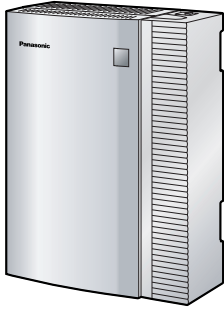


Panasonic



Hybrid IP-PBX

PT Programming Manual

Model No. **KX-TDA15**



Thank you for purchasing a Panasonic Hybrid IP-PBX.
Please read this manual carefully before using this product and save this manual for future use.

PSMPR Software File Version 4.0000 or later

Introduction

About this Programming Manual

The PT Programming Manual is designed to serve as a reference to programming the Panasonic Hybrid IP-PBX using a Panasonic proprietary telephone (PT) with display.

The PT Programming Manual is divided into the following sections:

Section 1, Overview

Provides an overview of programming the PBX.

Section 2, PT Programming

Serves as reference operating instructions when using a display PT to program the PBX.

Section 3, Appendix

Provides a list of all related PT programming items for each feature as Feature Programming References.

References Found in the PT Programming Manual

PT Programming Manual References

Related sections of the PT Programming Manual are listed for your reference.

Feature Guide References

The Feature Guide explains what the PBX can do, as well as how to obtain the most of its many features and facilities. Sections from the Feature Guide are listed throughout the PT Programming Manual for your reference.

Installation Manual References

The Installation Manual provides instructions detailing the installation and maintenance of the PBX. Sections from the Installation Manual are listed throughout the PT Programming Manual for your reference.

Links to Other Pages and Manuals

If you are viewing this manual with a PC, certain items are linked to different sections of the PT Programming Manual and other Hybrid IP-PBX manuals. Click on a link to jump to that section.

Linked items include:

- Installation Manual References
- PT Programming Manual References
- Feature Guide References

WARNING

Unplug the PBX from the AC outlet if it emits smoke, an abnormal smell or makes unusual noise. These conditions can cause fire or electric shock. Confirm that smoke has stopped and contact an authorised Panasonic Factory Service Centre.

NOTES

- The contents of this manual apply to PBXs with a certain software version, as indicated on the cover of this manual. To confirm the software version of your PBX, see **[190] Main Processing (MPR) Software Version Reference**.
- Some optional service cards, PTs, and features are not available in some areas. Additionally, some optional service cards and features are not available for some PBX models. Please consult your certified Panasonic dealer for more information.
- Product specifications are subject to change without notice.
- Throughout this manual, PT displays and other displays are shown in English. Other languages may be available, depending on the country or area.



The KX-TDA15E, KX-TDA15NE, KX-TDA15GR, and KX-TDA15CE are designed to interwork with the:

- Analogue Public Switched Telephone Network (PSTN) of European countries
- Pan-European Integrated Services Digital Network (ISDN) using ISDN basic rate access

Panasonic Communications Company (U.K.) Ltd. declares that this equipment is in compliance with the essential requirements and other relevant provisions of Radio & Telecommunications Terminal Equipment (R&TTE) Directive 1999/5/EC.

Declarations of Conformity for the relevant Panasonic products described in this manual are available for download by visiting:

<http://www.doc.panasonic.de>

Contact:

Panasonic Services Europe
a Division of Panasonic Marketing Europe GmbH
Panasonic Testing Centre
Winsbergring 15, 22525 Hamburg, Germany

Table of Contents

1	Overview	9
1.1	Introduction	10
1.1.1	Introduction	10
1.1.2	Password Security	11
1.1.3	Entering Characters	12
2	PT Programming	15
2.1	PT Programming	16
2.1.1	Programming Instructions	16
2.1.2	Entry Values	19
2.1.3	Basic Programming	20
	[000] Date & Time	20
	[001] System Speed Dialling Number	20
	[002] System Speed Dialling Name	20
	[003] Extension Number	20
	[004] Extension Name	21
	[005] Extension Personal Identification Number (PIN)	21
	[006] Operator Assignment	21
	[007] DSS Console Paired Telephone	21
	[008] Absent Message	22
	[010] Charge Margin	22
	[011] Charge Tax	22
	[012] Charge Rate per Unit	22
2.1.4	System Management Programming	23
	[100] Flexible Numbering	23
	[101] Time Service Switching Mode	23
	[102] Time Service Starting Time	23
	[103] Idle Line Access (Local Access)	24
	[110] System Password for Administrator—for PT Programming	24
	[111] System Password for User—for PT Programming	24
	[112] Manager Password	24
	[120] Verification Code	24
	[121] Verification Code Name	24
	[122] Verification Code Personal Identification Number (PIN)	24
	[123] Verification Code COS Number	25
	[130] Decimal Point Position for Currency	25
	[131] Currency	25
	[190] Main Processing (MPR) Software Version Reference	25
2.1.5	Timer Programming	26
	[200] Hold Recall Time	26
	[201] Transfer Recall Time	26
	[203] Intercept Time	26
	[204] Hot Line Waiting Time	26
	[205] Automatic Redial Repeat Times	26
	[206] Automatic Redial Interval	26
	[207] Door Unlock Time	26
	[208] Call Duration Count Starting Time for LCOT	27
	[209] DISA Delayed Answer Time	27
	[210] DISA Trunk-to-Trunk Call Prolong Time	27
	[211] DISA Intercept Time	27
2.1.6	TRS/Barring/ARS Programming	28
	[300] TRS/Barring Override by System Speed Dialling	28
	[301] TRS/Barring Denied Code	28
	[302] TRS/Barring Exception Code	28

	[303] Special Carrier Access Code	28
	[304] Emergency Number	28
	[320] ARS Mode	28
	[321] ARS Leading Number	29
	[322] ARS Routing Plan Table Number	29
	[325] ARS Exception Number	29
	[330] ARS Routing Plan Time Table	29
	[331–346] ARS Routing Plan Table (1–16)	29
	[350] ARS Carrier Name	30
	[351] ARS Trunk Group for Carrier Access	30
	[352] ARS Removed Number of Digits for Carrier Access	30
	[353] ARS Carrier Access Code	30
2.1.7	Trunk Programming	31
	[400] LCOT/BRI Trunk Connection	31
	[401] LCOT/BRI Trunk Name	31
	[402] LCOT/BRI Trunk Group Number	31
	[409] LCOT/BRI Trunk Number Reference	31
	[410] LCOT Dialling Mode	31
	[411] LCOT Pulse Rate	31
	[412] LCOT DTMF Minimum Duration	32
	[413] LCOT CPC Signal Detection Time—Outgoing	32
	[414] LCOT CPC Signal Detection Time—Incoming	32
	[415] LCOT Reverse Circuit	32
	[416] LCOT Pause Time	32
	[417] LCOT Flash/Recall Time	32
	[418] LCOT Disconnect Time	32
	[420] BRI Network Type	33
	[421] BRI DIL/DDI/MSN Selection	33
	[422] BRI Subscriber Number	33
	[424] BRI Layer 1 Active Mode	33
	[425] BRI Layer 2 Active Mode	33
	[426] BRI Configuration	33
	[427] BRI TEI Mode	34
	[450] DIL 1:1 Destination	34
	[451] DID Number	34
	[452] DID Name	34
	[453] DID Destination	34
	[471] Host PBX Access Code	34
	[472] Extension-to-Trunk Call Duration	35
	[473] Trunk-to-Trunk Call Duration	35
	[475] DISA Silence Detection	35
	[476] DISA Continuous Signal Detection	35
	[477] DISA Cyclic Signal Detection	35
	[490] Caller ID Signal Type	35
2.1.8	COS Programming	36
	[500] Trunk Group Number	36
	[501] TRS/Barring Level	36
	[502] Trunk Call Duration Limitation	36
	[503] Call Transfer to Trunk	36
	[504] Call Forwarding to Trunk	36
	[505] Executive Busy Override	37
	[506] Executive Busy Override Deny	37
	[507] DND Override	37
	[508] Account Code Mode	37
	[509] TRS/Barring Level for System Speed Dialling	37
	[510] TRS/Barring Level for Extension Dial Lock	37
	[511] Manager Assignment	37
	[512] Permission for Door Open Access	38
	[514] Time Service Manual Switching	38

	[515] Wireless XDP Parallel Mode for Paired Telephone.....	38
	[516] Programming Mode Limitation.....	38
2.1.9	Extension Programming.....	39
	[600] EXtra Device Port (XDP) Mode	39
	[601] Terminal Device Assignment	39
	[602] Class of Service	39
	[603] Extension User Group	39
	[604] Extension Intercept Destination.....	39
	[605] Call Forwarding—No Answer Time	39
	[606] CLIP/COLP Number	40
	[620] Incoming Call Distribution Group Member.....	40
	[621] Incoming Call Distribution Group Delayed Ringing.....	40
	[622] Incoming Call Distribution Group Floating Extension Number	40
	[623] Incoming Call Distribution Group Name	40
	[624] Incoming Call Distribution Group Distribution Method.....	41
	[625] Destination for Overflow Time Expiration	41
	[626] Overflow Time	41
	[627] Destination When All Busy	41
	[628] Queuing Call Capacity.....	41
	[629] Queuing Hurry-up Level	42
	[630] Queuing Time Table	42
	[631] Sequences in Queuing Time Table.....	42
	[632] Maximum Number of Agents.....	42
	[640] Extension User Groups of a Paging Group	42
	[641] External Pagers of a Paging Group	43
	[650] Extension User Groups of a Pickup Group.....	43
	[660] VM Group Floating Extension Number.....	43
	[680] Idle Extension Hunting Type	43
	[681] Idle Extension Hunting Group Member	43
	[690] PS Registration.....	44
	[691] PS Termination	44
	[692] Personal Identification Number (PIN) for PS Registration	44
	[699] CS Status Reference.....	44
2.1.10	Resource/Interface Programming	45
	[700] External Pager Floating Extension Number	45
	[710] Music Source Selection for BGM.....	45
	[711] Music on Hold.....	45
	[712] Music for Transfer	45
	[720] Doorphone Call Destination	45
	[729] Doorphone Number Reference	45
	[730] Outgoing Message (OGM) Floating Extension Number	46
	[731] Outgoing Message (OGM) Name.....	46
	[732] DISA Security Mode	46
2.1.11	SMDR & Maintenance Programming	47
	[800] RS-232C Parameter—New Line Code.....	47
	[800] RS-232C Parameter—Baud Rate.....	47
	[800] RS-232C Parameter—Word Length	47
	[800] RS-232C Parameter—Parity Bit	47
	[800] RS-232C Parameter—Stop Bit Length	47
	[801] External Modem Control.....	47
	[802] SMDR Page Length.....	47
	[803] SMDR Skip Perforation.....	48
	[804] SMDR Outgoing Call Printing.....	48
	[805] SMDR Incoming Call Printing.....	48
	[810] Remote Programming	48
	[812] ISDN Remote Floating Extension Number	48
2.1.12	Card Programming	49
	[900] Slot Card Type Reference	49
	[901] Slot Card Deletion	49

[902] Slot Card Reset	49
3 Appendix.....	51
3.1 Revision History	52
3.1.1 KX-TDA15 PSMPR Software File Version 4.0xxx	52
3.2 Feature Programming References.....	53



Section 1

Overview

This section provides an overview of programming the PBX.

1.1 Introduction

1.1.1 Introduction

These programming instructions are designed to serve as an overall system programming reference for the Panasonic Hybrid IP-PBX. Each feature in the PBX has default settings that can be changed to customise the PBX to your requirements. These settings control the functions of the PBX, and changing them is referred to as "system programming".

Only one person can perform system programming at a time. Any other users trying to enter system programming mode will be denied access.

Ways to Programme

There are two programming methods:

- **PC (Personal Computer) Programming**
All features and settings of the PBX can be programmed through PC programming with Maintenance Console. Installing and starting Maintenance Console are explained in the Installation Manual.
- **PT (Proprietary Telephone) Programming**
A subset of the features and settings of the PBX can be programmed using a PT. PT programming is described in Section 2.1 PT Programming. An extension user can perform system programming by entering three-digit programming numbers with a PT.

1.1.2 Password Security

To maintain system security, system passwords are required to access certain programming functions of the PBX. By giving different users access to different passwords, it is possible to control the amount of programming that each user is able to perform.

The following types of system passwords are available:

Password	Description	Format
System Password (PT) for User	Used to access user-level PT programming. The specific PT programming items that may be programmed at user level can be selected through system programming.	4 – 10 digits
System Password (PT) for Administrator	Used to access administrator-level PT programming. All PT programming settings are available.	

Warning to the Administrator or Installer regarding the system password

1. Please provide all system passwords to the customer.
2. To avoid unauthorised access and possible abuse of the PBX, keep the passwords secret, and inform the customer of the importance of the passwords, and the possible dangers if they become known to others.
3. The PBX has default passwords preset. For security, change these passwords the first time that you programme the PBX.
4. Change the passwords periodically.
5. It is strongly recommended that passwords of 10 numbers or characters be used for maximum protection against unauthorised access. For a list of numbers and characters that can be used in system passwords, refer to Section 1.1.3 Entering Characters.

1.1.3 Entering Characters

The following characters can be used when storing a name, message, or other text entry data using a PT. The tables below show you the characters available by pushing each button a specific number of times.

Table 1 (Standard mode)

Times Buttons	1	2	3	4	5	6	7	8	9
1	!	?	"	1					
2	A	B	C	a	b	c	2		
3	D	E	F	d	e	f	3		
4	G	H	I	g	h	i	4		
5	J	K	L	j	k	l	5		
6	M	N	O	m	n	o	6		
7	P	Q	R	S	p	q	r	s	7
8	T	U	V	t	u	v	8		
9	W	X	Y	Z	w	x	y	z	9
0	(space)	.	,	'	:	;	0		
*	/	+	-	=	<	>	*		
#	\$	%	&	@	()	€	£	#

Table 2 (Option mode)

Times Buttons	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	!	?	"	ä	ö	ü	1								
2	A	B	C	a	b	c	À	Á	Â	Ã	Ä	Å	Æ	Ç	2
3	D	E	F	d	e	f	Ð	È	É	Ê	Ë	3			
4	G	H	I	g	h	i	Ì	Í	Î	Ï	4				
5	J	K	L	j	k	l	5								
6	M	N	O	m	n	o	Ñ	Ò	Ó	Ô	Õ	Ö	Ø	Œ	6
7	P	Q	R	S	p	q	r	s	Š	ß	7				
8	T	U	V	t	u	v	Û	Ú	Û	Ü	8				
9	W	X	Y	Z	w	x	y	z	Ý	Ž	9				
0	(space)	.	,	'	:	;	0								
*	/	+	-	=	<	>	*								
#	\$	%	&	@	()	€	£	#						

Table 2 (Option mode for CE model)

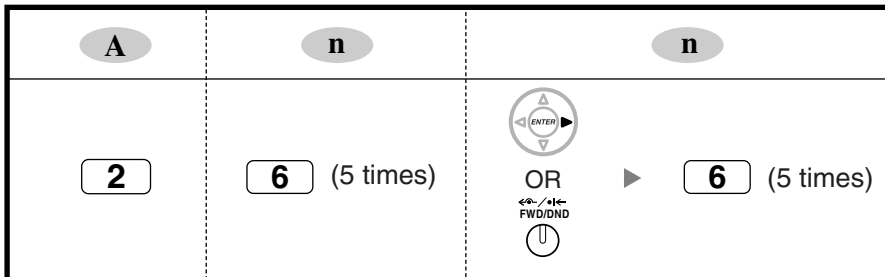
Times Buttons	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	!	?	"	ä	ö	ü	1								
2	A	B	C	a	b	c	Á	Â	Ă	Ä	Å	Ć	Ç	Č	2
3	D	E	F	d	e	f	Ď	Ð	É	Ě	Ë	ě	3		
4	G	H	I	g	h	i	Í	Î	4						
5	J	K	L	j	k	l	Ĺ	Ľ	5						
6	M	N	O	m	n	o	Ň	Ń	Ó	Ô	Õ	Ö	6		
7	P	Q	R	S	p	q	r	s	Ř	Ŕ	Š	Ś	Ş	ß	7
8	T	U	V	t	u	v	Ť	Ț	ű	Ú	Ű	Ü	8		
9	W	X	Y	Z	w	x	y	z	Ž	Ż	Ž	Ý	9		
0	(space)	.	,	'	:	;	0								
*	/	+	-	=	<	>	*								
#	\$	%	&	@	()	€	£	#						

Table 2 (Option mode for GR model)



Times Buttons	1	2	3	4	5	6	7	8	9
1	!	?	"	1					
2	A	B	Γ	2					
3	Δ	E	Z	3					
4	H	Θ	I	4					
5	K	Λ	M	5					
6	N	Ξ	O	6					
7	Π	P	Σ	7					
8	T	Υ	Φ	8					
9	X	Ψ	Ω	9					
0	(space)	.	,	'	:	;	0		
*	/	+	-	=	<	>	*		
#	\$	%	&	@	()	€	£	#

[Example of Entering Characters]

To enter "Ann":



Notes

- To erase the character on the cursor, press CLEAR.
- To move the cursor to the left, press .
- To move the cursor to the right, press . When entering two or more characters that use the same button consecutively (e.g. "G" and "I"), you must press this button or the FWD/DND button after entering the first character.
- If SELECT is pressed, the characters for each button will be displayed in reverse order.
- To toggle between Table 1 and Table 2 when using the KX-T7600 series or an IP-PT, press the leftmost soft button.

Section 2

PT Programming

This section serves as reference operating instructions when using a display PT to program the PBX.

2.1 PT Programming

2.1.1 Programming Instructions

Required Telephone/Extension

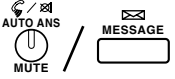
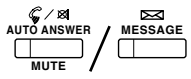






PBX settings can be customised through system programming by using a proprietary telephone (PT) with a multiline display, such as the KX-T7636. To access system programming, the Class of Service (COS) assigned to the PT's extension must be programmed to allow system programming, or the PT must be connected to the lowest-numbered port on the card installed in the lowest-numbered slot.

Only one system programming session can be performed at a time. This means that only one user can access system programming at a time, whether through a PT or PC.

For a list of characters that can be entered during system programming, see Section 1.1.3 Entering Characters.

Buttons and Functions

Fixed Buttons		Function
KX-T7600/IP-PT*1	KX-T7200/KX-T7400/ KX-T7500*2	
		PREVIOUS
		NEXT
		➔ (Page up)
		➔ (Page down)
		ENTER
	—	Back to Previous Menu (CANCEL)
		SHIFT
		PROGRAM
		END

Fixed Buttons		Function
KX-T7600/IP-PT*1	KX-T7200/KX-T7400/ KX-T7500*2	
		SELECT
		FLASH
		CLEAR
		SECRET

*1: The buttons shown in this column are from the KX-T7600 series.

*2: The buttons shown in this column are from the KX-T7400 series.

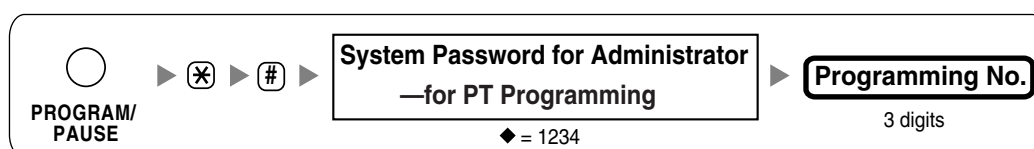
Entering System Programming Mode

Using a PT to perform system programming allows an authorised extension user to set a wide range of PBX features and parameters.

There are two levels of system programming that can be performed with a PT: administrator-level programming and user-level programming.

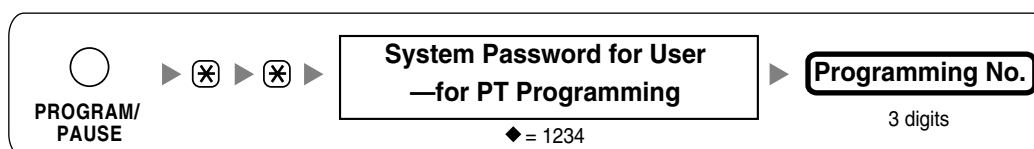
Administrator Level:

Allows the programming of all settings accessible through PT programming.



User Level:

Allows the programming of limited settings as permitted through PC programming.



Note

◆ means default value throughout this manual.

Programming Structure

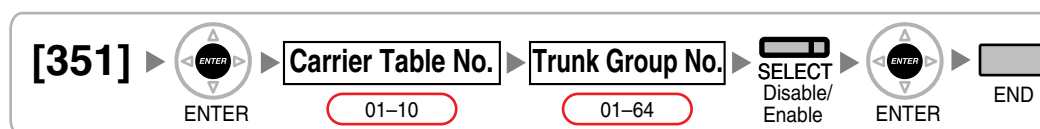
Programming Number	Programming Group Title	Description
[0XX]	Basic Programming	Frequently used programming steps

2.1 PT Programming

Programming Number	Programming Group Title	Description
[1XX]	System Management Programming	Global system parameters
[2XX]	Timer Programming	System timers
[3XX]	TRS/Barring/ARS Programming	TRS/Barring and Automatic Route Selection (ARS) programming
[4XX]	Trunk Programming	Trunk, trunk group, and BRI line settings
[5XX]	COS Programming	Class of Service parameters
[6XX]	Extension Programming	Extension feature settings
[7XX]	Resource/Interface Programming	PBX interface and external device settings
[8XX]	SMDR & Maintenance Programming	Station Message Detail Recording (SMDR) and maintenance feature settings
[9XX]	Card Programming	Used to display the cards currently installed in the PBX, or to delete a card from system programming before physically removing it.

2.1.2 Entry Values

Throughout this manual, maximum entry values are shown for each programming item, as shown in the example below.



Slot and Port Values

Available Slot Entry Values

Slot Number	Supported Cards
01	Pre-installed Super Hybrid Ports
02	Pre-installed BRI2 card
03-04	BRI1, BRI2 (slot 03 only), LCOT2 cards
05-06	DLC8 card
09	DPH2, DPH4 cards

Enter slot numbers as two-digit numbers (e.g. "04" for slot 4).

Available Port Entry Values

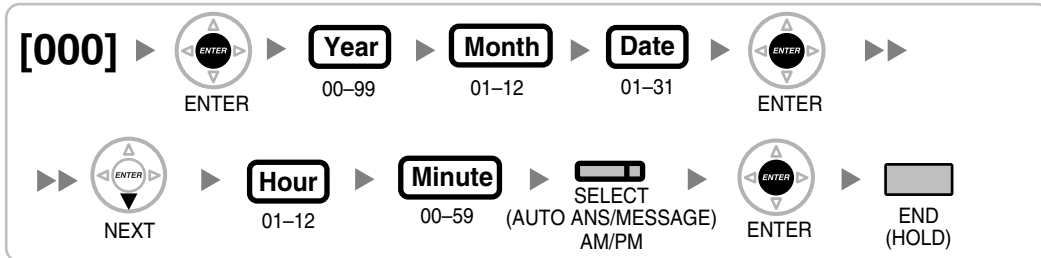
Card Type	Port Number	Related Programming
BRI1	01	[400] [409] [42x] [450]
BRI2	01-02	
DLC8	01-08	[600] [601]
DPH2	01-02	[72x]
DPH4	01-04	
LCOT2	01-02	[400] [409] [41x] [450]
Pre-installed Super Hybrid Ports	01-04	[600] [601]

Enter values as two-digit numbers (e.g. "04" for port 4).

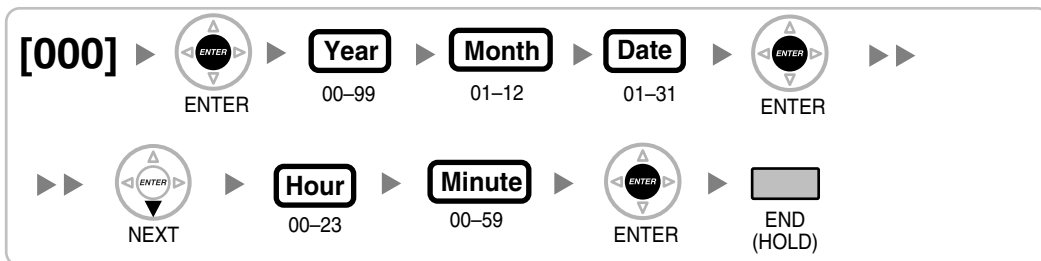
2.1.3 Basic Programming

[000] Date & Time

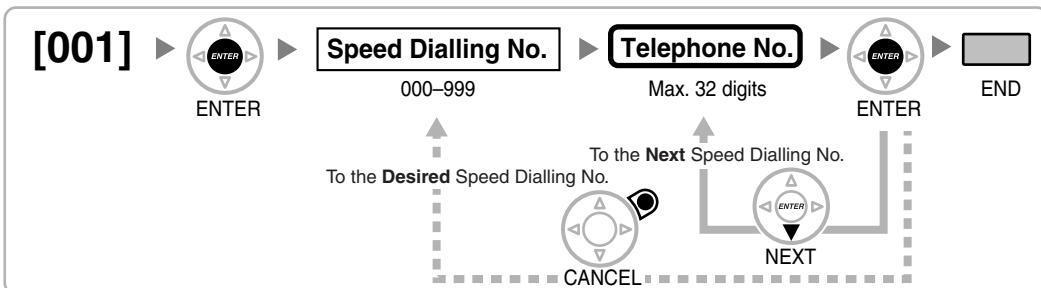
[In 12-hour Format]



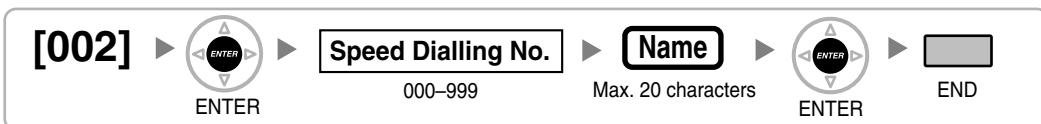
[In 24-hour Format]



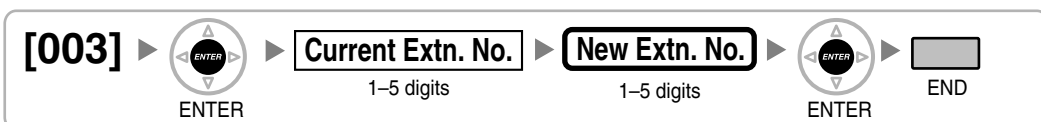
[001] System Speed Dialling Number



[002] System Speed Dialling Name



[003] Extension Number



Note

- If PC Phone, PC Console, or a CTI application is running on a PC connected to an extension whose extension number is to be programmed/modified, quit the application first.

[004] Extension Name**[005] Extension Personal Identification Number (PIN)****WARNING**

There is a risk that fraudulent telephone calls will be made if a third party discovers a personal identification number (PIN) (verification code PIN or extension PIN) of the PBX.

The cost of such calls will be billed to the owner/renter of the PBX.

To protect the PBX from this kind of fraudulent use, we strongly recommend:

- Keeping PINs secret.
- Selecting complex, random PINs that cannot be easily guessed.
- Changing PINs frequently.

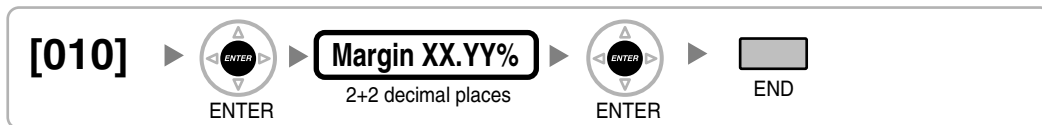
[006] Operator Assignment**[007] DSS Console Paired Telephone****Note**

This programme is only available after the port connected to the DSS Console is assigned as "DSS Console" in [601] Terminal Device Assignment.

[008] Absent Message



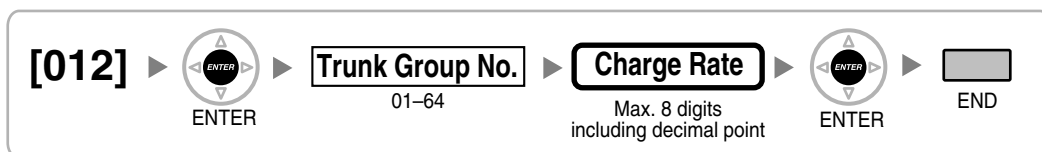
[010] Charge Margin



[011] Charge Tax

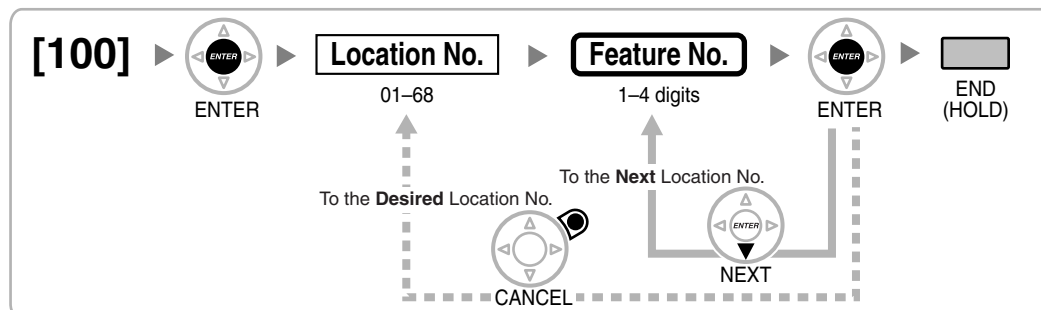


[012] Charge Rate per Unit

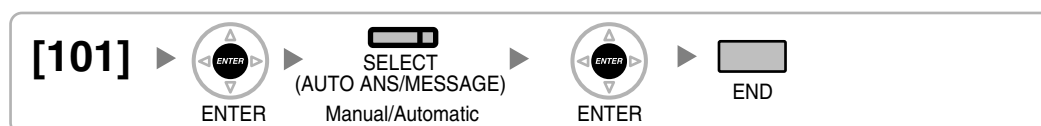


2.1.4 System Management Programming

[100] Flexible Numbering

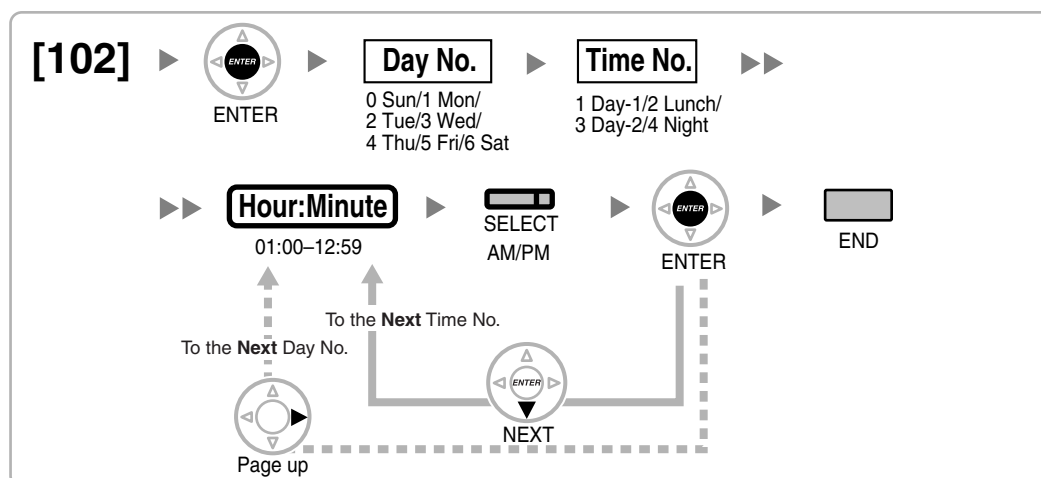


[101] Time Service Switching Mode

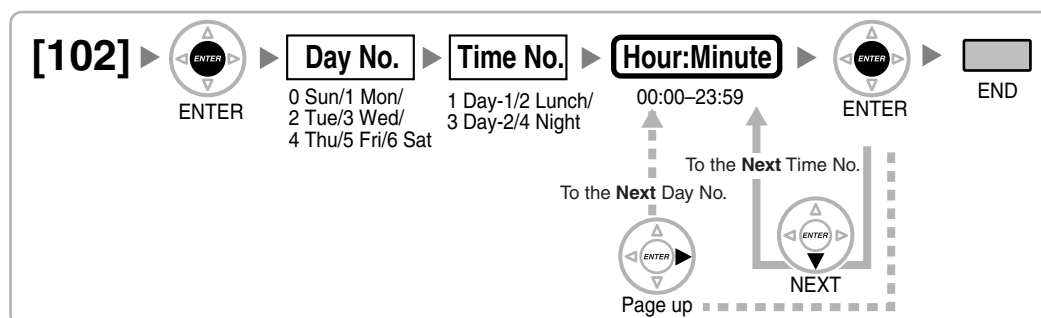


[102] Time Service Starting Time

[In 12-hour Format]



[In 24-hour Format]



[103] Idle Line Access (Local Access)



[110] System Password for Administrator—for PT Programming



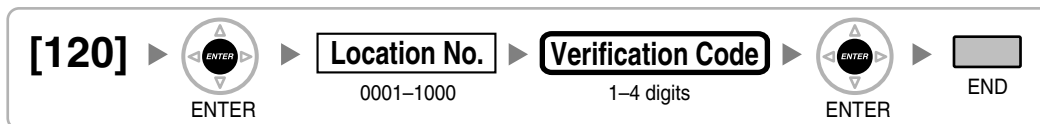
[111] System Password for User—for PT Programming



[112] Manager Password



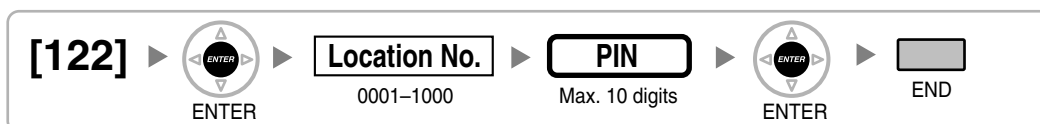
[120] Verification Code



[121] Verification Code Name



[122] Verification Code Personal Identification Number (PIN)



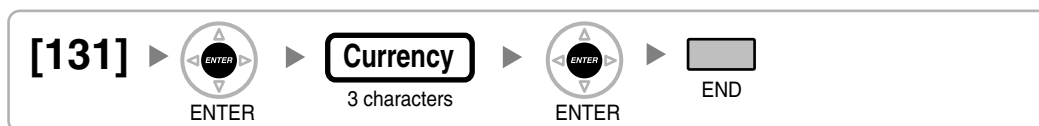
WARNING

There is a risk that fraudulent telephone calls will be made if a third party discovers a personal identification number (PIN) (verification code PIN or extension PIN) of the PBX.

The cost of such calls will be billed to the owner/renter of the PBX.

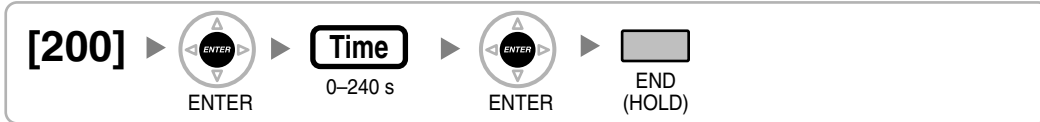
To protect the PBX from this kind of fraudulent use, we strongly recommend:

- a) Keeping PINs secret.
- b) Selecting complex, random PINs that cannot be easily guessed.
- c) Changing PINs frequently.

[123] Verification Code COS Number**[130] Decimal Point Position for Currency****[131] Currency****[190] Main Processing (MPR) Software Version Reference**

2.1.5 Timer Programming

[200] Hold Recall Time



[201] Transfer Recall Time



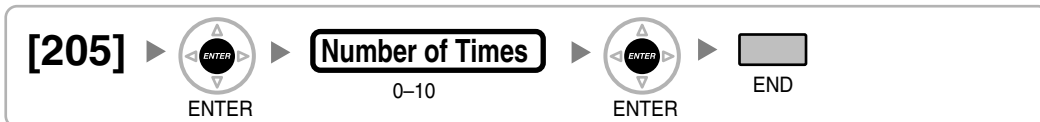
[203] Intercept Time



[204] Hot Line Waiting Time



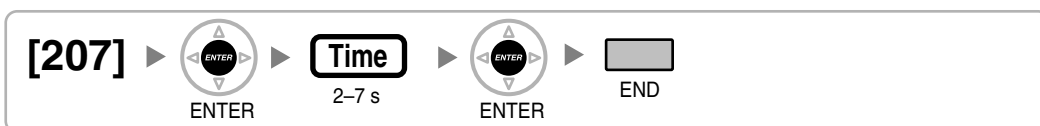
[205] Automatic Redial Repeat Times

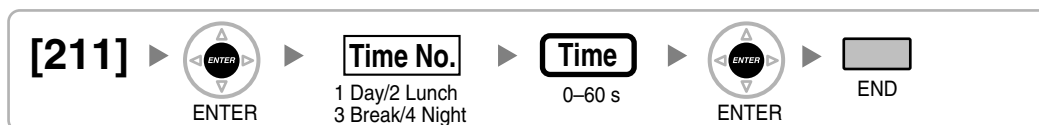


[206] Automatic Redial Interval



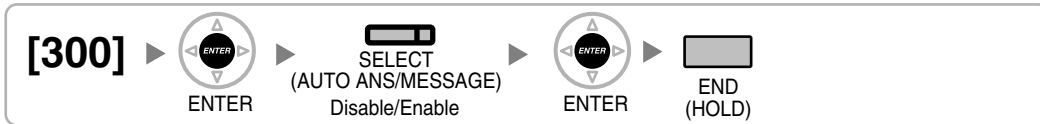
[207] Door Unlock Time



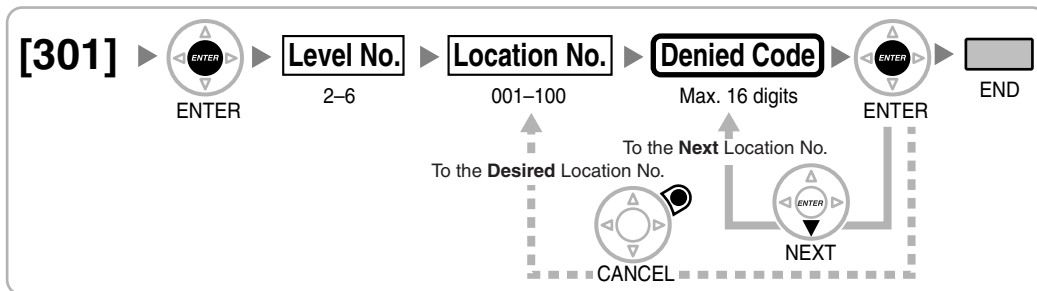
[208] Call Duration Count Starting Time for LCOT**[209] DISA Delayed Answer Time****[210] DISA Trunk-to-Trunk Call Prolong Time****[211] DISA Intercept Time**

2.1.6 TRS/Barring/ARS Programming

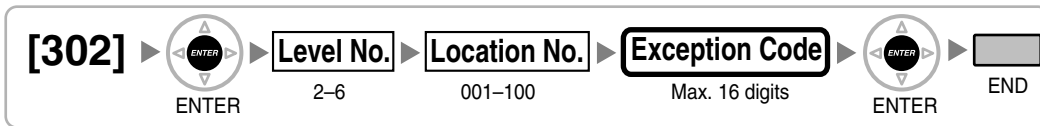
[300] TRS/Barring Override by System Speed Dialling



[301] TRS/Barring Denied Code



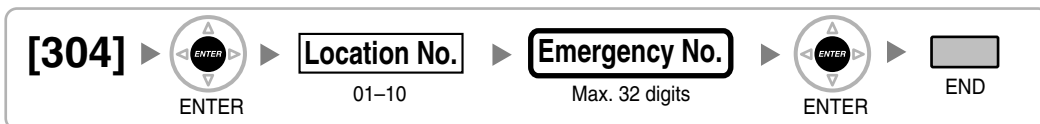
[302] TRS/Barring Exception Code



[303] Special Carrier Access Code



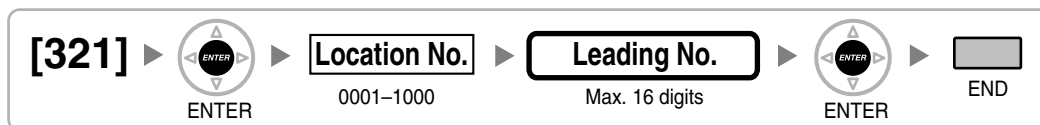
[304] Emergency Number



[320] ARS Mode



[321] ARS Leading Number



[322] ARS Routing Plan Table Number

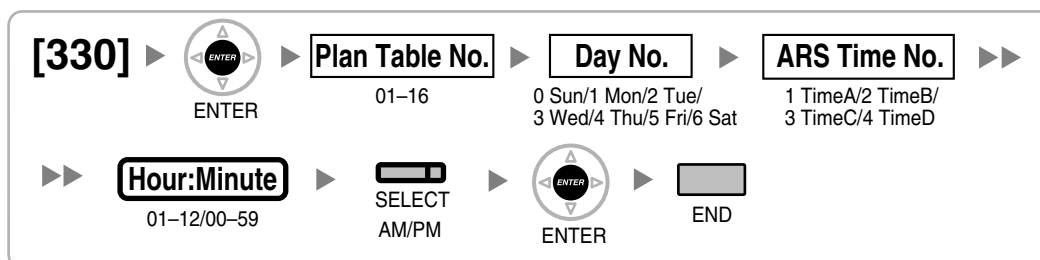


[325] ARS Exception Number

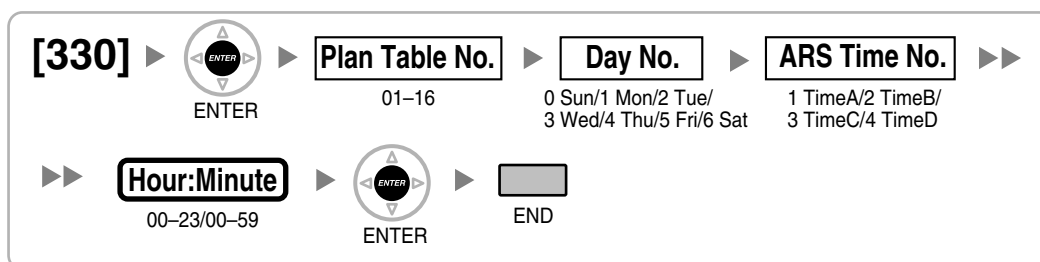


[330] ARS Routing Plan Time Table

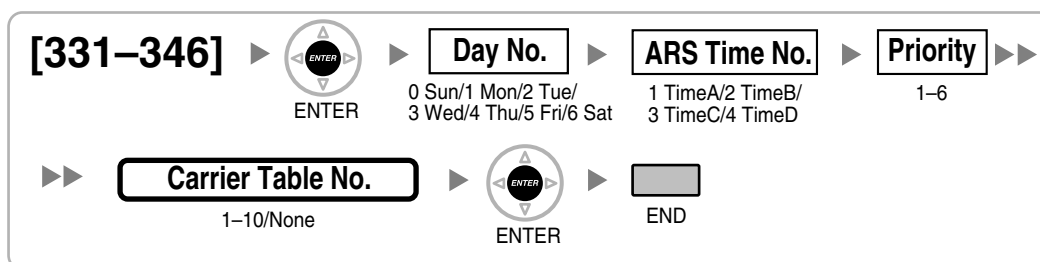
[In 12-hour Format]



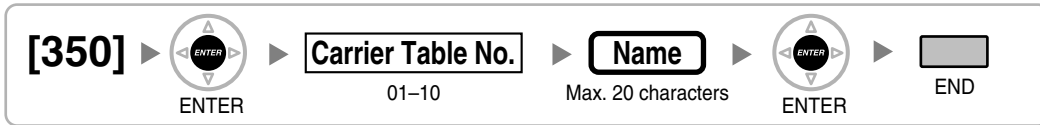
[In 24-hour Format]



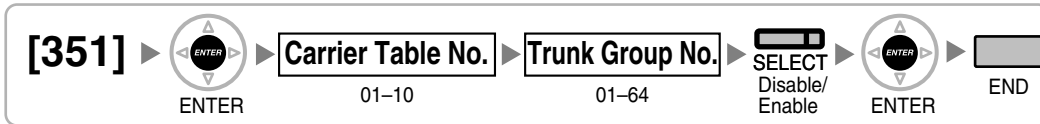
[331-346] ARS Routing Plan Table (1-16)



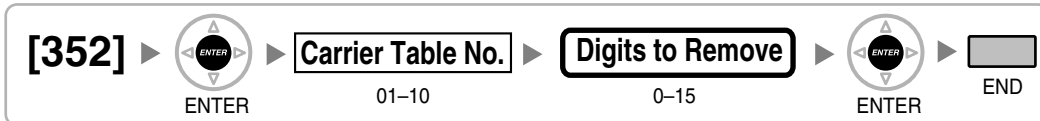
[350] ARS Carrier Name



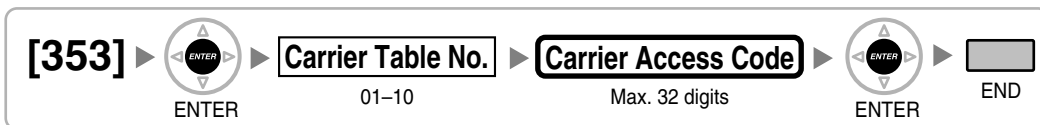
[351] ARS Trunk Group for Carrier Access



[352] ARS Removed Number of Digits for Carrier Access

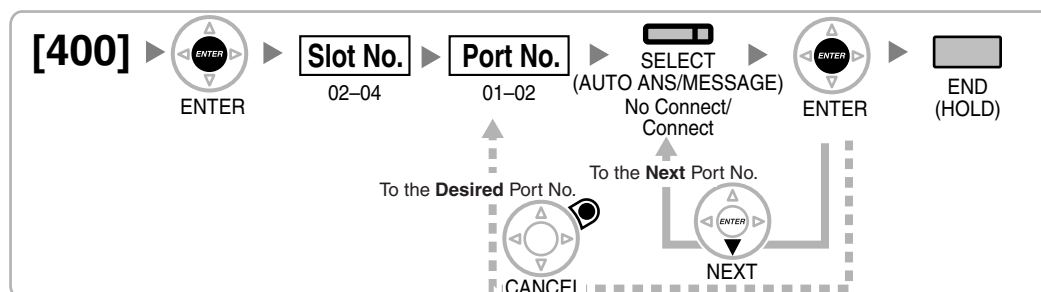


[353] ARS Carrier Access Code



2.1.7 Trunk Programming

[400] LCOT/BRI Trunk Connection



[401] LCOT/BRI Trunk Name



[402] LCOT/BRI Trunk Group Number



[409] LCOT/BRI Trunk Number Reference



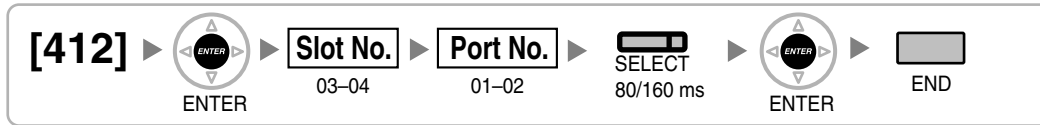
[410] LCOT Dialling Mode



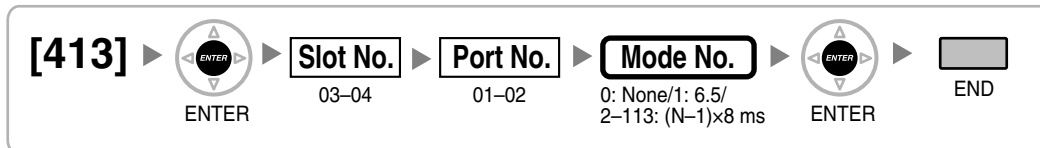
[411] LCOT Pulse Rate



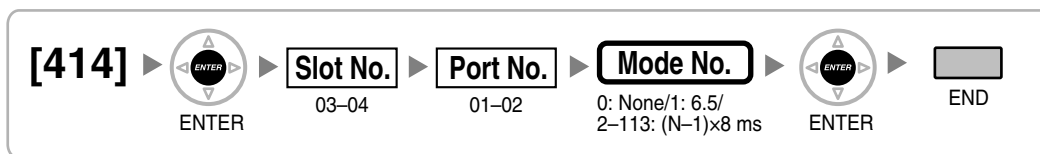
[412] LCOT DTMF Minimum Duration



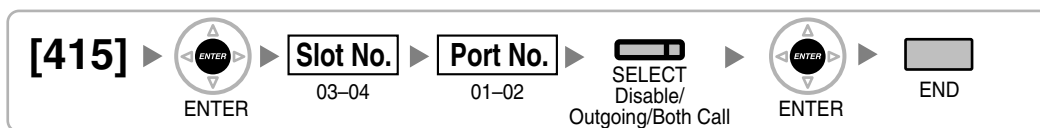
[413] LCOT CPC Signal Detection Time—Outgoing



[414] LCOT CPC Signal Detection Time—Incoming



[415] LCOT Reverse Circuit



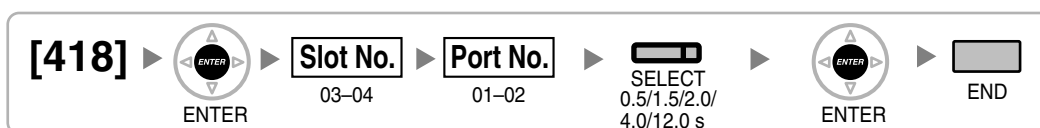
[416] LCOT Pause Time



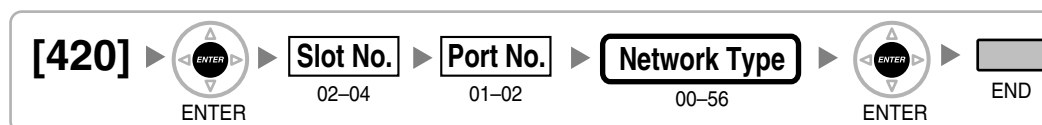
[417] LCOT Flash/Recall Time



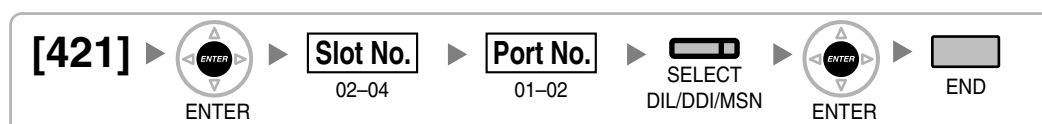
[418] LCOT Disconnect Time



[420] BRI Network Type



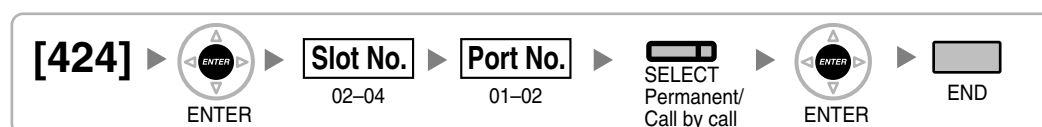
[421] BRI DIL/DDI/MSN Selection



[422] BRI Subscriber Number



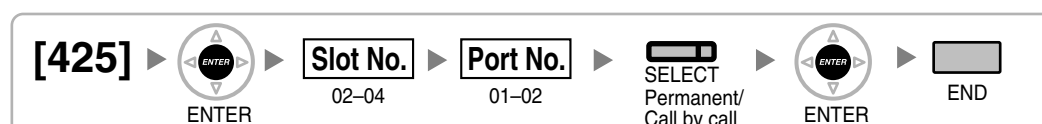
[424] BRI Layer 1 Active Mode



Note

After changing this setting, perform [902] Slot Card Reset to enable the new setting.

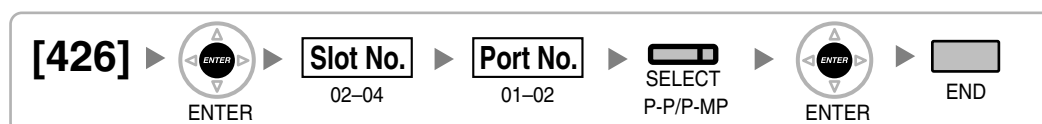
[425] BRI Layer 2 Active Mode



Note

After changing this setting, perform [902] Slot Card Reset to enable the new setting.

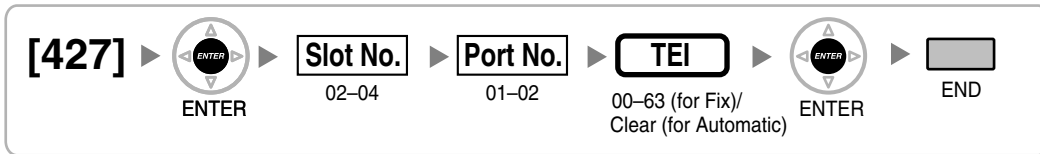
[426] BRI Configuration



Note

After changing this setting, perform [902] Slot Card Reset to enable the new setting.

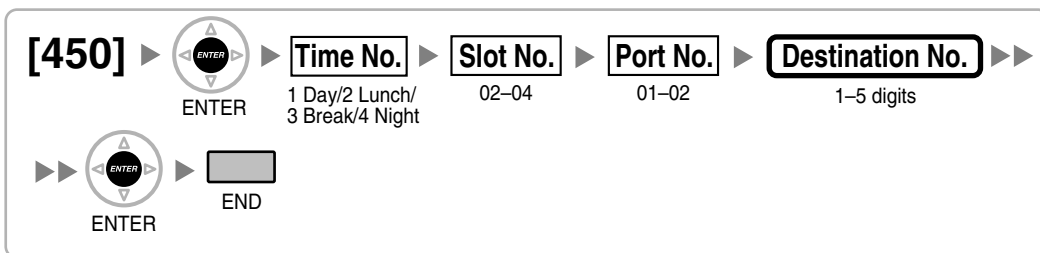
[427] BRI TEI Mode



Note

After changing this setting, perform [902] Slot Card Reset to enable the new setting.

[450] DIL 1:1 Destination



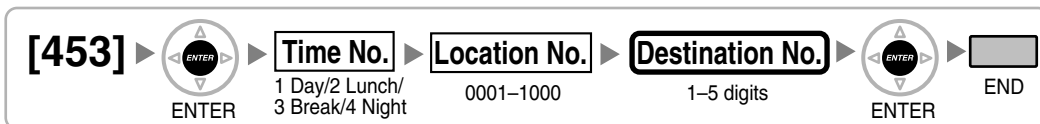
[451] DID Number



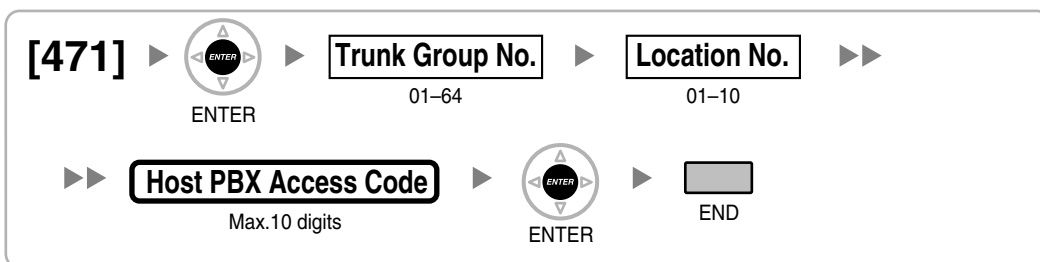
[452] DID Name

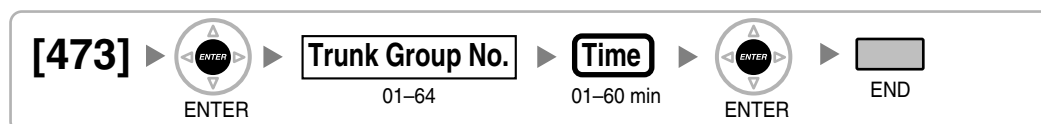
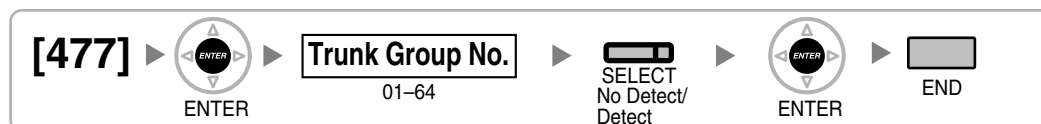


[453] DID Destination



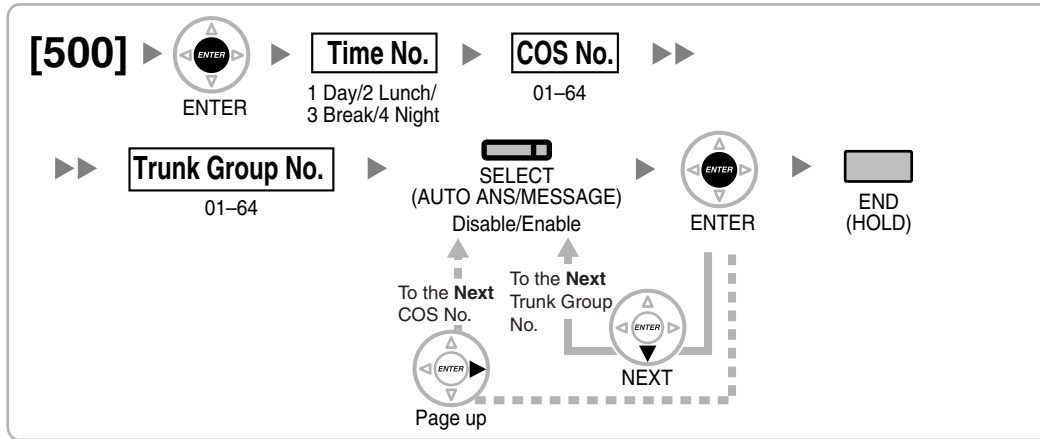
[471] Host PBX Access Code



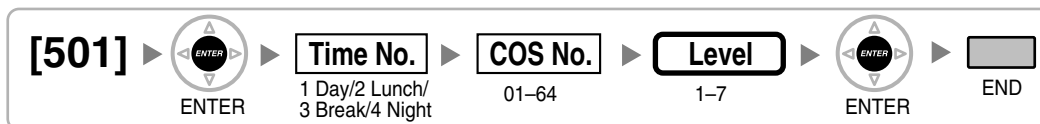
[472] Extension-to-Trunk Call Duration**[473] Trunk-to-Trunk Call Duration****[475] DISA Silence Detection****[476] DISA Continuous Signal Detection****[477] DISA Cyclic Signal Detection****[490] Caller ID Signal Type**

2.1.8 COS Programming

[500] Trunk Group Number



[501] TRS/Barring Level



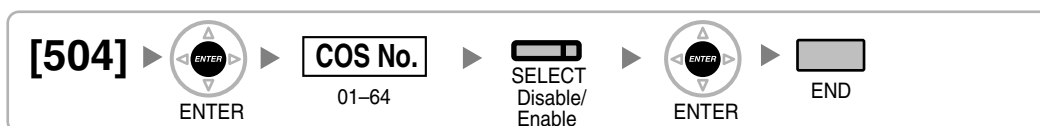
[502] Trunk Call Duration Limitation

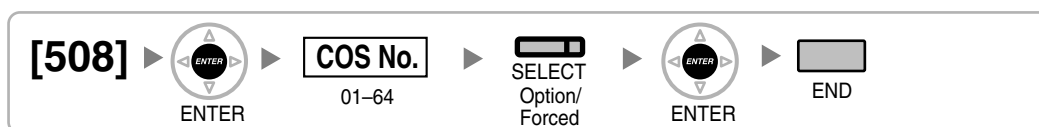


[503] Call Transfer to Trunk

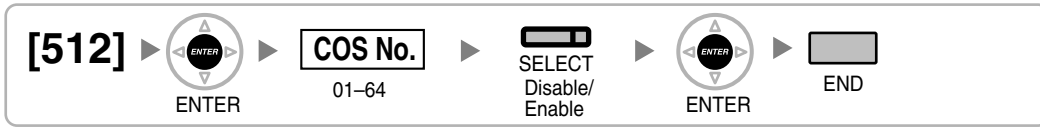


[504] Call Forwarding to Trunk



[505] Executive Busy Override**[506] Executive Busy Override Deny****[507] DND Override****[508] Account Code Mode****[509] TRS/Barring Level for System Speed Dialling****[510] TRS/Barring Level for Extension Dial Lock****[511] Manager Assignment**

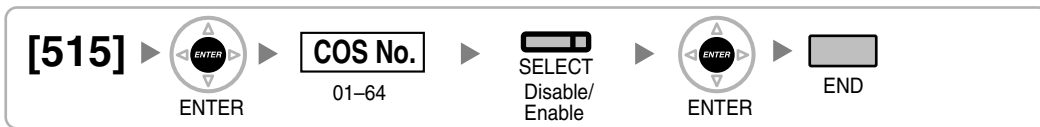
[512] Permission for Door Open Access



[514] Time Service Manual Switching



[515] Wireless XDP Parallel Mode for Paired Telephone

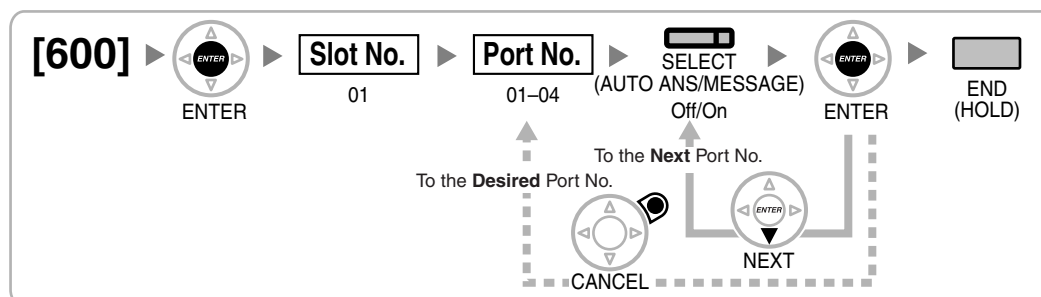


[516] Programming Mode Limitation

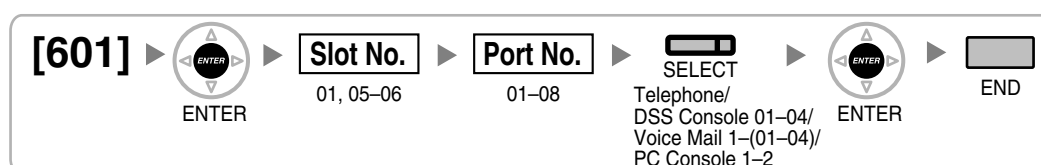


2.1.9 Extension Programming

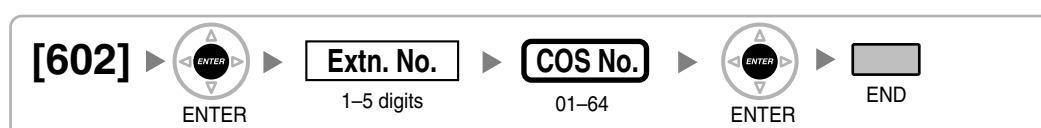
[600] EXtra Device Port (XDP) Mode



[601] Terminal Device Assignment



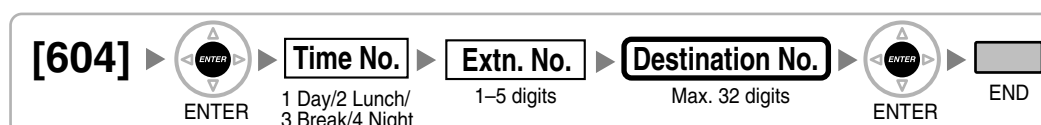
[602] Class of Service



[603] Extension User Group



[604] Extension Intercept Destination



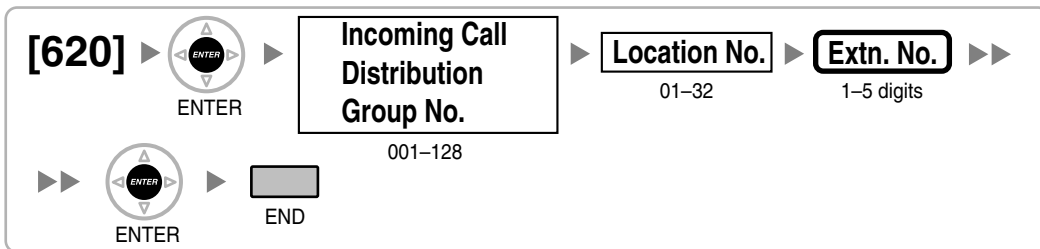
[605] Call Forwarding—No Answer Time



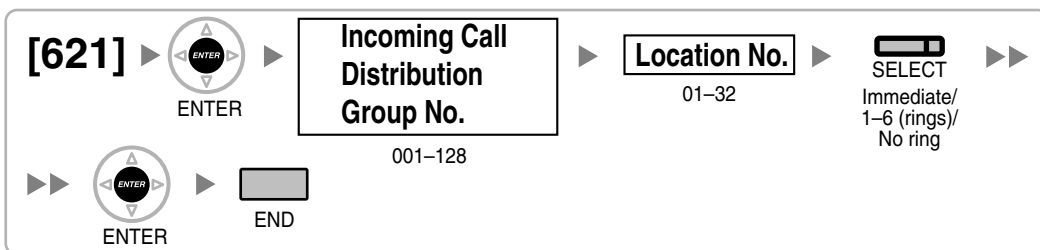
[606] CLIP/COLP Number



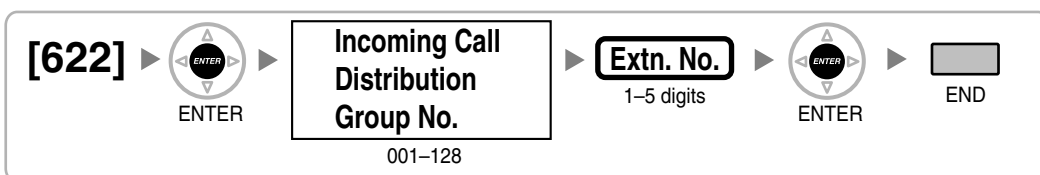
[620] Incoming Call Distribution Group Member



[621] Incoming Call Distribution Group Delayed Ringing



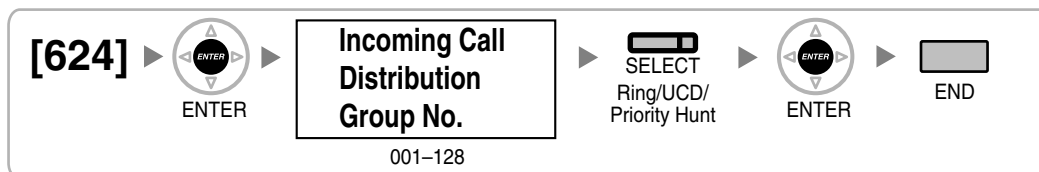
[622] Incoming Call Distribution Group Floating Extension Number



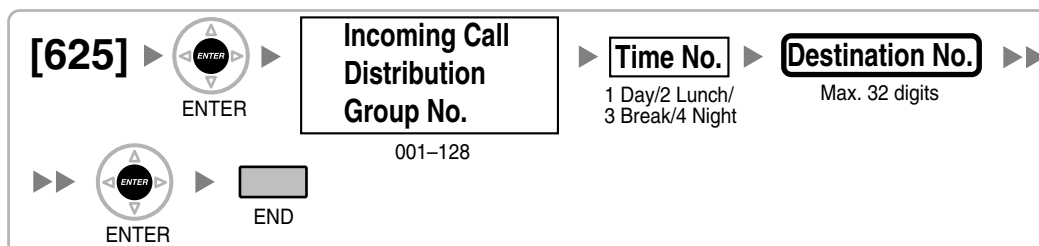
[623] Incoming Call Distribution Group Name



[624] Incoming Call Distribution Group Distribution Method



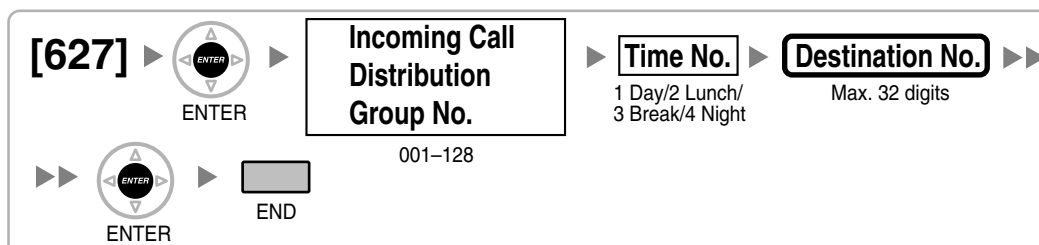
[625] Destination for Overflow Time Expiration



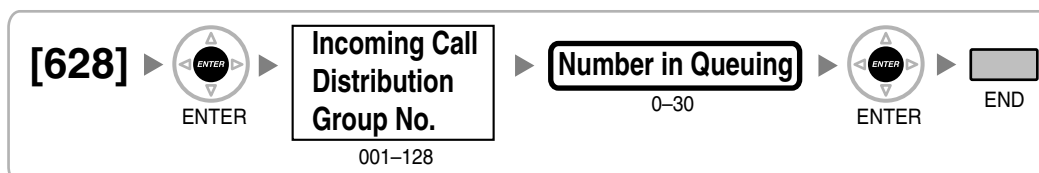
[626] Overflow Time



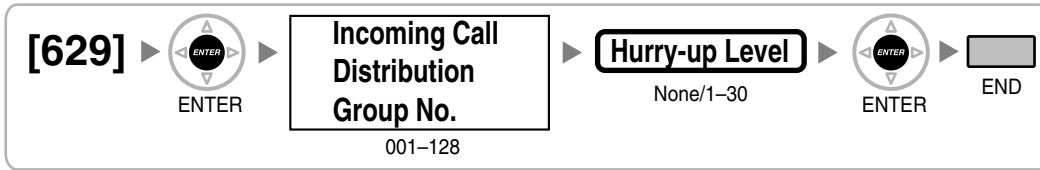
[627] Destination When All Busy



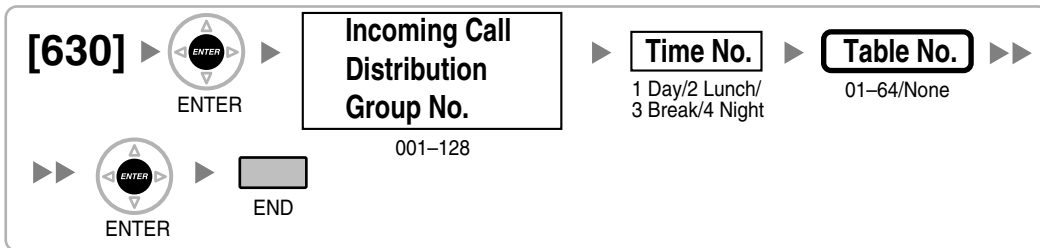
[628] Queuing Call Capacity



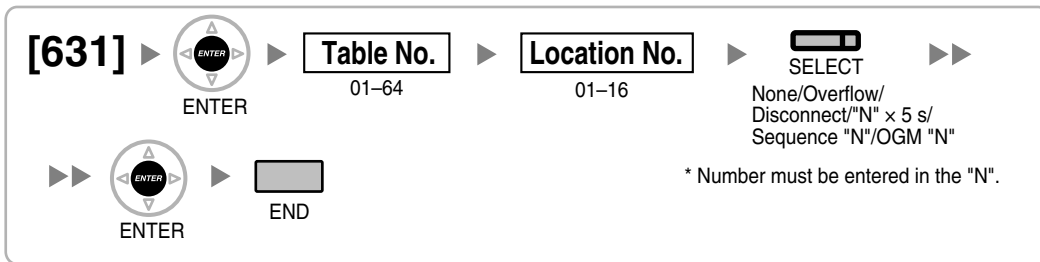
[629] Queuing Hurry-up Level



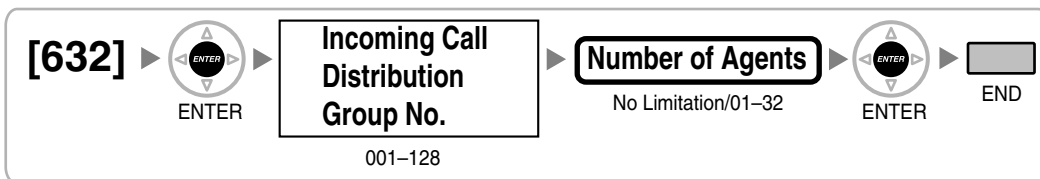
[630] Queuing Time Table



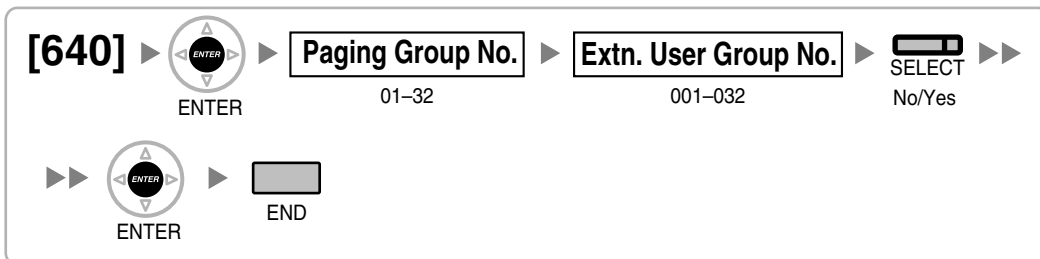
[631] Sequences in Queuing Time Table



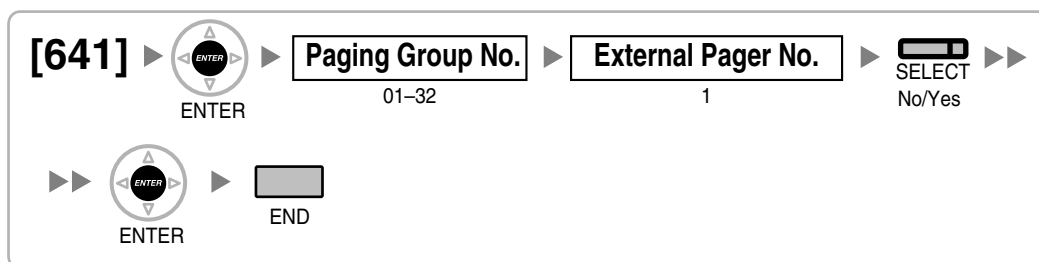
[632] Maximum Number of Agents



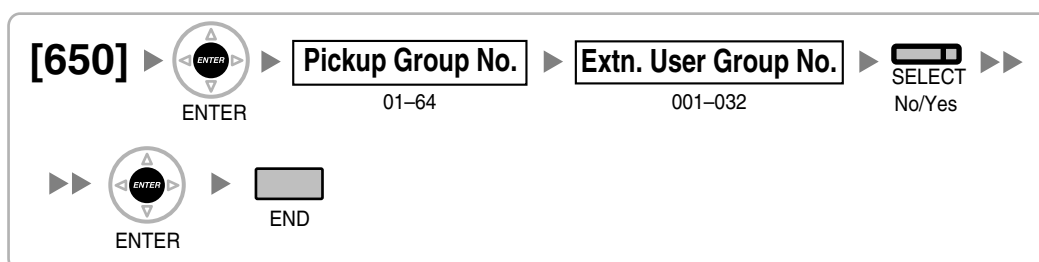
[640] Extension User Groups of a Paging Group



[641] External Pagers of a Paging Group



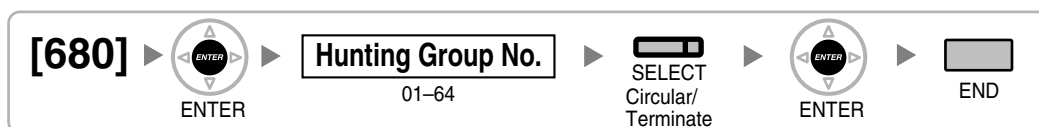
[650] Extension User Groups of a Pickup Group



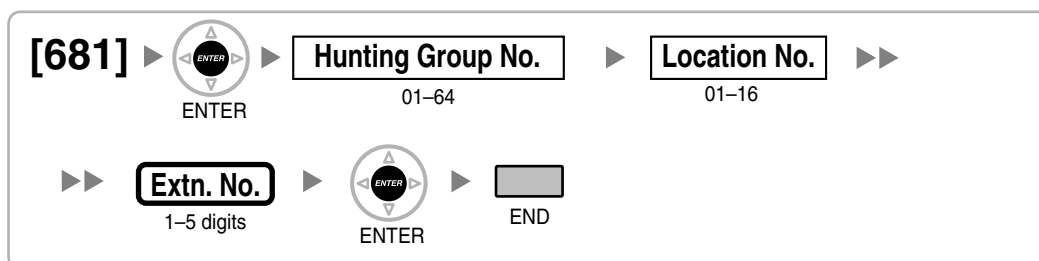
[660] VM Group Floating Extension Number



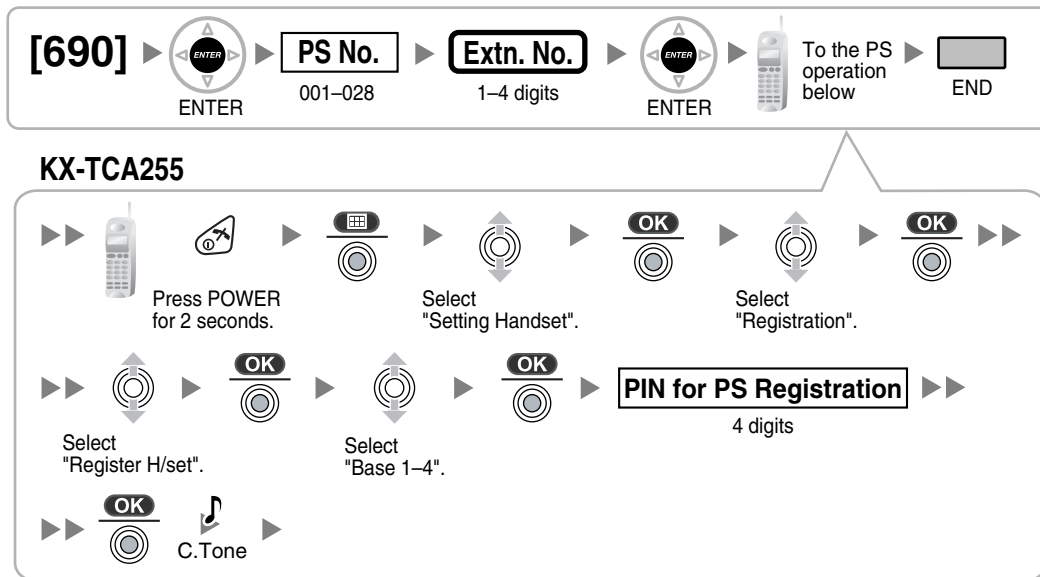
[680] Idle Extension Hunting Type



[681] Idle Extension Hunting Group Member



[690] PS Registration



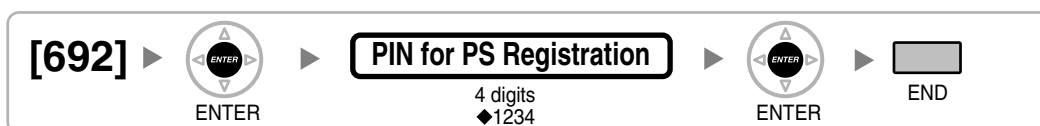
Note

- Please refer to Section 2.7.7 Connecting a Cell Station to the Hybrid IP-PBX in the Installation Manual for details about PS registration.

[691] PS Termination



[692] Personal Identification Number (PIN) for PS Registration



[699] CS Status Reference



2.1.10 Resource/Interface Programming

[700] External Pager Floating Extension Number



[710] Music Source Selection for BGM



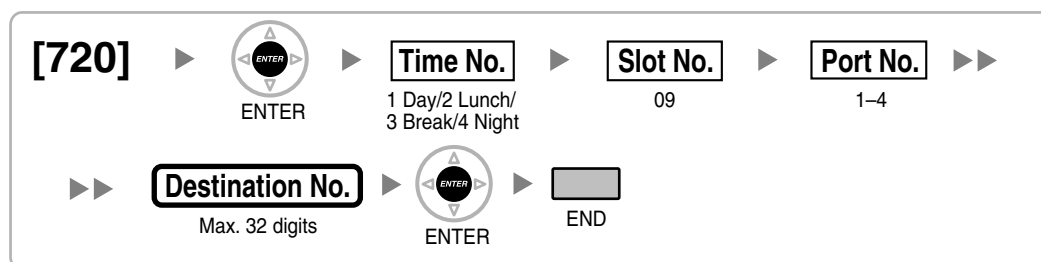
[711] Music on Hold



[712] Music for Transfer



[720] Doorphone Call Destination



[729] Doorphone Number Reference



[730] Outgoing Message (OGM) Floating Extension Number



[731] Outgoing Message (OGM) Name

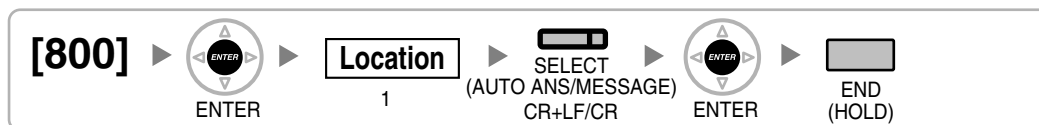


[732] DISA Security Mode

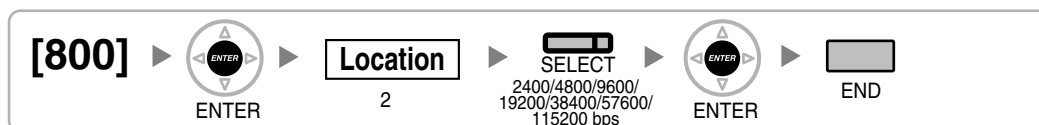


2.1.11 SMDR & Maintenance Programming

[800] RS-232C Parameter—New Line Code



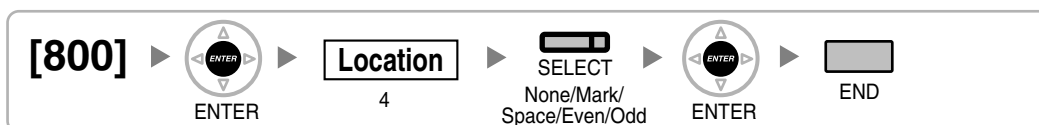
[800] RS-232C Parameter—Baud Rate



[800] RS-232C Parameter—Word Length



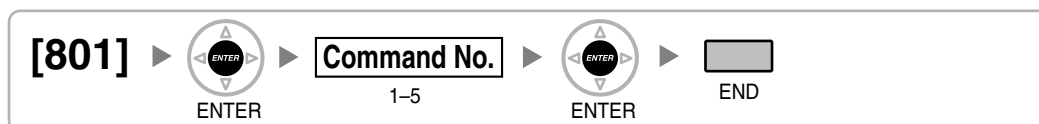
[800] RS-232C Parameter—Parity Bit



[800] RS-232C Parameter—Stop Bit Length



[801] External Modem Control



[802] SMDR Page Length



[803] SMDR Skip Perforation



[804] SMDR Outgoing Call Printing



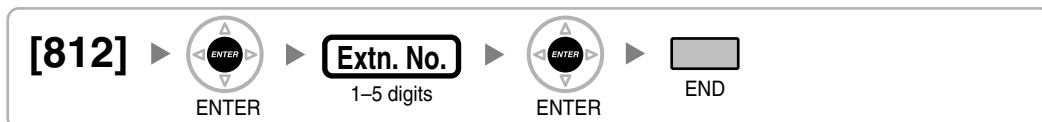
[805] SMDR Incoming Call Printing



[810] Remote Programming

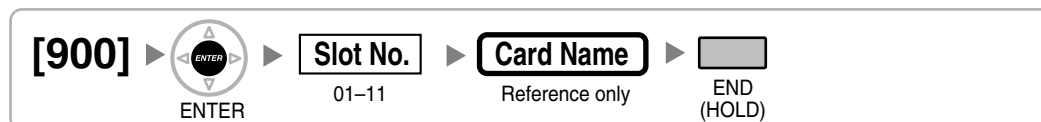


[812] ISDN Remote Floating Extension Number

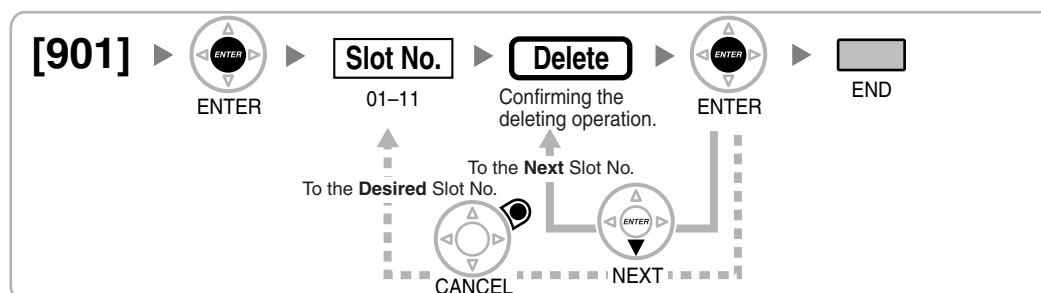


2.1.12 Card Programming

[900] Slot Card Type Reference



[901] Slot Card Deletion



[902] Slot Card Reset



Section 3

Appendix

3.1 Revision History

3.1.1 KX-TDA15 PSMPR Software File Version 4.0xxx

Changed Contents

- [003] Extension Number
- [004] Extension Name
- [005] Extension Personal Identification Number (PIN)
- [006] Operator Assignment
- [007] DSS Console Paired Telephone
- [130] Decimal Point Position for Currency
- [602] Class of Service
- [603] Extension User Group
- [604] Extension Intercept Destination
- [605] Call Forwarding—No Answer Time
- [606] CLIP/COLP Number
- [620] Incoming Call Distribution Group Member
- [622] Incoming Call Distribution Group Floating Extension Number
- [660] VM Group Floating Extension Number
- [681] Idle Extension Hunting Group Member
- [700] External Pager Floating Extension Number
- [730] Outgoing Message (OGM) Floating Extension Number
- [812] ISDN Remote Floating Extension Number

3.2 Feature Programming References

A

Absent Message

- [008] Absent Message

Feature Guide Reference

1.17.2 Absent Message

Account Code Entry

- [508] Account Code Mode

Feature Guide Reference

1.5.4.3 Account Code Entry

Automatic Route Selection (ARS)

- [320] ARS Mode
- [321] ARS Leading Number
- [322] ARS Routing Plan Table Number
- [325] ARS Exception Number
- [330] ARS Routing Plan Time Table
- [331–346] ARS Routing Plan Table (1–16)
- [350] ARS Carrier Name
- [351] ARS Trunk Group for Carrier Access
- [352] ARS Removed Number of Digits for Carrier Access
- [353] ARS Carrier Access Code

Feature Guide Reference

1.9.1 Automatic Route Selection (ARS)

C

Call Charge Services

- [010] Charge Margin
- [011] Charge Tax
- [012] Charge Rate per Unit
- [130] Decimal Point Position for Currency
- [131] Currency

Feature Guide Reference

1.22.3 Call Charge Services

Call Forwarding (FWD)

- [472] Extension-to-Trunk Call Duration
- [473] Trunk-to-Trunk Call Duration
- [504] Call Forwarding to Trunk
- [605] Call Forwarding—No Answer Time

Feature Guide Reference

1.3.1.2 Call Forwarding (FWD)

Call Hold

- [200] Hold Recall Time

Feature Guide Reference

1.12.1 Call Hold

Call Pickup

- [650] Extension User Groups of a Pickup Group

Feature Guide Reference

1.4.1.3 Call Pickup

Call Transfer

- [201] Transfer Recall Time
- [503] Call Transfer to Trunk
- [712] Music for Transfer

Feature Guide Reference

1.11.1 Call Transfer

Caller ID

- [001] System Speed Dialling Number
- [002] System Speed Dialling Name
- [490] Caller ID Signal Type

Feature Guide Reference

1.16.1 Caller ID

Calling Line Identification (CLI) Distribution

- [001] System Speed Dialling Number
- [002] System Speed Dialling Name

Feature Guide Reference

1.1.1.5 Calling Line Identification (CLI) Distribution

Calling Party Control (CPC) Signal Detection

- [413] LCOT CPC Signal Detection Time—Outgoing
- [414] LCOT CPC Signal Detection Time—Incoming

Feature Guide Reference

1.10.10 Calling Party Control (CPC) Signal Detection

Calling/Connected Line Identification Presentation (CLIP/COLP)

- [003] Extension Number
- [422] BRI Subscriber Number
- [606] CLIP/COLP Number

Feature Guide Reference

1.19.1.2 Calling/Connected Line Identification Presentation (CLIP/COLP)

Calling/Connected Line Identification Presentation (CLIP/COLP) and Calling/Connected Name Identification Presentation (CNIP/CONP)—by QSIG

- [003] Extension Number
- [004] Extension Name

Feature Guide Reference

1.26.4.2 Calling/Connected Line Identification Presentation (CLIP/COLP) and Calling/Connected Name Identification Presentation (CNIP/CONP)—by QSIG

Class of Service (COS)

- 2.1.8 COS Programming
- [602] Class of Service

Feature Guide Reference

2.2.1 Class of Service (COS)

D

Dial Type Selection

- [410] LCOT Dialling Mode
- [411] LCOT Pulse Rate
- [412] LCOT DTMF Minimum Duration

Feature Guide Reference

1.5.4.4 Dial Type Selection

Direct In Line (DIL)

- [421] BRI DIL/DDI/MSN Selection
- [450] DIL 1:1 Destination

Feature Guide Reference

1.1.1.2 Direct In Line (DIL)

Direct Inward Dialling (DID)/Direct Dialling In (DDI)

- [421] BRI DIL/DDI/MSN Selection
- [451] DID Number
- [452] DID Name
- [453] DID Destination

Feature Guide Reference

1.1.1.3 Direct Inward Dialling (DID)/Direct Dialling In (DDI)

Direct Inward System Access (DISA)

- [209] DISA Delayed Answer Time
- [210] DISA Trunk-to-Trunk Call Prolong Time
- [211] DISA Intercept Time
- [475] DISA Silence Detection
- [476] DISA Continuous Signal Detection
- [477] DISA Cyclic Signal Detection
- [604] Extension Intercept Destination

3.2 Feature Programming References

- [730] Outgoing Message (OGM) Floating Extension Number
- [731] Outgoing Message (OGM) Name
- [732] DISA Security Mode

Feature Guide Reference

1.15.6 Direct Inward System Access (DISA)

Display Information

- [130] Decimal Point Position for Currency
- [131] Currency

Feature Guide Reference

1.18.4 Display Information

Do Not Disturb (DND)

- [507] DND Override

Feature Guide Reference

1.3.1.3 Do Not Disturb (DND)

Door Open

- [207] Door Unlock Time
- [512] Permission for Door Open Access

Feature Guide Reference

1.15.2 Door Open

Doorphone Call

- [720] Doorphone Call Destination
- [729] Doorphone Number Reference

Feature Guide Reference

1.15.1 Doorphone Call

E

Emergency Call

- [304] Emergency Number

Feature Guide Reference

1.5.4.2 Emergency Call

Executive Busy Override

- [505] Executive Busy Override
- [506] Executive Busy Override Deny

Feature Guide Reference

1.7.2 Executive Busy Override

Extension Dial Lock

- [510] TRS/Barring Level for Extension Dial Lock

Feature Guide Reference

1.8.3 Extension Dial Lock

Extension Personal Identification Number (PIN)

- [005] Extension Personal Identification Number (PIN)

Feature Guide Reference

1.24.1 Extension Personal Identification Number (PIN)

Extension Port Configuration

- [007] DSS Console Paired Telephone
- [600] EXtra Device Port (XDP) Mode

Feature Guide Reference

2.1.1 Extension Port Configuration

External Feature Access (EFA)

- [417] LCOT Flash/Recall Time

Feature Guide Reference

1.10.7 External Feature Access (EFA)

F**Flash/Recall/Terminate**

- [418] LCOT Disconnect Time

Feature Guide Reference

1.10.6 Flash/Recall/Terminate

Flexible Numbering/Fixed Numbering

- [100] Flexible Numbering

Feature Guide Reference

2.3.6 Flexible Numbering/Fixed Numbering

Floating Extension

- [623] Incoming Call Distribution Group Name
- [660] VM Group Floating Extension Number
- [700] External Pager Floating Extension Number
- [730] Outgoing Message (OGM) Floating Extension Number
- [731] Outgoing Message (OGM) Name
- [812] ISDN Remote Floating Extension Number

Feature Guide Reference

2.3.7 Floating Extension

G**Group Call Distribution**

- [621] Incoming Call Distribution Group Delayed Ringing
- [624] Incoming Call Distribution Group Distribution Method

3.2 Feature Programming References

- [632] Maximum Number of Agents

Feature Guide Reference

1.2.2.2 Group Call Distribution

H

Host PBX Access Code (Access Code to the Telephone Company from a Host PBX)

- [471] Host PBX Access Code

Feature Guide Reference

1.5.4.7 Host PBX Access Code (Access Code to the Telephone Company from a Host PBX)

Hot Line

- [204] Hot Line Waiting Time

Feature Guide Reference

1.6.1.6 Hot Line

I

Idle Extension Hunting

- [680] Idle Extension Hunting Type
- [681] Idle Extension Hunting Group Member

Feature Guide Reference

1.2.1 Idle Extension Hunting

Incoming Call Distribution Group Features

- [620] Incoming Call Distribution Group Member
- [621] Incoming Call Distribution Group Delayed Ringing
- [622] Incoming Call Distribution Group Floating Extension Number
- [623] Incoming Call Distribution Group Name
- [624] Incoming Call Distribution Group Distribution Method
- [625] Destination for Overflow Time Expiration
- [626] Overflow Time
- [627] Destination When All Busy
- [628] Queuing Call Capacity
- [629] Queuing Hurry-up Level
- [630] Queuing Time Table
- [631] Sequences in Queuing Time Table
- [632] Maximum Number of Agents

Feature Guide Reference

1.2.2 Incoming Call Distribution Group Features

Integrated Services Digital Network (ISDN)

- [420] BRI Network Type
- [424] BRI Layer 1 Active Mode
- [425] BRI Layer 2 Active Mode

- [426] BRI Configuration
- [427] BRI TEI Mode

Feature Guide Reference

1.19.1 Integrated Services Digital Network (ISDN)

Intercept Routing

- [203] Intercept Time
- [604] Extension Intercept Destination
- [625] Destination for Overflow Time Expiration

Feature Guide Reference

1.1.1.6 Intercept Routing

Intercept Routing—No Destination

- [006] Operator Assignment

Feature Guide Reference

1.1.1.7 Intercept Routing—No Destination

Intercom Call

- [003] Extension Number
- [004] Extension Name

Feature Guide Reference

1.5.3 Intercom Call

Internal Call Features

- [720] Doorphone Call Destination

Feature Guide Reference

1.1.2 Internal Call Features

L**Last Number Redial**

- [205] Automatic Redial Repeat Times
- [206] Automatic Redial Interval

Feature Guide Reference

1.6.1.3 Last Number Redial

Line Preference—Outgoing

- [103] Idle Line Access (Local Access)
- [500] Trunk Group Number

Feature Guide Reference

1.5.5.2 Line Preference—Outgoing

M

Manager Features

- [112] Manager Password
- [511] Manager Assignment

Feature Guide Reference

2.2.6 Manager Features

Multiple Subscriber Number (MSN) Ringing Service

- [421] BRI DIL/DDI/MSN Selection
- [426] BRI Configuration

Feature Guide Reference

1.1.1.4 Multiple Subscriber Number (MSN) Ringing Service

Music on Hold

- [710] Music Source Selection for BGM
- [711] Music on Hold

Feature Guide Reference

1.12.4 Music on Hold

N

Network Direct Station Selection (NDSS)

- [511] Manager Assignment

Feature Guide Reference

1.26.5.1 Network Direct Station Selection (NDSS)

O

Operator Features

- [006] Operator Assignment

Feature Guide Reference

2.2.5 Operator Features

Outgoing Message (OGM)

- [631] Sequences in Queuing Time Table
- [730] Outgoing Message (OGM) Floating Extension Number

Feature Guide Reference

1.15.5 Outgoing Message (OGM)

Outside Destinations in Incoming Call Distribution Group

- [620] Incoming Call Distribution Group Member
- [621] Incoming Call Distribution Group Delayed Ringing
- [622] Incoming Call Distribution Group Floating Extension Number
- [624] Incoming Call Distribution Group Distribution Method

- [629] Queuing Hurry-up Level

Feature Guide Reference

1.2.2.3 Outside Destinations in Incoming Call Distribution Group

Overflow Feature

- [625] Destination for Overflow Time Expiration
- [626] Overflow Time
- [627] Destination When All Busy
- [628] Queuing Call Capacity
- [632] Maximum Number of Agents

Feature Guide Reference

1.2.2.6 Overflow Feature

P

Paging

- [640] Extension User Groups of a Paging Group
- [641] External Pagers of a Paging Group

Feature Guide Reference

1.14.1 Paging

Paralleled Telephone

- [600] EXtra Device Port (XDP) Mode

Feature Guide Reference

1.10.9 Paralleled Telephone

Pause Insertion

- [416] LCOT Pause Time

Feature Guide Reference

1.5.4.6 Pause Insertion

PC Phone/PC Console

- [601] Terminal Device Assignment

Feature Guide Reference

1.28.2 PC Phone/PC Console

Portable Station (PS) Connection

- [690] PS Registration
- [691] PS Termination
- [692] Personal Identification Number (PIN) for PS Registration

Feature Guide Reference

1.21.1 Portable Station (PS) Connection

PS Directory

- [001] System Speed Dialling Number

3.2 Feature Programming References

- [002] System Speed Dialling Name
- [004] Extension Name

Feature Guide Reference

1.21.3 PS Directory

PS Ring Group

- [620] Incoming Call Distribution Group Member

Feature Guide Reference

1.21.2 PS Ring Group

PS Roaming by Network ICD Group

- [620] Incoming Call Distribution Group Member
- [622] Incoming Call Distribution Group Floating Extension Number
- [624] Incoming Call Distribution Group Distribution Method

Feature Guide Reference

1.26.6.1 PS Roaming by Network ICD Group

PT Programming

- 2.1 PT Programming
- [516] Programming Mode Limitation

Feature Guide Reference

2.3.2 PT Programming

Q

Queuing Feature

- [628] Queuing Call Capacity
- [629] Queuing Hurry-up Level
- [630] Queuing Time Table
- [631] Sequences in Queuing Time Table
- [632] Maximum Number of Agents

Feature Guide Reference

1.2.2.4 Queuing Feature

R

Reverse Circuit

- [415] LCOT Reverse Circuit

Feature Guide Reference

1.5.4.5 Reverse Circuit

S

Software Upgrading

- [190] Main Processing (MPR) Software Version Reference

Feature Guide Reference

2.3.8 Software Upgrading

Special Carrier Access Code

- [303] Special Carrier Access Code

Feature Guide Reference

1.5.4.8 Special Carrier Access Code

Speed Dialling—Personal/System

- [001] System Speed Dialling Number
- [002] System Speed Dialling Name
- [509] TRS/Barring Level for System Speed Dialling

Feature Guide Reference

1.6.1.4 Speed Dialling—Personal/System

Station Message Detail Recording (SMDR)

- [800] RS-232C Parameter—New Line Code
- [800] RS-232C Parameter—Baud Rate
- [800] RS-232C Parameter—Word Length
- [800] RS-232C Parameter—Parity Bit
- [800] RS-232C Parameter—Stop Bit Length
- [802] SMDR Page Length
- [803] SMDR Skip Perforation
- [804] SMDR Outgoing Call Printing
- [805] SMDR Incoming Call Printing

Feature Guide Reference

1.22.1 Station Message Detail Recording (SMDR)

T**Tenant Service**

- [001] System Speed Dialling Number
- [006] Operator Assignment
- [320] ARS Mode
- [711] Music on Hold

Feature Guide Reference

2.2.3 Tenant Service

TIE Line Service

- [453] DID Destination
- [500] Trunk Group Number

Feature Guide Reference

1.26.1 TIE Line Service

Time Service

- [101] Time Service Switching Mode
- [102] Time Service Starting Time
- [514] Time Service Manual Switching

Feature Guide Reference

2.2.4 Time Service

Toll Restriction (TRS)/Call Barring (Barring)

- [300] TRS/Barring Override by System Speed Dialling
- [301] TRS/Barring Denied Code
- [302] TRS/Barring Exception Code
- [501] TRS/Barring Level
- [509] TRS/Barring Level for System Speed Dialling
- [602] Class of Service

Feature Guide Reference

1.8.1 Toll Restriction (TRS)/Call Barring (Barring)

Trunk Access

- [400] LCOT/BRI Trunk Connection
- [401] LCOT/BRI Trunk Name
- [409] LCOT/BRI Trunk Number Reference
- [500] Trunk Group Number

Feature Guide Reference

1.5.5.3 Trunk Access

Trunk Answer From Any Station (TAFAS)

- [700] External Pager Floating Extension Number

Feature Guide Reference

1.15.3 Trunk Answer From Any Station (TAFAS)

Trunk Call Limitation

- [472] Extension-to-Trunk Call Duration
- [473] Trunk-to-Trunk Call Duration
- [502] Trunk Call Duration Limitation

Feature Guide Reference

1.10.8 Trunk Call Limitation

V

Verification Code Entry

- [120] Verification Code
- [121] Verification Code Name
- [122] Verification Code Personal Identification Number (PIN)
- [123] Verification Code COS Number

Feature Guide Reference

1.8.6 Verification Code Entry

Virtual PS

- [690] PS Registration

Feature Guide Reference

1.21.6 Virtual PS

Voice Mail (VM) Group

- [601] Terminal Device Assignment
- [660] VM Group Floating Extension Number

Feature Guide Reference

1.20.1 Voice Mail (VM) Group

Voice Mail DPT (Digital) Integration

- [201] Transfer Recall Time

Feature Guide Reference

1.20.3 Voice Mail DPT (Digital) Integration

W

Walking COS

- [005] Extension Personal Identification Number (PIN)

Feature Guide Reference

1.8.5 Walking COS

Walking Extension

- [007] DSS Console Paired Telephone

Feature Guide Reference

1.24.3 Walking Extension

Wireless XDP Parallel Mode

- [515] Wireless XDP Parallel Mode for Paired Telephone

Feature Guide Reference

1.21.5 Wireless XDP Parallel Mode

Panasonic Communications Co., Ltd.

1-62, 4-chome, Minoshima, Hakata-ku, Fukuoka 812-8531, Japan

Copyright:

This material is copyrighted by Panasonic Communications Co., Ltd., and may be reproduced for internal use only. All other reproduction, in whole or in part, is prohibited without the written consent of Panasonic Communications Co., Ltd.

© 2006 Panasonic Communications Co., Ltd. All Rights Reserved.