating Station

Parameter	BGM
Default	No check
Value Range	1. No check [Disable] 2. Check [Enable]
Description/Function	Specifies whether BGM is sent or not when the External Pager is idle. Whether sound actually comes out of External Pager or not is controlled by the Manager or Operators.
Reference	• 3.2.1 Turning on the External Background Music (Background Music [BGM]—External) (U/M)

Parameter	BGM Source
Default	MUS1
Value Range	1. None 2. MUS1 3. MUS2
Description/Function	Assigns the External Music Source port to which the External Pager is connected. To change music sources, you must first select and apply "None." Then you can select and apply MUS1 or MUS2.

Note

- If "MUS2" is selected, the actual source depends upon the position of the switch located on the TSW card. "MUS2 (Music 2 jack)" or "INT MUS (internal music)" can be selected by this switch.

Reference	• 2.8.3 Music Source (External / Internal) (I/M)
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<i>Parameter</i>	DN Refer
<i>Default</i>	—
<i>Value Range</i>	—
<i>Description/Function</i>	Displays the list of DNs/FDNs which are already assigned to the extensions / system resources.
<i>Reference</i>	None

4.7 ISDN Extension Line

Used to assign parameters for ISDN extension lines.

<i>Parameter</i>	Card No.
<i>Default</i>	—
<i>Value Range</i>	XXX: BRI [XXX: Card No. (101-314)]
<i>Description/Function</i>	Specifies the physical number of the BRI card which you are going to programme.
<i>Reference</i>	•1.2 Slot Assignment (P/G)

<i>Parameter</i>	Port No.
<i>Default</i>	—
<i>Value Range</i>	1-8
<i>Description/Function</i>	Specifies the ISDN extension port which you are going to programme.
<i>Reference</i>	None

<i>Parameter</i>	Group No.
<i>Default</i>	(Display only)
<i>Value Range</i>	1-128
<i>Description/Function</i>	Displays the Extension Group to which the selected ISDN extension port is assigned.
<i>Reference</i>	• 1.9 BRI Port Assignment (P/G)

<i>Parameter</i>	Name
<i>Default</i>	Blank
<i>Value Range</i>	Up to 10 characters consisting of 0-9, A-Z, a-z or the following marks: ! # \$ % & * ' () + , - / : ; < = > ? @ &.
<i>Description/Function</i>	Specifies the name for the ISDN extension line.
<i>Reference</i>	• 1.17 Display Features (F/G) – Display, Call Information

<i>Parameter</i>	Charge Limit
<i>Default</i>	0
<i>Value Range</i>	0: No limit 1-99999: The number of charge metre allowable for the ISDN extension
<i>Description/Function</i>	Used to determine the sum total of telephone charge allowable to extension users on an ISDN extension basis. If the telephone charge on the ISDN extension exceeds the limit, a toll call cannot be made anymore from that extension.
	Note
	• If the charge limit is set to "0," no restriction is applied.
<i>Reference</i>	• 4.2 Charge Fee Management (Station Programming) (U/M)

<i>Parameter</i>	Tone
<i>Default</i>	Disable
<i>Value Range</i>	1. Enable 2. Disable
<i>Description/Function</i>	Specifies whether the system sends the call progress tone to the ISDN extension or not.
<i>Reference</i>	None

Parameter	ISDN Bearer Mode
Default	Automatic
Value Range	1. Automatic 2. Speech 3. 3.1 KHz Audio
Description/Function	Specifies the ISDN Bearer Mode on an ISDN extension basis.
	Note • When "Automatic" (Default) is selected, Bearer Mode is set automatically depending on the type of extension telephone as follows: PT – Speech, SLT – 3.1 KHz Audio, ISDN extension – depending on the bearer mode of the ISDN extension.
Reference	• 2.1 ISDN Features (F/G) – Integrated Services Digital Network (ISDN)

Parameter	Numbering Plan ID
Default	Default
Value Range	1. Default 2. Unknown 3. ISDN / Telephony 4. National Standard 5. Private
Description/Function	Specifies the Numbering Plan ID applied to the outgoing / incoming CO calls via ISDN.
Reference	None

Parameter	Type of Number
Default	Default
Value Range	1. Default 2. Unknown 3. International 4. National 5. Network Specific 6. Subscriber
Description/Function	Specifies the type of number applied to the outgoing / incoming CO calls via ISDN.
Reference	None

<i>Parameter</i>	[CLIP / COLP Number] Public
<i>Default</i>	Blank
<i>Value Range</i>	Up to 16 digits consisting of 0-9, *, or #
<i>Description/Function</i>	Specifies a CLIP / COLP or ANI (Automatic Number Indication) number used for the incoming / outgoing calls via Public Switched Telephone Network to each ISDN extension.

Notes

- The KX-TD500 System is designed and manufactured in accordance with the following ETS (European Telecommunication Standard) specifications: **ETS 300 122 Generic Keypad protocol for the support of supplementary services.**
- Specify the registered Central Office calling number for correct operation of CLIP and COLP.

Reference

- 2.2 ISDN Originating Features (F/G)
 - Calling Line Identification Presentation (CLIP)
- 2.3 ISDN Answering Features (F/G)
 - Connected Line Identification Presentation (COLP)
- 3.3 Network Service Features (F/G)
 - Calling Line Identification Presentation (CLIP)
 - Connected Line Identification Presentation (COLP)
- 2.7.5 Displaying Your Number on the Called Party and Calling Party's Telephone (Calling/Connected Line Identification Presentation [CLIP/COLP]) (U/M)

<i>Parameter</i>	[CLIP / COLP Number] Private
<i>Default</i>	Blank
<i>Value Range</i>	Up to 16 digits consisting of 0-9, * or #
<i>Description/Function</i>	Specifies a CLIP / COLP or ANI (Automatic Number Indication) number used for the incoming / outgoing calls via Private Network to each ISDN extension.

Notes

- The KX-TD500 System is designed and manufactured in accordance with the following ETS (European Telecommunication Standard) specifications: **ETS 300 122 Generic Keypad protocol for the support of supplementary services.**
- Specify the registered Central Office calling number for correct operation of CLIP and COLP.

<i>Reference</i>	• 2.2 ISDN Originating Features (F/G) – Calling Line Identification Presentation (CLIP) • 2.3 ISDN Answering Features (F/G) – Connected Line Identification Presentation (COLP) • 3.3 Network Service Features (F/G) – Calling Line Identification Presentation (CLIP) – Connected Line Identification Presentation (COLP) • 2.7.5 Displaying Your Number on the Called Party and Calling Party's Telephone (Calling/Connected Line Identification Presentation [CLIP/COLP]) (U/M)
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<i>Parameter</i>	[COS No.] Primary
<i>Default</i>	1
<i>Value Range</i>	1-96
<i>Description/Function</i>	Specifies the Primary COS (Class of Service) (1-96) to the ISDN extension.
<i>Reference</i>	• 1.3 System Features (F/G) – Class of Service (COS) – Hotel Application • 3.1.5 Changing Service Level of Extensions (Switching COS) (U/M) • 3.2.6 Hotel Use Features (Hotel Application) [KX-T7436, KX-T7235 only] (U/M)

<i>Parameter</i>	[COS No.] Secondary
<i>Default</i>	1
<i>Value Range</i>	1-96
<i>Description/Function</i>	Specifies the Secondary COS (Class of Service) (1-96) to the ISDN extension.
<i>Reference</i>	• 1.3 System Features (F/G) – Class of Service (COS) – Hotel Application • 3.1.5 Changing Service Level of Extensions (Switching COS) (U/M) • 3.2.6 Hotel Use Features (Hotel Application) [KX-T7436, KX-T7235 only] (U/M)

<i>Parameter</i>	Receiving ISDN FLASH signal
<i>Default</i>	Place the call on consultation HOLD
<i>Value Range</i>	1. Send FLASH signal to CO 2. Place the call on consultation HOLD
<i>Description/Function</i>	Specifies the consequence of receiving a FLASH signal via an ISDN extension port while talking.
	<u>Note</u> • This feature is not available for certain countries/areas. The contract with Central Office is required to utilise this feature.
<i>Reference</i>	• 1.12 Conversation Features (F/G) – External Feature Access

4.8 PC Console Line

4.8.1 PC Console Line 1/2

Used to assign parameters for PC Console lines.

<i>Parameter</i>	Card No.
<i>Default</i>	—
<i>Value Range</i>	XXX:YYY [XXX: Card No. (101-314), YYY: Card Type]
<i>Description/Function</i>	Specifies the physical number of the extension card and its type (DLC or DHLC).
<i>Reference</i>	•1.2 Slot Assignment (P/G)

<i>Parameter</i>	Port No.
<i>Default</i>	—
<i>Value Range</i>	1:DHLC card, 1 and/or 9 :DLC card
<i>Description/Function</i>	Specifies the extension port which you are going to programme.
<i>Reference</i>	•1.4 Extension Port Assignment (P/G)

Parameter	DN
Default	—
Value Range	3-4 digits consisting of 0-9
Description/Function	Specifies the PC Console which you are going to programme.
Reference	•1.4 Extension Port Assignment (P/G) •2.3 Numbering Plan (P/G)

Parameter	Group No.
Default	(Display only)
Value Range	1-128
Description/Function	Displays the Extension Group to which the selected extension port is assigned.
Reference	•1.4 Extension Port Assignment (P/G) •3.3 Extension Group (P/G)

Parameter	Name
Default	Blank
Value Range	Up to 10 characters consisting of 0-9, A-Z, a-z or the following marks: ! # \$ % * ' () + , - / : ; < = > ? @ &.
Description/Function	Specifies the name for the PC Console.

Note

- This is shown on the called party's display PT, so that he knows who is calling.

Reference	• 1.17 Display Features (F/G) – Display, Call Information
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Parameter	Mailbox No.
Default	Same as the extension number
Value Range	Up to 16 digits consisting of 0-9, *, # or P [Pause].
Description/Function	Specifies the mailbox number which is usually the same as the extension number.
	Note This mailbox number is sent to the VPS as Follow-on ID when Inband Integration is activated.
Reference	None

Parameter	[VM Key] VTR
Default	Blank
Value Range	3-4 digits consisting of 0-9
Description/Function	Specifies the Directory Number of the Voice Mail extension. "VM Key" screen is displayed by clicking [VM Key] button on this screen. VTR (Voice Mail Transfer) button is used to transfer the call to the Panasonic VPS (Voice Processing System) so that the caller can leave his message in the mailbox of the desired extension.
Reference	2.8.3 If a Voice Processing System is Connected (U/M)

Parameter	[VM Key] 2WAY-REC
Default	Blank
Value Range	3-4 digits consisting of 0-9
Description/Function	Specifies the Directory Number of the Voice Mail extension. "VM Key" screen is displayed by clicking [VM Key] button on this screen. 2WAY-REC (Two-Way Record) button is used to record a conversation into the mailbox of the PC Console user.
Reference	2.8.3 If a Voice Processing System is Connected (U/M)

<i>Parameter</i>	[VM Key] 2WAY-TRN
<i>Default</i>	Blank
<i>Value Range</i>	3-4 digits consisting of 0-9
<i>Description/Function</i>	Specifies the Directory Number of the Voice Mail extension. "VM Key" screen is displayed by clicking [VM Key] button on this screen. 2WAY-TRN(Two-Way Transfer) button is used to record a conversation into the mailbox of another extension.
<i>Reference</i>	• 2.8.3 If a Voice Processing System is Connected (U/M)

<i>Parameter</i>	Initial Display Selection
<i>Default</i>	Caller ID
<i>Value Range</i>	1. Caller ID 2. Trunk Name 3. DDI / DID Name
<i>Description/Function</i>	Specifies the initial display of the PC Console when an incoming CO call with Caller ID information comes in on it.
<i>Reference</i>	None

<i>Parameter</i>	Charge Limit
<i>Default</i>	0
<i>Value Range</i>	0: No limit 1-99999: The number of charge metre allowable for the PC Console
<i>Description/Function</i>	Used to determine the sum total of telephone charge allowable to the PC Console user on a PC Console basis. If the telephone charge on the PC Console exceeds the limit, a toll call cannot be made anymore from that PC Console.
	<u>Note</u> • If the charge limit is set to "0," no restriction is applied.
<i>Reference</i>	• 1.3 System Features (F/G) – Budget Management

<i>Parameter</i>	[COS No.] Primary
<i>Default</i>	1
<i>Value Range</i>	1-96
<i>Description/Function</i>	Specifies the Primary COS (Class of Service) to the PC Console.
<i>Reference</i>	• 1.3 System Features (F/G) – Class of Service (COS) – Hotel Application • 3.1.5 Changing Service Level of Extensions (Switching COS) (U/M) • 3.2.6 Hotel Use Features (Hotel Application) [KX-T7436, KX-T7235 only] (U/M)

<i>Parameter</i>	[COS No.] Secondary
<i>Default</i>	1
<i>Value Range</i>	1-96
<i>Description/Function</i>	Specifies the Secondary COS (Class of Service) to the PC Console.
<i>Reference</i>	• 1.3 System Features (F/G) – Class of Service (COS) – Hotel Application • 3.1.5 Changing Service Level of Extensions (Switching COS) (U/M) • 3.2.6 Hotel Use Features (Hotel Application) [KX-T7436, KX-T7235 only] (U/M)

<i>Parameter</i>	[Preferred Line] Outgoing
<i>Default</i>	Prime Line – ICM / PDN
<i>Value Range</i>	1. No Line 2. Idle Line 3. Prime Line – ICM / PDN 4. Prime Line – CO
<i>Description/Function</i>	Specifies the line to which the PC Console is connected automatically when the PC Console user goes off-hook to make a call.
<i>Reference</i>	• 1.6 Originating Features (F/G) – Line Preference—Outgoing (Idle Line/No Line/Prime Line)

<i>Parameter</i>	[Preferred Line] Outgoing – Key No.
<i>Default</i>	Blank
<i>Value Range</i>	1-24
<i>Description/Function</i>	Specifies the CO button to which the PC Console is connected when the PC Console user goes off-hook to make a call. This assignment is required when "Prime Line – CO" is specified in "[Preferred Line] Outgoing" programming.
<i>Reference</i>	• 1.6 Originating Features (F/G) – Line Preference—Outgoing (Idle Line/No Line/Prime Line)

<i>Parameter</i>	[Preferred Line] Incoming
<i>Default</i>	Ringing Line
<i>Value Range</i>	1. No Line 2. Ringing Line 3. Prime Line – ICM / PDN 4. Prime Line – CO
<i>Description/Function</i>	Specifies the line to which the PC Console is connected automatically when the PC Console user goes off-hook to answer a call.
<i>Reference</i>	• 1.9 Answering Features (F/G) – Line Preference—Incoming (No Line/Prime Line/Ringing Line)

<i>Parameter</i>	[Preferred Line] Incoming - Key No.
<i>Default</i>	Blank
<i>Value Range</i>	1-24
<i>Description/Function</i>	Specifies the CO button to which the PC Console is connected when the PC Console user goes off-hook to answer a call. This assignment is required when "Prime Line – CO" is specified in "[Preferred Line] Incoming" programming.
<i>Reference</i>	• 1.9 Answering Features (F/G) – Line Preference—Incoming (No Line/Prime Line/Ringing Line)

<i>Parameter</i>	[Pickup Dialing] Mode
<i>Default</i>	Disable
<i>Value Range</i>	1. Enable 2. Disable
<i>Description/Function</i>	Specifies whether "Pickup Dialling" feature is enabled or not.
<i>Reference</i>	• 1.7 Dialling Features (F/G) – Pickup Dialling (Hot Line) • 2.2.2 Easy Dialling (U/M)

<i>Parameter</i>	[Pickup Dialing] Dial
<i>Default</i>	(Display only)
<i>Value Range</i>	Up to 24 digits
<i>Description/Function</i>	Displays the telephone number for "Pickup Dialling" feature. The system automatically dials this number when a PC Console user goes off-hook to make a call, if "Pickup Dialling" is enabled.
<i>Reference</i>	• 1.7 Dialling Features (F/G) – Pickup Dialling (Hot Line) • 2.2.2 Easy Dialling (U/M)

<i>Parameter</i>	[LCS Setting] Status
<i>Default</i>	Inactive
<i>Value Range</i>	1. Inactive 2. Active
<i>Description/Function</i>	Specifies whether or not the PC Console can use the LCS (Live Call Screening) feature.
<i>Reference</i>	• 1.9 Answering Features (F/G) – Live Call Screening (LCS)

<i>Parameter</i>	[LCS Setting] Operation Mode
<i>Default</i>	Hands-free
<i>Value Range</i>	1. Private 2. Hands-free
<i>Description/Function</i>	Assigns whether the voice message being recorded is monitored automatically through the built-in speaker (Hands-free mode) or an alert tone is sent (Private mode) while an incoming caller is leaving a message in the mailbox of the PC Console.
<i>Reference</i>	• 1.9 Answering Features (F/G) – Live Call Screening (LCS)

<i>Parameter</i>	[LCS Setting] Recording Mode
<i>Default</i>	Stop Rec
<i>Value Range</i>	1. Keep Rec 2. Stop Rec
<i>Description/Function</i>	Assigns whether to close the mailbox or keep recording the conversation after a call is interrupted.
<i>Reference</i>	• 1.9 Answering Features (F/G) – Live Call Screening (LCS)

<i>Parameter</i>	[LCS Setting] LCS Password
<i>Default</i>	Blank
<i>Value Range</i>	Fixed to 3 digits consisting of 0-9
<i>Description/Function</i>	Specifies the 3-digit password for LCS settings.
<i>Reference</i>	• 1.9 Answering Features (F/G) – Live Call Screening (LCS) • 2.8.3 If a Voice Processing System is Connected (U/M)

<i>Parameter</i>	Data Line Mode
<i>Default</i>	No
<i>Value Range</i>	1. Yes 2. No
<i>Description/Function</i>	Assigns whether "Data Line Security mode" is available or not. If set to "No," setting "Data Line Security mode " by dialling the feature number is impossible.
<i>Reference</i>	• 1.12 Conversation Features (F/G) – Data Line Security • 2.7.11 Protecting Your Line against Indication Tones (Data Line Security) (U/M)

<i>Parameter</i>	Call Waiting Tone Type
<i>Default</i>	Tone 1
<i>Value Range</i>	1. Tone 1 2. Tone 2
<i>Description/Function</i>	Specifies the type of Call Waiting Tone for PC Consoles. Please refer to Section "5.4 What is This Tone?" in the User Manual for detailed information on Tone Type.
<i>Reference</i>	• 2.4.4 Answering a Call Waiting (U/M)

<i>Parameter</i>	Call Pickup Deny
<i>Default</i>	Disable
<i>Value Range</i>	1. Enable 2. Disable
<i>Description/Function</i>	Enables or disables Call Pickup Deny mode.
<i>Reference</i>	• 1.9 Answering Features (F/G) – Call Pickup • 2.7.8 Denying Other People the Possibility of Picking up Your Calls (Call Pickup Deny) (U/M)

<i>Parameter</i>	Language
<i>Default</i>	English
<i>Value Range</i>	1. English 2. Option
<i>Description/Function</i>	Specifies the language shown on a PANASONIC display PT. The language is set for each extension, so phones on the same system can display different languages.
	<u>Note</u> • French is stored as default Optional Language at the factory. You can replace French with one of the optional language. Please refer to Section "2.9 Language Data" for further information on Optional Language.
<i>Reference</i>	• 1.17 Display Features (F/G) – Bilingual Display

<i>Parameter</i>	Station Lock Password
<i>Default</i>	Blank
<i>Value Range</i>	Fixed to 3 digits consisting of 0-9
<i>Description/Function</i>	Specifies the 3-digit password that lets the PC Console user lock or unlock his own extension (Electronic Station Lockout).
<i>Reference</i>	• 1.6 Originating Features (F/G) – Electronic Station Lockout • 2.5.4 Preventing Other People from Making Outside Calls Using Your Telephone (Electronic Station Lockout) (U/M)

<i>Parameter</i>	ISDN Bearer Mode
<i>Default</i>	Automatic
<i>Value Range</i>	1. Automatic 2. Speech 3. 3.1 KHz Audio
<i>Description/Function</i>	Specifies the ISDN Bearer Mode on a PC Console basis.
	<u>Note</u> • When "Automatic" (Default) is selected, Bearer Mode is set automatically depending on the type of extension telephone as follows: PT – Speech, SLT – 3.1 KHz Audio, ISDN extension – depending on the bearer mode of the ISDN extension.
<i>Reference</i>	• 2.1 ISDN Features (F/G) – Integrated Services Digital Network (ISDN)

<i>Parameter</i>	JOG Dial Speed
<i>Default</i>	Normal
<i>Value Range</i>	1. Normal 2. High
<i>Description/Function</i>	Specifies the rotation speed of the JOG Dial on the KX-T7400 series PTs (except KX-T7451) and KX-T7500 series PTs.
	<u>Note</u> • This setting is valid when one of the KX-T7400/KX-T7500 series PTs is connected to the PC Console.
<i>Reference</i>	None

<i>Parameter</i>	[CLIP / COLP Number] Public
<i>Default</i>	Blank
<i>Value Range</i>	Up to 16 digits consisting of 0-9, *, or #
<i>Description/Function</i>	Specifies a CLIP/COLP or ANI (Automatic Number Indication) number used for the incoming / outgoing calls via Public Switched Telephone Network to each PC Console.

Notes

- The KX-TD500 System is designed and manufactured in accordance with the following ETS (European Telecommunication Standard) specifications: **ETS 300 122 Generic Keyboard protocol for the support of supplementary services.**
- Specify the registered Central Office calling number for correct operation of CLIP and COLP.

Reference

- 2.2 ISDN Originating Features (F/G)
 - Calling Line Identification Presentation (CLIP)
- 2.3 ISDN Answering Features (F/G)
 - Connected Line Identification Presentation (COLP)
- 3.3 Network Service Features (F/G)
 - Calling Line Identification Presentation (CLIP)
 - Connected Line Identification Presentation (COLP)
- 2.7.5 Displaying Your Number on the Called Party and Calling Party's Telephone (Calling/Connected Line Identification Presentation [CLIP/COLP]) (U/M)

<i>Parameter</i>	[CLIP / COLP Number] Private
<i>Default</i>	Blank
<i>Value Range</i>	Up to 16 digits consisting of 0-9, * or #
<i>Description/Function</i>	Specifies a CLIP/COLP or ANI (Automatic Number Indication) number used for the incoming / outgoing calls via Private Network to each PC Console.

Notes

- The KX-TD500 System is designed and manufactured in accordance with the following ETS (European Telecommunication Standard) specifications: **ETS 300 122 Generic Keyboard protocol for the support of supplementary services.**
- Specify the registered Central Office calling number for correct operation of CLIP and COLP.

<i>Reference</i>	• 2.2 ISDN Originating Features (F/G) – Calling Line Identification Presentation (CLIP) • 2.3 ISDN Answering Features (F/G) – Connected Line Identification Presentation (COLP) • 3.3 Network Service Features (F/G) – Calling Line Identification Presentation (CLIP) – Connected Line Identification Presentation (COLP) • 2.7.5 Displaying Your Number on the Called Party and Calling Party's Telephone (Calling/Connected Line Identification Presentation [CLIP/COLP]) (U/M)
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<i>Parameter</i>	[Call Log Incoming] Overwrite Mode
<i>Default</i>	Yes
<i>Value Range</i>	1. Yes 2. No
<i>Description/Function</i>	Enables or disables Call Log Incoming, Overwrite Mode. If the Call Log is full (30 call records are already logged) when a new Caller ID call comes in. 1. Yes : The new call record overwrites the oldest one in the Call Log. 2. No : The new call record is not logged.
<i>Reference</i>	• 2.10.1 Calling Using the Call Log (Incoming Call Log) [KX-T7433, KX-T7436, KX-T7230, KX-T7235 only] (U/M)

<i>Parameter</i>	[Call Log Incoming] Lock Password
<i>Default</i>	Blank
<i>Value Range</i>	Fixed to 3 digits consisting of 0-9
<i>Description/Function</i>	Specifies the Call Log Incoming, Log Lock password. The PC Console user can lock the call log display so that incoming call information is not shown on the PC Console.
Note	
The Manager and the Operators can cancel the Call Log Lock in case the user forgets the lock code (Incoming Call Log Lock Control).	
<i>Reference</i>	2.10.3 Denying Other People the Possibility of Seeing Your Call Log (Incoming Call Log Lock) [KX-T7433, KX-T7436, KX-T7230, KX-T7235 only] (U/M)

4.8.2 PC Console Line 2/2

Used to assign parameters for PC Console lines.

4-7 PC Console Line 2/2

Card No. 101:DHLC Port No. 1 DN 1040

Intercept Destination

Day Night

Call Forwarding - No Answer Time (0-12 rings)

0 ring(s)

4-7 PC Console Line 2/2 OK Apply Cancel Help

<i>Parameter</i>	Intercept Destination – Day / Night
<i>Default</i>	Blank
<i>Value Range</i>	3-4 digits consisting of 0-9
<i>Description/Function</i>	Specifies the destination extension (3 or 4 digits) for Intercept Routing feature in both Day and Night modes respectively.

Notes

- Intercept Routing provides an automatic re-direction of calls that have not been answered.
- There are six possible destinations of intercepted call:
(1) An extension, (2) an external pager (TAFAS),
(3) an OGM group, (4) an extension group,
(5) an incoming group, or (6) a phantom extension.

<i>Reference</i>	• 1.11 Transferring Features (F/G) – Intercept Routing
-------------------------	--

<i>Parameter</i>	Call Forwarding-No Answer Time
<i>Default</i>	0 ring
<i>Value Range</i>	0-12 rings
<i>Description/Function</i>	Specifies the number of rings before the Call Forwarding No Answer feature is activated. If a call is not answered before the programmed number of rings, the call is redirected to the pre-assigned extension.

Notes

- This timer is also used for Intercept Routing. If an incoming DISA call to the Intercept Routing destination is not answered before this timer expires, the call will be disconnected.
- If "0" is specified, "Call Forwarding-No Answer Time" in Section "2.5 System Timer" setting works.

<i>Reference</i>	• 1.11 Transferring Features (F/G) – Call Forwarding • 2.5.1 Forwarding Your Calls (Call Forwarding) (U/M) • 2.5 System Timer (P/G)
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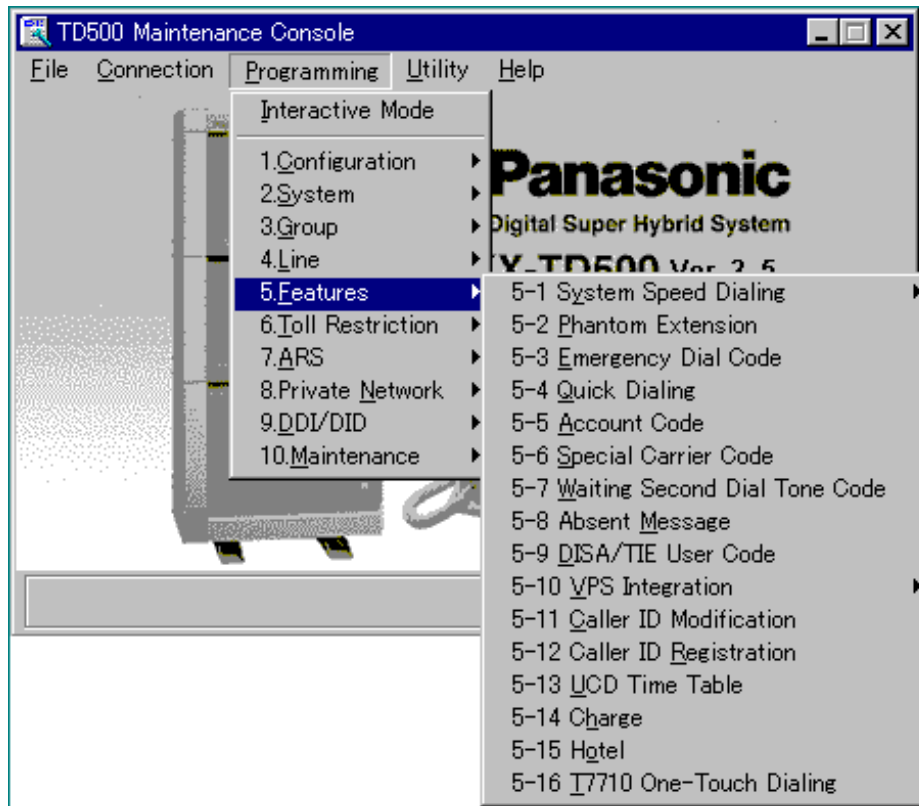
Line

Section 5

Features

5.1 Features

Used to assign parameters for various system features.



5.2 System Speed Dialling

Used to programme a list of up to 1000 (000-999) frequently dialled numbers per tenant.

Anyone in the same tenant can dial these numbers.

Up to 2000 Speed Dialling codes can be shared among tenants under the limitation of 1000 codes per tenant. The maximum number of Speed Dialling numbers per tenant is specified in "2-1 Tenant" screen.

You can import System Speed Dialling data in your PC. This is functional when the PC maintenance console is connected in the interactive mode. Please refer to "System Speed Dialling" of Section "1.7 Dialling Features" in the Features Guide for further information.

<i>Parameter</i>	<i>Tenant No.</i>
<i>Default</i>	1
<i>Value Range</i>	1-8
<i>Description/Function</i>	Specifies the tenant to which the System Speed Dialling codes are assigned. (Required when "Tenant Service" is employed.)
<i>Reference</i>	• 1.3 System Features (F/G) – Tenant Service • 2.2 Tenant (P/G)

<i>Parameter</i>	Entry No.
<i>Default</i>	000-019
<i>Value Range</i>	000-999 in 20 codes increments
<i>Description/Function</i>	Specifies the entry number of the Speed Dialling codes which you are going to programme.
<i>Reference</i>	None

<i>Parameter</i>	Max. Entry
<i>Default</i>	(Display only)
<i>Value Range</i>	0-1000
<i>Description/Function</i>	Displays the maximum number of Speed Dialling codes allocated to the tenant.
<i>Reference</i>	• 1.3 System Features (F/G) – Tenant Service • 2.2 Tenant (P/G)

<i>Parameter</i>	Current Registration
<i>Default</i>	(Display only)
<i>Value Range</i>	0-1000
<i>Description/Function</i>	Displays the total number of Speed Dialling codes which are already programmed.
<i>Reference</i>	None

<i>Parameter</i>	<i>Name</i>
<i>Default</i>	Blank
<i>Value Range</i>	Up to 10 characters consisting of 0-9, A-Z, a-z or the following marks: ! # \$ % * ' () + , - / : ; < = > ? @ &.
<i>Description/Function</i>	Specifies the name for each speed dial code.
<u>Notes</u> • The stored name is shown on a large display PT, such as KX-T7235 / KX-T7436, when dialling System Speed Dialling number. • Both "Name" and "Number" should be stored in pairs for each System Speed Dialling No. Otherwise "Name" is not shown on a large display PT.	
<i>Reference</i>	• 2.10.4 Using the KX-T7431, KX-T7433, KX-T7436 or KX-T7235 (U/M)

<i>Parameter</i>	<i>Number</i>
<i>Default</i>	Blank
<i>Value Range</i>	Up to 24 digits consisting of 0-9, *, #, -, P, S or F
<i>Description/Function</i>	Specifies the telephone number for each speed dial code.
<u>Note</u> • P: Pause, S: Secret Dialling, F: Hook Flash	
<i>Reference</i>	None

5.3 Phantom Extension

Used to register up to 448 Phantom Extension numbers.

<i>Parameter</i>	Entry No.
<i>Default</i>	001-048
<i>Value Range</i>	001-448 in 48 codes increments
<i>Description/Function</i>	Specifies the entry number of phantom extension number which you are going to programme.
<i>Reference</i>	• 1.3 System Features (F/G) – Phantom Extension

<i>Parameter</i>	FDN
<i>Default</i>	Blank
<i>Value Range</i>	3-4 digits consisting of 0-9
<i>Description/Function</i>	Specifies the FDN (Floating Directory Number) for each Phantom button.

Note

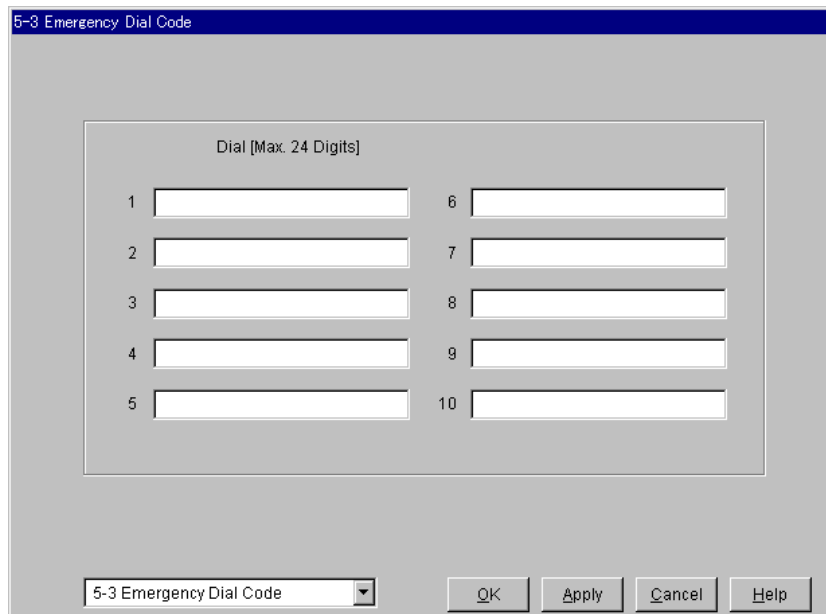
- A single phantom extension number can be assigned to multiple extensions so that the caller can ring a group of extensions simultaneously.

<i>Reference</i>	• 1.3 System Features (F/G) – Floating Station • 4.1.2 Customising the Buttons (U/M)
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<i>Parameter</i>	DN Refer
<i>Default</i>	—
<i>Value Range</i>	—
<i>Description/Function</i>	Displays the list of DNs/FDNs which are already assigned to the extensions / system resources.
<i>Reference</i>	None

5.4 Emergency Dial Code

Used to programme a list of up to 10 emergency numbers that any extension in the system can dial at any time, regardless of dialling restrictions.



<i>Parameter</i>	Dial
<i>Default</i>	All: Blank
<i>Value Range</i>	Up to 24 digits consisting of 0-9
<i>Description/Function</i>	Specifies emergency telephone numbers that can be dialled from any extension regardless of restrictions imposed by "Toll Restriction," "Account Code - Verified mode" or "Electronic Station Lockout."
<i>Reference</i>	• 1.6 Originating Features (F/G) – Emergency Call • 2.2.1 Basic Calling (U/M)

5.5 Quick Dialling

Used to store up to eight Quick Dialling numbers.

5-4 Quick Dialing

Dial [Max. 24 Digits]

1 [] 5 []

2 [] 6 []

3 [] 7 []

4 [] 8 []

5-4 Quick Dialing [v] [OK] [Apply] [Cancel] [Help]

Parameter	Dial
Default	All: Blank
Value Range	Up to 24 digits consisting of 0-9, *, #, F, P, S or "-" (hyphen)
Description/Function	Specifies the phone number for Quick Dialling.
	Note Any extension user can use Quick Dialling number simply by dialling the feature number for "Quick Dial 1-8."
Reference	1.7 Dialling Features (F/G) – Quick Dialling 2.2.2 Easy Dialling (U/M)

5.6 Account Code

Used to programme a list of up to 1000 account codes which are used to identify incoming and outgoing CO calls for accounting and billing purposes.

No.	Code [Max. 10 Digits]	TRS Level
1		None
2		None
3		None
4		None
5		None
6		None
7		None
8		None
9		None
10		None
11		None
12		None
13		None
14		None
15		None
16		None
17		None
18		None
19		None
20		None

Parameter	Tenant No.
Default	1
Value Range	1-8
Description/Function	Specifies the tenant to which a list of Account Codes is assigned. (Required when "Tenant Service" is employed.)
Reference	• 1.3 System Features (F/G) – Tenant Service • 2.2 Tenant (P/G)

Parameter	Entry No.
Default	0001-0020
Value Range	0001-1000 in 20 codes increments
Description/Function	Specifies the entry number of the Account code which you are going to programme.
Reference	None

<i>Parameter</i>	Code
<i>Default</i>	Blank
<i>Value Range</i>	Up to 10 digits consisting of 0-9
<i>Description/Function</i>	Specifies the account codes.
<i>Reference</i>	• 1.3 System Features (F/G) – Account Code Entry • 2.2.5 Calling without Restrictions (U/M)

<i>Parameter</i>	TRS Level
<i>Default</i>	None
<i>Value Range</i>	None, 1-6
<i>Description/Function</i>	Specifies the TRS (toll restriction) level for each account code.

Note

- TRS level appended to each account code applies to the call in conjunction with "Toll Restriction Override by Account Code Entry" feature.

<i>Reference</i>	• 1.3 System Features (F/G) – Account Code Entry • 1.6 Originating Features (F/G) – Toll Restriction Override by Account Code Entry • 2.2.5 Calling without Restrictions (U/M)
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5.7 Special Carrier Code

Used to programme a list of up to 100 Special Carrier Codes.

<i>Parameter</i>	<i>Code</i>
<i>Default</i>	Blank
<i>Value Range</i>	Up to 10 digits consisting of 0-9, *, # or X
<i>Description/Function</i>	Specifies special carrier access codes.

Notes

- This assignment allows the system to recognise the user-dialled special carrier code in order to insert the necessary pause and to apply toll restriction.
- "X" can be used as a wild card character which substitutes any digit in its position.

Reference

- 1.6 Originating Features (F/G)
 - Toll Restriction
 - Toll Restriction for Special Carrier Access

5.8 Waiting Second Dial Tone Code

Used to assign parameters for the Waiting Second Dial Tone feature.

5-7 Waiting Second Dial Tone Code

Entry No. 001-020

Mode

☐ Enable
☒ Disable

Waiting Second Dial Tone Code

No.	Dial [Max. 4 Digits]	Pause			
1		None	11		None
2		None	12		None
3		None	13		None
4		None	14		None
5		None	15		None
6		None	16		None
7		None	17		None
8		None	18		None
9		None	19		None
10		None	20		None

5-7 Waiting Second Dial Tone Code

OK

Apply

Cancel

Help

Parameter	Entry No.
Default	001-020
Value Range	001-200 in 20 codes increments
Description/Function	Specifies the entry number of the Waiting Second Dial Tone codes which you are going to programme.
Reference	None

<i>Parameter</i>	<i>Mode</i>
<i>Default</i>	Disable
<i>Value Range</i>	1. Enable 2. Disable
<i>Description/Function</i>	Specifies whether Waiting Second Dial Tone mode is enabled or not.
	<u>Note</u> • In some areas, upon completion of area code entry, the extension user must ensure the reception of the second dial tone from the Central Office before dialling the office code and the subscriber number. In this case, this mode should be enabled.
<i>Reference</i>	None

<i>Parameter</i>	<i>[Waiting Second Dial Tone Code] Dial</i>
<i>Default</i>	All: Blank
<i>Value Range</i>	Up to 4 digits consisting of 0-9 or X
<i>Description/Function</i>	Specifies 1-4 digits facility access code required by the Central Office.
	<u>Note</u> • "X" can be used as a wild card character which substitutes any digit in its position.
<i>Reference</i>	None

<i>Parameter</i>	<i>[Waiting Second Dial Tone Code] Pause</i>
<i>Default</i>	None
<i>Value Range</i>	1. None 2. 1-4
<i>Description/Function</i>	Specifies the pause time length (fixed dialling delay) required to ensure the reception of CO dial tone. One pause time length (1.5-4.5 s) is determined by "Pause Time" setting in "3-1 Trunk Group" screen (Section "3.2 Trunk Group".)
<i>Reference</i>	None

5.9 Absent Message

Used to programme a list of up to nine absent messages.

An absent message, if set by the extension user, is displayed on the calling extension's display PT to show the reason of absence (no answer).

No.	Message [Max. 16 Characters]
1	Will Return Soon
2	Gone Home
3	At Ext %%%
4	Back at %:%%
5	Out Until %/%%
6	In a Meeting
7	
8	
9	

5-8 Absent Message

OK Apply Cancel Help

<i>Parameter</i>	Message
<i>Default</i>	MSG1: Will Return Soon, MSG2: Gone Home, MSG3: At Ext %%% (Extension No.), MSG4: Back at %% : %% (Hour: Minute), MSG5: Out Until %% / %% (Month / Day), MSG6: In a Meeting, MSG7-9: Blank
<i>Value Range</i>	Up to 16 characters consisting of 0-9, A-Z, a-z or the following marks: ! # \$ % * ' () + , - / : ; < = > ? @ &.
<i>Description/Function</i>	Specifies Absent Messages. Messages 1 through 6 are programmed at the factory but can be changed.
	<u>Note</u> • If "Print out Absent Message (6-9)" (Section 10.4 SMDR) is enabled by System Programming, Absent Messages No.6 to No.9 will be printed out by SMDR when an extension user specifies one of these messages by dialling the feature number for Absent Message.
<i>Reference</i>	• 1.3 System Features (F/G) – Hotel Application • 1.17 Display Features (F/G) – Absent Message Capability • 2.5.3 Showing an Absent Message on the Caller's Telephone Display (Absent Message Capability) (U/M) • 3.2.6 Hotel Use Features (Hotel Application) [KX-T7436, KX-T7235 only] (U/M)

5.10 DISA/TIE User Code

Used to programme a list of up to 32 DISA/TIE User Codes.
Each code is appended with a COS level.

No.	Code [4 - 10 Digits]	COS
1		96
2		96
3		96
4		96
5		96
6		96
7		96
8		96
9		96
10		96
11		96
12		96
13		96
14		96
15		96
16		96
17		96
18		96
19		96
20		96
21		96
22		96
23		96
24		96
25		96
26		96
27		96
28		96
29		96
30		96
31		96
32		96

5-9 DISA/TIE User Code

OK Apply Cancel Help

<i>Parameter</i>	Code
<i>Default</i>	All: Blank
<i>Value Range</i>	4-10 digits consisting of 0-9
<i>Description/Function</i>	Specifies the User Codes for DISA/TIE feature.

Warning for the Direct Inward System Access Users

When you enable the CO-to-CO Line Call feature of **Direct Inward System Access (DISA) function**, if a third party discovers the password (a DISA User Code) of the system, you have a risk that they will make illegal phone calls using your telephone line, and the cost may be charged to your account.

In order to avoid this problem, we strongly recommend the following points:

- 1: Carefully maintain the secrecy of the password.
- 2: Specify a complicated password as long and random as you can make it.
- 3: Change the password frequently.

Notes

- DISA user code is required when the DISA caller attempts to make an outside call (Trunk Security mode) or to make either extension or outside call (All Security mode).
- If "TIE-to-CO Security mode" in Section "4.2 Trunk Line" is set to "Yes," entering TIE user code is required when the TIE caller attempts to make a CO call.
- If the entire code, for example "1234" is included in another code, for example "12345," it is not valid.

<i>Reference</i>	• 1.5 Attended Features (F/G) – Direct Inward System Access (DISA) • 3.1 TIE Line Features (F/G) – TIE Line Service • 2.2.7 To Access Another Party Directly from Outside (Direct Inward System Access [DISA]) (U/M)
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<i>Parameter</i>	COS
<i>Default</i>	All: 96
<i>Value Range</i>	1-96
<i>Description/Function</i>	Specifies COS (Class of Service) Level for each User Code.
<i>Reference</i>	• 2.4 Class of Service (COS) (P/G)

5.11 VPS Integration

5.11.1 VPS Integration 1/2

Used to assign Integration Code and Voice Mail Command for VPS Integration.

Integration Code

When DTMF tone Integration is activated, the KX-TD500 informs the VPS (Voice Processing System) of the status of the call (busy, answered, ringing, etc.) by sending a code with DTMF tone before sending the normal call progress tone (busy tone, ringback tone, etc.).

These codes enable the VPS to immediately recognise the current status of the call and improve its call handling performance.

<i>Parameter</i>	[Integration Code] Ringback Tone
Default	1
Value Range	Up to 3 digits consisting of 0-9, *, or #
Description/Function	Specifies the Ringback Tone code. Sent to the Voice Mail port when the extension dialled is ringing.
Reference	1.3 System Features (F/G) - Integration, VPS

<i>Parameter</i>	[Integration Code] Busy Tone
<i>Default</i>	2
<i>Value Range</i>	Up to 3 digits consisting of 0-9, *, or #
<i>Description/Function</i>	Specifies the Busy Tone code. Sent to the Voice Mail port when the extension dialled is busy.
<i>Reference</i>	• 1.3 System Features (F/G) – Integration, VPS

<i>Parameter</i>	[Integration Code] Reorder Tone
<i>Default</i>	3
<i>Value Range</i>	Up to 3 digits consisting of 0-9, *, or #
<i>Description/Function</i>	Specifies the Reorder Tone code. Sent to the Voice Mail port when an invalid extension number is dialled or the call is inadvertently connected to another Voice Mail port (also heard when no DTMF receiver is available to the Voice Mail extension).
<i>Reference</i>	• 1.3 System Features (F/G) – Integration, VPS

<i>Parameter</i>	[Integration Code] DND Tone
<i>Default</i>	4
<i>Value Range</i>	Up to 3 digits consisting of 0-9, *, or #
<i>Description/Function</i>	Specifies the DND Tone code. Sent to the Voice Mail port when the extension dialled has set DND (Do Not Disturb) feature.
<i>Reference</i>	• 1.3 System Features (F/G) – Integration, VPS

<i>Parameter</i>	[Integration Code] Extension Answer
<i>Default</i>	5
<i>Value Range</i>	Up to 3 digits consisting of 0-9, *, or #
<i>Description/Function</i>	Specifies the Extension Answer code. Sent to the Voice Mail port when the extension dialled is answered.
<i>Reference</i>	• 1.3 System Features (F/G) – Integration, VPS

<i>Parameter</i>	[Integration Code] Extension Disconnection
<i>Default</i>	#9
<i>Value Range</i>	Up to 3 digits consisting of 0-9, *, or #
<i>Description/Function</i>	Specifies the Extension Disconnection code. Sent to the Voice Mail port when the caller disconnects. The Central Office must set a CPC signal to the PBX line for this signal to work for CO calls.
<i>Reference</i>	• 1.3 System Features (F/G) – Integration, VPS

<i>Parameter</i>	[Integration Code] Confirmation Tone
<i>Default</i>	9
<i>Value Range</i>	Up to 3 digits consisting of 0-9, *, or #
<i>Description/Function</i>	Specifies the Confirmation Tone code. Sent to the Voice Mail port when the Message Waiting Lamp On or Message Waiting Lamp Off code is dialed successfully.
<i>Reference</i>	• 1.3 System Features (F/G) – Integration, VPS

<i>Parameter</i>	[Integration Code] FWD to VM Ringback Tone
<i>Default</i>	6
<i>Value Range</i>	Up to 3 digits consisting of 0-9, *, or #
<i>Description/Function</i>	Specifies the FWD to VM Ringback Tone code. Sent to the Voice Mail port when the extension dialled is forwarded to Voice Mail and another VM (Voice Mail) port is available to accept the call. (This lets the first Voice Mail port, usually an Automated Attendant, send the call to the other Voice Mail ports.)
<i>Reference</i>	• 1.3 System Features (F/G) – Integration, VPS

<i>Parameter</i>	[Integration Code] FWD to VM Busy Tone
<i>Default</i>	7
<i>Value Range</i>	Up to 3 digits consisting of 0-9, *, or #
<i>Description/Function</i>	Specifies the FWD to VM Busy Tone code. Sent to the Voice Mail port when the extension dialled is forwarded to Voice Mail and no other Voice Mail ports are available to accept the call. (This signals the Voice Mail port, usually an Automated Attendant, to let the caller leave a message.)
<i>Reference</i>	• 1.3 System Features (F/G) – Integration, VPS

<i>Parameter</i>	[Integration Code] FWD to Extension Ringback Tone
<i>Default</i>	8
<i>Value Range</i>	Up to 3 digits consisting of 0-9, *, or #
<i>Description/Function</i>	Specifies the FWD to Extension Ringback Tone code. Sent to the Voice Mail port when the extension dialled is forwarded to another, non-voice mail extension.
<i>Reference</i>	• 1.3 System Features (F/G) – Integration, VPS

Voice Mail Command

Voice Mail Commands are used to control the activity of Voice Mail port.

There are the following four Voice Mail Commands:

Leave Message, Get Message, AA (Automated Attendant) Service and VM (Voice Mail) Service.

A unique code (dialling digits), up to 16 digits, can be assigned to each command.

<i>Parameter</i>	[Voice Mail Command] Leave Message
<i>Default</i>	H
<i>Value Range</i>	Up to 16 digits consisting of 0-9, *, # or H
<i>Description/Function</i>	Specifies the Leave Message command. This command is transmitted to a VM port when a call is forwarded, intercepted or rerouted to the VM port.
<i>Reference</i>	• 1.3 System Features (F/G) – Integration, VPS

<i>Parameter</i>	[Voice Mail Command] Get Message
<i>Default</i>	*H
<i>Value Range</i>	Up to 16 digits consisting of 0-9, *, # or H
<i>Description/Function</i>	Specifies the Get Message command. This command is transmitted to a VM port when the message receiver presses the MESSAGE button to retrieve a voice message.
<i>Reference</i>	• 1.3 System Features (F/G) – Integration, VPS

<i>Parameter</i>	[Voice Mail Command] AA Service
<i>Default</i>	#8
<i>Value Range</i>	Up to 16 digits consisting of 0-9, *, # or H
<i>Description/Function</i>	Specifies the AA (Automated Attendant) Service command. If AA Service is set to "Start" by System Programming, this command is sent to a VM port when an incoming CO call is answered by the VM port.
<i>Reference</i>	• 1.3 System Features (F/G) – Integration, VPS

<i>Parameter</i>	[Voice Mail Command] VM Service
<i>Default</i>	#6
<i>Value Range</i>	Up to 16 digits consisting of 0-9, *, # or H
<i>Description/Function</i>	Specifies the VM (Voice Mail) Service command. This command is transmitted preceding the "Get Message" command above. This is effective to switch to a VM port when an AA port lights the MESSAGE indicator. This command is also transmitted preceding the "Leave Message" command when Operator transfers a call to an extension and then it is forwarded to an AA port so that the AA port can be switched to VM port temporarily.
<i>Reference</i>	• 1.3 System Features (F/G) – Integration, VPS

5.11.2 VPS Integration 2/2

Used to assign optional parameters for VPS Integration.

<i>Parameter</i>	DTMF signal duration
Default	80 ms
Value Range	80 ms 160 ms
Description/Function	Specifies the duration of the DTMF signals sent to the Voice Mail ports.
Reference	1.3 System Features (F/G) - Integration, VPS

<i>Parameter</i>	Pause timing before sending DTMF signal (Follow-on ID)
Default	1.5 s
Value Range	0.5 s 1.0 s 1.5 s 2.0 s
Description/Function	Specifies the length of time in seconds the system is to wait after Voice Mail port answers a call before sending DTMF signals (such as a mailbox number = Follow-on ID) to Voice Mail port.
Reference	1.3 System Features (F/G) - Integration, VPS

Parameter	Pause timing before sending DTMF signal (RBT, BT)
Default	1.5 s
Value Range	1. 0.5 s 2. 1.0 s 3. 1.5 s 4. 2.0 s
Description/Function	Specifies the length of time in seconds the system is to wait before sending Integration Code with DTMF signals (System- Voice Mail, Extension Status).
Reference	• 1.3 System Features (F/G) – Integration, VPS

Parameter	Turn off control of Message Waiting lamp
Default	System
Value Range	1. System 2. Voice Mail
Description/Function	Specifies whether the system or the Voice Mail port turns off the Message Waiting lamp after the extension user retrieved a message recorded in his mailbox.
Reference	• 1.3 System Features (F/G) – Integration, VPS • 1.17 Display Features (F/G) – Message Waiting

Parameter	Start AA service after FWD, IRNA of CO call
Default	Do not start
Value Range	1. Do not start 2. Start
Description/Function	Specifies whether the system starts the AA (Automated Attendant) Service or not when a CO call is directed to Voice Mail port by Call Forwarding or Intercept Routing. If "Start" is specified, "AA Service Code" is transmitted to the VM port and the VM service does not work.
Reference	• 1.3 System Features (F/G) – Integration, VPS

<i>Parameter</i>	Extension's mailbox number
<i>Default</i>	Programmed number
<i>Value Range</i>	1. Extension number 2. Programmed number
<i>Description/Function</i>	Specifies whether an extension's mailbox number is substituted by the extension number or it is programmable (free). If a call is forwarded or rerouted to the Voice Mail port, the system automatically transmits the mailbox number to the Voice Mail port to specify the extension user's mailbox. To make it programmable, select "Programmed number," then assign the mailbox number by "Mailbox No." setting in Section "4.3 Extension Line."
<i>Reference</i>	• 1.3 System Features (F/G) – Integration, VPS

<i>Parameter</i>	Call from AA port to AA port
<i>Default</i>	Allow
<i>Value Range</i>	1. Allow 2. Deny
<i>Description/Function</i>	Allows or disallows calling from an AA port of Voice Mail port to another AA port.
<i>Reference</i>	• 1.3 System Features (F/G) – Integration, VPS

<i>Parameter</i>	Sending out Follow-on ID after FWD
<i>Default</i>	Enable
<i>Value Range</i>	1. Disable 2. Enable
<i>Description/Function</i>	Specifies whether or not the system sends Follow-on ID to a Voice Mail port after forwarding a call to the Voice Mail port.
<i>Reference</i>	• 1.3 System Features (F/G) – Integration, VPS

<i>Parameter</i>	Sending out Follow-on ID after IRNA
<i>Default</i>	Disable
<i>Value Range</i>	1. Disable 2. Enable
<i>Description/Function</i>	Specifies whether or not the system sends Follow-on ID to a Voice Mail port after redirecting a call (IRNA) to the Voice Mail port.
<i>Reference</i>	• 1.3 System Features (F/G) – Integration, VPS

5.12 Caller ID Modification

Used to modify the telephone number sent from the Central Office by Caller ID Service to make up a telephone number for callback purposes.

<i>Parameter</i>	[Local Call] Area Code
<i>Default</i>	Blank
<i>Value Range</i>	Up to 6 digits consisting of 0-9
<i>Description/Function</i>	Specifies the area code of the location where your KX-TD500 system is installed.
Note This local area code is referenced to modify the telephone number.	
<i>Reference</i>	1.5 Attended Features (F/G) – Caller ID Service

<i>Parameter</i>	[Local Call] Digits to delete
<i>Default</i>	No.1: 3, Others: 0
<i>Value Range</i>	0-9
<i>Description/Function</i>	Specifies the number of digits to be deleted from the telephone number (sent from the Central Office by Caller ID Service) to make up a telephone number for local call. Digits are removed from the beginning of the received digits.
<i>Reference</i>	• 1.5 Attended Features (F/G) – Caller ID Service

<i>Parameter</i>	[Local Call] Number to be added
<i>Default</i>	Blank
<i>Value Range</i>	Up to 4 digits consisting of 0-9, *, or #
<i>Description/Function</i>	Specifies the number to be added to the telephone number (sent from the Central Office by Caller ID Service) to make up a telephone number for local call. The number is added to the beginning of the received digits.
<i>Reference</i>	• 1.5 Attended Features (F/G) – Caller ID Service

<i>Parameter</i>	[Long Distance Call] Digits to delete
<i>Default</i>	0
<i>Value Range</i>	0-9
<i>Description/Function</i>	Specifies the number of digits to be deleted from the telephone number (sent from the Central Office by Caller ID Service) to make up a telephone number for long distance call. Digits are removed from the beginning of the received digits.
<i>Reference</i>	• 1.5 Attended Features (F/G) – Caller ID Service

<i>Parameter</i>	[Long Distance Call] Number to be added
<i>Default</i>	1
<i>Value Range</i>	Up to 4 digits consisting of 0-9, *, or #
<i>Description/Function</i>	Specifies the number to be added to the telephone number (sent from the Central Office by Caller ID Service) to make up a telephone number for long distance call. The number is added to the beginning of the received digits.
<i>Reference</i>	• 1.5 Attended Features (F/G) – Caller ID Service

5.13 Caller ID Registration

5.13.1 Caller ID Registration

Used to assign the Caller ID code (identification code of the calling party) to utilise Caller ID Service provided by a specific Central Office (CO).

If an ID Code transmitted from CO is found in the Caller ID Code Table, the caller's ID Code or a name given to the code is displayed on the display PT, allowing the called party to recognise the caller before answering a call. If the network provides telephone number only, the system searches for the matching name from the Caller ID Code Table. If the matching name is found, the system will display both the telephone number and the name.

No.	Name [Max. 16 Characters]	Number [Max. 24 Digits]
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Import from System Speed Dial

Provides quick registration of Caller ID names and numbers.

Up to 1000 System Speed Dial data (names and numbers) stored in "5-1 System Speed Dialling" screen can be copied to "5-12 Caller ID Registration" screen at once with a simple operation.

Operation

- a) Specify the Tenant No. in "5-12 Caller ID Registration" screen.
 - This determines the tenant no. of the System Speed Dial data to be copied.
- b) Click "Import from Sys. Speed Dial" button on "5-12 Caller ID Registration" screen.
 - The message "**W5022 Existing entries will be lost. Do you wish to continue?**" is displayed.
 - If you want to cancel the operation, click **Cancel**.

c) Click to continue the operation.

- The message "Import..." is displayed and copying the System Speed Dial data begins.
- When copying is finished, "5-12 Caller ID Registration" screen is displayed again.

<i>Parameter</i>	Tenant No.
<i>Default</i>	1
<i>Value Range</i>	1-8
<i>Description/Function</i>	Specifies the tenant to which the Caller ID codes are assigned. (Required when "Tenant Service" is employed.)
<i>Reference</i>	• 1.3 System Features (F/G) – Tenant Service • 2.2 Tenant (P/G)

<i>Parameter</i>	Entry No.
<i>Default</i>	0001-0010
<i>Value Range</i>	0001-1000 in 10 codes increments
<i>Description/Function</i>	Specifies the entry number of Caller ID codes which you are going to programme.
<i>Reference</i>	None

<i>Parameter</i>	Import from Sys. Speed Dial
<i>Default</i>	—
<i>Value Range</i>	—
<i>Description/Function</i>	Please refer to "Import from System Speed Dial" in this section.
<i>Reference</i>	None

<i>Parameter</i>	Name
<i>Default</i>	Blank
<i>Value Range</i>	Up to 16 characters consisting of 0-9, A-Z, a-z or the following marks: ! # \$ % * ' () + , - / : ; < = > ? @ &.
<i>Description/Function</i>	Specifies the name to a Caller ID code.
	Note With Caller ID Service, the calling party is displayed either by its ID Code or name. If the name display is required, use this programme to give a name to a Caller ID code.
<i>Reference</i>	2.10.1 Calling Using the Call Log (Incoming Call Log) [KX-T7433, KX-T7436, KX-T7230, KX-T7235 only] (U/M)

<i>Parameter</i>	Number
<i>Default</i>	Blank
<i>Value Range</i>	Up to 24 digits consisting of 0-9, * or #
<i>Description/Function</i>	Specifies the identification code of the calling party (Caller ID code) to utilise Caller ID Service.
<i>Reference</i>	2.10.1 Calling Using the Call Log (Incoming Call Log) [KX-T7433, KX-T7436, KX-T7230, KX-T7235 only] (U/M)

5.14 UCD Time Table

If all extensions in a UCD group are busy, the incoming CO calls will be handled by the UCD Time Table procedure.

Up to 32 UCD Time Tables, max.16 steps for each, can be assigned.

<i>Parameter</i>	Table No.
<i>Default</i>	1
<i>Value Range</i>	1-32
<i>Description/Function</i>	Specifies the UCD Time Table which you are going to programme.
<i>Reference</i>	• 3.3 Extension Group (P/G) • 3.5 Incoming Group (P/G)

<i>Parameter</i>	Command Sequence (1-16)
<i>Default</i>	None
<i>Value Range</i>	None, S1 - S8, 1T - 4T, TR, RET, OFF
<i>Description/Function</i>	The following commands are provided to construct a UCD Time Table procedure. <Commands list and their functions> None: Skips to the next sequence. S1 - S8: OGM (1-8) is sent to the caller if available. If not, wait until OGM (1-8) becomes available. 1T - 4T: Callers are put in the waiting queue for $N (1-4) \times 8$ seconds while hearing the ringback tone or music on hold. TR: Transfers a call to the Overflow destination. RET: Returns to the first step of the sequence. OFF: Disconnects the call compulsorily. Note • If an unavailable OGM S(1-8) is assigned in the UCD Time Table, it will be ignored.
<i>Reference</i>	• 3.3 Extension Group (P/G) • 3.5 Incoming Group (P/G)

5.15 Charge

Used to assign parameters for the Charge Fee Management feature.

Parameter	Charge Display on LCD
Default	Meter
Value Range	1. Meter 2. Charge
Description/Function	Specifies the initial display format of the charge fee on a display PT.
Reference	• 1.3 System Features (F/G) – Charge Fee Reference

Parameter	Charge by SMDR
Default	Meter
Value Range	1. Meter 2. Charge
Description/Function	Specifies the SMDR Output Mode of the telephone charge.
Reference	• 1.3 System Features (F/G) – Station Message Detail Recording (SMDR)

<i>Parameter</i>	[Charge Verification ID Code] Tenant 1-8
<i>Default</i>	1234
<i>Value Range</i>	4-7 digits consisting of 0-9
<i>Description/Function</i>	Specifies the ID code required for the charge management. When "Tenant Service" is employed, the password for each tenant (Tenant 1 to 8) can be assigned respectively.
<i>Reference</i>	• 1.3 System Features (F/G) – Tenant Service • 4.2 Charge Fee Management (Station Programming) (U/M) • 2.2 Tenant (P/G)

<i>Parameter</i>	Rate
<i>Default</i>	1.0
<i>Value Range</i>	0.00001-999999
<i>Description/Function</i>	Specifies the charge rate per metre.

Notes

- The telephone charge is calculated by multiplying the value of "Rate" and the metre (the number of Pay Tones sent from the Central Office).
- Telephone charge is shown on a display PT in a max. 8 digits (including the '.' [decimal point]) format.

<i>Reference</i>	• 4.2 Charge Fee Management (Station Programming) (U/M)
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<i>Parameter</i>	Currency
<i>Default</i>	\$
<i>Value Range</i>	Up to 2 characters consisting of 0-9, A-Z, a-z or the following marks: ! # \$ % * ' () + , - / : ; < = > ? @ &.
<i>Description/Function</i>	Specifies the currency appropriate to your country/area.
<i>Reference</i>	None

<i>Parameter</i>	Currency Display Position
<i>Default</i>	Tail
<i>Value Range</i>	1. Head 2. Tail
<i>Description/Function</i>	Specifies whether the currency of the charge is displayed before (Head) or after (Tail) the charge display.
<i>Reference</i>	None

<i>Parameter</i>	Treatment of Charge Limit
<i>Default</i>	Alarm Tone
<i>Value Range</i>	1. Alarm Tone 2. Alarm Tone and Disconnect 3. Disconnect
<i>Description/Function</i>	Specifies the treatment of the call / caller when the telephone charge of the extension exceeds the pre-assigned limit during a call.
<i>Reference</i>	None

<i>Parameter</i>	Meter Increment by Answer Detection
<i>Default</i>	Disable
<i>Value Range</i>	1. Enable 2. Disable
<i>Description/Function</i>	Specifies whether or not the system starts the counting of telephone charge when the system detects the answer signal from the Central Office.
<i>Reference</i>	None

5.16 Hotel

Used to assign parameters for Hotel Application.

<i>Parameter</i>	[Charge] Margin
<i>Default</i>	0.0 %
<i>Value Range</i>	0-999.9 %
<i>Description/Function</i>	Specifies a margin rate of telephone charge which will be appended to the Check Out Sheet.
<i>Reference</i>	• 3.2.6 Hotel Use Features (Hotel Application) [KX-T7436, KX-T7235 only] (U/M) • 1.3 System Features (F/G) – Hotel Application • 2.8 System Option (P/G) – Displaying charge fee on LCD including margin

<i>Parameter</i>	[Charge] TAX1
<i>Default</i>	30.0 %
<i>Value Range</i>	0-200.0 %
<i>Description/Function</i>	Specifies a tax rate which applies to the item specified by "[Title] 1" setting (default =Telephone). This will be appended to the Check Out Sheet.
<i>Reference</i>	• 3.2.6 Hotel Use Features (Hotel Application) [KX-T7436, KX-T7235 only] (U/M) • 1.3 System Features (F/G) – Hotel Application • 2.8 System Option (P/G) – Displaying charge fee on LCD including tax

<i>Parameter</i>	[Charge] TAX2
<i>Default</i>	30.0 %
<i>Value Range</i>	0-200.0 %
<i>Description/Function</i>	Specifies a tax rate which applies to the item specified by "[Title] 2" setting (default =Minibar). This will be appended to the Check Out Sheet.
<i>Reference</i>	• 3.2.6 Hotel Use Features (Hotel Application) [KX-T7436, KX-T7235 only] (U/M) • 1.3 System Features (F/G) – Hotel Application • 2.8 System Option (P/G) – Displaying charge fee on LCD including tax

<i>Parameter</i>	[Charge] TAX3
<i>Default</i>	30.0 %
<i>Value Range</i>	0-200.0 %
<i>Description/Function</i>	Specifies a tax rate which applies to the item specified by "[Title] 3" setting (default =Others). This will be appended to the Check Out Sheet.
<i>Reference</i>	• 3.2.6 Hotel Use Features (Hotel Application) [KX-T7436, KX-T7235 only] (U/M) • 1.3 System Features (F/G) – Hotel Application • 2.8 System Option (P/G) – Displaying charge fee on LCD including tax

<i>Parameter</i>	[Title] 1
<i>Default</i>	Telephone
<i>Value Range</i>	Up to 10 characters consisting of 0-9, A-Z, a-z or the following marks: ! # \$ % * ' () + , - / : ; < = > ? @ &.
<i>Description/Function</i>	A tax rate for this item can be set by "[Charge] TAX1" setting. (A available only when "English" is specified in "Language" programming.)
<i>Reference</i>	• 3.2.6 Hotel Use Features (Hotel Application) [KX-T7436, KX-T7235 only] (U/M) • 1.3 System Features (F/G) – Hotel Application

<i>Parameter</i>	[Title] 2
<i>Default</i>	Minibar
<i>Value Range</i>	Up to 10 characters consisting of 0-9, A-Z, a-z or the following marks: ! # \$ % * ' () + , - / : ; < = > ? @ &.
<i>Description/Function</i>	A tax rate for this item can be set by "[Charge] TAX2" setting. (A available only when "English" is specified in "Language" programming.)
<i>Reference</i>	• 3.2.6 Hotel Use Features (Hotel Application) [KX-T7436, KX-T7235 only] (U/M) • 1.3 System Features (F/G) – Hotel Application

<i>Parameter</i>	[Title] 3
<i>Default</i>	Others
<i>Value Range</i>	Up to 10 characters consisting of 0-9, A-Z, a-z or the following marks: ! # \$ % * ' () + , - / : ; < = > ? @ &.
<i>Description/Function</i>	A tax rate for this item can be set by "[Charge] TAX3" setting. (A available only when "English" is specified in "Language" programming.)
<i>Reference</i>	• 3.2.6 Hotel Use Features (Hotel Application) [KX-T7436, KX-T7235 only] (U/M) • 1.3 System Features (F/G) – Hotel Application

<i>Parameter</i>	Title Header (3 lines)
<i>Default</i>	Check Out Sheet
<i>Value Range</i>	Characters consisting of 0-9, A-Z, a-z or the following marks: ! # \$ % * ' () + , - / : ; < = > ? @ &.
<i>Description/Function</i>	Defines the "Title Header" format of Check Out Sheet which will be printed out by SMDR. (A available only when "English" is specified in "Language" programming.)
<i>Reference</i>	• 3.2.6 Hotel Use Features (Hotel Application) [KX-T7436, KX-T7235 only] (U/M) • 1.3 System Features (F/G) – Hotel Application

<i>Parameter</i>	[Header Start] Line
<i>Default</i>	1
<i>Value Range</i>	1-21
<i>Description/Function</i>	Specifies the start line of the header.
<i>Reference</i>	• 3.2.6 Hotel Use Features (Hotel Application) [KX-T7436, KX-T7235 only] (U/M) • 1.3 System Features (F/G) – Hotel Application

<i>Parameter</i>	[Header Start] Column
<i>Default</i>	1
<i>Value Range</i>	1-40
<i>Description/Function</i>	Specifies the start column of the header.
<i>Reference</i>	• 3.2.6 Hotel Use Features (Hotel Application) [KX-T7436, KX-T7235 only] (U/M) • 1.3 System Features (F/G) – Hotel Application

<i>Parameter</i>	[Data Start] Line
<i>Default</i>	4
<i>Value Range</i>	4-24
<i>Description/Function</i>	Specifies the start line of the data portion.
<i>Reference</i>	• 3.2.6 Hotel Use Features (Hotel Application) [KX-T7436, KX-T7235 only] (U/M) • 1.3 System Features (F/G) – Hotel Application

<i>Parameter</i>	[Data Start] Column
<i>Default</i>	1
<i>Value Range</i>	1-40
<i>Description/Function</i>	Specifies the start column of the data portion.
<i>Reference</i>	• 3.2.6 Hotel Use Features (Hotel Application) [KX-T7436, KX-T7235 only] (U/M) • 1.3 System Features (F/G) – Hotel Application

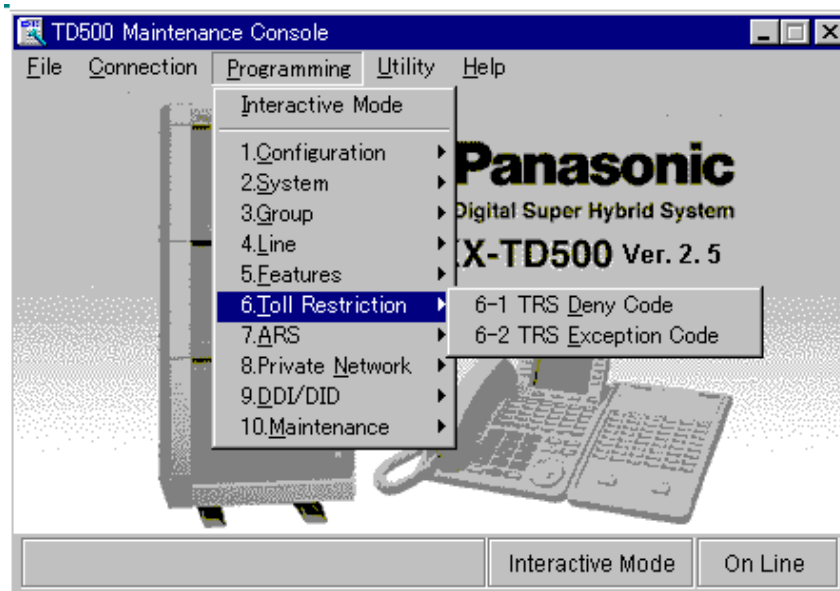
<i>Parameter</i>	Language
<i>Default</i>	English
<i>Value Range</i>	1. English 2. Option
<i>Description/Function</i>	Specifies the date display language printed out by SMDR.
<i>Reference</i>	• 2.9 Language Data (P/G)

Section 6

Toll Restriction

6.1 Toll Restriction

Used to assign TRS (Toll Restriction) Deny Codes and TRS Exception Codes.



6.2 TRS Deny Code

Used to programme a list of up to 400 TRS (Toll Restriction) Deny Codes - telephone numbers that extension users cannot dial.

<i>Parameter</i>	TRS Level
<i>Default</i>	6
<i>Value Range</i>	2 - 6
<i>Description/Function</i>	Specifies a TRS (toll restriction) level.
<i>Reference</i>	1.6 Originating Features (F/G) - Toll Restriction

<i>Parameter</i>	Entry No.
<i>Default</i>	001-020
<i>Value Range</i>	001-400 in 20 entries increments
<i>Description/Function</i>	Specifies a unit of 20 TRS Deny Codes which apply to the TRS level selected.
<i>Reference</i>	1.6 Originating Features (F/G) - Toll Restriction

<i>Parameter</i>	Dial
<i>Default</i>	Blank
<i>Value Range</i>	Up to 10 digits consisting of 0-9, X, * or #
<i>Description/Function</i>	Specifies the leading 10 digits of the toll-restricted telephone numbers.
	<u>Note</u> • "X" can be used as a wild card character which substitutes any digit in its position.
<i>Reference</i>	• 1.6 Originating Features (F/G) – Toll Restriction

6.3 TRS Exception Code

Used to programme a list of numbers that an extension is allowed to dial, even if these numbers are listed in a TRS Deny Code Table.

Up to 200 TRS Exception codes can be assigned.

<i>Parameter</i>	TRS Level
<i>Default</i>	6
<i>Value Range</i>	2-6
<i>Description/Function</i>	Specifies a TRS (toll restriction) level.
<i>Reference</i>	1.6 Originating Features (F/G) – Toll Restriction

<i>Parameter</i>	Entry No.
<i>Default</i>	001-020
<i>Value Range</i>	001-200 in 20 entries increments
<i>Description/Function</i>	Specifies a unit of 20 TRS Exception codes which apply to the TRS level selected.
<i>Reference</i>	1.6 Originating Features (F/G) – Toll Restriction

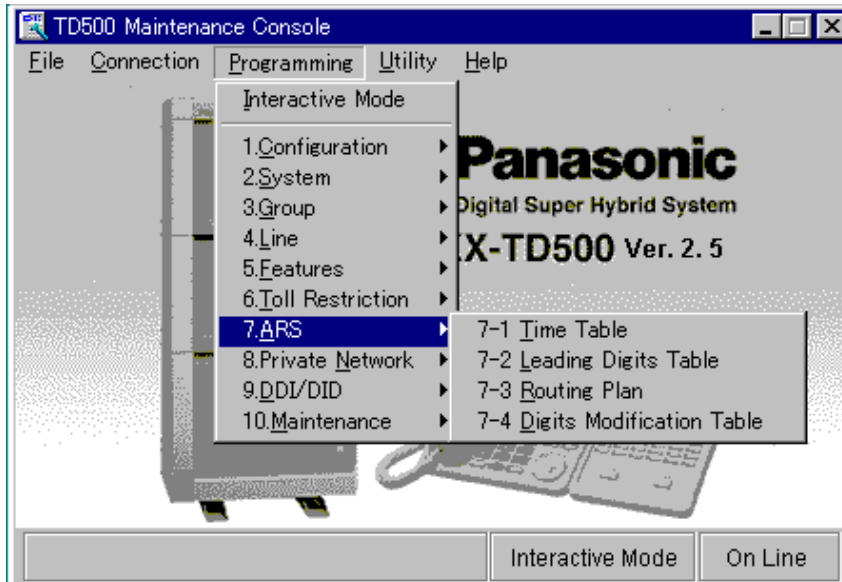
<i>Parameter</i>	Dial
<i>Default</i>	Blank
<i>Value Range</i>	Up to 10 digits consisting of 0-9, X, * or #
<i>Description/Function</i>	Specifies the leading 10 digits of the telephone numbers which are excepted from the toll restriction.
	<u>Note</u> • "X" can be used as a wild card character which substitutes any digit in its position.
<i>Reference</i>	• 1.6 Originating Features (F/G) – Toll Restriction

Section 7

ARS (Automatic Route Selection)

7.1 ARS (Automatic Route Selection)

Used to assign ARS parameters.



7.2 Time Table

Used to make up ARS time schedules. It is possible to split a day into four time zones (maximum) so that the least expensive line is selected for that time. Enter the starting time of each zone according to the service hours and charges offered by your carriers.

	Time-A	Time-B	Time-C	Time-D
SUN	08 : 00 AM	00 : 00 Disable	00 : 00 Disable	00 : 00 Disable
MON	08 : 00 AM	00 : 00 Disable	00 : 00 Disable	00 : 00 Disable
TUE	08 : 00 AM	00 : 00 Disable	00 : 00 Disable	00 : 00 Disable
WED	08 : 00 AM	00 : 00 Disable	00 : 00 Disable	00 : 00 Disable
THU	08 : 00 AM	00 : 00 Disable	00 : 00 Disable	00 : 00 Disable
FRI	08 : 00 AM	00 : 00 Disable	00 : 00 Disable	00 : 00 Disable
SAT	08 : 00 AM	00 : 00 Disable	00 : 00 Disable	00 : 00 Disable

7-1 Time Table [OK] [Apply] [Cancel] [Help]

<i>Parameter</i>	Time A,-B,-C,-D, (SUN, MON, TUE, WED, THU, FRI, SAT)
<i>Default</i>	Time-A=8:00AM, Time-B=5:00PM, Time-C=9:00PM, Time-D=Disable
<i>Value Range</i>	Hour : 01-12, AM / PM / Disable
<i>Description/Function</i>	Specifies starting time (Hour: 01-12, AM / PM / Disable) of the applied Route List.
<i>Reference</i>	• 1.6 Originating Features (F/G) – Automatic Route Selection (ARS) • 7.4 Routing Plan (P/G)

7.3 Leading Digits Table

Used to determine the appropriate Route Plan Table number for a call by analysing the extension user-dialled number. Up to 800 Leading Digits entries can be programmed in the system.

7-2 ARS Leading Digits Table

Entry No.

No.	Dial [Max. 10 Digits]	Routing Plan No.
1		None
2		None
3		None
4		None
5		None
6		None
7		None
8		None
9		None
10		None
11		None
12		None
13		None
14		None
15		None
16		None
17		None
18		None
19		None
20		None

7-2 Leading Digits Table

Parameter	Entry No.
Default	001-020
Value Range	001-800 in 20 entries increments
Description/Function	Specifies the entry number which you are going to programme.
Reference	1.6 Originating Features (F/G) - Automatic Route Selection (ARS)

Parameter	Dial
Default	Blank
Value Range	Up to 10 digits consisting of 0-9, *, # or X
Description/Function	Specifies the leading 10 digits of the telephone number which will be routed by ARS procedure.

Note

- "X" can be used as a wild card character which substitutes any digit in its position.

(Example 1.)

Leading Digits: 1800 → ARS Plan 1

Leading Digits: 1××× → ARS Plan 2

If the user-dialled number is "1800," the system selects ARS Plan 1.

(Example 2.)

Leading Digits: 1800 → ARS Plan 1

Leading Digits: 1× → ARS Plan 2

If the user-dialled number is "1800," the system selects ARS Plan 2.

- | | |
|------------------|---|
| Reference | <ul style="list-style-type: none"> • 1.6 Originating Features (F/G) <ul style="list-style-type: none"> – Automatic Route Selection (ARS) |
|------------------|---|

Parameter	Routing Plan No.
Default	None
Value Range	None, 1-48
Description/Function	Specifies the Routing Plan (1 - 48) which is used for routing the telephone number registered in "Dial" field above.
Reference	• 1.6 Originating Features (F/G) – Automatic Route Selection (ARS)

7.4 Routing Plan

Used to specify the Trunk Group number (1-48) and Modified Digit Table number (1-48) to be used for each route plan and time schedule. Up to 48 Routing Plan entries can be programmed in the system.

<i>Parameter</i>	Plan No.
<i>Default</i>	1
<i>Value Range</i>	1-48
<i>Description/Function</i>	Specifies the Routing Plan Table (1-48) which you are going to programme.
<i>Reference</i>	• 1.6 Originating Features(F/G) – Automatic Route Selection (ARS)

<i>Parameter</i>	[Time-A, -B, -C, -D] Trunk Group No.
<i>Default</i>	None
<i>Value Range</i>	None, 1-48
<i>Description/Function</i>	Specifies the TRG (Trunk Group) (1-48) which is used for routing the call. Up to 16 trunk groups can be entered.
<i>Reference</i>	• 1.6 Originating Features(F/G) – Automatic Route Selection (ARS)

<i>Parameter</i>	[Time-A, -B, -C, -D] Modification Table No.
<i>Default</i>	None
<i>Value Range</i>	None, 1-48
<i>Description/Function</i>	Specifies the MOD (Modified Digit) table (1-48) which is used to modify the user-dialled number so that it matches the requirements of the carrier.
<i>Reference</i>	• 1.6 Originating Features(F/G) – Automatic Route Selection (ARS)

7.5 Digits Modification Table

Used to modify the user-dialled number so that it matches the requirements of the carrier. Up to 48 Digits Modification entries can be programmed in the system.

7-4 ARS Digits Modification Table

Entry No. 01-08

No.	Digits to delete	Number to be added [Max. 20 Digits]
1	0	
2	0	
3	0	
4	0	
5	0	
6	0	
7	0	
8	0	

7-4 Digits Modification Table OK Apply Cancel Help

Parameter	Entry No.
Default	01-08
Value Range	01-48 in 8 entries increments
Description/Function	Specifies the entry number of Digits Modification table which you are going to programme.
Reference	• 1.6 Originating Features(F/G) – Automatic Route Selection (ARS)

Parameter	Digits to delete
Default	0
Value Range	0-9
Description/Function	Specifies the number of digits to be deleted from the beginning of the user-dialled number. If you set to "0," no digit is deleted from the user-dialled number.
Reference	• 1.6 Originating Features(F/G) – Automatic Route Selection (ARS)

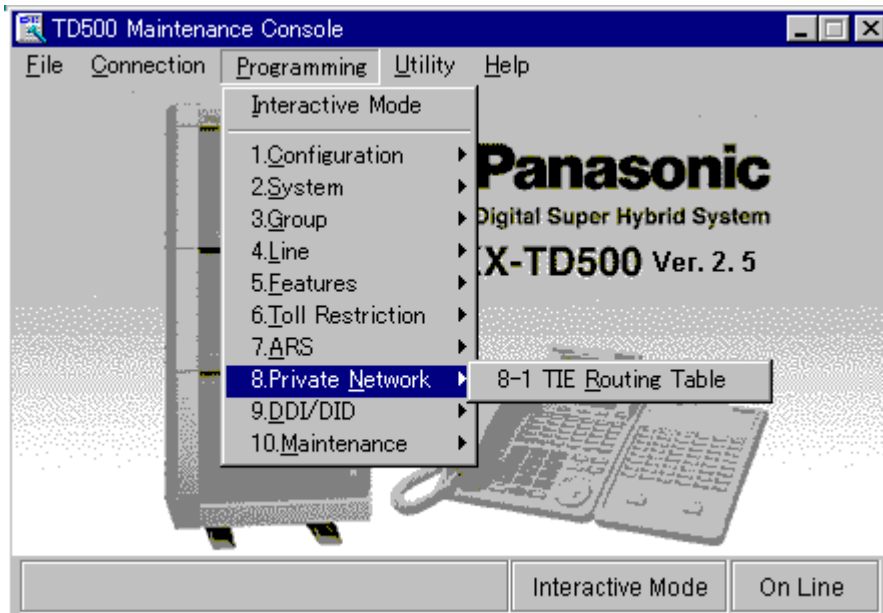
<i>Parameter</i>	Number to be added
<i>Default</i>	Blank
<i>Value Range</i>	Up to 20 digits consisting of 0-9, *, # or P [Pause]
<i>Description/Function</i>	Specifies the dialling number to be added to the beginning of the user-dialled number.
<i>Reference</i>	• 1.6 Originating Features(F/G) – Automatic Route Selection (ARS)

Section 8

Private Network

8.1 Private Network

Used to assign parameters required to utilise TIE line service.



8.2 TIE Routing Table

Used to specify trunk groups and parameters required for making TIE calls.

This table is referenced by the system to identify the trunk route, when an extension user made a TIE call by dialling the feature number for "TIE Line Access" or "Other PBX Extension number."

The first 3 digits (other than TIE Line Access Code) of the dialled number decide a routing pattern appropriate for each call. Up to 36 routing patterns can be programmed in this table.

<i>Parameter</i>	<i>Entry No.</i>
<i>Default</i>	01-08
<i>Value Range</i>	01-36
<i>Description/Function</i>	Specifies the entry number of Routing Table which you are going to programme.
<i>Reference</i>	• 3.1 TIE Line Features (F/G) – TIE Line Service

<i>Parameter</i>	<i>PBX Code</i>
<i>Default</i>	Blank
<i>Value Range</i>	Up to 3 digits consisting of 0-9
<i>Description/Function</i>	Specifies the ID code for your PBX. (Required when your PBX is a part of a TIE Line Network.)
<i>Reference</i>	• 3.1 TIE Line Features (F/G) – TIE Line Service

<i>Parameter</i>	Leading Digit
<i>Default</i>	Blank
<i>Value Range</i>	Up to 3 digits consisting of 0-9 or X
<i>Description/Function</i>	Specifies the leading one, two or three digits of the number for TIE calls. Used to determine the trunk group for routing a TIE call.

Note

- "X" can be used as a wild card character which substitutes any digit in its position.

<i>Reference</i>	• 3.1 TIE Line Features (F/G) – TIE Line Service
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<i>Parameter</i>	Digits to delete
<i>Default</i>	0
<i>Value Range</i>	0-16
<i>Description/Function</i>	Specifies the number of digits to be deleted from the dialled digits.
<i>Reference</i>	• 3.1 TIE Line Features (F/G) – TIE Line Service

<i>Parameter</i>	Number to be added
<i>Default</i>	Blank
<i>Value Range</i>	Up to 20 digits consisting of 0-9
<i>Description/Function</i>	Specifies the dialling number to be added to the dialled digits.
<i>Reference</i>	• 3.1 TIE Line Features (F/G) – TIE Line Service

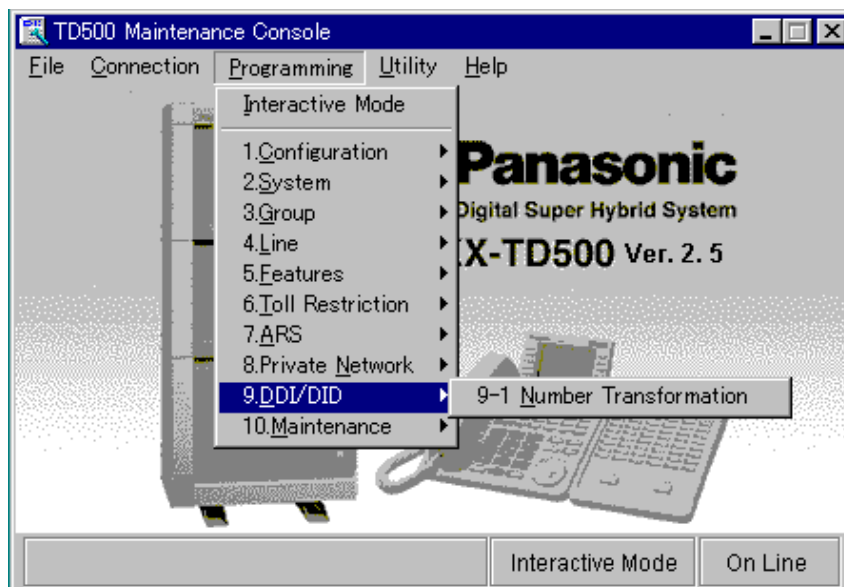
<i>Parameter</i>	Trunk Group No.
<i>Default</i>	None
<i>Value Range</i>	None, 1-48
<i>Description/Function</i>	Specifies the trunk group hunt sequence to be used when placing a TIE call. The sequence is commonly used by all tenants but trunk group will be skipped if it does not belong to the same tenant as the caller.
<i>Reference</i>	• 3.1 TIE Line Features (F/G) – TIE Line Service

Section 9

DDI / DID

9.1 DDI/DID

Used to assign parameters required to utilise DDI/DID service.



9.2 Number Transformation

9.2.1 Number Transformation

Used to specify several parameters for DDI / DID / MSN service.

<i>Parameter</i>	<i>Entry No.</i>
<i>Default</i>	0001-0010
<i>Value Range</i>	0001-1000 in 10 entries increments
<i>Description/Function</i>	Specifies the entry number of DDI / DID / MSN No. which you are going to programme.
<i>Reference</i>	• 1.5 Attended Features (F/G) – Direct Inward Dialling (DID) • 2.4 ISDN Attended Features (F/G) – Direct Dialling In (DDI) – Multiple Subscriber Number (MSN) Ringing Service

<i>Parameter</i>	<i>Automatic Registration</i>
<i>Default</i>	—
<i>Value Range</i>	—
<i>Description/Function</i>	You can enter into "Automatic Registration" screen (Section 9.2.2) by clicking [Automatic Registration] button on this screen.
<i>Reference</i>	None

Parameter	DDI / DID / MSN No.
Default	Blank
Value Range	Up to 16 digits consisting of 0-9
Description/Function	Specifies the DDI / DID / MSN number which will be sent from the Central Office to the KX-TD500 system.

Note

- The DDI / DID / MSN number which has already been assigned cannot be registered.

Reference	• 1.5 Attended Features (F/G) – Direct Inward Dialling (DID) • 2.4 ISDN Attended Features (F/G) – Direct Dialling In (DDI) – Multiple Subscriber Number (MSN) Ringing Service
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Parameter	Tenant No.
Default	1
Value Range	1-8
Description/Function	Specifies the tenant used for DDI / DID call when "DDI / DID No." is specified in "Tenant Select Mode for DDI / DID" programming in Section "2.8 System Option".
Reference	• 1.5 Attended Features (F/G) – Direct Inward Dialling (DID) • 2.3 ISDN Answering Features (F/G) – Direct Inward Dialling (DID) • 2.8 System Option (P/G) – Tenant Select Mode for DDI / DID

Parameter	VPS Trunk Group No.
Default	1
Value Range	1-48
Description/Function	Specifies the trunk group used for the call to the VPS when "DID / DDI No." is specified in "Tenant Select Mode for DID / DDI" programming in Section "2.8 System Option".
Reference	• 1.5 Attended Features (F/G) – Direct Inward Dialling (DID) • 2.3 ISDN Answering Features (F/G) – Direct Inward Dialling (DID) • 2.8 System Option(P/G) – Tenant Select Mode for DID / DDI

<i>Parameter</i>	Destination – Day / Night
<i>Default</i>	Blank
<i>Value Range</i>	3-4 digits consisting of 0-9
<i>Description/Function</i>	Specifies the DN / FDN (Extension Group, TAFAS, Phantom Extension, Remote Resource, OGM Group, Incoming Group) and Other PBX Extension where a DDI / DID call comes in during Day / Night mode respectively.
<i>Reference</i>	• 1.5 Attended Features (F/G) – Direct Inward Dialling (DID) • 2.4 ISDN Attended Features (F/G) – Direct Dialling In (DDI) • 2.3 Numbering Plan (P/G) – Other PBX 01 – Other PBX 16

<i>Parameter</i>	Name
<i>Default</i>	Blank
<i>Value Range</i>	Up to 10 characters consisting of 0-9, A-Z, a-z or the following marks: ! # \$ % * ' () + , - / : ; < = > ? @ &.
<i>Description/Function</i>	Specifies the name for the destination extension where a DDI / DID call comes in.
<i>Reference</i>	• 1.5 Attended Features (F/G) – Direct Inward Dialling (DID) • 2.4 ISDN Attended Features (F/G) – Direct Dialling In (DDI)

<i>Parameter</i>	MSN Line No.
<i>Default</i>	Blank
<i>Value Range</i>	Physical number of the trunk port
<i>Description/Function</i>	Specifies the physical number of the trunk port. This port will be used to forward a call by ISDN Line.
<i>Reference</i>	• 2.5 ISDN Transferring Features (F/G) – Call Forwarding by ISDN Line

9.2.2 Automatic Registration of DDI / DID / MSN Numbers

Provides quick registration of DDI / DID / MSN numbers.

Up to 100 entries can be registered at once with a simple operation.

Operation

1. Click "Automatic Registration" button on "9-1 Number Transformation" screen.
 - "Automatic Registration" screen is displayed.

2. Enter the appropriate parameters.

Programming Example:

[Base Number] Dial : 123456

[Additional Number] Number of Registrations: 100

[Additional Number] Number of Digits: 2

Beginning Entry No.: 1

3. Click "Execute."

- The following DDI / DID / MSN numbers are registered in Entry Nos. 1–100 of "DDI / DID / MSN No." automatically.

Programming Example:

Entry No.1 : 123456 (00)

Entry No.2 : 123456 (01)

Entry No.3 : 123456 (02)

•
•
•
•

Entry No.99 : 123456 (98)
Entry No.100 : 123456 (99)

Notes

- If more than 15 digits are entered in "[Base Number] Dial" field, the following warning message will be displayed:
"W9005 : Base dial number must not exceed 15 digits. Truncate it?"
If you press "OK," the exceeded digits will be truncated automatically.
- If the total digits of "Base Number" and "Number of Digits" are over 16, the following error message will be displayed:
"E9010: Number of DDI dial must be equal to or less than 16 digits."
Then the operation will be aborted.
- If "Beginning Entry No." exceeds 991, the following error message will be displayed:
"E9011: Beginning Entry No. must be equal to or less than 991."
Then the operation will be aborted.
- The new entries will override the old ones, if "DDI / DID / MSN" numbers are already registered in the specified areas.
- If the number of remaining Entry fields is less than the number specified by "Number of Registrations" setting, for example, "Number of Registrations" is 20 and "Beginning Entry No." is 991 (10 of 1000 Entry fields are left), only the first 10 DDI / DID / MSN numbers are registered.

<i>Parameter</i>	[Base Number] Dial
<i>Default</i>	Blank
<i>Value Range</i>	Up to 15 digits consisting of 0-9
<i>Description/Function</i>	Specifies the base number for automatic registration. Additional numbers are appended to the end of this number.
<i>Reference</i>	None

<i>Parameter</i>	[Additional Number] Number of Registrations
<i>Default</i>	10 entries
<i>Value Range</i>	10-100 entries in 10 entries increments
<i>Description/Function</i>	Specifies the number of DDI / DID / MSN entries to be registered automatically.
<i>Reference</i>	None

<i>Parameter</i>	[Additional Number] Number of Digits
<i>Default</i>	2 digits (00-99)
<i>Value Range</i>	1-16 digits
<i>Description/Function</i>	Specifies the number of digits to be added to the end of the Base Number.
<i>Reference</i>	None

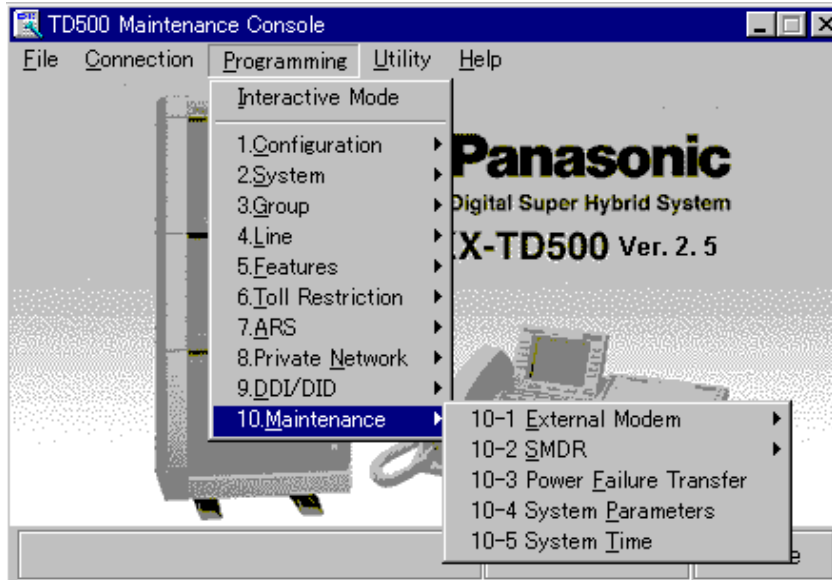
<i>Parameter</i>	Beginning Entry No.
<i>Default</i>	1 (Entry No.1)
<i>Value Range</i>	1-991
<i>Description/Function</i>	Specifies the first entry number for automatic registration. This number corresponds to the "DDI / DID /MSN No." in "9-1 Number Transformation" screen.
<i>Reference</i>	None

Section 10

Maintenance

10.1 Maintenance

Used to assign parameters for system maintenance.



10.2 External Modem 1/2

The system supports an external modem plugged into the RS-232C port for remote system administration.

<i>Parameter</i>	Manual Initialization Command (1- 5)
<i>Default</i>	All: Blank
<i>Value Range</i>	Up to 80 characters consisting of 0-9, A-Z, a-z or the following marks: ! # \$ % * ' () + , - / : ; < = > ? @ &.
<i>Description/Function</i>	Specifies Modem Manual Initialisation Command.
<i>Reference</i>	• 1.3 System Features (F/G) – External Modem Control • 2.11.1 Controlling the External Modem (External Modem Control) (U/M)

<i>Parameter</i>	Automatic Initialization Command
<i>Default</i>	AT&F0Q0E0V1S0=1X0&D0
<i>Value Range</i>	Up to 80 characters consisting of 0-9, A-Z, a-z or the following marks: ! # \$ % * ' () + , - / : ; < = > ? @ &.
<i>Description/Function</i>	Specifies Modem Automatic Initialisation Command.

Note

- A hardware flow control cannot be done by the communication port of KX-TD500. Therefore, the hardware flow control of your modem must be disabled to communicate correctly. It depends on the type of the modem you use. In most cases, hardware flow control can be disabled by sending the "&K0" command from the PBX to the external modem. (Please refer to the manual of the external modem you use for further information.) It is recommended to add this command to "Automatic Initialisation Command," the command to initialise the modem automatically every time an external modem is plugged into the RS-232C Port 1.

Reference

- 1.3 System Features (F/G)
 - External Modem Control
- 2.11.1 Controlling the External Modem (External Modem Control) (U/M)

10.3 External Modem 2/2

<i>Parameter</i>	Connection Message (1-5)
Default	Message 1: CONNECT, Others: Blank
Value Range	Up to 80 characters consisting of 0-9, A-Z, a-z or the following marks: ! # \$ % * ' () + , - / : ; < = > ? @ & .
Description/Function	Specifies Connection Message from Modem.
Reference	• 1.3 System Features (F/G) – External Modem Control • 2.11.1 Controlling the External Modem (External Modem Control) (U/M)

<i>Parameter</i>	Disconnection Message (1-5)
Default	Message 1: NO CARRIER, Others: Blank
Value Range	Up to 80 characters consisting of 0-9, A-Z, a-z or the following marks: ! # \$ % * ' () + , - / : ; < = > ? @ & .
Description/Function	Specifies Disconnection Message from Modem.
Reference	• 1.3 System Features (F/G) – External Modem Control • 2.11.1 Controlling the External Modem (External Modem Control) (U/M)

10.4 SMDR

10.4.1 SMDR 1/2

Station Message Detail Recording (SMDR) automatically records detailed information for outside calls.

10-2 SMDR 1/2

SMDR Connection

☐ Yes ☒ No

Output Type

Type-A

Print out Error Information

☒ Disable ☐ Enable

Format

Page Length

24 lines

Skip Perforation

0

Duration Log

Outgoing Calls

All

Incoming Calls

On

Print out Caller ID Information

Number

Print out DDI/DID Information

Disable

Print out Incoming Call Start "RC" and Incoming Call Answer "AN" information

☒ Disable ☐ Enable

Print out Timed Reminder Information

☒ Disable ☐ Enable

Print out Account Code

☐ Disable ☒ Enable

Last Entered Code

Print out LOGIN/LOGOUT

☒ Disable ☐ Enable

Time Display Mode

☒ 12h ☐ 24h

Print out Check-in / Check-out

☒ Disable ☐ Enable

Print out Absent Message (6-9)

☒ Disable ☐ Enable

10-2 SMDR 1/2

OK

Apply

Cancel

Help

Parameter	SMDR Connection
Default	No
Value Range	1. Yes 2. No
Description/Function	Enables or disables SMDR.
Reference	• 2.8.4 Personal Computer / Printer (I/M)

Parameter	Output Type
Default	Type-A
Value Range	1. Type-A 2. Type-B 3. Type-C 4. Type-D 5. Type-E
Description/Function	Specifies the output type of SMDR printout. For further information, please refer to "Station Message Detail Recording (SMDR)" of Section "1.3 System Features" in the Features Guide. You can also get information on "Output Type" by clicking [Help] button on this screen.
Reference	• 1.3 System Features (F/G) – Station Message Detail Recording (SMDR)

Parameter	Print out Error Information
Default	Disable
Value Range	1. Disable 2. Enable
Description/Function	Specifies whether or not the Error Information will be printed out by SMDR.
Reference	• 5.2.3 Troubleshooting via Error Log Records (I/M)

Parameter	[Format] Page Length
Default	24 lines
Value Range	4-99 lines
Description/Function	Specifies the number of lines per page. Used to match the SMDR output to the paper size being used in the printer.
Reference	None

<i>Parameter</i>	[Format] Skip Perforation
<i>Default</i>	0
<i>Value Range</i>	0-95 lines
<i>Description/Function</i>	Determines the number of lines to be skipped at the end of every page. The number of lines to skip is simply the number specified in this parameter. The number of lines printed is the difference between the Page Length number and the Skip Perforation number.
<i>Reference</i>	None

<i>Parameter</i>	[Duration Log] Outgoing Calls
<i>Default</i>	All
<i>Value Range</i>	1. None 2. All 3. Toll Only
<i>Description/Function</i>	Specifies the type of outgoing calls which will be printed out by SMDR. 1. None : No printout 2. All : All calls 3. Toll Only : Toll calls only
<i>Reference</i>	None

<i>Parameter</i>	[Duration Log] Incoming Calls
<i>Default</i>	On
<i>Value Range</i>	1. On 2. Off
<i>Description/Function</i>	Specifies whether or not incoming calls will be printed out by SMDR. 1. On: All calls 2. Off: No printout
<i>Reference</i>	None

<i>Parameter</i>	Print out Caller ID Information
<i>Default</i>	Number
<i>Value Range</i>	1. Number 2. Number + Name 3. Name 4. Disable
<i>Description/Function</i>	SMDR can print out Caller ID information. This setting specifies whether priority is given to Caller ID Name or to Caller ID Number. However, SMDR can print out both when "Type-D" is specified as Output Type.
<i>Reference</i>	• 1.3 System Features (F/G) – Station Message Detail Recording (SMDR) • 1.5 Attended Features (F/G) – Caller ID Service

<i>Parameter</i>	Print out DDI / DID Information
<i>Default</i>	Disable
<i>Value Range</i>	1. Number 2. Number + Name 3. Name 4. Disable
<i>Description/Function</i>	Activates or deactivates printing out the DDI / DID subscriber number received from the Central Office.
<i>Reference</i>	• 1.5 Attended Features (F/G) – Direct Inward Dialling (DID) • 2.4 ISDN Attended Features (F/G) – Direct Dialling In (DDI)

<i>Parameter</i>	Print out Incoming Call Start "RC" and Incoming Call Answer "AN" information
<i>Default</i>	Disable
<i>Value Range</i>	1. Enable 2. Disable
<i>Description/Function</i>	Enables or disables the SMDR printout for RC (when an incoming call occurs) and AN (when an incoming call is answered).
<i>Reference</i>	• 1.3 System Features (F/G) – Station Message Detail Recording (SMDR)

<i>Parameter</i>	Print out Timed Reminder Information
<i>Default</i>	Disable
<i>Value Range</i>	1. Enable 2. Disable
<i>Description/Function</i>	If this is enabled, SMDR will print out "Timed Reminder / Start" each time the timed reminder alarm starts ringing. In addition, if the ringing is not stopped by going off-hook, the SMDR will print out "Timed Reminder / Answer" or "Timed Reminder / No Answer".
<i>Reference</i>	• 1.3 System Features (F/G) – Station Message Detail Recording (SMDR) • 1.8 Ringing Features (F/G) – Timed Reminder (Wake-Up Call) – Timed Reminder, Remote (Wake-Up Call)

<i>Parameter</i>	Print out Account Code
<i>Default</i>	Enable (Last Entered Code)
<i>Value Range</i>	1. Enable (First Entered Code, Last Entered Code) 2. Disable
<i>Description/Function</i>	Specifies whether or not the Account Code will be printed out by SMDR. If this is enabled, SMDR will print out the first entered account code or the last entered account code when two or more different account codes are entered during a single call.
<i>Reference</i>	• 1.3 System Features (F/G) – Account Code Entry

<i>Parameter</i>	Print out LOGIN / LOGOUT
<i>Default</i>	Disable
<i>Value Range</i>	1. Enable 2. Disable
<i>Description/Function</i>	Specifies whether or not the Login / Logout status of Extension Group / Incoming Group members and Phantom extensions will be printed out by SMDR.
<i>Reference</i>	• 1.3 System Features (F/G) – Station Message Detail Recording (SMDR) • 1.8 Ringing Features (F/G) – Log-In/Log-Out

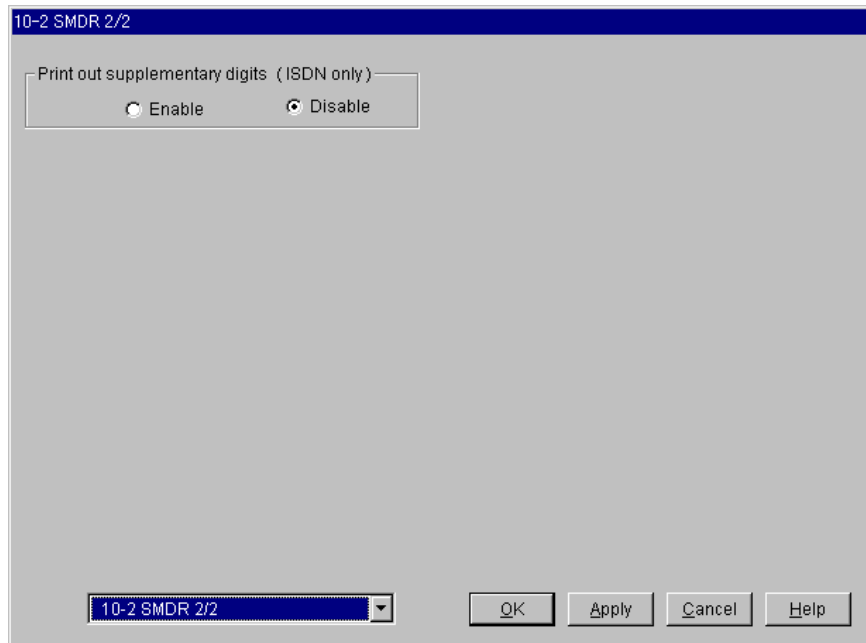
<i>Parameter</i>	Print out Absent Message (6-9)
<i>Default</i>	Disable
<i>Value Range</i>	1. Enable 2. Disable
<i>Description/Function</i>	Specifies whether or not Absent Message (6-9) will be printed out by SMDR. If enabled, any extension user can activate the printout by setting the Absent Message (6-9).
<i>Reference</i>	• 1.3 System Features (F/G) – Hotel Application • 1.17 Display Features (F/G) – Absent Message Capability • 2.5.3 Showing an Absent Message on the Caller's Telephone Display (Absent Message Capability) (U/M) • 3.2.6 Hotel Use Features (Hotel Application) [KX-T7436, KX-T7235 only] (U/M)

<i>Parameter</i>	Print out Check-in / Check-out
<i>Default</i>	Disable
<i>Value Range</i>	1. Enable 2. Disable
<i>Description/Function</i>	Specifies whether or not "Check-in / Check-out" information will be printed out by SMDR.
<i>Reference</i>	• 1.3 System Features (F/G) – Hotel Application • 3.2.6 Hotel Use Features (Hotel Application) [KX-T7436, KX-T7235 only] (U/M)

<i>Parameter</i>	Time Display Mode
<i>Default</i>	12h
<i>Value Range</i>	1. 12h 2. 24h
<i>Description/Function</i>	Specifies the time display mode, 12-hour or 24-hour notation, which will be printed out by SMDR.
<i>Reference</i>	• 1.3 System Features (F/G) – Station Message Detail Recording (SMDR)

10.4.2 SMDR 2/2

Station Message Detail Recording (SMDR) automatically records detailed information for outside calls.



<i>Parameter</i>	Print out supplementary digits (ISDN only)
<i>Default</i>	Disable
<i>Value Range</i>	1. Enable 2. Disable
<i>Description/Function</i>	Includes the SMDR printout of outgoing supplementary digits. This is only available on ISDN calls.
	Note When a call from ISDN is made by using a memory dialling (Redial, One-Touch Dialling, Station / System Speed Dialling, Call Log-Outgoing), the Dialling call information is printed out by SMDR regardless of this setting.
<i>Reference</i>	1.3 System Features (F/G) – Station Message Detail Recording (SMDR)

10.5 Power Failure Transfer

Power Failure Transfer connects specific telephones (any SLT and a certain type of APT) to pre-determined CO lines in the event of system power failure.

<i>Parameter</i>	Trunk Card (1-24)
<i>Default</i>	None
<i>Value Range</i>	None, XXX : YYY [XXX : Card No. (101-314), YYY : Card Type]
<i>Description/Function</i>	Specifies the trunk card number and its type, which will be used in case of Power Failure Transfer.
<i>Reference</i>	• 1.4 Fault Recovery / Diagnostics (F/G) – Power Failure Transfer • 2.9.1 Auxiliary Connection for Power Failure Transfer (I/M) • 1.2 Slot Assignment (P/G)

<i>Parameter</i>	Extension Card (1-24)
<i>Default</i>	None
<i>Value Range</i>	None, XXX : YYY [XXX : Card No. (101-314), YYY : Card Type]
<i>Description/Function</i>	Specifies the extension card number and its type, which will be used in case of Power Failure Transfer.

Notes

- DPTs and some APTs cannot be used during a power failure.
- Auxiliary connections between the Trunk card and Extension card should be made as per System Programming so that conversation is maintained when power is restored or TSW is recovering.

Reference

- 1.4 Fault Recovery / Diagnostics (F/G)
 - Power Failure Transfer
- 2.9.1 Auxiliary Connection for Power Failure Transfer (I/M)
- 1.2 Slot Assignment (P/G)

10.6 System Parameters

Used to assign various system parameters.

The screenshot shows the '10-4 System Parameters' window. It contains the following fields and settings:

- Password [4-7 Digits]:**
 - System Programming: Protection Level 1, 2, 3, 4 (all set to 1234)
 - User Programming - PT (set to 1234)
 - Walking COS (set to 1234)
- Serial Interface Port:**
 - PROG:** Parity (None), NL Code (CR+LF), Word Length (8 bits), Stop Bit (1 bit), Baud Rate (9600 bps)
 - SMDR:** Parity (None), NL Code (CR+LF), Word Length (8 bits), Stop Bit (1 bit), Baud Rate (9600 bps)
- Remote FDN [Max. 4 Digits]:** 1499, with a 'DN Refer' button.
- Remote Connect Information:**
 - Dial Number: (empty field)
 - Comment: (empty field)

At the bottom, there is a dropdown menu showing '10-4 System Parameters' and buttons for 'OK', 'Apply', 'Cancel', and 'Help'.

Passwords for System Programming by PC

Required to perform the System Programming and Maintenance in the interactive mode using the Maintenance Console software from a PC (Personal Computer). There are four passwords for System Programming by PC.

To prevent unauthorised access to the interactive User Programming and Maintenance mode, the KX-TD500 System provides the following four passwords with a different security level respectively.

- **[Password] System Programming - Protection Level 1**
Allows the administrator to access all System Programming and Maintenance features without restrictions.
Passwords are originally programmed at the factory, but can be changed by System Programming (available only when gaining access to the System Programming mode by entering this password).
- **[Password] System Programming - Protection Level 2**
- **[Password] System Programming - Protection Level 3**
- **[Password] System Programming - Protection Level 4**

Warning to the Dealer regarding the System Password

- a) Please thoroughly inform the importance of the password and the dangers involved to the customer.
- b) Please maintain the secrecy of the password.
Because a person who knows the password can easily take over the control of any PBX system in the market and he may proceed to commit toll fraud.

- c) Please change the password periodically.
- d) We strongly recommend that you set the system password to 7 digits for maximum protection against "hackers."
- e) You have to take the following measures to find the system password, when you forget the password.
Therefore, please never forget the password.
 - If you have the backup system data, you can find the password by loading the backup system data to your PC and check the Password with programming screen.
 - If you don't have the backup system data, you have to programme again or contact your Panasonic dealers.

The higher the password level (level 1 is the highest) is, the more programming items the administrator can access as shown in the table below:

Programming	Level 1	Level 2	Level 3	Level 4
1. Configuration	✓	✓		
2. System	✓	✓	✓	
3. Group	✓	✓	✓	
4. Line	✓	✓	✓	
5. Features	✓	✓	✓	✓
6. Toll Restriction	✓	✓	✓	✓
7. ARS	✓	✓		
8. Private Network	✓	✓		
9. DDI / DID	✓	✓	✓	✓
10. Maintenance	✓			

✓ : Allowed to access

Parameter	[Password] System Programming – Protection Level 1
Default	1234
Value Range	4-7 digits of alphanumeric characters
Description/Function	Specifies the password required for entering the System Programming and Maintenance mode from a PC (Personal Computer).
Reference	• 3.5 Operational Mode (I/M) • 4 Utility (I/M)

<i>Parameter</i>	[Password] System Programming – Protection Level 2
<i>Default</i>	1234
<i>Value Range</i>	4-7 digits of alphanumeric characters
<i>Description/Function</i>	Specifies the password required for entering the System Programming and Maintenance mode from a PC.
<i>Reference</i>	• 3.5 Operational Mode (I/M) • 4 Utility (I/M)

<i>Parameter</i>	[Password] System Programming – Protection Level 3
<i>Default</i>	1234
<i>Value Range</i>	4-7 digits of alphanumeric characters
<i>Description/Function</i>	Specifies the password required for entering the System Programming and Maintenance mode from a PC.
<i>Reference</i>	• 3.5 Operational Mode (I/M) • 4 Utility (I/M)

<i>Parameter</i>	[Password] System Programming – Protection Level 4
<i>Default</i>	1234
<i>Value Range</i>	4-7 digits of alphanumeric characters
<i>Description/Function</i>	Specifies the password required for entering the System Programming and Maintenance mode from a PC.
<i>Reference</i>	• 3.5 Operational Mode (I/M) • 4 Utility (I/M)

<i>Parameter</i>	[Password] User Programming – PT
<i>Default</i>	1234
<i>Value Range</i>	4-7 digits consisting of 0-9
<i>Description/Function</i>	Specifies the password required for entering the User Programming mode by PT.
<i>Reference</i>	• 1.2 System Administration (F/G) – User Programming with Proprietary Telephone • 4.3 Customising Your System (User Programming) (U/M)

<i>Parameter</i>	[Password] Walking COS
<i>Default</i>	1234
<i>Value Range</i>	4-7 digits consisting of 0-9
<i>Description/Function</i>	Specifies the password required for using the Walking COS feature.
<i>Reference</i>	• 1.6 Originating Features (F/G) – Walking COS • 2.2.5 Calling without Restrictions (U/M)

[Serial Interface Port] PROG (Port 1)

Please refer to "System Programming and Diagnosis with Personal Computer" of Section "1.2 System Administration" in the Features Guide.

Note

- Generally speaking, you should connect your Programming PC to Port 1 and your SMDR printer to Port 2.

<i>Parameter</i>	[Serial Interface Port] PROG – Parity
<i>Default</i>	(Display only)
<i>Value Range</i>	None
<i>Description/Function</i>	A parity code indicates what type of parity is used to detect an error in the string of bits composing a character. Make an appropriate selection depending on the requirements of your printer or personal computer.
	<u>Note</u> • Port 1 is fixed to "None."
<i>Reference</i>	None

<i>Parameter</i>	[Serial Interface Port] PROG – NL Code
<i>Default</i>	CR + LF
<i>Value Range</i>	1. CR+LF 2. CR
<i>Description/Function</i>	Specifies the NL (New Line) Code for your printer or personal computer. If your printer or personal computer automatically feeds lines with a carriage return, select "CR (Carriage Return)." If not, select "CR+LF (Line Feed)."
<i>Reference</i>	None

<i>Parameter</i>	[Serial Interface Port] PROG – Word Length
<i>Default</i>	(Display only)
<i>Value Range</i>	8 bits
<i>Description/Function</i>	Defines the number of bits in each byte or character.
	<u>Note</u> Port 1 is fixed to 8 bits.
<i>Reference</i>	None

<i>Parameter</i>	[Serial Interface Port] PROG – Stop Bit
<i>Default</i>	(Display only)
<i>Value Range</i>	1 bit
<i>Description/Function</i>	A stop bit code indicates the end of a bit string which composes a character. Select an appropriate value depending on the requirements of your printer or personal computer.
	<u>Note</u> Port 1 is fixed to 1 bit.
<i>Reference</i>	None

<i>Parameter</i>	[Serial Interface Port] PROG – Baud Rate
<i>Default</i>	19200 bps
<i>Value Range</i>	1. 2400 bps 2. 4800 bps 3. 9600 bps 4. 19200 bps
<i>Description/Function</i>	Specifies the data transmission speed from the system to the printer or personal computer.
<i>Reference</i>	None

[Serial Interface Port] SMDR (Port 2)

Please refer to "Station Message Detail Recording (SMDR)" of Section "1.3 System Features" in the Features Guide.

Note

- Generally speaking, you should connect your Programming PC to Port 1 and your SMDR printer to Port 2.

<i>Parameter</i>	[Serial Interface Port] SMDR – Parity
<i>Default</i>	None
<i>Value Range</i>	1. None 2. Mark 3. Space 4. Even 5. Odd
<i>Description/Function</i>	A parity code indicates what type of parity is used to detect an error in the string of bits composing a character. Make an appropriate selection depending on the requirements of your printer or personal computer.
<i>Reference</i>	None

<i>Parameter</i>	[Serial Interface Port] SMDR – NL Code
<i>Default</i>	CR + LF
<i>Value Range</i>	1. CR+LF 2. CR
<i>Description/Function</i>	Specifies the NL (New Line) Code for your printer or personal computer. If your printer or personal computer automatically feeds lines with a carriage return, select "CR (Carriage Return)." If not, select "CR+LF (Line Feed)."
<i>Reference</i>	None

<i>Parameter</i>	[Serial Interface Port] SMDR – Word Length
<i>Default</i>	8 bits
<i>Value Range</i>	1. 7 bits 2. 8 bits
<i>Description/Function</i>	Defines the number of bits in each byte or character.
<i>Reference</i>	None

<i>Parameter</i>	[Serial Interface Port] SMDR – Stop Bit
<i>Default</i>	1 bit
<i>Value Range</i>	1. 1 bit 2. 2 bits
<i>Description/Function</i>	A stop bit code indicates the end of a bit string which composes a character. Select an appropriate value depending on the requirements of your printer or personal computer.
<i>Reference</i>	None

<i>Parameter</i>	[Serial Interface Port] SMDR – Baud Rate
<i>Default</i>	9600 bps
<i>Value Range</i>	1. 2400 bps 2. 4800 bps 3. 9600 bps 4. 19200 bps
<i>Description/Function</i>	Specifies the data transmission speed from the system to the printer or personal computer.
<i>Reference</i>	None

<i>Parameter</i>	Remote FDN
<i>Default</i>	1499
<i>Value Range</i>	Up to 4 digits consisting of 0-9
<i>Description/Function</i>	Specifies the FDN (Floating Directory Number) for Remote Administration.
<i>Reference</i>	• 1.2 System Administration (F/G) – System Programming and Diagnosis with Personal Computer • 3.4.3 Remote Administration (Remote Connection) (I/M)

<i>Parameter</i>	DN Refer
<i>Default</i>	—
<i>Value Range</i>	—
<i>Description/Function</i>	Displays the list of DN's/FDN's which are already assigned to the extensions / system resources.
<i>Reference</i>	None

<i>Parameter</i>	[Remote Connect Information] Dial Number
<i>Default</i>	Blank
<i>Value Range</i>	Up to 40 digits consisting of 0-9, "*", "#", "-" (hyphen), "P" (Pause), "S" (Secret Dialing) or "F" (Flash)
<i>Description/Function</i>	Specifies the dial number of "Remote Connect" screen.
<i>Reference</i>	• 3.4.3 Remote Administration (Remote Connection) (I/M)

<i>Parameter</i>	[Remote Connect Information] Comment
<i>Default</i>	Blank
<i>Value Range</i>	Up to 40 characters consisting of 0-9, A-Z, a-z or the following marks: ! # \$ % & * ' () + , - / : ; < = > ? @ &.
<i>Description/Function</i>	Specifies the comment area such as company name.
<i>Reference</i>	• 3.4.3 Remote Administration (Remote Connection) (I/M)

10.7 System Time

Used to assign System Time.

Please refer to the following:

- 1.8 Ringing Features (F/G)
 - Timed Reminder (Wake-Up Call)
 - Timed Reminder, Remote (Wake-Up Call)
- 1.17 Display Features (F/G)
 - Display, Date and Time
- 4.3.1 Date and Time Set (000) (U/M)

System Time

<i>Parameter</i>	<i>(Year)</i>
<i>Default</i>	00
<i>Value Range</i>	00-99
<i>Description/Function</i>	Specifies the last two digits of the year by entering the value directly.
<i>Reference</i>	None

<i>Parameter</i>	<i>(Month)</i>
<i>Default</i>	Jan
<i>Value Range</i>	Jan-Dec
<i>Description/Function</i>	Selects the month by clicking the small triangle.
<i>Reference</i>	None

<i>Parameter</i>	(Day)
<i>Default</i>	01
<i>Value Range</i>	01-31
<i>Description/Function</i>	Specifies the date in two digits by entering the value directly.
<i>Reference</i>	None

<i>Parameter</i>	(Day of the week)
<i>Default</i>	Sat
<i>Value Range</i>	Sun-Sat
<i>Description/Function</i>	Selects the day of the week by clicking the small triangle.
<i>Reference</i>	None

<i>Parameter</i>	(Hour)
<i>Default</i>	12
<i>Value Range</i>	(0)1-12
<i>Description/Function</i>	Specifies the hour in two digits by entering the value directly.
<i>Reference</i>	None

<i>Parameter</i>	(Minute)
<i>Default</i>	00
<i>Value Range</i>	00-59
<i>Description/Function</i>	Specifies the minute in two digits by entering the value directly.
<i>Reference</i>	None

<i>Parameter</i>	(AM / PM)
<i>Default</i>	AM
<i>Value Range</i>	AM / PM
<i>Description/Function</i>	Selects AM / PM by clicking the small triangle.
<i>Reference</i>	None

Summer Time / Daylight-saving Time Setting

Note

At 2:00 a.m. on summer time, the system clock will be one hour fast. If "Timed Reminder" or "Day/Night Switching Mode" feature is set between 2:00 a.m. and 3:00 a.m., it may not work properly.

<i>Parameter</i>	<i>Setting</i>
<i>Default</i>	Disable
<i>Value Range</i>	1. Disable 2. Enable
<i>Description/Function</i>	Enables or disables the automatic adjustment of the clock twice a year on summer time.
<i>Reference</i>	None

<i>Parameter</i>	<i>Start (Month)</i>
<i>Default</i>	Blank
<i>Value Range</i>	Jan-Dec
<i>Description/Function</i>	Selects the month by clicking the small triangle.
<i>Reference</i>	None

<i>Parameter</i>	<i>End (Month)</i>
<i>Default</i>	Blank
<i>Value Range</i>	Jan-Dec
<i>Description/Function</i>	Selects the month by clicking the small triangle.
<i>Reference</i>	None

<i>Parameter</i>	<i>Start (Day)</i>
<i>Default</i>	Blank
<i>Value Range</i>	01-31
<i>Description/Function</i>	Specifies the date in two digits by entering the value directly.
<i>Reference</i>	None

<i>Parameter</i>	End (Day)
<i>Default</i>	Blank
<i>Value Range</i>	01-31
<i>Description/Function</i>	Specifies the date in two digits by entering the value directly.
<i>Reference</i>	None

<i>Parameter</i>	Start (Year)
<i>Default</i>	Blank
<i>Value Range</i>	00-99
<i>Description/Function</i>	Specifies the last two digits of the year by entering the value directly.
<i>Reference</i>	None

<i>Parameter</i>	End (Year)
<i>Default</i>	Blank
<i>Value Range</i>	00-99
<i>Description/Function</i>	Specifies the last two digits of the year by entering the value directly.
<i>Reference</i>	None

Section 11

Programming Error Messages

11.1 Error Messages (EXXXX)

Error Code	Error Message
	Description
E0000	System error. (Error code : XXX) A system error occurred. Please inform your distributor how the error was generated and what the error code was.
E0001	Cannot create temporary file. There is insufficient free space on your hard disc or this software is not installed correctly.
E0002	Illegal password. The password entered while making the connection didn't correspond to the one that had already been registered.
E0003	System error. (ID : XX) An error code was returned by the Windows System Library of the Microsoft® Windows operating system. The error code was "XX." Please inform your distributor how the error was generated and what the error code was.
E0004	The file 'XX' doesn't exist. Tried to open the data file 'XX' that doesn't exist.
E0005	Illegal programming version. Tried to open the data file that was made in the newer software version of PC programming than one being used at present.
E0006	Communication error. A communication error occurred between your PC and the PBX. Or the port parameters of your PC do not match the port parameters of the PBX.
E0007	Communication error of the modem. (XX) "XX" stands for the result code that was received from the modem.
E0008	Cannot open COM port. The COM port of your PC is being used by some other application. Or the device cannot be used for some reason.
E0009	COM port access failed. (ID:XX) "XX" stands for the error code of the Microsoft Windows operating system.
E0010	Communication time-out. Cannot detect a response from PBX when connecting PC to PBX directly using an RS-232C Cable.
E0011	No response from the modem. Cannot detect a response from the modem because a modem is not connected to PC or the communication port (COM) parameter of PC is not correct.

Error Code	Error Message
	Description
E0012	Another maintenance device is connected. There are three ways to access the PBX: (1) By PC System Programming, (2) by Remote System Programming, or (3) by User Programming. But only one at a time.
E0013	Please reconnect after the PBX becomes on-line or off-line completely. Tried to connect the PC before the PBX became on-line or off-line completely. Please try after the off-line indicator (on the top shelf) goes off (on-line) or turns on and off (off-line).
E0014	Please enter profile name. Attempted to save remote connection parameters without profile name.
E0015	Failed: Saving of remote connection parameters. Remote connection parameters are saved as a file ("TD500.INI") in the Microsoft Windows operating system directory. The TD500 maintenance programme creates this file automatically if the file does not exist. However, if the file exists and it is damaged, you will get this error message. You must either repair the damage (using a text editor) or rename it as a different file.
E0016	Failed: Deletion of remote connection parameters. Deletion of remote connection parameters failed because file "TD500.INI" is damaged. Please refer to the description of E0015.
E0017	Failed: Reading of remote connection parameters. Reading of remote connection parameters failed because file "TD500.INI" is damaged. Please refer to the description of E0015.
E0018	There is not enough space on your hard disk (or floppy) to save the system data. Download is incomplete because there is not enough space on your hard disc (or floppy) to save the system data.
E1001	You have exceeded the shelf limit of PT ports. There is a limit of 128 PT ports per shelf when using PLC, HLC, DLC or DHLC cards. Please de-assign one card and try again.
E1002	You have exceeded the system limit of trunk ports. There is a limit of 192 trunk ports per system when using LCOT, GCOT, T1, PCOT, RCOT, DID, DID-2W, DID-MFC, ELCOT, E1, E&M, BRI, PRI23 or PRI30 cards. Please de-assign one card and try again.
E1003	You have exceeded the system limit of extension ports. There is a limit of 448 extension ports per system when using DLC, PLC, HLC, SLC, SLC-M, OPX, DLC, DHLC, or ESLC cards. Please de-assign one card and try again.
E1004	You have exceeded the system limit of trunk + extension ports. There is a limit of 512 trunk + extension ports per system, using trunk and extension cards. Please de-assign one card and try again.
E1005	You have exceeded the system limit of DISA cards. There is a limit of 8 DISA cards per system.

Error Code	Error Message
	Description
E1006	You have exceeded the system limit of AGC cards. There is a limit of 8 AGC cards per system.
E1007	You have exceeded the system limit of remote cards. One RMT card or one ERMT card can be installed in the system -- only one.
E1008	You have exceeded the system limit of DPH cards. There is a limit of two DPH/DPHG cards per system.
E1009	The slot next to a T1 card must be empty. Please remove and re-assign the card that is installed next to a T1 card. A T1 card must go into slot no.1, 5 or 9.
E1010	You must change card type to None, before changing to new card type. This process is required to make sure that all data for previous card is deleted.
E1011	The card of clock configuration priority duplicated. Each card must have a unique priority.
E1012	The status of the card is not INS (In-Service). To use this port, you must put the card INS (In-Service). When the card is INS (In-Service) status, all the ports of the card become in service.
E1013	Cannot change the attribute of the port which is the paired extension of a DSS console. The attribute of this port cannot be changed until it is de-assigned as the paired extension of a DSS console. Please change the attribute after de-assignment.
E1014	You have exceeded the system limit of DSS consoles. There is a limit of 64 consoles per system.
E1015	Incomplete directory number. The DN and FDN must be 3 or 4 digits.
E1016	Invalid directory number. The entered DN doesn't match the numbering plan in "2-2 Numbering Plan" screen.
E1017	Directory number already exists. The entered DN or FDN already exists.
E1018	Directory number doesn't exist. The entered DN doesn't exist.
E1019	Invalid directory number for paired extension of DSS console. Only the DN of PT can be assigned as the DN for the paired extension of a DSS console.
E1020	You have exceeded the limit of DSS consoles per PT. There is a limit of 8 DSS consoles per PT.
E1022	Assign the directory number before making the port INS (In-Service) status. An extension without a DN cannot be placed into service.

Error Code	Error Message
	Description
E1023	Assign the directory numbers for EXT#1 and EXT#2. For the VPS port you must assign directory numbers for both voice mail numbers, EXT#1 and EXT#2. These cannot be assigned individually.
E1024	Cannot assign the port which does not have VPS (DPT) attribute. To be used as a VPS port, this port must have the VPS (DPT) attribute in "1-3 Extension Port Assignment" screen.
E1025	Specify the extension group number. The extension group number of VPS port should be always assigned.
E1026	Port number duplicated. Please assign the port number of TVP uniquely.
E1027	T1 card should be assigned to the slot no. 1, 5 or 9. T1 card should be assigned to the slot no. 1, 5 or 9 of basic shelf, expansion shelf 1 and expansion shelf 2.
E1028	Card type should be changed only in OUS (Out-of-Service) status. Please make the card OUS (Out-of-service) status before deleting the card.
E1029	While copying properties, more than 16 cards cannot be selected. Please break the task into two sets.
E1030	Cannot change the Port Attribute when currently assigned as VPS port under "1-4 VPS (DPT) Port Assignment." When the port which is assigned to VPS (DPT) port is changed to extension port, please change the port after deleting the assignment in "1-4 VPS (DPT) Port Assignment" screen.
E1031	Assign the channel type before making the port INS (In-Service) status. The port of T1 or E1 card cannot be made INS (In-Service) status when the channel type of the port is not assigned.
E1032	Cannot change the status of the VPS port which is in auto configuration mode. Please change the status of the VPS port after auto configuration.
E1033	Proper card for this feature is not installed in the system. In order to use this feature, proper card must be installed in the system. And card must be assigned under Slot Assignment.
E1034	Both extensions (B1 and B2) of 1st jack connected to VPS must be always assigned. Both extensions (B1 and B2) of 1st jack are used for communication between PBX and VPS.
E1035	Cannot remove VPS port while the status is INS (In-Service). Please make VPS port OUS (Out-of-Service) status before deleting the port.
E1036	Assign a port number before changing the port status. The VPS port that does not have a port number cannot have its status changed.

Error Code	Error Message
	Description
E1037	Cannot change the status of the port. Cannot change the status of the SLT port because the PT port is activated as a "Parallel Mode" extension. Please change the PT port status to "XDP Mode" and then press "Apply."
E1038	You have exceeded the shelf limit of extension ports. There is a limit of 192 extension ports per shelf when using PLC, HLC, SLC, SLC-M, OPX, DLC, DHLC or ESLC cards. Please de-assign one card and try again.
E1039	You have exceeded the shelf limit of SLT ports. There is a limit of 160 SLT ports per shelf when using HLC, SLC, SLC-M, DHLC or ESLC cards. Please de-assign one card and try again.
E1050	The slot next to PRI card must be empty. Please remove and re-assign the card that is installed next to a PRI23 / PRI30 card. A PRI23 / PRI30 card must go into slot no. 1, 3, 5, 7, 9, 11 or 13.
E1051	E1 card should be assigned to the slot no. 1, 5 or 9. E1 card should be assigned to the slot no. 1, 5 or 9 of basic shelf, expansion shelf 1 and expansion shelf 2.
E1052	The slot next to an E1 card must be empty. Please remove and re-assign the card that is installed next to an E1 card. An E1 card must go into slot no. 1, 5, or 9.
E1053	PRI card must be assigned to an odd numbered slot. PRI card should be assigned to the odd numbered slot of basic shelf, expansion shelf 1 and expansion shelf 2.
E1054	The status of the card must be "OUS (Out-of-Service)." When you change the card properties of PRI23, PRI30 or BRI card, the status must be OUS (Out-of-Service)."
E1055	Number of PC Console limit (8 consoles) per system exceeded. There is a limit of 8 PC consoles per system.
E1056	Value of Max. must be larger than value of Min. Detection time value of "[Tone-ON Time/Tone-OFF Time] Max." must be larger than that of "[Tone-ON Time/Tone-OFF Time] Min."
E1057	One card cannot support both VPS (DPT) and PC Console connections; choose one. If a PC Console is already assigned to an extension port on a DLC or DHLC card, a VPS (DPT) cannot be assigned to the other extension ports on the same card and vice versa. Please assign a PC Console and a VPS(DPT) to a different DLC or DHLC card each other.
E1058	Assign ISDN Ext. under "1-8 BRI Port Assignment." Please set "Type" in "1-8 BRI Port Assignment" screen to "EXT" before programming "4-6 ISDN Extension Line" parameters.

Error Code	Error Message
	Description
E1059	VPS card duplicated. Each physical number of the VPS Card (Jack 1-8) and VPS Card (Jack 9-12) must be assigned uniquely.
E1060	You have exceeded the limit of VPS(DPT) port per DLC card. There is a limit of 8 VPS(DPT) ports per DLC card.
E1061	You have exceeded the shelf limit of VPS(DPT) port. There is a limit of 16 VPS(DPT) ports per shelf.
E2001	Invalid time format. Please specify the time as Hour:[0]1-12, Minute:[0]0-59.
E2002	Assign the time of beginning and ending in a pair. Cannot assign just the start time or just the end time of Lunch/Break service. Both must be assigned as a pair.
E2005	Maximum entry number of System Speed Dialing exceeded. The system provides up to 1000 / tenant, 2000 / system of System Speed Dialling entries available to all extension users.
E2006	Cannot change System Speed Dialing Entries Maximum. Please delete System Speed Dialling entries until there is less than the setting you want. Then set System Speed Dialling Entries Maximum once again.
E2007	Invalid directory number for manager extension. Only DN of an extension can be assigned as a manager extension. (FDN cannot be assigned.)
E2008	Feature number is too long. Feature numbers "Hundred Block Extension" or "Other PBX" can be set as the leading 1 or 2 digits of the extension number.
E2009	Cannot delete the Hundred Block Extension, which is currently in use as DN or FDN. Cannot delete the hundred block number. It's already used as DN or FDN. Please delete the hundred block number after you remove the registrations of DN or FDN.
E2010	Feature number duplicated. Feature numbers can be from 1 to 4 digits and shouldn't be any conflicts. The following are examples of feature number conflicts. Examples: N and NX, NXX / NM and NML (NL is allowed.)
E2011	Out of range. Overflow Timer should be assigned in the range of Second: 5-180. "None" shows that Overflow Timer doesn't work.
E2012	Trunk group number duplicated. Each trunk group in the Local Hunt Sequence must have a unique number.

Error Code	Error Message
	Description
E2013	Invalid directory number for Operator FDN. Only FDN of an extension group and incoming group can be assigned as an Operator FDN.
E3001	Invalid directory number for intercept destination. There are six possible destinations for intercepted calls: (1) An extension, (2) an external pager (TAFAS), (3) an OGM group, (4) an extension group, (5) an incoming group, or (6) a phantom extension.
E3002	Invalid directory number for overflow destination. Only DN of an extension or FDN of an extension group, an incoming group, a phantom extension or an external pager (TAFAS) can be assigned as an overflow destination. However, the type of DN / FDN assignable depends on "Group Type."
E3003	Invalid directory number for UCD supervisor extension. Only DN of an extension can be assigned as UCD supervisor extension.
E3004	Extension group number duplicated. Each extension group in the same paging group must have a unique number.
E3005	The extension group already belongs to another paging group. An extension group cannot belong to two or more paging groups.
E3006	Invalid directory number for Incoming group destination. Only DN of an extension or FDN of an extension group can be assigned as an Incoming group destination.
E3008	Invalid directory number for DISA built-in Automated Attendant Tables. Both DN of extensions and FDN of extension groups, incoming groups, phantom extensions, or TAFAS can be assigned as DISA built-in Automated Attendant Tables.
E3009	Incoming group destination duplicated. The directory number (of the extension or extension group) must be unique as a destination.
E3010	Invalid Mailbox Number. Only DN of an extension or FDN of an extension group can be assigned as a Mailbox Number.
E4003	Invalid LCS playback password. The LCS playback password must be 3 digits (0–9).
E4004	Invalid Call Log lock password. The Call Log lock password must be 3 digits (0–9).
E4005	Invalid Station Lock password. The Station Lock password must be 3 digits (0–9).
E4006	Specify trunk line no. Trunk line no. must be specified when Single-CO key is assigned.

Error Code	Error Message
	Description
E4007	Single - CO key duplicated. Please assign the Single - CO key that has the different CO physical number on one PT.
E4008	Invalid directory number for DSS (DN) or VTR key. Only DN of an extension can be assigned as DSS (DN) or VTR key.
E4009	DSS (DN) key duplicated. Two DSS keys cannot have the same extension number.
E4010	Invalid directory number for PHANTOM key. Only FDN of phantom extension can be assigned to phantom key number.
E4011	Cannot assign PDN key without assigning PDN key on CO-01. The first PDN key should be assigned on CO-01.
E4012	Cannot change PDN key on CO-01 while other PDN or SDN keys exist. Please change PDN key on CO-01 to another key type after deleting all PDN and SDN assignments.
E4013	Cannot assign SDN key without assigning PDN key. An SDN button should have its associated PDN button.
E4014	Cannot assign more than 8 SDN keys for one PDN key. Up to eight SDN keys per PDN key can be assigned on eight different PTs respectively.
E4015	Invalid directory number for SDN key. Only DN of an extension can be assigned to SDN key number.
E4016	SDN key duplicated. Two SDN keys cannot have the same extension number.
E4017	Cannot assign SDN key to its own directory number. Please assign SDN to a directory number other than its own.
E4018	Dial registration resource exhausted. Cannot register any more because the system resource that stores extension mailbox numbers (voice mail access codes) and One-Touch Dialling numbers has been exhausted.
E4020	Invalid directory number for doorphone call destination. Only DN of an extension can be assigned as a doorphone call destination.
E4021	Secret dial 'S' must be placed at the beginning and end of desired secret numbers. Cannot assign Secret Dialling "S" that is registered in One-Touch dialling without being even number.
E4022	Cannot assign PDN key as Prime Line - CO. Please assign key number except for PDN key when the outgoing or incoming preferred line is set to "Prime Line - CO."
E4023	Illegal trunk group number. Please assign the trunk group number (1–48) on Group - CO key.

Error Code	Error Message
	Description
E4024	DN or FDN must be entered to assign the type of key. You must enter the DN or FDN when you assign key type "DSS," "Phantom," "SDN," "VTR," "2WAY-REC" and "2WAY-TRN." Each key needs following directory number as DN or FDN: - DSS Extension directory number which is in existence. - Phantom Floating directory number which is registered in "5-2 Phantom Extension" screen. - SDN Primary directory number (PDN) of the DN mode extension. - VTR, 2WAY-REC / TRN Extension directory number which is assigned as VPS.
E4025	PHANTOM key duplicated. Two phantom keys cannot have the same phantom FDN.
E4026	Please enter CO key number assigned to S-CO, G-CO, L-CO or SDN key. The CO key number which is assigned to Single-CO, Group-CO, Loop-CO or SDN key should be entered when "Prime Line - CO" is specified in "[Preferred Line] Outgoing / Incoming" programming.
E4027	Doorphone destination duplicated. Doorphone destinations (extensions) must be unique for Day mode settings and Night mode settings. However, an extension used for Day can be used for Night.
E4028	Converted digits exceed the limit. Total number of converted digits should be less than 16 digits. Please change 'Digits to delete,' and/or 'Number to be added.'
E4029	Invalid directory number for G-LOGIN / LOGOUT key. Only FDN of an Incoming Group can be assigned as the number of G-LOGIN / LOGOUT key.
E4030	Invalid directory number for G-FWD key. Only FDN of an Incoming Group can be assigned as the number of G-FWD key.
E5001	Assign both 'name' and 'number' for Caller ID. Cannot assign just the name for Caller ID.
E5002	Cannot use more than seven % characters. There can be a maximum of seven % characters in an absent message.
E5003	User code format error. Please assign the DISA / TIE user code of 4–10 digits consisting of 0–9.
E5004	User code duplicated. Each code in the DISA / TIE User Code must have a unique number.
E5005	Cannot set 'RET' command at the head. Please set the command except for "RET" at the head of UCD Time Table.

Error Code	Error Message
	Description
E5006	Cannot assign more than 1000 account codes. There is a limit of 1000 account codes per system.
E5007	You have exceeded the tenant limit of Speed Dialing numbers. The maximum number of Speeding Dialling numbers per tenant is specified in "2-1 Tenant" screen.
E5008	You have exceeded the limit of Caller ID codes. There is a limit of 1000 Caller ID codes per tenant and 2000 Caller ID codes per system.
E5009	Invalid User code. If the entire code, for ex. (1234), is included in another code, for ex. (12345), it is not valid.
E5010	Specify the code. The account code also must be entered when the TRS Level is assigned and the TRS Level also must be deleted when the account code is deleted.
E5011	Specify the leading digits. The ARS leading dial also must be entered when the Route Plan Table No. is assigned and the Route Plan Table No. also must be deleted when the leading dial is deleted.
E5020	Charge Verification ID Code format error. Please assign the Charge Verification ID code of 4 digits consisting of 0-9.
E5021	Don't keep Rate to be Blank. The value of "Rate" must be always assigned.
E5022	File format error. (Line: X) Format (syntax) error was found at the indicated line (X) in the database file.
E6001	Too long TRS Deny or Exception dial. TRS Deny or Exception dial can be registered up to 10 digits consisting of 0–9, *, # or X (a wild card).
E6002	Cannot assign more than 400 TRS deny codes. There is a limit of 400 toll restriction deny codes per system.
E6003	Cannot assign more than 200 TRS exception codes. There is a limit of 200 toll restriction exception codes per system.
E7001	Invalid arrangement of time zones. Each successive ARS time zone must be later in time. Namely, this pattern must be followed: Time-A < Time-B < Time-C < Time-D.
E7002	Assign both trunk group number and modification table number. Cannot assign just trunk group number or just modification table number. Both must be assigned as a pair under ARS routing plan.

Error Code	Error Message
	Description
E9001	Invalid directory number for DDI / DID destination. There are seven possible destinations for DDI / DID calls: (1) An extension, (2) an external pager (TAFAS), (3) an OGM group, (4) a remote extension, (5) an extension group, (6) an incoming group, or (7) a phantom extension.
E9002	Page length must be 4 lines more than Skip Perforation. The difference of Page Length and Skip Perforation must be more than 4 lines.
E9003	Trunk or extension card duplicated. Under Power Failure Transfer, a trunk card or an extension card can be specified only once.
E9004	Assign both trunk card and extension card. Cannot assign just trunk card or just extension card. Both must be assigned as a pair under Power Failure Transfer.
E9005	Time or date format error. The invalid value of time or date is entered.
E9006	Invalid System Programming password. Please assign the 4 through 7-digit System Programming password of alphanumeric characters.
E9007	Invalid User Programming password. Please assign the 4 through 7-digit User Programming password consisting of 0–9.
E9008	Invalid Walking COS password. Please assign the 4 through 7-digit Walking COS password consisting of 0–9.
E9009	DDI / DID / MSN number duplicated. Each DDI / DID / MSN number in "9-1 Number Transformation" screen must have a unique number.
E9010	Number of DDI dial must be equal to or less than 16 digits. The total digits of "Base Number" and "Number of Digits" are over 16.
E9011	Beginning Entry No. must be equal to or less than 991. Cannot specify the number "992-999" as the "Beginning Entry No." because "Number of Registrations" is set by 10 entries increments, and the number of available entries are limited to 1000.

11.2 Warning Messages (WXXXX)

Code	Message
	Description
W0001	Save system data? Some parameters on the screen were changed. A click on "OK" or a screen switch was attempted without saving data.
W0002	The status of the port is In-Service (INS). Would you like to continue? When the status of a port is In-Service (INS), and you change some parameters (screens of "1 Configuration"), the port is reset. A call in progress will be dropped.
W0003	Save system data before Copy? Modified parameters without saving are not effective for Copy feature.
W0005	Save data file? Tried to close, exit or open another file without saving data in the Batch mode (although parameters were changed).
W0006	Mismatch between PC software version and PBX software version. Proceed to load matching PC software? PC software (Maintenance Console software) is not compatible with the current KX-TD500 software. Load the appropriate PC software into your PC. (Then connect your PC to the KX-TD500 again.)
W1001	Change the card (XXX:YYY) status? Please confirm whether or not to execute OUS (Out-of-Service) / INS (In-Service) command to the card "XXX:YYY" (XXX: Slot No., YYY: Card Type). The OUS (Out-of-Service) / INS (In-Service) command to the card is effective to the whole ports of the card.
W1002	Change the status of port (XXXXX)? Please confirm whether or not to execute OUS (Out-of-Service) / INS (In-Service) command to the port "XXXXX" (XXXXX: port physical number).
W1003	Make sure the card is "OUS," before changing the "Card Properties." If the card is already "OUS" to change the properties or to just view "Card Properties," click "OK." To change the card to "OUS," click "Cancel."
W1004	DTMF Caller ID code must not exceed 16 characters. Truncate it? Truncate means that the leading 16 characters are saved and the rest are deleted.
W2001	Would you like to upload a language data? Specifies whether or not you upload the language data after uploading the system data in off-line mode. If you click "OK", the "Language Data Selection" dialogue box is displayed and then uploading of the "Language Data" file can be executed.
W3001	PBX code must not exceed 4 digits. Truncate it? Truncate means that the leading 4 digits are saved and the rest are deleted.

Code	Message
	Description
W3002	Please verify that previously erased FDN is not programmed in other screens. The erased FDN may be used in other screens.
W4001	Trunk name must not exceed 10 characters. Truncate it? Truncate means that the leading 10 characters are saved and the rest are deleted.
W4002	Extension name must not exceed 10 characters. Truncate it? Truncate means that the leading 10 characters are saved and the rest are deleted.
W4003	One-Touch dial number must not exceed 24 digits. Truncate it? Truncate means that the leading 24 digits are saved and the rest are deleted.
W4004	CLIP / COLP number must be less than 16 digits. Truncate it? Truncate means that the leading 16 digits are saved and the rest are deleted.
W4005	One-Touch dial name must not exceed 10 characters. Truncate it? Truncate means that the leading 10 characters are saved and the rest are deleted.
W4006	DDI / DID / TIE additional dial must not exceed 8 digits. Truncate it? Truncate means that the leading 8 digits are saved and the rest are deleted.
W4007	Mailbox number must not exceed 16 digits. Truncate it? Truncate means that the leading 16 digits are saved and the rest are deleted. A digit can be 0 through 9, *, #, or P (pause).
W4008	Subscriber number must not exceed 16 digits. Truncate it? Truncate means that the leading 16 digits are saved and the rest are deleted.
W5001	System Speed Dialing name must not exceed 10 characters. Truncate it? Truncate means that the leading 10 characters are saved and the rest are deleted.
W5002	System Speed Dialing number must not exceed 24 digits. Truncate it? Truncate means that the leading 24 digits are saved and the rest are deleted.
W5003	Emergency dial number must not exceed 24 digits. Truncate it? Truncate means that the leading 24 digits are saved and the rest are deleted.
W5004	Quick Dial number must not exceed 24 digits. Truncate it? Truncate means that the leading 24 digits are saved and the rest are deleted.
W5005	Account Code must not exceed 10 digits. Truncate it? Truncate means that the leading 10 digits are saved and the rest are deleted.
W5006	Special Carrier Code must not exceed 10 digits. Truncate it? Truncate means that the leading 10 digits are saved and the rest are deleted.
W5007	Waiting Second dial must not exceed 4 digits. Truncate it? Truncate means that the leading 4 digits are saved and the rest are deleted.
W5008	Absent message must not exceed 16 characters. Truncate it? Truncate means that the leading 16 characters are saved and the rest are deleted.
W5009	VPS integration code must not exceed 3 digits. Truncate it? Truncate means that the leading 3 digits are saved and the rest are deleted.

Code	Message
	Description
W5010	Voice Mail command must not exceed 16 digits. Truncate it? Truncate means that the leading 16 digits are saved and the rest are deleted.
W5011	Local Area Code must not exceed 6 digits. Truncate it? Truncate means that the leading 6 digits are saved and the rest are deleted.
W5012	Additional dial must not exceed 4 digits. Truncate it? Truncate means that the leading 4 digits are saved and the rest are deleted.
W5013	Caller ID name must not exceed 16 characters. Truncate it? Truncate means that the leading 16 characters are saved and the rest are deleted.
W5014	Caller ID number must not exceed 24 digits. Truncate it? Truncate means that the leading 24 digits are saved and the rest are deleted.
W5020	Rate must not exceed 8 digits. Truncate it? Truncate means that the leading 8 digits are saved and the rest are deleted.
W5021	Currency must not exceed 2 characters. Truncate it? Truncate means that the leading 2 characters are saved and the rest are deleted.
W5022	Existing entries will be lost. Do you wish to continue? Import operation erases all Caller ID names and numbers stored in "5-12 Caller ID Registration" screen.
W5023	Title must not exceed 10 characters. Truncate it? Truncate means that the leading 10 characters are saved and the rest are deleted.
W7001	ARS Leading dial must not exceed 10 digits. Truncate it? Truncate means that the leading 10 digits are saved and the rest are deleted.
W7002	ARS additional dial must not exceed 20 digits. Truncate it? Truncate means that the leading 20 digits are saved and the rest are deleted.
W8001	PBX code must not exceed 3 digits. Truncate it? Truncate means that the leading 3 digits are saved and the rest are deleted.
W8002	TIE Leading dial must not exceed 3 digits. Truncate it? Truncate means that the leading 3 digits are saved and the rest are deleted.
W8003	TIE additional dial must not exceed 20 digits. Truncate it? Truncate means that the leading 20 digits are saved and the rest are deleted.
W9001	DDI / DID dial must not exceed 16 digits. Truncate it? Truncate means that the leading 16 digits are saved and the rest are deleted.
W9002	DDI / DID name must not exceed 10 characters. Truncate it? Truncate means that the leading 10 characters are saved and the rest are deleted.
W9003	Modem command must not exceed 80 characters. Truncate it? Truncate means that the leading 80 characters are saved and the rest are deleted.
W9004	Modem messages must not exceed 80 characters. Truncate it? Truncate means that the leading 80 characters are saved and the rest are deleted.

Code	Message
	Description
W9005	Base dial number must not exceed 15 digits. Truncate it? Truncate means that the leading 15 digits are saved and the rest are deleted.
W9006	Remote Information must not exceed 40 digits. Truncate it? Truncate means that the leading 40 digits are saved and the rest are deleted.

11.3 Information Message (IXXXX)

Code	Message
	Description
I0001	Upload completed. Please change PBX to on-line mode. Uploading the system programming data from PC to PBX is completed. How to change PBX to on-line mode: 1. Set CPU Mode Rotary-Switch position to 0. 2. Then, press Reset button.
I1000	Please set up VPS port in '1-4 VPS (DPT) Port Assignment' screen. The attribute(s) of extension(s) have been set up as VPS (DPT). Please set up the port(s) in '1-4 VPS (DPT) Port Assignment' screen.

Section 12

Default Values

1 Configuration

1.1 Configuration

1.2 Slot Assignment

Programme	Default
Card Type	Blank
Card Type	—

1.3 Trunk Port Assignment

Programme	Default
Card No.	—
Group No.	DID/DID-2W/DID-MFC card: 47, E&M card: 48, Others : 1
Status	—

1.4 Extension Port Assignment

Programme	Default
Card No.	—
Attribute	TEL
Tel. Type	(Display only)
DN	1001 –
Group No.	1
Parallel / XDP (DHLC card)	Parallel
Parallel / XDP (HLC card)	None
Status	—
DN Refer	—

1.5 VPS (DPT) Port Assignment

Programme	Default
TVP No.	1
VPS Card	None

Programme	Default
Type	None
Jack No.	(Display only)
Port No.	Blank
[Ext No.1] DN	Blank
[Ext No.1] Group No.	Blank
[Ext No.2] DN	Blank
[Ext No.2] Group No.	Blank
Status	—
DN Refer	—

1.6 T1 Port Assignment

Programme	Default
Card No.	—
Channel Type	Undefined
DN	Blank
Group No.	Blank
Status	—
DN Refer	—

1.7 E1 Port Assignment

Programme	Default
Card No.	—
Channel Type	Undefined
Group No.	Blank
Receiver Type	Undefined
Status	—

1.8 DISA Port Assignment

Programme	Default
[Card No. 1-8] Location	(Display only)

Programme	Default
[Card No. 1-8] OGM Group No.	1

1.9 BRI Port Assignment

Programme	Default
Card No.	—
Type	CO
DN	Blank
Group No.	1
Status	—
DN Refer	—

1.10 PRI Port Assignment

Programme	Default
Card No.	—
Type	CO
DN	Blank
Group No.	1
Status	—

2 System

2.1 System

2.2 Tenant

Programme	Default
Tenant No.	1
Operator FDN	Blank
Alert Extension - Day / Night	Blank
DAY / NIGHT Switching Mode	Manual
Inter-tenant Calling (1 - 8)	No check
(Auto Start Time)	

Programme	Default
Day (SUN-SAT)	9:00 AM
Night (SUN-SAT)	5:00 PM
Lunch - Start (SUN-SAT)	12:00 PM
Lunch - End (SUN-SAT)	1:00 PM
Break - Start (SUN-SAT)	3:00 PM
Break - End (SUN-SAT)	3:30 PM
Music on Hold Source	MUS1
BGM Source	MUS1
Manager Extension DN	Blank
System Speed Dialing Entries Max.	Tenant No. 1:1000, Tenant No. 2:1000, Tenant Nos. 3-8:0
Automatic Route Selection	No check
External Paging Tone	Check
System Speed Dial TRS Level Override	No check
Confirmation Tone for Station or External Paging	Check

2.3 Numbering Plan

Programme	Default
1 1st Hundred Block Extension	10
2 2nd Hundred Block Extension	11
3 3rd Hundred Block Extension	12
4 4th Hundred Block Extension	13
5 5th Hundred Block Extension	14
6 6th Hundred Block Extension	20
7 7th Hundred Block Extension	21
8 8th Hundred Block Extension	22
9 9th Hundred Block Extension	23
10 10th Hundred Block Extension	24
11-16 11th Hundred Block Extension - 16th Hundred Block Extension	Blank
17 Operator Call	9: [SA], 0: Others
18 Local CO Line Access / ARS	0: [SA], 9: Others

Programme	Default
19 Trunk Group Access	8
20 Speed Dialing - System	*
21 Speed Dialing - Station	3*
22 Speed Dialing - Station Programming	30
23 Doorphone Call	31
24 External Paging	32
25 External Paging Answer / TAFAS Answer	42
26 Station Paging	33
27 Station Paging Answer	43
28 CO Call Pickup	4*
29 Group Call Pickup	40
30 Directed Call Pickup	41
31 Hold	50
32 Hold Retrieve - Station	51
33 Hold Retrieve - Trunk	53
34 Redial	#
35 Call Park / Call Park Retrieve	52
36 Account Code	49
37 Door Open	55
38 External Feature Access	6
39 Station Program Clear	790
40 Message Waiting Set / Cancel / Call Back	70
41 OGM Playback / Record	36
42 Call FWD - Do Not Disturb Set / Cancel	710
43 Dial Call Pickup Deny Set / Cancel	720
44 Data Line Security Set / Cancel	730
45 Call Waiting Set / Cancel	731
46 Executive Busy Override Deny Set / Cancel	733
47 Pickup Dialing Program / Set / Cancel	74
48 Absent Message Set / Cancel	750
49 Timed Reminder Confirm / Set / Cancel	761

Programme	Default
50 Station Lock Set / Cancel	762
51 Night Mode Set / Cancel	78
52 Parallel Telephone Mode	39
53 External BGM On / Off	35
54 Live Call Screening	799
55 Call Log Incoming, Overwrite Mode	56
56 Call Log Incoming, Log Lock	57
57 Timed Reminder, Remote	7*
58 Login / Logout	45
59 Automatic Callback Busy Cancel	46
60 Walking COS	47
61 MODEM Control	791
62 MCID	737
63-70 Quick dial 1 - Quick dial 8	Blank
71 Reserved (Reserved for future use.)	Blank
72 Remote DND	722
73 Remote FWD Cancel-Once	723
74 Trunk Route Control	724
75 UCD Monitor Mode	725
76 TIE Line Access	77
77-92 Other PBX 01 - Other PBX 16	Blank
93 Paging Deny Set / Cancel	721
94 Trunk Busy-out	726
95 Walking Station	727
96 CLIP / COLP	711
97 CLIR	59
98 COLR	58
99 Dial Information (CTI)	Blank
100 COS Primary	792
101 COS Secondary	793
102 Room Status Ready	763

Programme	Default
103 Group Login / Logout	48
104 Group FWD	714
105 Print out Room Service	715
106-120 Reserved (Reserved for future use.)	Blank

2.4 Class of Service (COS)

2.4.1 Class of Service (COS) 1/2

Programme	Default
COS No.	1
Trunk Group Setting	—
TRS Level – Day / Night	1
Account Code Mode	Optional
Switching Day / Night Mode	Disable
Call from TRS Level 7 Extension	Enable
Time Limit of Outside Calls	No
Transfer to CO	Disable
Call FWD to CO/TIE	Disable
Off-Hook Call Announcement (OHCA)	Enable
Call FWD Follow Me	Enable
Busy Override	Disable
DND Override	Disable
Busy Override Deny	Enable
Released Link Operation	Disable
Digits Restriction in CO Talk Mode	Unrestricted
Automatic Hold	Disable
SDN COS	Own Extension
Charge Management	Disable
ISDN CFU / CFB / CFNR	Disable

2.4.2 Trunk Group Setting

Programme	Default
Trunk Group No. 01-48 – Day / Night	All: Check

2.4.3 Class of Service (COS) 2/2

Programme	Default
Secret Busy Override	Disable
Transferring CO dial tone (exempted from TRS)	Enable
Transfer to TIE	Disable
Incoming Group FWD	Disable

2.5 System Timer

2.5.1 System Timer 1/2

Programme	Default
Hold Recall Time	60 s
Transfer Recall Time	12 rings
Pickup Dial Waiting Time	1 s
Call Duration Count Start Time	0 s
First Digit Time	10 s
Inter-digit Time	5 s
Intercept Time	12 rings
Call Forwarding- No Answer Time	3 rings
Extension-to-CO Line Call Duration Time	10 min
CO-to-CO Line Call Duration Time	10 min
Automatic Redial Interval Time	60 s
Automatic Redial Repeat Times	3 times: [NZ], 10 times: [HK], [SA], 4 times: Others
Door Opener Time	5 s

2.5.2 System Timer 2/2

Programme	Default
Timed Reminder Ringing Time	30 s
Call Parking Recall Time	60 s
TIE Inter-digit Time	5 s
DISA Prolong Time	3 min
DISA Delayed Answer Time	1 ring
Timed Reminder Arrive Count	3 times
DISA Automated Attendant Time	1 s
DISA IRNA Time	60 s
Intercept Timer after OGM	5 s
Auto Shut-off Time	15 s
Timed Reminder Arrive Wait Time	60 s

2.6 Local Hunt Sequence

Programme	Default
Trunk Group No.	01: 1, Others: None

2.7 Trunk to Trunk Restriction

Programme	Default
Source Trunk Group No.	1
Destination Trunk Group No. (1-48)	No check

2.8 System Option

2.8.1 System Option 1

Programme	Default
1. Sound source during transfer	Music on Hold
2. SLT On-hook with consulting held call	Consulting Hold
3. FLASH button operation while CO talking	Release the trunk
4. FLASH button operation when "Don't release the trunk" is selected at #3	Disconnect and hear CO dial tone

Programme	Default
5. Limited call duration	Both calls
6. Transfer recall destination	Originating extension
7. Checking dial *, # by toll restriction	Check
8. Confirmation tone for Override, Barge-in, Conference and Privacy Release	Enable
9. Confirmation tone for Call Pickup, Paging, Paging- Answer, TAFAS-Answer, Hold Retrieve and Call Park Retrieve	Enable
10. Station Speed Dialing Initial display	Name

2.8.2 System Option 2

Programme	Default
11. Sending pulse signal during CO call	Enable
12. Automatic adjustment of the clock using Caller ID information	No
13. DISA prolong operation	No limit
14. Dialing "*" in DISA CO-to-CO talking	Disconnect and make a new call
15. Special dial tone after setting feature	Enable
16. Duration starting mode	Answer or Time-out
17. Destination Busy - DISA	Send busy tone
18. Destination Busy - DDI / DID	Send busy tone
19. Destination Busy - TIE	Send busy tone
20. Off-hook Monitor	Enable

2.8.3 System Option 3

Programme	Default
21. Illegal Number - DISA	Send reorder tone
22. Illegal Number - DDI / DID	Send reorder tone
23. Illegal Number - TIE	Send reorder tone
24. Sending dial tone to TIE trunk	Disable
25. Pressing DSS key operation in CO talking	Hold

Programme	Default
26. Pressing CO/DN/Answer key operation in talking	Hold
27. Message Waiting lamp pattern	#11
28. Trunk hunting mode	Forced
29. Card CODEC	Mu Law
30. Net CODEC	Mu Law: [HK], A Law: Others

2.8.4 System Option 4

Programme	Default
31. Answering Call Waiting call by SLT hooking	Disable
32. Whisper OHCA to extensions other than T74 / 75XX	Disable
33. FWD / DND lamp pattern	FWD: Flash, DND: On
34. ELCOT / LCOT Busy-out Loop Relay	OFF
35. GCOT Busy-out Loop Relay	OFF-RING-OPEN
36. Tone Mode	Type-3: [SA], Type-4: [HK], Type-1: Others
37. Ring Mode	Type-3: [SA], Type-1: Others
38. First Digit Time-out Process	Don't release the trunk
39. Extension CPC Signal	None
40. TSW Tone Selection	TONE-A: [SA], TONE-C: Others
41. Fixed Feature Number	Type-2: [SA], Type-1: Others
42. DPT Ringer OFF	Enable
43. LCD Time Display Mode	12h
44. Hotel Application	Disable
45. Flash Signal before CO Disconnect	Disable
46. Date Display	M / D / Y
47. Tone Type for Outgoing Calls	Busy + Reorder
48. Call Pickup with DSS S-CO key	Disable
49. LCD Display Mode while CO talking	Caller ID

2.8.5 System Option 5

Programme	Default
50. Dial / Ringback tone frequency	Normal
51. Release of BRI/PRI line while on-hold when 'DISCONNECT' signal is received	Release
52. Sending Mode of CLIP while CLIR is enabled (Q-Sig Line only)	Private Network
53. TIE-CO/CO-TIE Line Call Duration Restriction	No
54. Displaying charge fee on LCD including tax	No
55. Displaying charge fee on LCD including margin	No
56. Redial with ISDN	Send dials entered during conversation
57. VPS Auto Configuration Mode	Create mailboxes for only the tenant which has VPS ports
58. Release of BRI/PRI line while talking when 'DISCONNECT' signal is received	Release: [HK], Don't Release: Others
59. ARS Call Timeout Mode	Local Access
60. Empty Group	Allow

2.8.6 System Option 6

Programme	Default
61. Auto Answer with held call	Disable
62. End of Pulsing (End of Identification) Signal	None
63. Tenant Select Mode for DID / DDI	Trunk Group
65. Alert Ringing	Disable

2.9 Language Data

3 Group

3.1 Group

3.2 Trunk Group

3.2.1 Trunk Group 1/2

Programme	Default
Group No.	1
Type	Public
Copy	—
Intercept Destination – Day / Night	Blank
Pause Time before Flash Signal	512 ms
Max. Dial No. after EFA Signal	0
Line Hunting Order	Normal
Tenant No.	1
Flash Time	80 ms: [SA], 600 ms: Others
Disconnecting Time	1.5 s
Pause Time	1.5 s
PBX Access Code	Blank
[Numbering Plan ID] Outgoing—Public	Default
[Numbering Plan ID] Outgoing—Private	Private
[Numbering Plan ID] Incoming—Public	Default
[Numbering Plan ID] Incoming—Private	Private
PBX Dial Tone	Disable
PBX Ringback Tone	Disable
[Type of Number] Outgoing—Public	Default
[Type of Number] Outgoing—Private	Default
[Type of Number] Incoming—Public	Default
[Type of Number] Incoming—Private	Default
Cyclic Signal Detection	Check
Continuous Signal Detection	Check
Silence Detection	Check

3.2.2 Trunk Group 2/2

Programme	Default
ISDN Progress Tone Mode	Automatic
Sending ISDN FLASH signal to CO	Disable

3.3 Extension Group

Programme	Default
Group No.	1
Copy	—
FDN	Blank
DN Refer	—
Tenant No.	1
[Overflow Setting] Destination – Day / Night	Blank
[Overflow Setting] Timer	None
Group Type	Group No.126: VM, Group No.127: AA, Group No.128: Operator, Others: None
FWD / DND Mode	Enable
Extension Call Hunting	Enable
Calls to Empty Group	Disable
[UCD Setting] Time Table No.	None
[UCD Setting] FWD No Answer	Disable
[UCD Setting] Auto LOGOUT Mode	Disable
[UCD Setting] Supervisor Extension	Blank
[UCD Setting] LOGIN Monitor	Disable
[UCD Setting] UCD Call Waiting	Enable
[Operator Setting] Call Priority	CO Call: 1, Intercept Routing: 2, Recall: 3, Extension Call: 4
[Operator Setting] Ringing Type	Single

3.4 Paging Group

Programme	Default
Paging Group No.	1

Programme	Default
Extension Group No.	Paging Group No.1 = No.1: 1, No.2: 128, Others: None / Paging Group No.2-No.16 = All: None

3.5 Incoming Group

Programme	Default
Group No.	1
Copy	—
FDN	Blank
DN Refer	—
Group Type	DIL 1:N
[Overflow Setting] Destination – Day / Night	Blank
[Overflow Setting] Timer	None
Mailbox No.	Blank
FWD / DND Mode	Enable
Search Mode	UCD
Calls to Empty Group	Disable
[UCD Setting] Time Table No.	None
[UCD Setting] FWD No Answer	Disable
[UCD Setting] Auto LOGOUT Mode	Disable
[UCD Setting] Supervisor Extension	Blank
[UCD Setting] UCD Call Waiting	Enable
[Operator Setting] Call Priority	CO Call:1, Intercept Routing:2, Recall:3, Extension Call:4
[Operator Setting] Ringing Type	Single

3.5.1 Destination for Incoming Group

Programme	Default
[Destinations] DN	Blank
[Destinations] Ringing Type	Immediate

3.6 OGM Group

Programme	Default
Group No.	1
FDN	Blank
DN Refer	—
Tenant No.	1
OGM Type	DISA
Security Mode	Trunk
[DISA built-in Automated Attendant Tables] Dial 0 - Dial 9	Blank

4 Line

4.1 Line

4.2 Trunk Line

Programme	Default
Card No.	—
Port No.	1
Copy	—
Group No.	(Display only)
Name	CO001-CO192
Incoming Type	(1)DIL: ELCOT / GCOT / LCOT / PCOT / RCOT / T1 [GCO] / T1 [LCO] card (2)DID: DID / DID-2W / DID-MFC / E1 [DR2] / E1 [E&M-C (MFC-R2)] / E1 [E&M-P (MFC-R2)] / T1 [DID] card (3)TIE: E1 [E&M-C (Pulse, DTMF)] / E1 [E&M-P (Pulse, DTMF)] / E&M / T1 [TIE] card (4)DDI: BRI / PRI23 / PRI30 card
Dial Type	Pulse-10: [SA], DTMF-80: Others (DID-2W/E1/E&M/ELCOT/GCOT/LCOT/PCOT/RCOT/T1card), ISDN (BRI/PRI23/PRI30 card), MFC-R2 (DID-MFC card)
Destination – Day / Night / Lunch / Break	Day, Night: 1001, Lunch, Break: Blank
Subscriber	Blank
[DDI / DID / TIE] Digits to delete	0

Programme	Default
[DDI / DID / TIE] Number to be added	Blank
Digit to receive DDI / DID	4 (DID / DID-2W / DID-MFC / E1[DR2] / T1[DID] card), 16 (BRI / PRI23 / PRI30 card)
Collect Call	Enable
Wink Signal Time-out	1024 ms
Start Signal Type	Wink
Answer Wait Timer	None
[CPC Signal] OUT Detection	Enable: DID / DID-2W / DID-MFC / E1 [DR2] card, Disable: ELCOT / GCOT / LCOT / PCOT / RCOT / T1 [GCO] / T1 [LCO] card
[CPC Signal] OUT Detection - Detection Time (Type A)	400 ms: [NZ], None: Others
[CPC Signal] OUT Detection - Detection Time (Type B)	160 ms
[CPC Signal] IN Detection	[NZ]: Enable, Others (Enable: DID / DID-2W / DID-MFC / E1 [DR2] card, Disable: ELCOT / GCOT / LCOT / PCOT / RCOT / T1 [GCO] / T1 [LCO] card)
[CPC Signal] IN Detection - Detection Time (Type A)	400 ms: [NZ], None: Others
[CPC Signal] IN Detection - Detection Time (Type B)	160 ms
[TIE Line] Type	4 wires
[TIE Line] Sensitivity - IN EXT	0 dB
[TIE Line] Sensitivity - IN CO	0 dB
[TIE Line] Sensitivity - OUT EXT	0 dB
[TIE Line] Sensitivity - OUT CO	0 dB
[TIE Line] Sending TIE Caller ID	No
[TIE Line] TIE-to-CO Security Mode	No
First Ring Delay Timer	0 s
Reverse Signal Detection	Enable: [NZ], Disable: Others

4.3 Extension Line

4.3.1 Extension Line 1/2

Programme	Default
Card No.	—
Port No.	1
DN	—
Group No.	(Display only)
Copy	—
Name	Blank
Message Lamp	No
Mailbox No.	Same as the extension number
CO Key	—
PF Key	—
Initial Display Selection	Caller ID
Charge Limit	0
[COS No.] Primary	1
[COS No.] Secondary	1
[Preferred Line] Outgoing	Prime Line - ICM/PDN
[Preferred Line] Outgoing - Key No.	Blank
[Preferred Line] Incoming	Ringing Line
[Preferred Line] Incoming - Key No.	Blank
[Pickup Dialing] Mode	Disable
[Pickup Dialing] Dial	(Display only)
[LCS Setting] Status	Inactive
[LCS Setting] Operation Mode	Hands-free
[LCS Setting] Recording Mode	Stop Rec
[LCS Setting] LCS Password	Blank
Data Line Mode	No
Call Waiting Tone Type	Tone 1
Call Pickup Deny	Disable
Language	English
Station Lock Password	Blank

Programme	Default
ISDN Bearer Mode	Automatic
JOG Dial Speed	Normal
[CLIP / COLP Number] Public	Blank
[CLIP / COLP Number] Private	Blank
[Call Log Incoming] Overwrite Mode	Yes
[Call Log Incoming] Lock Password	Blank

4.3.2 Flexible CO Key Assignment

Programme	Default
Key Type	CO-01: Loop-CO, Others: Not Stored

4.3.3 Flexible PF Key Assignment for PT

Programme	Default
Key Type	Not Stored

4.3.4 Extension Line 2/2

Programme	Default
Intercept Destination – Day / Night	Blank
Call Forwarding-No Answer Time	0 ring

4.4 DSS Console

Programme	Default
Paired Extension	(Display only)
[DSS Console 1-8] Port No.	(Display only)
[DSS Console 1-8] Model	T7540: [AG], [SA], T7440: Others
DSS Key	—
PF Key	—
Copy	—

4.4.1 Flexible DSS Key Assignment

Programme	Default
Key Type	Not Stored

4.4.2 Flexible PF Key Assignment for DSS Console

Programme	Default
Key Type	Not Stored

4.5 Doorphone

Programme	Default
Card No.	—
Port No.	1
Tenant No.	1
Destination – Day / Night	Blank

4.6 External Paging

Programme	Default
Pager No.	(Display only)
Tenant No.	1
FDN	Blank
BGM	No check
BGM Source	MUS1
DN Refer	—

4.7 ISDN Extension Line

Programme	Default
Card No.	—
Port No.	—
Group No.	(Display only)
Name	Blank

Programme	Default
Charge Limit	0
Tone	Disable
ISDN Bearer Mode	Automatic
Numbering Plan ID	Default
Type of Number	Default
[CLIP / COLP Number] Public	Blank
[CLIP / COLP Number] Private	Blank
[COS No.] Primary	1
[COS No.] Secondary	1
Receiving ISDN FLASH signal	Place the call on consultation HOLD

4.8 PC Console Line

4.8.1 PC Console Line 1/2

Programme	Default
Card No.	—
Port No.	—
DN	—
Group No.	(Display only)
Name	Blank
Mailbox No.	Same as the extension number
[VM Key] VTR	Blank
[VM Key] 2WAY-REC	Blank
[VM Key] 2WAY-TRN	Blank
Initial Display Selection	Caller ID
Charge Limit	0
[COS No.] Primary	1
[COS No.] Secondary	1
[Preferred Line] Outgoing	Prime Line – ICM / PDN
[Preferred Line] Outgoing – Key No.	Blank
[Preferred Line] Incoming	Ringing Line
[Preferred Line] Incoming - Key No.	Blank

Programme	Default
[Pickup Dialing] Mode	Disable
[Pickup Dialing] Dial	(Display only)
[LCS Setting] Status	Inactive
[LCS Setting] Operation Mode	Hands-free
[LCS Setting] Recording Mode	Stop Rec
[LCS Setting] LCS Password	Blank
Data Line Mode	No
Call Waiting Tone Type	Tone 1
Call Pickup Deny	Disable
Language	English
Station Lock Password	Blank
ISDN Bearer Mode	Automatic
JOG Dial Speed	Normal
[CLIP / COLP Number] Public	Blank
[CLIP / COLP Number] Private	Blank
[Call Log Incoming] Overwrite Mode	Yes
[Call Log Incoming] Lock Password	Blank

4.8.2 PC Console Line 2/2

Programme	Default
Intercept Destination – Day / Night	Blank
Call Forwarding-No Answer Time	0 ring

5 Features

5.1 Features

5.2 System Speed Dialling

Programme	Default
Tenant No.	1
Entry No.	000-019
Max. Entry	(Display only)

Programme	Default
Current Registration	(Display only)
Name	Blank
Number	Blank

5.3 Phantom Extension

Programme	Default
Entry No.	001-048
FDN	Blank
DN Refer	—

5.4 Emergency Dial Code

Programme	Default
Dial	All: Blank

5.5 Quick Dialling

Programme	Default
Dial	All: Blank

5.6 Account Code

Programme	Default
Tenant No.	1
Entry No.	0001-0020
Code	Blank
TRS Level	None

5.7 Special Carrier Code

Programme	Default
Code	Blank

5.8 Waiting Second Dial Tone Code

Programme	Default
Entry No.	001-020
Mode	Disable
[Waiting Second Dial Tone Code] Dial	All: Blank
[Waiting Second Dial Tone Code] Pause	None

5.9 Absent Message

Programme	Default
Message	MSG1: Will Return Soon, MSG2: Gone Home, MSG3: At Ext %%% (Extension No.), MSG4: Back at %% : %% (Hour: Minute), MSG5: Out Until %% / %% (Month / Day), MSG6: In a Meeting, MSG7-9: Blank

5.10 DISA/TIE User Code

Programme	Default
Code	All: Blank
COS	All: 96

5.11 VPS Integration

5.11.1 VPS Integration 1/2

Programme	Default
Integration Code	
[Integration Code] Ringback Tone	1
[Integration Code] Busy Tone	2
[Integration Code] Reorder Tone	3
[Integration Code] DND Tone	4
[Integration Code] Extension Answer	5
[Integration Code] Extension Disconnection	#9
[Integration Code] Confirmation Tone	9

Programme	Default
[Integration Code] FWD to VM Ringback Tone	6
[Integration Code] FWD to VM Busy Tone	7
[Integration Code] FWD to Extension Ringback Tone	8
Voice Mail Command	
[Voice Mail Command] Leave Message	H
[Voice Mail Command] Get Message	*H
[Voice Mail Command] AA Service	#8
[Voice Mail Command] VM Service	#6

5.11.2 VPS Integration 2/2

Programme	Default
DTMF signal duration	80 ms
Pause timing before sending DTMF signal (Follow-on ID)	1.5 s
Pause timing before sending DTMF signal (RBT, BT)	1.5 s
Turn off control of Message Waiting lamp	System
Start AA service after FWD, IRNA of CO call	Do not start
Extension's mailbox number	Programmed number
Call from AA port to AA port	Allow
Sending out Follow-on ID after FWD	Enable
Sending out Follow-on ID after IRNA	Disable

5.12 Caller ID Modification

Programme	Default
[Local Call] Area Code	Blank
[Local Call] Digits to delete	No.1: 3, Others: 0
[Local Call] Number to be added	Blank
[Long Distance Call] Digits to delete	0
[Long Distance Call] Number to be added	1

5.13 Caller ID Registration

5.13.1 Caller ID Registration

Programme	Default
Tenant No.	1
Entry No.	0001-0010
Import from Sys. Speed Dial	—
Name	Blank
Number	Blank

5.14 UCD Time Table

Programme	Default
Table No.	1
Command Sequence (1-16)	None

5.15 Charge

Programme	Default
Charge Display on LCD	Meter
Charge by SMDR	Meter
[Charge Verification ID Code] Tenant 1-8	1234
Rate	1.0
Currency	\$
Currency Display Position	Tail
Treatment of Charge Limit	Alarm Tone
Meter Increment by Answer Detection	Disable

5.16 Hotel

Programme	Default
[Charge] Margin	0.0 %
[Charge] TAX1	30.0 %
[Charge] TAX2	30.0 %

Programme	Default
[Charge] TAX3	30.0 %
[Title] 1	Telephone
[Title] 2	Minibar
[Title] 3	Others
Title Header (3 lines)	Check Out Sheet
[Header Start] Line	1
[Header Start] Column	1
[Data Start] Line	4
[Data Start] Column	1
Language	English

6 Toll Restriction

6.1 Toll Restriction

6.2 TRS Deny Code

Programme	Default
TRS Level	6
Entry No.	001-020
Dial	Blank

6.3 TRS Exception Code

Programme	Default
TRS Level	6
Entry No.	001-020
Dial	Blank

7 ARS (Automatic Route Selection)

7.1 ARS (Automatic Route Selection)

7.2 Time Table

Programme	Default
Time A,-B,-C,-D, (SUN, MON, TUE, WED, THU, FRI, SAT)	Time-A=8:00AM, Time-B=5:00PM, Time-C=9:00PM, Time-D=Disable

7.3 Leading Digits Table

Programme	Default
Entry No.	001-020
Dial	Blank
Routing Plan No.	None

7.4 Routing Plan

Programme	Default
Plan No.	1
[Time-A, -B, -C, -D] Trunk Group No.	None
[Time-A, -B, -C, -D] Modification Table No.	None

7.5 Digits Modification Table

Programme	Default
Entry No.	01-08
Digits to delete	0
Number to be added	Blank

8 Private Network

8.1 Private Network

8.2 TIE Routing Table

Programme	Default
Entry No.	01-08
PBX Code	Blank
Leading Digit	Blank
Digits to delete	0
Number to be added	Blank
Trunk Group No.	None

9 DDI / DID

9.1 DDI/DID

9.2 Number Transformation

9.2.1 Number Transformation

Programme	Default
Entry No.	0001-0010
Automatic Registration	—
DDI / DID / MSN No.	Blank
Tenant No.	1
VPS Trunk Group No.	1
Destination – Day / Night	Blank
Name	Blank
MSN Line No.	Blank

9.2.2 Automatic Registration of DDI / DID / MSN Numbers

Programme	Default
[Base Number] Dial	Blank
[Additional Number] Number of Registrations	10 entries
[Additional Number] Number of Digits	2 digits (00-99)

Programme	Default
Beginning Entry No.	1 (Entry No.1)

10 Maintenance

10.1 Maintenance

10.2 External Modem 1/2

Programme	Default
Manual Initialization Command (1- 5)	All: Blank
Automatic Initialization Command	AT&F0Q0E0V1S0=1X0&D0

10.3 External Modem 2/2

Programme	Default
Connection Message (1-5)	Message 1: CONNECT, Others: Blank
Disconnection Message (1-5)	Message 1: NO CARRIER, Others: Blank

10.4 SMDR

10.4.1 SMDR 1/2

Programme	Default
SMDR Connection	No
Output Type	Type-A
Print out Error Information	Disable
[Format] Page Length	24 lines
[Format] Skip Perforation	0
[Duration Log] Outgoing Calls	All
[Duration Log] Incoming Calls	On
Print out Caller ID Information	Number
Print out DDI / DID Information	Disable
Print out Incoming Call Start "RC" and Incoming Call Answer "AN" information	Disable
Print out Timed Reminder Information	Disable
Print out Account Code	Enable (Last Entered Code)

Programme	Default
Print out LOGIN / LOGOUT	Disable
Print out Absent Message (6-9)	Disable
Print out Check-in / Check-out	Disable
Time Display Mode	12h

10.4.2 SMDR 2/2

Programme	Default
Print out supplementary digits (ISDN only)	Disable

10.5 Power Failure Transfer

Programme	Default
Trunk Card (1-24)	None
Extension Card (1-24)	None

10.6 System Parameters

Programme	Default
[Password] System Programming – Protection Level 1	1234
[Password] System Programming – Protection Level 2	1234
[Password] System Programming – Protection Level 3	1234
[Password] System Programming – Protection Level 4	1234
[Password] User Programming – PT	1234
[Password] Walking COS	1234
[Serial Interface Port] PROG (Port 1)	
[Serial Interface Port] PROG – Parity	(Display only)
[Serial Interface Port] PROG – NL Code	CR + LF
[Serial Interface Port] PROG – Word Length	(Display only)
[Serial Interface Port] PROG – Stop Bit	(Display only)

Programme	Default
[Serial Interface Port] PROG – Baud Rate	19200 bps
[Serial Interface Port] SMDR (Port 2)	
[Serial Interface Port] SMDR – Parity	None
[Serial Interface Port] SMDR – NL Code	CR + LF
[Serial Interface Port] SMDR – Word Length	8 bits
[Serial Interface Port] SMDR – Stop Bit	1 bit
[Serial Interface Port] SMDR – Baud Rate	9600 bps
Remote FDN	1499
DN Refer	—
[Remote Connect Information] Dial Number	Blank
[Remote Connect Information] Comment	Blank

10.7 System Time

Programme	Default
System Time	
(Year)	00
(Month)	Jan
(Day)	01
(Day of the week)	Sat
(Hour)	12
(Minute)	00
(AM / PM)	AM
Summer Time / Daylight-saving Time Setting	
Setting	Disable
Start (Month)	Blank
End (Month)	Blank
Start (Day)	Blank
End (Day)	Blank
Start (Year)	Blank
End (Year)	Blank

11 Programming Error Messages

11.1 Error Messages (EXXX)

11.2 Warning Messages (WXXX)

11.3 Information Message (IXXX)

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