

Section 4

System Programming

4.1 Before System Programming

NOTE:

System data clear should be performed before System Programming.

(☞ 2.21, Starting the System for the First Time)

Default Setting

This system has factory default settings (☞ 5.1, Default Values). If any of the programming needs to be changed, you can change the setting by System Programming. **Default** shows you the factory default setting. Any required changes can be written in the Programming Tables listed in section 7, Programming Tables.

Required Telephone Set

The following display proprietary telephone is required for System Programming.

- KX-T7130

Connect the telephone to the following.

- Port number 01

Before entering the programming mode

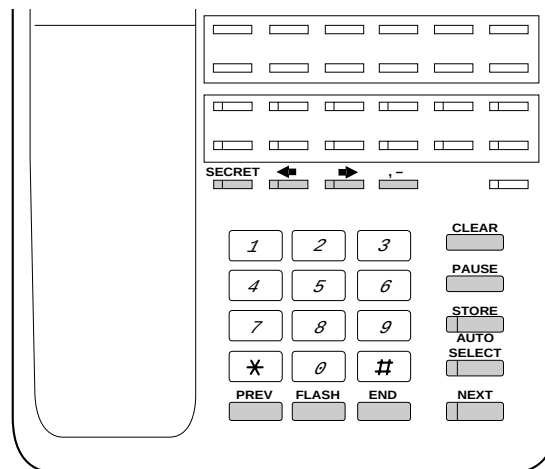
Before entering the programming mode, confirm that:

- Your telephone is on-hook.
- No calls are on hold at your telephone.

Placing the Overlay on a Telephone

A programming overlay is packed with the telephone at the factory. This overlay should be used at all times during programming. The functions of the telephone keys change during programming as shown below.

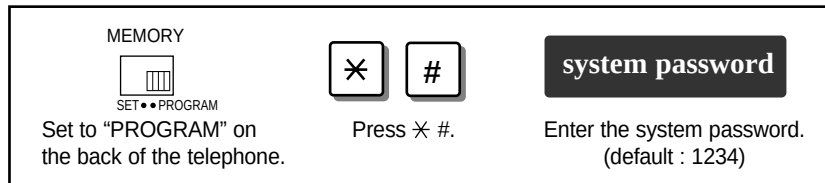
Location of Controls with the Overlay



KX-T7130

4.1 Before System Programming

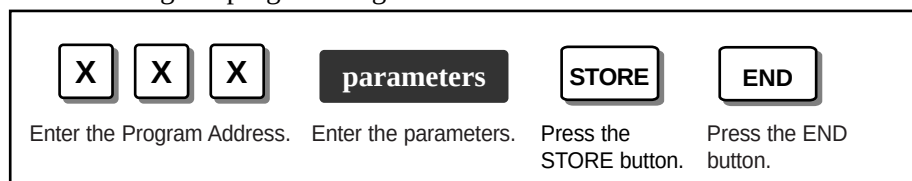
To enter the programming mode



- ! The system password can be changed by program [002] "System Password".
- During the programming mode, your extension is treated as a busy extension.
- If you enter the wrong system password, you will hear an alarm tone (3 beeps). Try again.

Programming sequence

After entering the programming mode



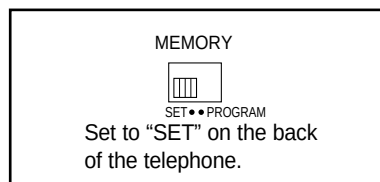
After pressing the STORE button, you will hear one of the following tones.

Confirmation tone (1 beep): This informs you that storing is completed. You can continue programming by entering the same or another program address

(2 beeps): This informs you that the same parameter has already been stored.

Alarm tone (3 beeps): This informs you that the entry is invalid.

To exit the programming mode

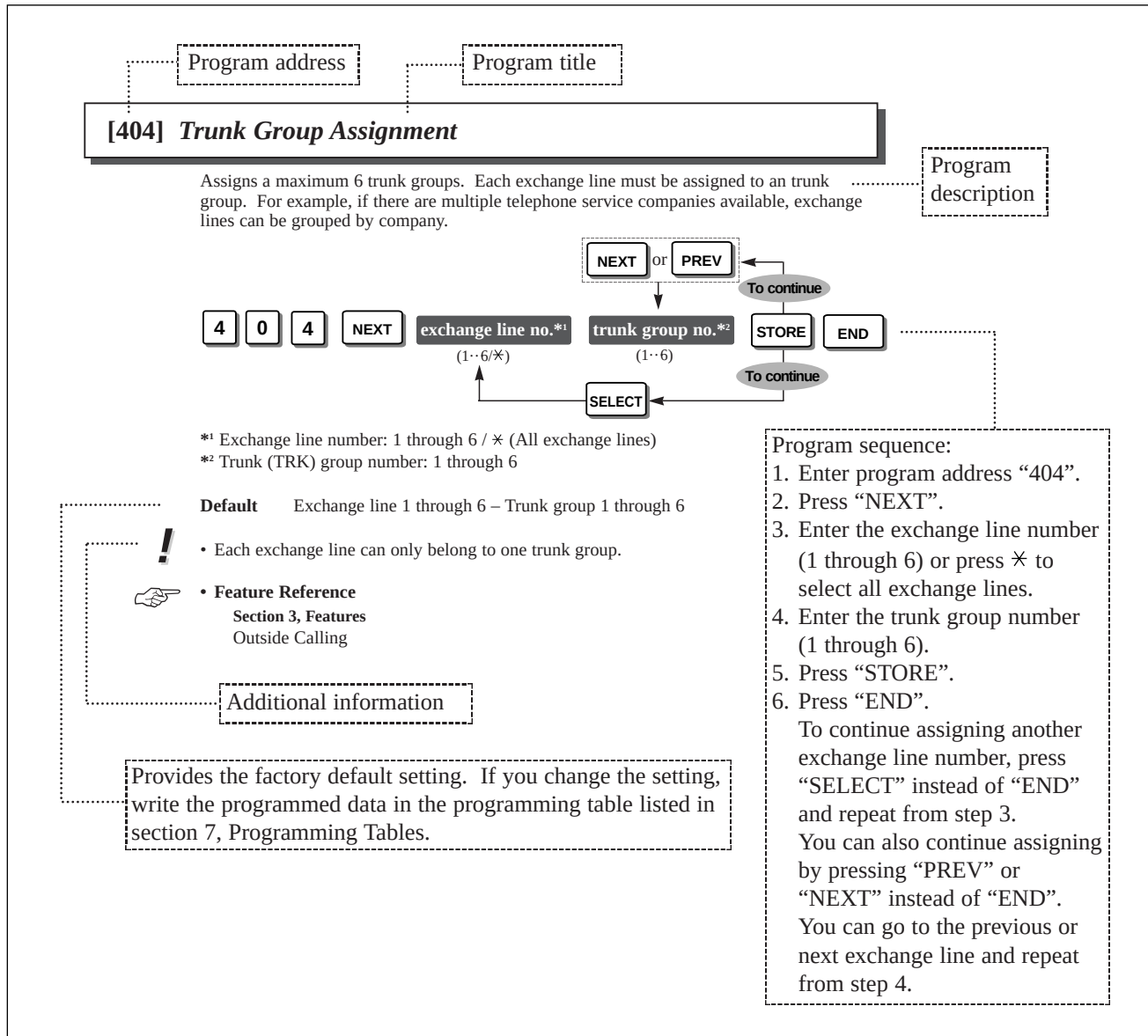


4.1 Before System Programming

Programming example

The following programming instructions assume that you have already entered the programming mode.

Example: Program [404] “Trunk Group Assignment”

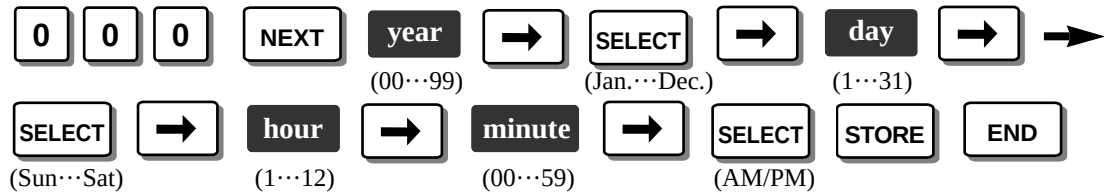


Additional Information

- When you press *, for example in step 3 in program [404], if all exchange lines have been assigned as trunk group 1, “CO * : TRK GRP – 1” will be displayed. If each exchange line has been assigned to a different trunk group, “CO * : Mixed” will be displayed.
- You can press the SELECT button repeatedly to select the desired parameter, if available.
- You can use the or button to move to the next/previous step, if available.

[000] Date and Time Setting

Sets the current date and time.



Default '98 Jan. 1 Thu 12:00 AM

- To return to the previous programming step, press .
- To correct a wrong entry for the year, day, hour or minute, press the CLEAR button and enter the new one in each step.
- After changing an entry, you can press the STORE button. You do not have to perform the rest of the steps.
- The clock starts immediately after the STORE button is pressed.
- The system supports years from 1998 to 2097.



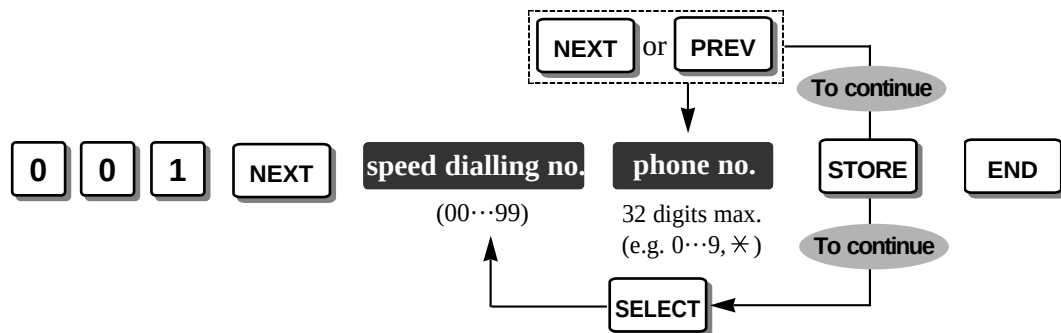
• **Feature References**

Section 3, Features

Date and Time Setting, Station Message Detail Recording (SMDR)

[001] System Speed Dialling Entry

Assigns a maximum of 100 System Speed Dialling numbers. To delete a stored phone number, press the CLEAR and STORE buttons after entering the Speed Dialling number.



Default Not stored.

- To correct a wrong entry, press the CLEAR button and enter the new one.
- A line access number (9 or 0, 81 through 86) should be included before the phone number.

- Up to 32 digits, consisting of “0 through 9”, “*”, “#”, “PAUSE”, “—”, “RECALL” and “ICM (Secret)” can be stored.
- If you are storing an account code assigned in [310] “Account Codes”, enter ** and the account code after a line access number.
- If you want to conceal all or part of a System Speed Dialling number on the display, enter “[” and “]” (press the ICM button) before and after the part you want to conceal. Do not press the ICM button before and after a line access number (9 or 0, 81 through 86) or an account code. “[” and “]” are counted as one digit.
- Press  or  to scroll the display



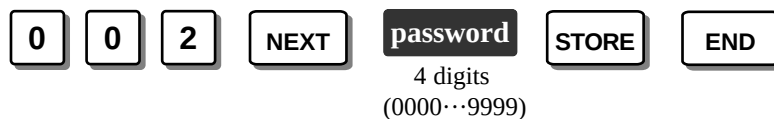
• Feature References

Section 3, Features

Secret Dialling, System Speed Dialling

[002] System Password

Assigns the password required for entering the System Programming mode. Also it is used to set an extension password.



Default 1234



- To correct a wrong entry, press the CLEAR button and enter the new one.



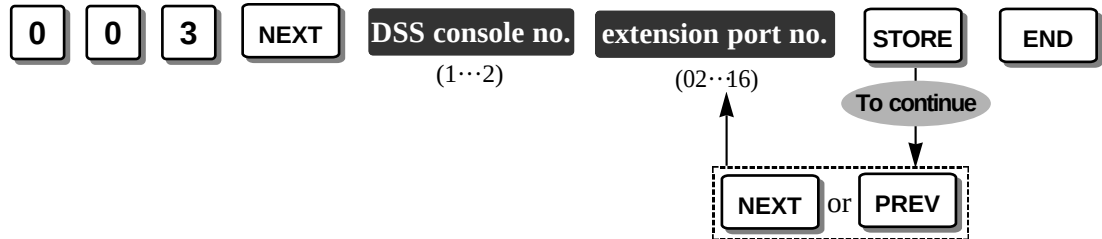
• Feature Reference

Section 3, Features

Extension Password / System Password

[003] DSS Console Port Assignment

Assigns a maximum of 2 port numbers to connect the DSS console(s).



Default All DSS consoles – Disable (Not stored)

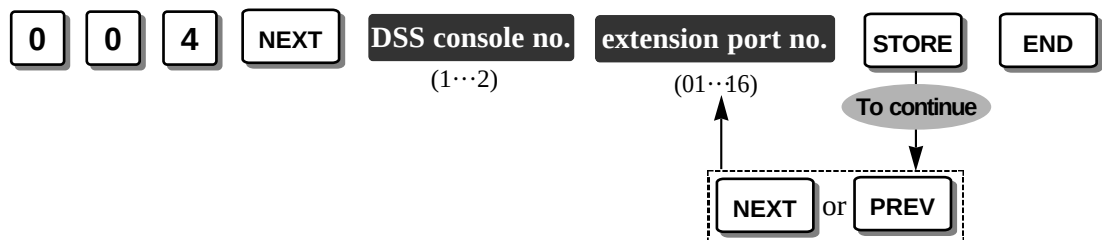
- ! • Two DSS consoles cannot be assigned to the same port number.
- ! • Extension port 01 is the manager extension. So please do not assign extension port 01 as the DSS console port.
- ! • To not assign an extension port number, press the CLEAR button in the extension port number step.
- ! • The extension port number which has already been assigned as a paired telephone in program [004] “Paired Telephone Assignment for DSS Console” is not available in this program.



- **Feature Reference**
Section 3, Features
DSS Console

[004] Paired Telephone Assignment for DSS Console

Assigns a port number for an extension paired with the DSS console.



Default Extension port number paired with DSS console 1 – Disable (Not stored)
Extension port number paired with DSS console 2 – Disable (Not stored)

- ! • A single line telephone (SLT) cannot be paired with the DSS console.
- ! • To not assign an extension port number, press the CLEAR button in the extension port number step.
- ! • The extension port number which has already been assigned as a DSS console in program [003] “DSS Console Port Assignment” is not available in this program.



- **Feature Reference**
Section 3, Features
DSS Console

[005] One-Touch Transfer Using a DSS Button

Selects how an outside call is transferred to any extension using the DSS button.

With Transfer: Press the DSS button to transfer an outside call.

Without Transfer: Press the TRANSFER button then the DSS button to transfer an outside call.



(With Transfer/
Without Transfer)

Default With Transfer



- This program is effective for 2 kinds of DSS buttons. One is on the DSS console, and the other is flexible line key on your proprietary telephone assigned as a DSS button.



- **Operating Instructions References**

- 1.2 Proprietary Telephone Settings, “Customising the Buttons on Your Telephone”,
DSS (Direct Station Selection) Button
- 1.9 DSS Console Features, “Initial Settings”, One-Touch Dialling Assignment

[006] Time (Day/Night/Lunch) Service Changing Mode

Selects changing the day, night and lunch service manually or automatically. For manual changing, refer to the Operating Instructions. For automatic changing, set the next program [007] “Time (Day/Night/Lunch) Service Start Time”.



(Man/Auto)

Default Manual

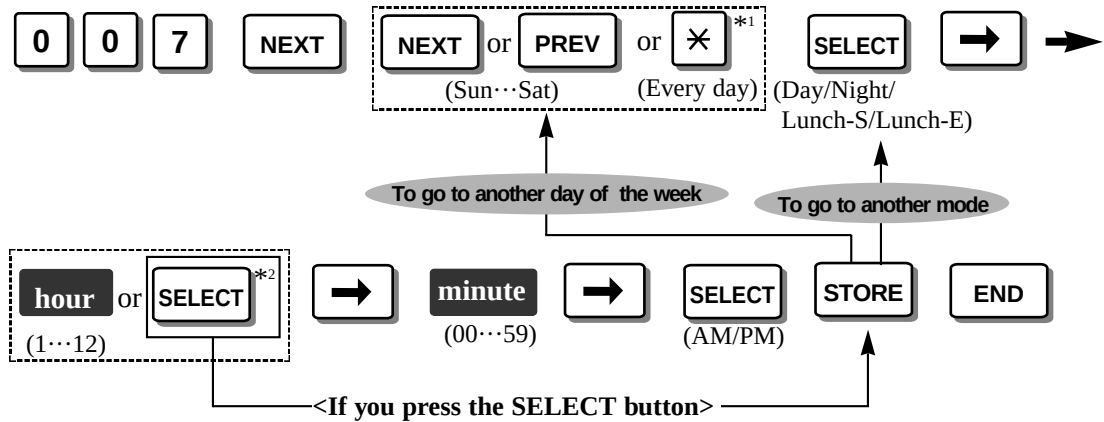


- **Feature Reference**

- Section 3, Features
- Time (Day/Night/Lunch) Service

[007] Time (Day/Night/Lunch) Service Start Time

Sets the starting time on a week day basis, when “Automatic” is selected in program [006] “Time (Day/Night/Lunch) Service Changing Mode”.



*¹ To assign every day of the week to one selection, press the * button.

*² If the SELECT button is pressed, the display will show the previous entry. If the previous setting was “None”, press the SELECT button to enter the starting time. If you do not need to change the time service, keep pressing the SELECT button until “None” is displayed. For example, if Monday’s day mode is set to “None”, the day mode will not be turned on Monday.

Default Everyday – Day – 9:00 AM / Night – 5:30 PM /
Lunch-S (starting) – None / Lunch-E (ending) – None



• **Feature Reference**

Section 3, Features

Time (Day/Night/Lunch) Service

[008] Operator Assignment

Assigns an extension port number for the operator.



Default Jack-01



• **Feature References**

Section 3, Features

Operator / Manager Extension, Operator Call

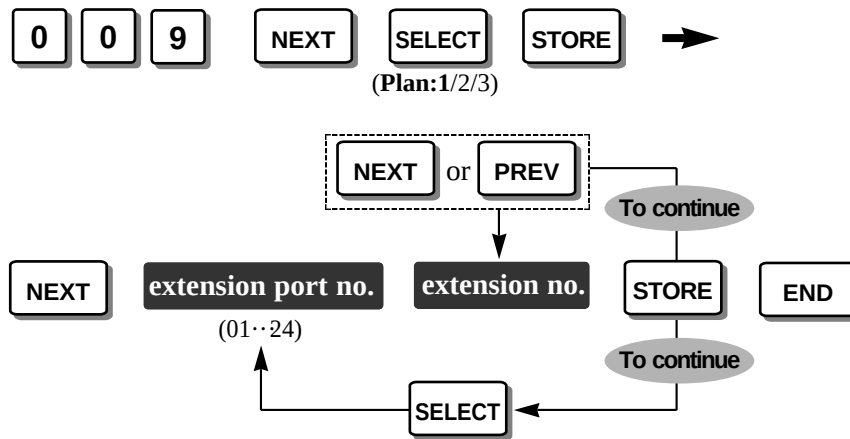
[009] Extension Number Assignment

Selects an extension numbering plan, **Plan 1**, **Plan 2** or **Plan 3**, and assigns an extension number to each extension.

Plan 1: Available extension numbers are 200 through 299.

Plan 2: Available extension numbers are 100 through 499.

Plan 3: Available extension numbers are 10 through 49.



Default Plan 1: extension ports 01 through 24 – extension numbers 201 through 224



- If the selected extension numbering plan is the same as the previously stored one, 2 beeps will be heard.
- If “Plan 2” or “Plan 3” is selected, the default extension numbers will change automatically as follows.
 - Plan 2: extension ports 01 through 24 – extension numbers 201 through 224
 - Plan 3: extension ports 01 through 24 – extension numbers 21 through 44
- If “Plan 2” or “Plan 3” is selected, some feature numbers will also change. Refer to the attached leaflet for details.
- A double entry of the extension number is invalid. If the programmed extension number is the same as a previously stored one, 2 beeps will be heard when the STORE button is pressed. When extension number 203 has already been assigned to port number 03, to assign extension number 203 to the port number 05, change the extension number of port number 03 to another one. Then assign extension number 203 to port number 05.
- If a Voice Processing System (VPS) is connected to the system, select “Plan 1” or “Plan 2” in this program and “Enable” in [103] “DTMF Integration”, so that the DTMF integration between VPS and the system can be enabled.
- If a rotary telephone is used at any extension, select “Plan 1” in this program.



• Feature Reference

Section 3, Features
Intercom Calling

[010] LCD Time Display Selection

Selects how the current time and date will be displayed on a proprietary telephone while idle. Either 12 hour or 24 hour (military time) can be selected.



Display example:

When “12 HOUR” is selected: Jan 1 11:20PM

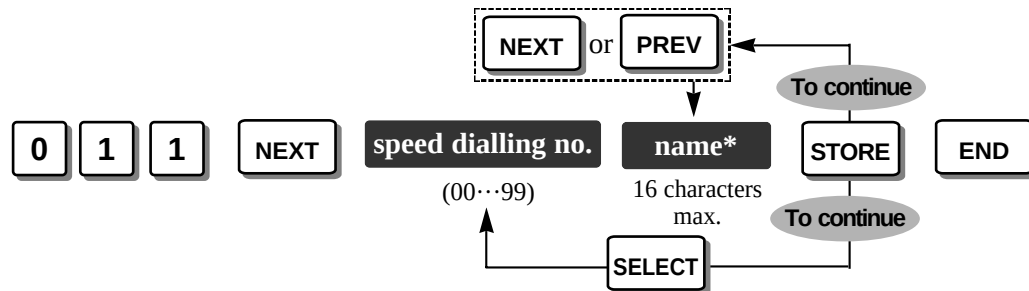
When “24 HOUR” is selected: 1 Jan 23:20

Default 12 HOUR

- !**
- Programs [000] “Date and Time Setting” and [007] “Time (Day/Night/ Lunch) Service Start Time”, and the Timed Reminder feature are assigned using 12-hour time regardless of this program. The SMDR printout is also printed using 12-hour time.

[011] System Speed Dialling Name Setting

Assigns a name to each System Speed Dialling number. The name will be displayed when making a call by using the System Speed Dialling feature. It will also be used for the Caller ID feature.



* Name:
Combination Table

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

<Example>

— To enter “Mike;

1. Press 6 and then press the SELECT button once to enter “M”.
2. Press 4 and then press the SELECT button 6 times to enter “i”.
3. Press 5 and then press the SELECT button 4 times to enter “k”.
4. Press 3 and then press the SELECT button 4 times to enter “e”.

Default All System Speed Dialling numbers – Not stored.



- To erase all letters, press the CLEAR button. To erase 1 letter, press .
- Each name has a maximum of 16 characters.
- Press  to scroll the display to the right side.



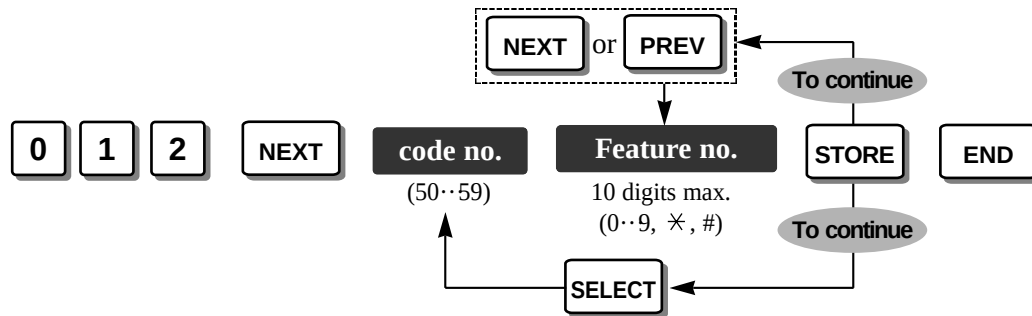
• **Feature References**

Section 3, Features

System Speed Dialling

[012] Alternative Feature Numbering Plan

Replaces any feature number with a code number 50 through 59. This is useful when selecting “Plan 2” or “Plan 3” in program [009] “Extension Number Assignment” as some feature numbers change for Plan 2 and Plan 3 and they might be difficult to remember. (Refer to the attached leaflet “Notice for the Feature Numbers”.) All extension users can dial these assigned codes instead of feature numbers.



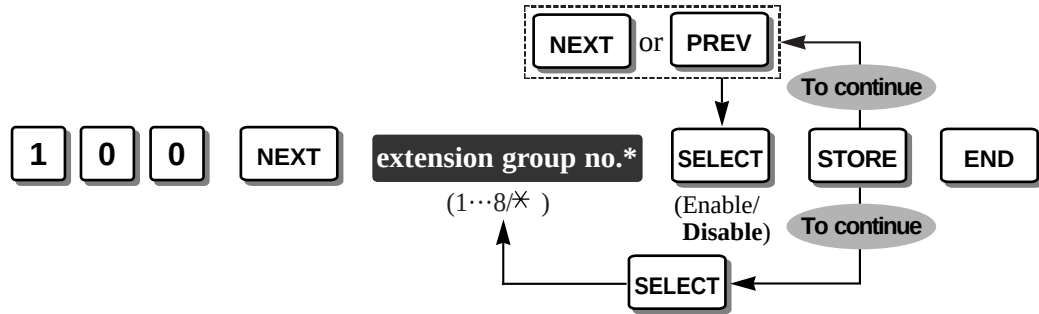
Default All codes – Not stored.



- This is not possible when “Plan 1” has been selected in program [009].

[100] Hunting Group Set

Enables or disables automatically locating an idle extension in the same extension group as the dialled extension, when the called extension is busy. If “Enable” is selected, assign the next program [101] “Hunting Type”. Extension groups are defined in program [600] “Extension Group Assignment”.



* Extension group number: 1 through 8 / ※ (all extension groups)

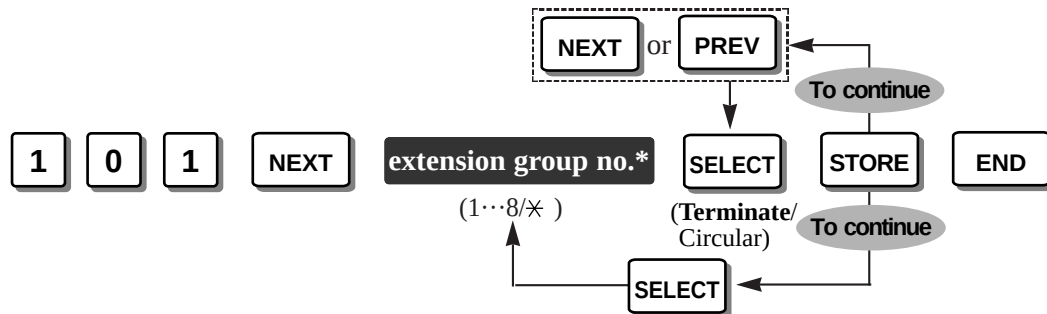
Default All extension groups – Disable



- **Feature Reference**
Section 3, Features
Extension Hunting

[101] Hunting Type

Assigns the hunting type, **Terminate** or **Circular**, to each extension group when a hunting group is enabled in program [100] “Hunting Group Set”.



* Extension group number: 1 through 8 / ※ (all extension groups)

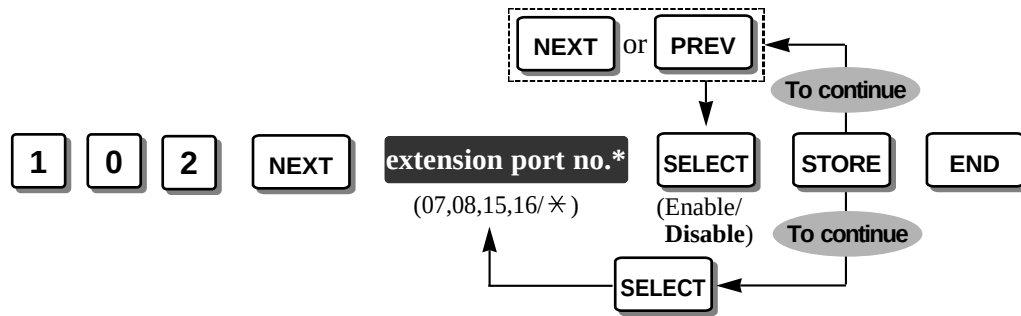
Default All extension groups – Terminate



- **Feature Reference**
Section 3, Features
Extension Hunting

[102] Voice Mail Port for KX-TVP100

Assigns the extension port number(s) connected to a Panasonic Voice Processing System (VPS) equipment (KX-TVP100). Only extension ports 07, 08, 15 and 16 are available.



* Extension port number: 07, 08, 15 and/or 16 / * (All 4 extension ports)

Default All 4 extension ports – Disable



- **Feature Reference**

Section 3, Features

Voice Mail Integration for KX-TVP100

[103] DTMF Integration for KX-TVP100

Enables or disables the system to send codes (DTMF signals) to the extension(s) assigned as the Voice Mail Port in program [102] “Voice Mail Port”. These DTMF signals indicate the state of the call (busy, answered, ringing, disconnected, etc.) in addition to the normal call tones. They also enable the Panasonic Voice Processing System (VPS) equipment (KX-TVP100) to immediately recognise the current state of the call and speed up the call handling.



(Enable/Disable)

Default Disable



- The table on next page describes the codes (DTMF signals), call state and conditions for the DTMF integration operation.
- Select “Plan 1” or “Plan 2” in program [009] “Extension Number Assignment”, and select “Enable” in this program to enable the DTMF integration.
- This feature greatly improves the performance of the Panasonic KX-TVP100: Voice Processing Systems which have been programmed for Inband Signalling. For more information about Inband Signalling, refer to your Voice Processing System manual.



• **Feature Reference**

Section 3, Features

Voice Mail Integration for KX-TVP100

DTMF signals

Code	Call State	Conditions
1	Ringback Tone	When an extension a VPS has dialled is ringing.
2	Busy Tone	When an extension a VPS has dialled is busy.
3	Reorder Tone	When a VPS dials an invalid extension number or when a VPS is accidentally connected to another Voice Mail Port.
4	DND	When an extension a VPS has dialled sets the DND (Do Not Disturb) feature.
5	Answer	When an extension which a VPS has dialled answers the call.
6	Forwarded to Voice Processing System (Ringing)	When a called extension is forwarded to a VPS, the call can be forwarded to another available VPS. In this way, the first VPS, typically an Auto-Attendant, can release the call to another VPS and receive another incoming call.
7	Forwarded to Voice Mail (Busy)	When a called extension is forwarded to a VPS and no VPSs are available to receive the call.
8	Forwarded to Extension	When a called extension is forwarded to another, non-VPS extension.
9	Confirmation Tone	When a VPS has successfully turned a message waiting lamp on or a message waiting lamp off.
#9	Disconnect	When the calling party disconnects.

[104] *Hold Mode Selection*

You can select how to hold a line and transfer a call to another extension with a single line telephone (SLT), **Hold-1**, **Hold-2** or **Hold-3**. If the following occurs frequently with an SLT, select “Hold-2” or “Hold-3”.

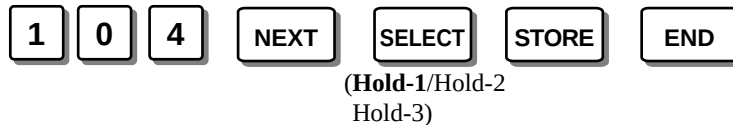
- Nobody answers when a call is received.
- A busy tone is heard even though nobody is using the exchange line.

If a call is not terminated after going on-hook, the above cases occur. To avoid these problems, select “Hold-2” or “Hold-3”. Every call will be terminated unless 50 is dialed after pressing the Recall button in the Hold-2 and Hold-3 modes.

Hold-1: To hold a line or transfer a call, press the Recall button.

Hold-2: To hold a line, press the Recall button and dial 50. To transfer a call, press the Recall button.

Hold-3: To hold a line or transfer a call, press the Recall button and dial 50.



Default Hold-1



- **Feature Reference**
Section 3, Features
Hold

[105] *Conference Tone*

Enables or disables the confirmation tone before starting or ending a conference call established by the Conference feature or Executive Busy Override feature.



Default Enable



- **Feature References**
Section 3, Features
Conference (3-party), Conference (5-party), Executive Busy Override

[106] External Paging Access Tone

Enables or disables the splash tone before paging is sent over the external pager.



Default Enable

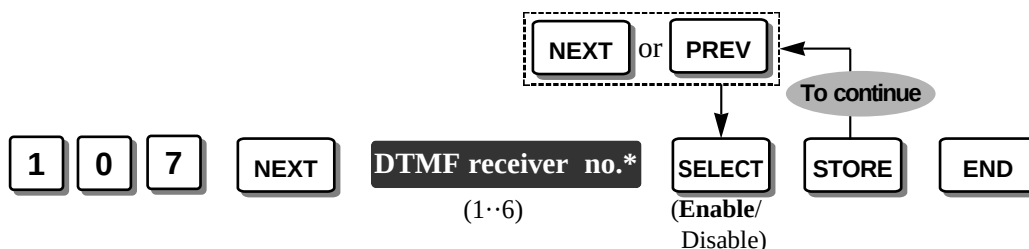


• **Feature Reference**

Section 3, Features
Paging

[107] DTMF Receiver Check

Enables or disables the 6 DTMF receivers to check whether the DTMF receivers are activated normally or not. Refer to the Section 6 Troubleshooting, “While Operating” for further information on checking the DTMF receivers.



* DTMF receiver number: 1 and 2 (for checking extension ports 01 through 08)/
3 and 4 (for checking extension ports 09 through 16)/
5 and 6 (for checking extension ports 17 through 24)

Default All DTMF receivers – Enable

[108] Recall Mode for a Locked Extension

Enables or disables a locked extension to send a recall signal during a conversation with an external party.



Default Disable

[109] *CO Indicator Assignment*

Enables or disables an extension which was assigned not to ring in programs [408]-[410] “Flexible Ringing Assignment” to answer an incoming outside call. The line key indicator will flash when an outside call is received. If enabled, an extension user can answer the call by pressing the flashing line key. If disabled, the user cannot answer the call even if they press the line key.

(Enable/
Disable)

Default Enable



- The extension must be a proprietary telephone with a line key and indicator.

[110] *Recall Key Mode*

Assigns the sending of the recall signal mode, **MODE 1** or **MODE 2**, when the RECALL button on a proprietary telephone is pressed.

MODE 1: The recall signal is sent during the programmed time in [418] “Recall Time”.

MODE 2: The recall signal is sent while the RECALL button is pressed if the time the RECALL button was pressed is more than the programmed time in [418]. This will be useful to disconnect the current call and make another call without hanging up. If the time the RECALL button was pressed is less than the programmed time in [418], the recall signal will be sent during the programmed time.

(MODE1/
MODE2)

Default MODE 1



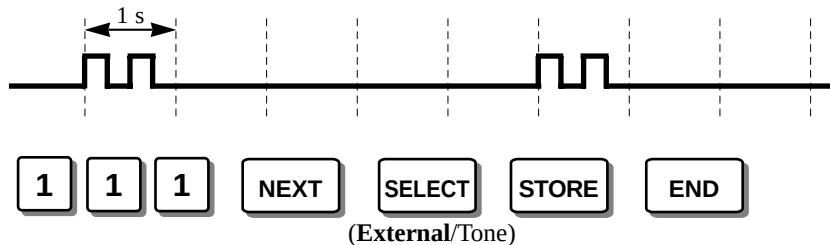
- **Feature Reference**
Section 3, Features
Recall

[111] Hold Music Selection

Selects the music source, **External** or **Tone**, which an external party will hear when an outside call is on hold.

External : Uses an external music source, such as a radio.

Tone : Uses the cyclic tone below equipped with the system.



Default External



- The music source can also be used for BGM.



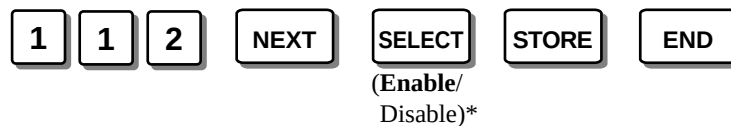
• **Feature Reference**

Section 3, Features

Music on Hold / Background Music (BGM)

[112] DSS Console Indication Mode

Enables or disables the Busy Lamp Field (BLF) on the DSS button to indicate the status, Forward (FWD) or Do Not Disturb (DND), of corresponding extensions.



- * Enable: FWD – Flashing slowly, DND – Flashing moderately
 Disable: FWD – Off, DND – Off

Default Enable



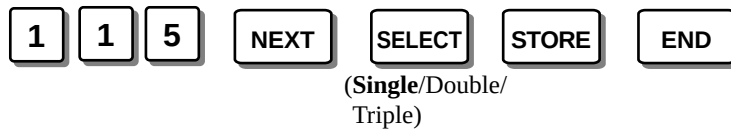
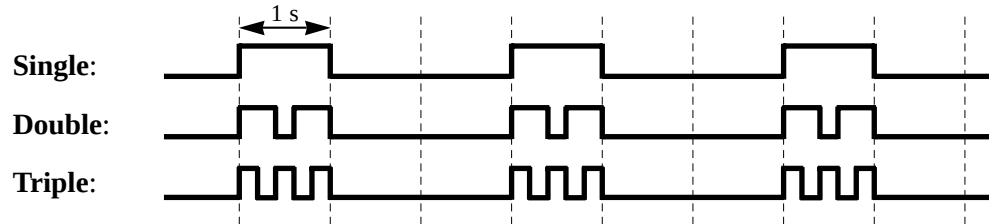
• **Feature Reference**

Section 3, Features

DSS Console

[115] Extension Ringing Pattern Selection

Selects the extension ringing pattern when an intercom call received, either **Single**, **Double** or **Triple**.



Default Single

- The length of the ring cycle for a single line telephone (SLT) is determined in program [124] "SLT Ringing Mode Selection".
- The extension ringback pattern is determined at the same time.



- **Feature Reference**
Section 3, Features
Ringing Pattern Selection

[116] Conference Pattern Selection

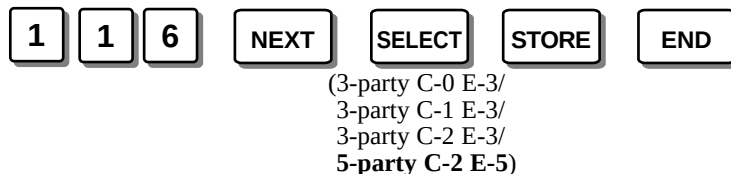
Selects the maximum number of external parties which can attend a conference. The maximum number of conference parties is 5.

3-party C-0 E-3: No external parties can attend a 3-party conference.

3-party C-1 E-3: One external party can attend a 3-party conference.

3-party C-2 E-3: A maximum of 2 external parties can attend a 3-party conference.

5-party C-2 E-5: A maximum of 2 external parties can attend a 5-party conference.



Default 5-party C-2 E-5



- **Feature References**
Section 3, Features
Conference (3-Party), Conference (5-Party)

[117] Call Pickup Tone

Enables or disables the confirmation tone when the Call Pickup feature is activated.

1 **1** **7** **NEXT** **SELECT** **STORE** **END**
(Enable/
Disable)

Default Enable



- **Feature Reference**
Section 3, Features
Call Pickup

[118] Pulse Restriction

Enables or disables sending pulse dialling to the Local Exchange during a conversation with an external party when “Pulse Mode” or “Call Block Mode” is selected in program [401] “Dial Mode”.

1 **1** **8** **NEXT** **SELECT** **STORE** **END**
(Enable/
Disable)

Default Enable

[119] Redialling after Pulse to Tone Conversion

Enables or disables sending tone dialling to the Local Exchange when an extension user redials after changing the pulse mode into tone mode by pressing * and #.

1 **1** **9** **NEXT** **SELECT** **STORE** **END**
(Enable/
Disable)

Default Disable



- **Feature Reference**
Section 3, Features
Pulse to Tone Conversion

[120] *Bell Frequency*

Selects the bell frequency sent to a single line telephone (SLT).

1 **2** **0** **NEXT** **SELECT** **STORE** **END**
(20/25 Hz)

Default 25 Hz

[121] *Automatic Exchange Line Access Number Selection*

Selects the Automatic Exchange Line Access number (0 or 9).

1 **2** **1** **NEXT** **SELECT** **STORE** **END**
(Dial 0/Dial 9)

Default Dial 9



- If you select “0”, the operator call will automatically be “9”. If you select “9”, the operator call will automatically be “0”



- **Feature References**

Section 3, Features

Automatic Exchange Line Access Number, Operator Call

[122] *Automatic Rotation for Exchange Line Access*

Enables or disables the rotation of exchange lines seized for “Automatic Exchange Line Access”.

1 **2** **2** **NEXT** **SELECT** **STORE** **END**
(Enable
Disable)

Default Disable (Does not rotate.)



- **Feature Reference**

Section 3, Features

Automatic Exchange Line Access Number

[123] Break Ratio

Selects the pulse break rate, **MODE1** or **MODE 2**, when a Pulse is sent to the Local Exchange during a conversation.

MODE 1: 66 %

MODE 2: 60 %

1	2	3	NEXT	SELECT	STORE	END
---	---	---	------	--------	-------	-----

(**MODE1**/
MODE2)

Default **MODE 1**

[124] SLT Ringing Mode Selection

Selects the length of the ring cycle for a single line telephone (SLT).

MODE 1: 5 second cycle

MODE 2: 3 second cycle

1	2	4	NEXT	SELECT	STORE	END
---	---	---	------	--------	-------	-----

(**MODE1**/
MODE2)

Default **MODE 2**

[125] Call Barring Check for * and #

Assigns whether the entered “*” and “#” are checked by call barring or not. This assignment is required for certain Local Exchanges to prevent toll fraud. Some Central Offices ignore the user-dialled “*” and “#”. If your Local Exchange ignores these symbols, select “Disable”.

1	2	5	NEXT	SELECT	STORE	END
---	---	---	------	--------	-------	-----

(**Enable**/
Disable)

Default **Enable**



• **Feature Reference**

Section 3, Features

Call Barring

[126] DSS Off-Hook Mode

Enables or disables making an intercom call just by pressing a DSS button on a DSS Console. If enabled, going off-hook is not needed.



Default Enable



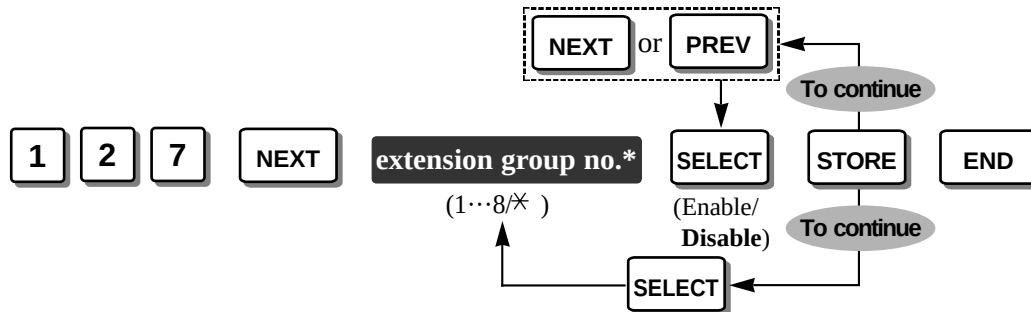
- This assignment is also effective for a flexible line key on a proprietary telephone assigned as a DSS button.



- **Feature Reference**
Section 3, Features
Intercom Calling

[127] Pickup Group Set

Enables or disables the ability of an extension to pickup a call ringing at another extension (if it is in the same extension group) by just going off-hook. If enabled, the feature number (40) is not needed to pickup the call.



* Extension group number: 1 through 8 / * (all extension groups)

Default All extension groups – Disable (the feature number (40) is required to pickup the call)



- To prevent other extensions in the same extension group from picking up outside calls by just going off-hook, select “Disable” in program [109] “CO Indicator Assignment”. Then even though “Enable” is selected in this program [127], outside calls cannot be picked up by others by just going off-hook.



- **Feature Reference**
Section 3, Features
Call Pickup

[200] Hold Recall Time

Assigns the length of the hold recall timer. Hold recall (a ring tone or an alarm tone) is heard when the timer expires. If hold recall is not required, select “Disable”.

2 **0** **0** **NEXT** **SELECT** **STORE** **END**

(30 sec/
1/1.5/2/3/4/5/6 min/
Disable)

Default 30 seconds



- **Feature References**
Section 3, Features
Call Park, Hold

[201] Transfer Recall Time

Assigns the length of the transfer recall timer. If a transferred call is not answered within the programmed time, the call will be returned to the original caller.

2 **0** **1** **NEXT** **SELECT** **STORE** **END**

(15/30 sec/
1/2 min)

Default 30 seconds



- **Feature Reference**
Section 3, Features
Call Transfer – to Extension

[202] *Call Forwarding Start Time*

Assigns time for the Call Forwarding – No Answer feature. If a call is not answered within the programmed time, the call will be forwarded to the destination.

2 **0** **2** **NEXT** **SELECT** **STORE** **END**
(5/10/15/20
sec delay)

Default 15 seconds delay



- **Feature Reference**
Section 3, Features
Call Forwarding

[203] *Pickup Dial Delay Time*

Assigns the length of time for the Pickup Dialling feature. If the telephone user lifts the handset, the programmed party is called automatically when the timer expires. This delay gives the user an opportunity to enter numbers before automatic dialling occurs.

2 **0** **3** **NEXT** **SELECT** **STORE** **END**
(1/2/3/4 sec)

Default 3 seconds



- **Feature Reference**
Section 3, Features
Pickup Dialling

[204] Call Duration Count Start Time

Assigns the start time of a conversation either immediately after an exchange line is seized or after dialling. This corresponds to the length of the conversation displayed on the LCD and printed on the printer (SMDR).

2 **0** **4** **NEXT** **SELECT** **STORE** **END**

(5/**10**/15/20/25/30/
35/40/45/50 sec after
dial/Instantly)

Default 10 seconds after dialling



- If reverse signal detection is enabled in program [424] “Reverse (Polarity) Circuit Assignment”, the system will automatically start the timer immediately after an external party answers a call.



- **Feature References**

Section 3, Features

Polarity Reverse Detection, Station Message Detail Recording (SMDR)

[206] Dialling Start Time

Assigns the minimum length of the pause time the system waits before dialling after seizing an exchange line.

2 **0** **6** **NEXT** **SELECT** **STORE** **END**

(**0**/250/500/750/
1000/1250/1500 ms)

Default 0 millisecond



- **Feature Reference**

Section 3, Features

Outside Calling

[207] Recall Timing Range Selection

Sets the hookswitch recall time range sent from an extension to the system.

MODE 1: 50 to 180 milliseconds.

MODE 2: 80 to 180 milliseconds.

MODE 3: 80 to 650 milliseconds.

MODE 4: 80 to 1000 milliseconds.

MODE 5: 200 to 1000 milliseconds.

2	0	7	NEXT	SELECT	STORE	END
---	---	---	------	--------	-------	-----

(MODE1/MODE2/
MODE3/MODE4/
MODE5)

Default MODE 1



• **Feature Reference**

Section 3, Features

Recall Button on a Single Line Telephone

[208] Interdigit Time

Assigns the maximum time allowed between digits for an outgoing outside call.

2	0	8	NEXT	SELECT	STORE	END
---	---	---	------	--------	-------	-----

(5/10/15/20 sec)

Default 20 seconds



- The interdigit timer applies until the call barring check is completed. When the timer expires, an outgoing outside call will be disconnected while dialling, if “Enable” was selected in program [211] “No Dial Disconnection”.
- For a single line telephone, an outgoing outside call will be released from a DTMF receiver when the interdigit timer expires.



• **Feature Reference**

Section 3, Features

Call Barring

[210] *DTMF Time*

Assigns the minimum duration of a DTMF signal sent to an exchange line which is set to the DTMF mode in program [401] “Dial Mode”.

MODE 1: 80 milliseconds

MODE 2: 160 milliseconds

2	1	0	NEXT	SELECT	STORE	END
---	---	---	------	--------	-------	-----

(MODE1/
MODE2)

Default MODE 1

[211] *No Dial Disconnection*

Enables or disables disconnecting an exchange line if an extension user does not dial anything within 20 seconds after an exchange line is seized.

2	1	1	NEXT	SELECT	STORE	END
---	---	---	------	--------	-------	-----

(Enable/
Disable)

Default Enable (Disconnect)



- The interdigit timer assigned in program [208] “Interdigit Time” applies until the call barring check is completed. When the timer expires, an outgoing outside call will be disconnected while dialling, if “Enable” was selected in this program.



- **Feature Reference**
 Section 3, Features
 Call Barring

[212] *Exchange Line Duration Time Limit*

Sets the maximum time allowed for a conversation with an external party. This program is effective for the extension(s) which assigned “Enable” in program [613] “Exchange Line Duration Time Limit Selection”.

(1..32 minutes)

Default 10 minutes



- A beep sounds at 5-second intervals 15 seconds before the programmed time expires.
- This program is effective only for an outgoing outside call.
- When making a call after an exchange line is seized and transferred to the enabled extension in program [613] by another extension, the timer starts after the call has been transferred.



- **Feature Reference**
 Section 3, Features
 Limited Call Duration

[213] *Bell Off Detection*

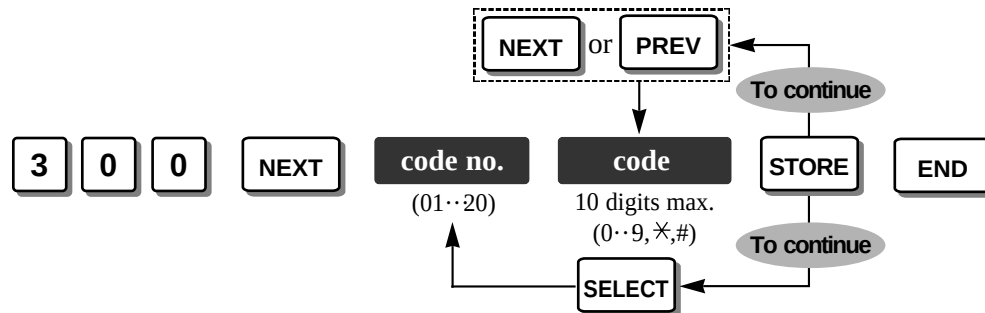
Sets the maximum time between detecting one bell signal and the next from the Local Exchange. In case the next bell signal is not detected within the programmed time, the system recognises the bell signal has stopped.

(3/6/12 sec)

Default 3 seconds

[300] Carrier Excepted Code Assignment

Assigns up to 20 carrier excepted codes, for example, Per Call Block code (* 141). The system disregards the assigned code, and call barring and ARS are applied to the numbers after the code.

**Example:**

Code no. 01: * 141

Dialling number: * 141 01633 877 467

disregarded applied to the call barring and ARS

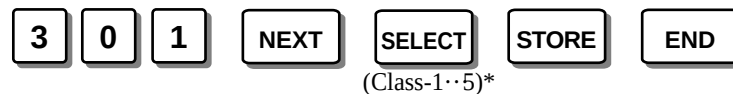
Default All codes – Not stored.



- “x” (press the PAUSE button) substitutes any number (= wild card).
- To correct a wrong entry, press the CLEAR button and enter the new one.

[301] Call Barring – System Speed Dialling Boundary Class

Assigns the call barring class for System Speed Dialling numbers. System Speed Dialling numbers can be assigned in program [001] “System Speed Dialling Entry”.



* Boundary Class: 1 through 5

Default Boundary Class -1

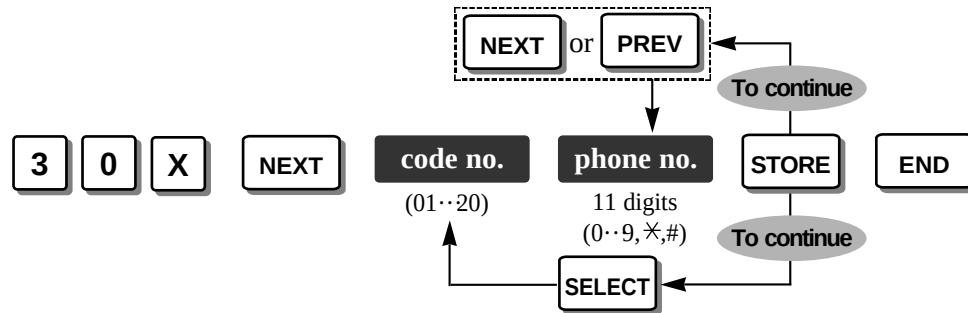
**• Feature Reference**

Section 3, Features

Call Barring for System Speed Dialling

[302]-[305] Call Barring – Classes 2 through 5 Denied Codes

Assigns up to 20 toll call numbers which are restricted to make outside calls on a class of service (COS) basis for each program.



X – Program address selection number: 2 ([302] for Class 2) / 3 ([303] for Class 3) / 4 ([304] for Class 4) / 5 ([305] for Class 5)

Default All codes – Not stored.



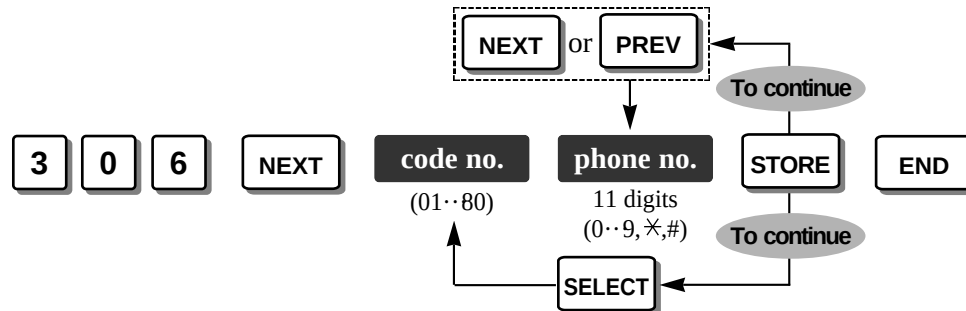
- “x” (press the PAUSE button) substitutes any number (= wild card).
- Each phone number should consist of 11 digits.
- To correct a wrong entry, press the CLEAR button and enter the new one.



- **Feature Reference**
Section 3, Features
Call Barring

[306] Call Barring – Exception Codes

Assigns up to 80 exception numbers which are allowed to make outside calls on a class of service (COS) basis even when denied codes are programmed in [302]-[305] “Call Barring – Classes 2 through 5 Denied Codes”.



Default All codes – Not stored.



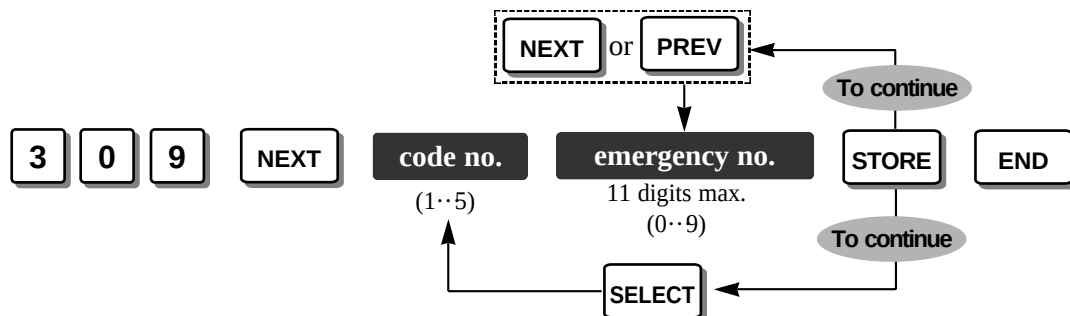
- “x” (press the PAUSE button) substitutes any number (= wild card).
- Each phone number should consist of 11 digits.
- To correct a wrong entry, press the CLEAR button and enter the new one.



- **Feature Reference**
Section 3, Features
Call Barring

[309] Emergency Dial Number Set

Assigns up to 5 emergency numbers, for example, a police station or fire station. Calls with these numbers are free from restrictions, for example, call barring, Account Code – Forced/Verify–All mode and Electronic Extension Lock.



Default Code-01 = 999, Code-02 = 112, Other codes = Not stored.



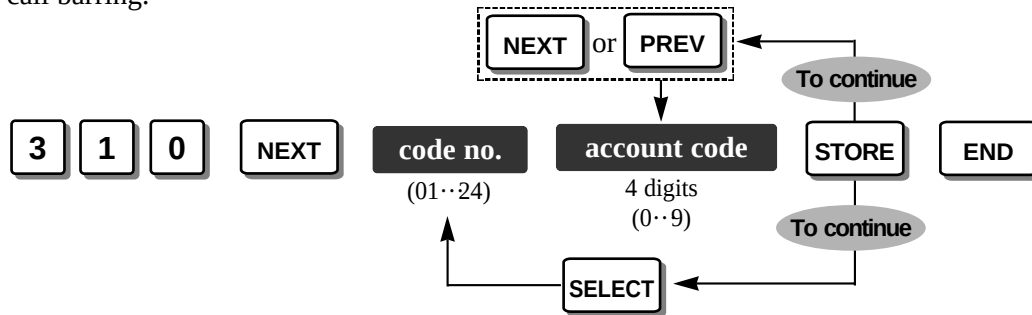
- To correct a wrong entry, press the CLEAR button and enter the new one.



- **Feature References**
Section 3, Features
Emergency Call, Call Barring

[310] Account Codes

Assigns up to 24 account codes which are compared with the code entered when “Verify-All” or “Verify-Toll (Call Barring)” is selected in program [605] “Account Code Entry Mode”. If “Verify-All” is selected, an account code is required to make an outside call. If “Verify-Toll (Call Barring)” is selected, an account code is only required to override call barring.



Default All codes – Not stored.



- To correct a wrong entry, press the CLEAR button and enter the new one.



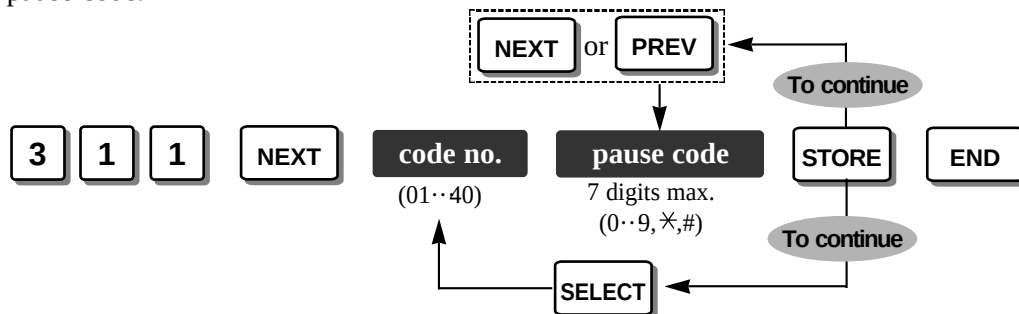
• **Feature References**

Section 3, Features

Account Code Entry, Call Barring Override by Account Codes

[311] Automatic Pause Insertion Codes

Assigns up to 40 automatic pause insertion codes which are checked with the outside outgoing call number. When one of the codes is the same as the call number, the pause time assigned in program [417] “Pause Time” is automatically inserted after the code. If a second dial tone is sent from your Local Exchange, it is convenient to assign the area code as the pause code.



Default All codes – Not stored.



- To correct a wrong entry, press the CLEAR button and enter the new one.

[312] Call Barring – Extension Lock Boundary Class

Assigns the Call Barring class for an extension which has set the Electronic Extension Lockout or Remote Extension Lock Control.

3 **1** **2** **NEXT** **SELECT** **STORE** **END**
(Disable/
COS-2..5)*

* Boundary COS: 2 through 5 / Disable (Disables all outside outgoing calls.)

Default Disable



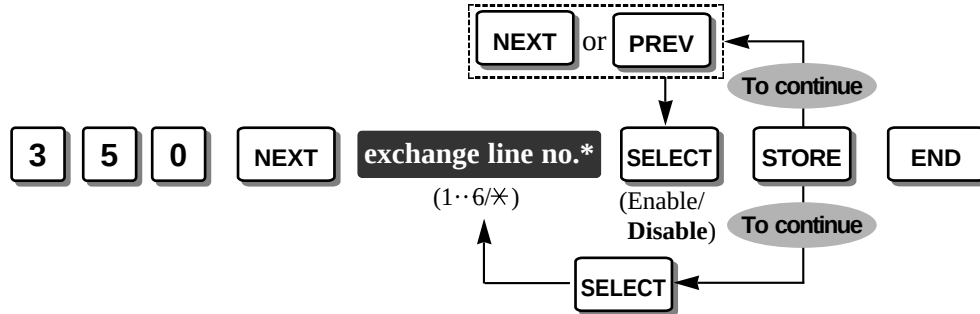
• **Feature Reference**

Section 3, Features

Call Barring – Extension Lock Boundary Class

[350] ARS Selection

Enables or disables the ARS feature for each exchange line.



* Exchange line number: 1 through 6 / * (All exchange lines)

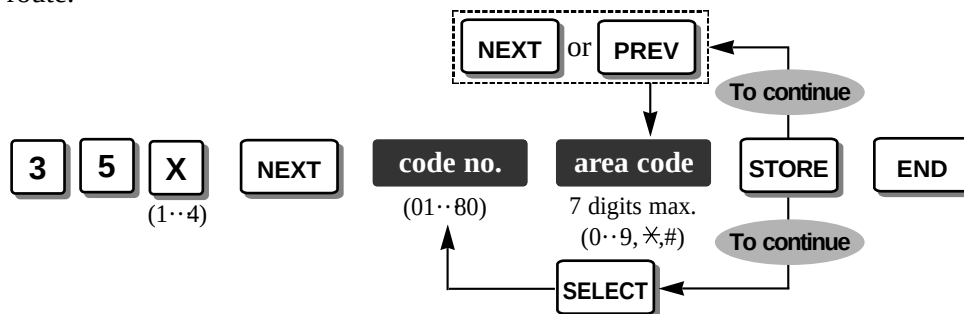
Default All exchange lines – Disable



- **Feature Reference**
Section 3, Features
Automatic Route Selection (ARS)

[351]-[354] Routes 1 through 4 Selection Codes (Leading Digits)

Assigns up to 80 area codes for outside calls which are applied to the ARS feature for each route.



X – Program address selection number: 1 ([351] for Route 1) / 2 ([352] for Route 2) / 3 ([353] for Route 3) / 4 ([354] for Route 4)

Default All codes – Not stored.



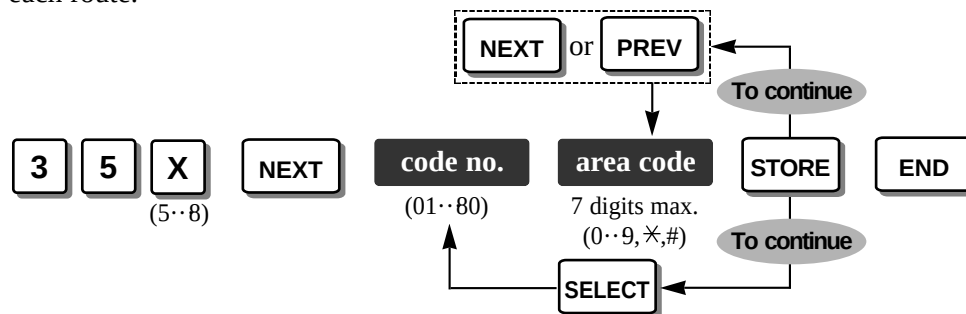
- “x” (press the PAUSE button) substitutes any number (= wild card).
- To correct a wrong entry, press the CLEAR button and enter the new one.



- **Feature Reference**
Section 3, Features
Automatic Route Selection (ARS)

[355]-[358] Routes 1 through 4 Exception Codes

Assigns up to 80 area codes for outside calls which are not applied to the ARS feature for each route.



X – Program address selection number: 5 ([355] for Route 1) / 6 ([356] for Route 2) / 7 ([357] for Route 3) / 8 ([358] for Route 4)

Default All codes – Not stored.



- “x” (press the PAUSE button) substitutes any number (= wild card).
- To correct a wrong entry, press the CLEAR button and enter the new one.



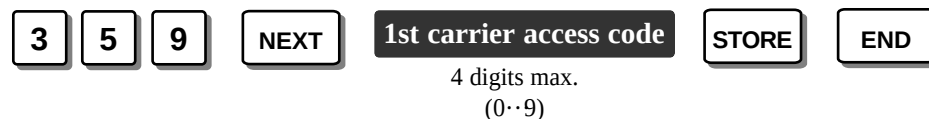
• **Feature Reference**

Section 3, Features

Automatic Route Selection (ARS)

[359] 1st Carrier Selection Code (BT Line Access Code)

Assigns the first carrier access code. When the code is dialled, the first carrier is always selected even if the ARS feature is enabled.



Default 121 (British Telecom Line access code)



- To correct a wrong entry, press the CLEAR button and enter the new one.



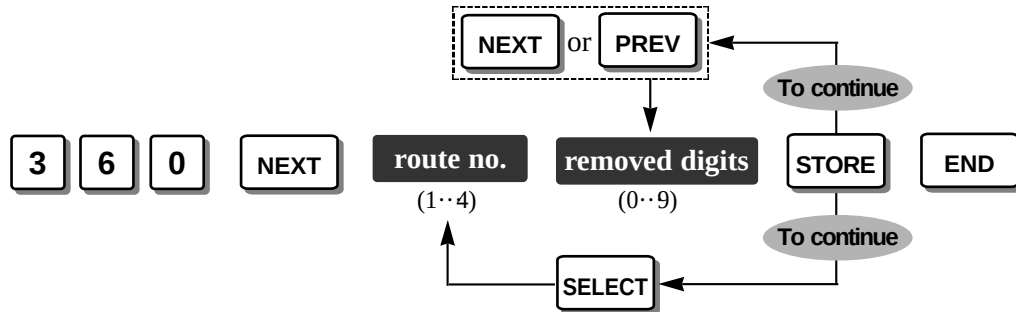
• **Feature Reference**

Section 3, Features

Automatic Route Selection (ARS)

[360] ARS Modification – Removed Digits

Determines how the dialled number applied to the ARS feature should be modified before sending to the exchange line for each route. The digits are deleted from the beginning of the dialled number.



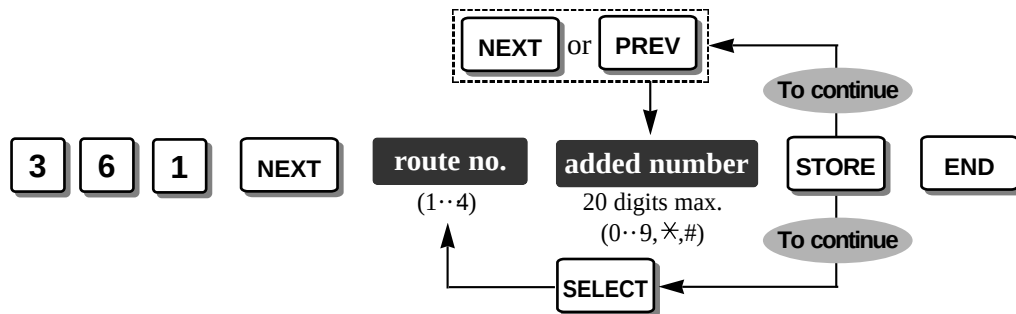
Default All routes – 0 (No deletion)



- **Feature Reference**
Section 3, Features
Automatic Route Selection (ARS)

[361] ARS Modification – Added Number

Determines how the dialled number applied to the ARS feature should be modified before sending to the exchange line for each route. Numbers are added to the beginning of the dialled number. Numbers can be carrier codes, etc.



Default Route 1 = 131, Other routes = Not stored.



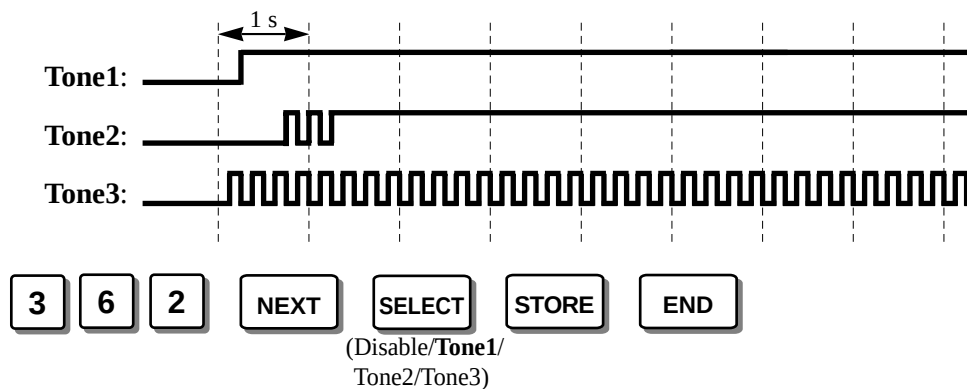
- To correct a wrong entry, press the CLEAR button and enter the new one.
- Press  to scroll the display to the right side.
- The assigned numbers will be added to the dialled number after deleting the digits programmed in [360] “ARS Modification — Removed Digits”.



- **Feature Reference**
Section 3, Features
Automatic Route Selection (ARS)

[362] ARS Dial Tone Pattern Selection

Selects the dial tone pattern, **Disable** (no tone), **Tone1**, **Tone2** or **Tone3**, generated after seizing an ARS exchange line. The ARS feature is enabled on an exchange line basis in program [350] “ARS Selection”. The tone will stop after the first digit (except for an account code) is dialed.



Default Tone1



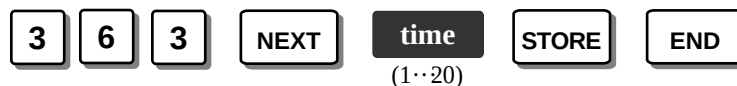
- **Feature Reference**

Section 3, Features

Automatic Route Selection (ARS)

[363] ARS Interdigit Time

Assigns the interdigit timer (in seconds) used while the system is checking the dialled number for the ARS feature.



Default 5 seconds



- This assignment should be the same as the interdigit timer assigned in program [208] “Interdigit Time”.



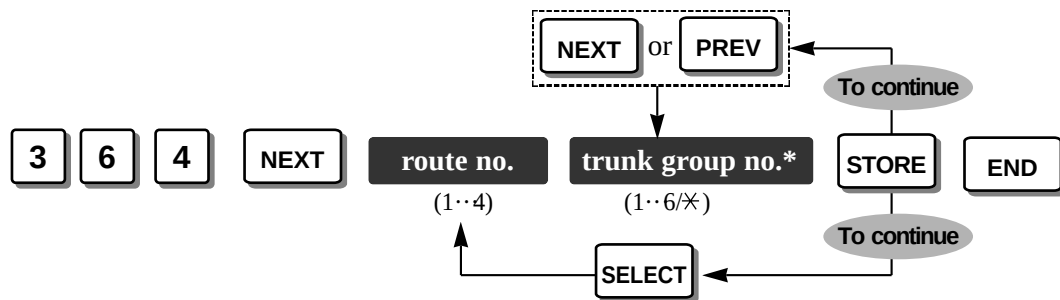
- **Feature Reference**

Section 3, Features

Automatic Route Selection (ARS)

[364] ARS Trunk Group

Assigns trunk group(s) for each ARS route number. Trunk groups are assigned in program [404] “Trunk Group Assignment”. An exchange line in the assigned trunk group(s) is automatically seized when making an outside call using the Automatic Exchange Line Access number (9 or 0), and the dialed number is applied to one of the ARS route numbers.



* Trunk (TRK) group number: 1 through 6 / * (All trunk (TRK) groups)

Default All routes – * (All trunk (TRK) groups)

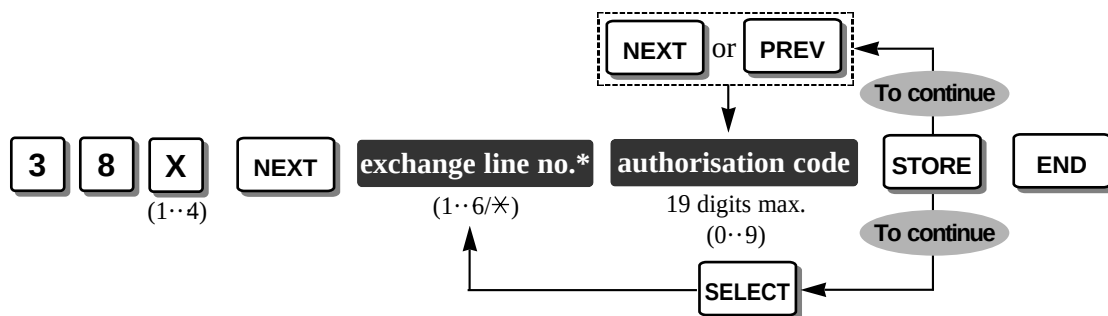
! • Programs [351]-[354] “Routes 1 through 4 Selection Codes (Leading Digits)” should be considered when assigning this program.



• **Feature Reference**
 Section 3, Features
 Automatic Route Selection (ARS)

[381]-[384] Routes 1 through 4 Authorisation Codes

Registers an authorisation code applied to the exchange line(s).



X – Program address selection number: 1 ([351] for Route 1) / 2 ([352] for Route 2) / 3 ([353] for Route 3) / 4 ([354] for Route 4)

***** Exchange line number: 1 through 6 / * (All exchange lines)

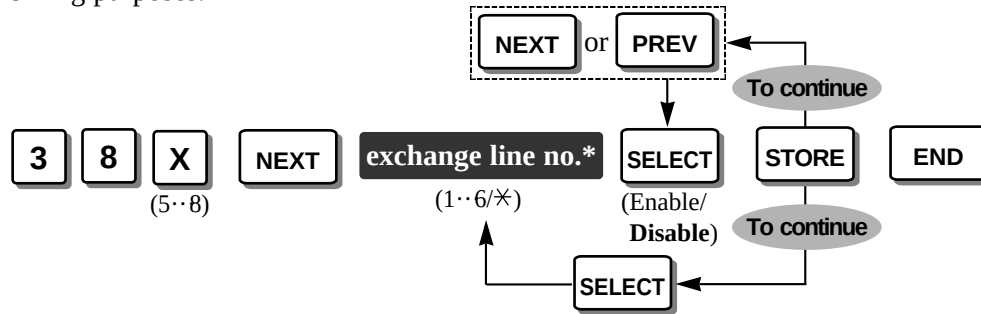
Default All exchange lines – Not stored.



- The registered codes are not shown on the display of a proprietary telephone and printout by program [804] “System Data Dump” after programming. “Already Set” will be shown instead of the registered codes.

[385]-[388] Routes 1 through 4 Itemised Bill

Enables or disables to add an extension number assigned in program [389] “Itemised Bill Code Assignment” after the authorisation code for an exchange line(s). This is useful for billing purposes.



X – Program address selection number: 5 ([385] for Route 1) / 2 ([386] for Route 2) / 3 ([387] for Route 3) / 4 ([388] for Route 4)

* Exchange line number: 1 through 6 / * (All exchange lines)

Default All exchange lines – Disable



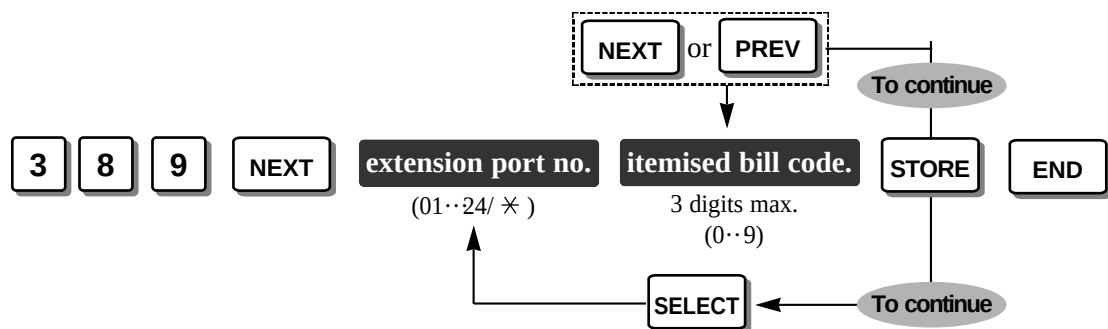
• **Feature Reference**

Section 3, Features

Automatic Route Selection (ARS)

[389] Itemised Bill Code Assignment

Assigns the itemised bill code for each extension for dividing a bill.



* Extension port number: 01 through 16 / * (All extension ports)

Default Extension ports 01 through 24 – 201 through 224



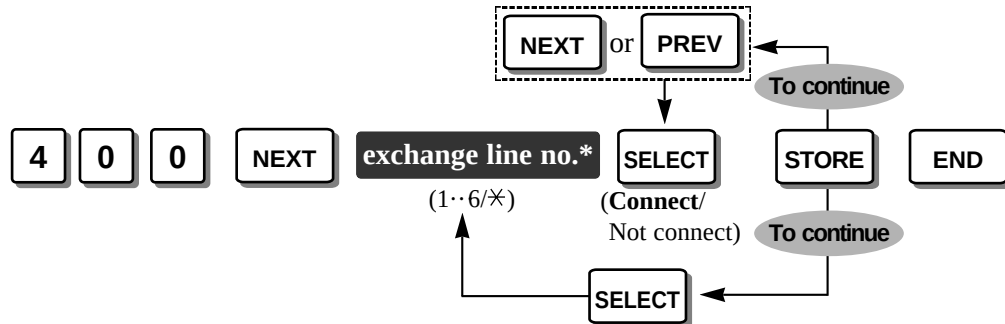
• **Feature Reference**

Section 3, Features

Automatic Route Selection (ARS)

[400] Exchange Line Connection Assignment

Assigns which exchange line(s) is connected to the system or not.



* Exchange line number: 1 through 6 / * (All exchange lines)

Default All exchange lines – Connect



- **Feature Reference**
Section 3, Features
Outside Calling

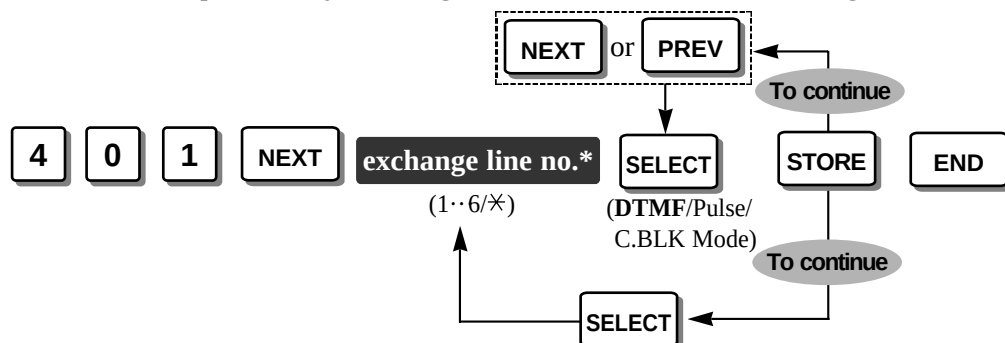
[401] Dial Mode

Selects the dialling mode, **DTMF**, **Pulse** or **C. BLK** (Call Blocking), for each exchange line.

DTMF: The dialling signals from an extension, either Tone or Pulse, are converted to Tone and transmitted to the Local Exchange. If the system is connected directly to the Local Exchange or installed behind a host PBX, which receives both Tone and Pulse, select this mode.

Pulse: The dialling signals from an extension, either Tone or Pulse, are converted to Pulse and transmitted to the Local Exchange.

C. BLK: If your Local Exchange can receive both DTMF and Pulse signals but the user are contracted for Pulse, select this mode. When dialling with a touch tone telephone, only Pulse signals are sent to the Local Exchange.



* Exchange line number: 1 through 6 / * (All exchange lines)

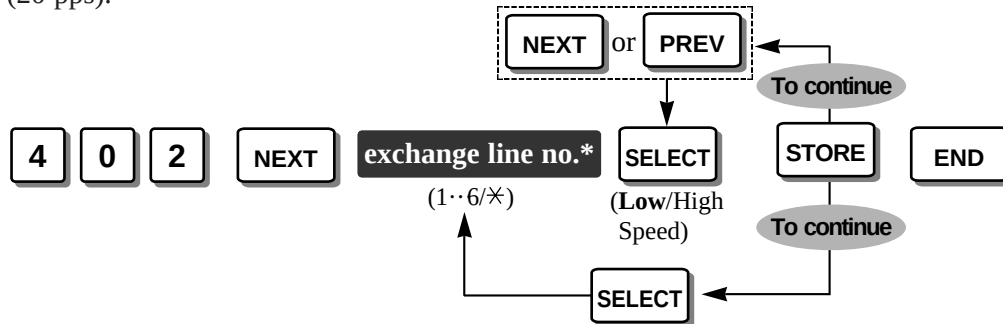
Default All exchange lines – DTMF Mode



- **Feature Reference**
Section 3, Features
Pulse to Tone Conversion

[402] Pulse Speed Selection

Selects a pulse rate for each exchange line which sets “Pulse Mode” or “Call block Mode” in program [401] “Dial Mode”. There are 2 pulse rates, **Low Speed** (10 pps) and **High Speed** (20 pps).

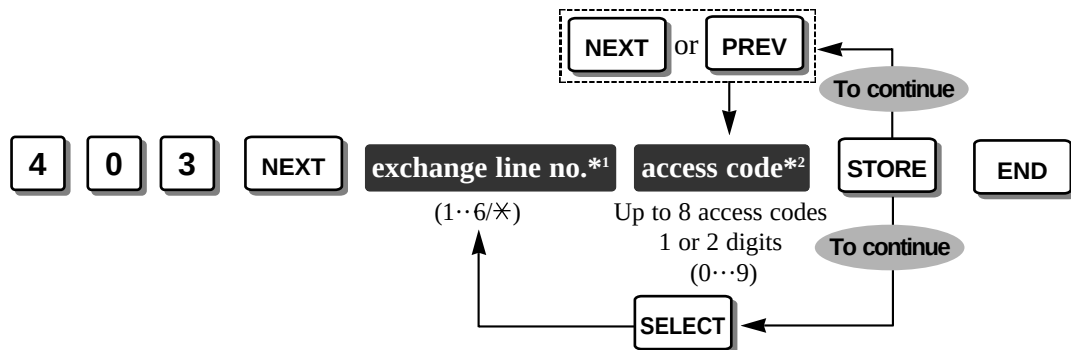


* Exchange line number: 1 through 6 / * (All exchange lines)

Default All exchange lines – Low Speed

[403] Host PBX Access Codes

If the system is installed behind a host PBX, each exchange line may require an access code to make an outside call. Up to 8 access codes can be stored for each exchange line. When the programmed codes are dialed, the pause time assigned in program [417] “Pause Time” is automatically inserted, and call barring is applied after the code.



*1 Exchange line number: 1 through 6 / * (All exchange lines)

*2 Insert a “,” for each code using the  button on the overlay.

Example:

- Access codes 81, 82 on exchange line number 1

(Note: The image shows a sequence of buttons: 4, 0, 3, NEXT, 1, 8, 1, comma, 8, 2, STORE, END)

Default All exchange lines – Not stored

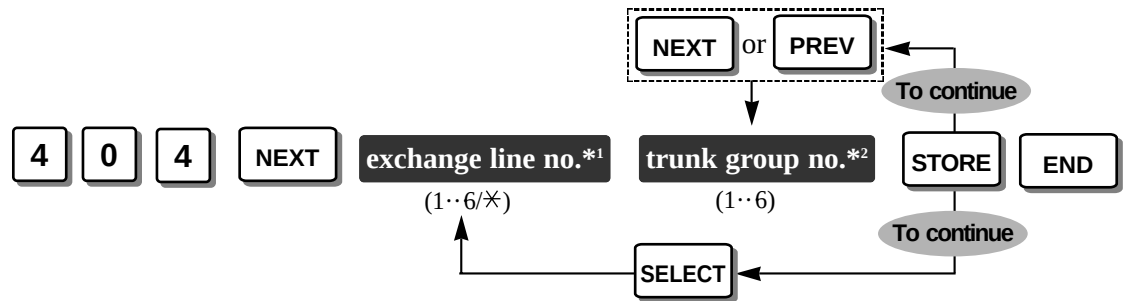


- To correct a wrong entry, press the CLEAR button and enter the new one.

• **Feature Reference**
Section 3, Features
Host PBX Access

[404] Trunk Group Assignment

Assigns a maximum 6 trunk groups. Each exchange line must be assigned to an trunk group. For example, if there are multiple telephone service companies available, exchange lines can be grouped by company.



*1 Exchange line number: 1 through 6 / ※ (All exchange lines)

*2 Trunk (TRK) group number: 1 through 6

Default Exchange line 1 through 6 – Trunk group 1 through 6



- Each exchange line can only belong to one trunk group.



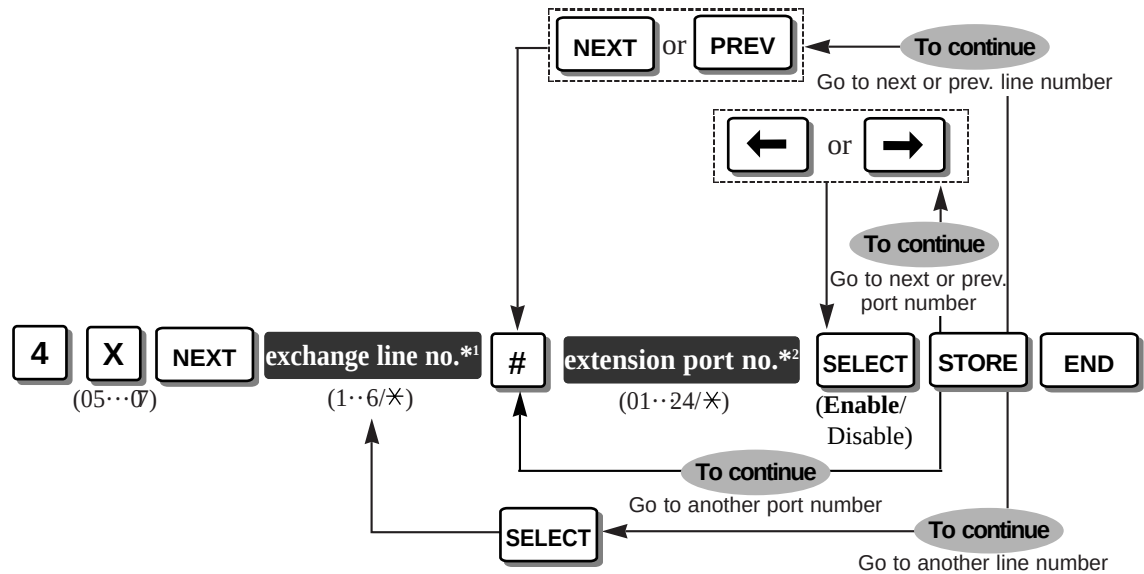
• **Feature Reference**

Section 3, Features

Outside Calling

[405]-[407] Flexible Outward Dialling Assignment —Day/Night/Lunch

Determines which extension(s) can make an outside call in the day, night and/or lunch modes.



X – Program address selection number: 05 ([405] for day) / 06 ([406] for night) / 07 ([407] for lunch)

*¹ Exchange line number: 1 through 6 / * (All exchange lines)

*² Extension port number: 01 through 24 / * (All extension ports)

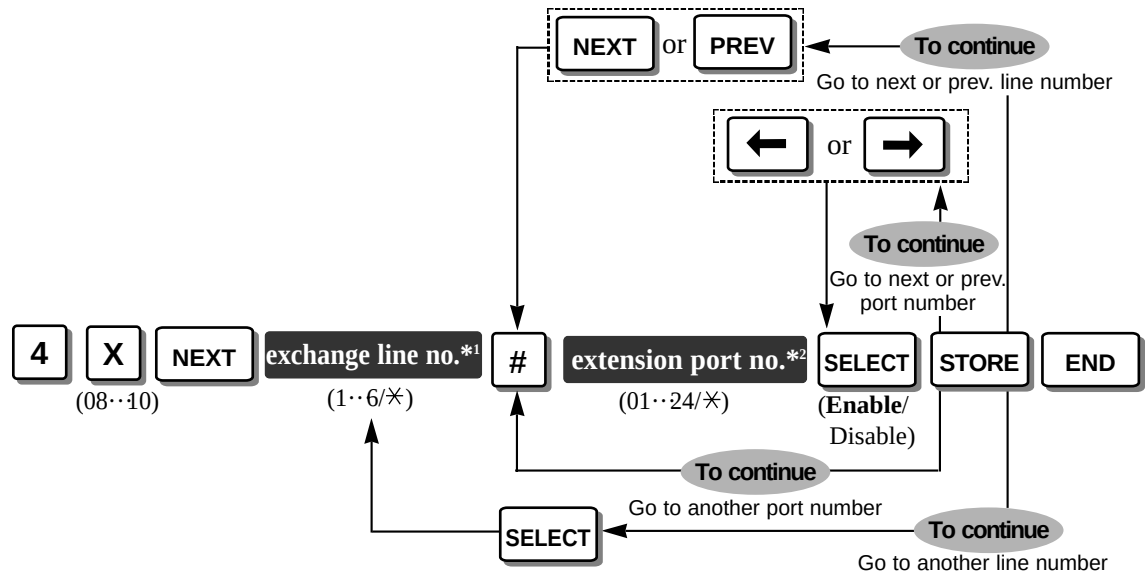
Default All exchange lines – all extension ports – Enable



- **Feature Reference**
Section 3, Features
Outside Calling

[408]-[410] Flexible Ringing Assignment —Day/Night/Lunch

Determines which extension(s) will ring for incoming outside calls in the day, night and/or lunch modes.



X – Program address selection number: 08 ([408] for day) / 09 ([409] for night) / 10 ([410] for lunch)

*¹ Exchange line number: 1 through 6 * (All exchange lines)

*² Extension port number: 01 through 24 / * (All extension ports)

Default All exchange lines – all extension ports – Enable



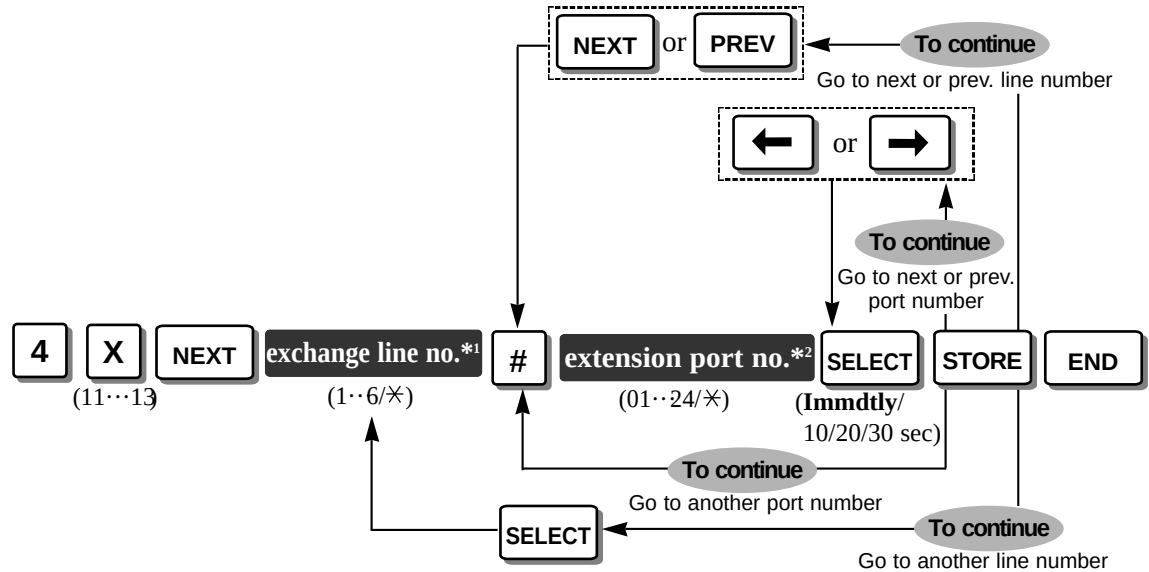
• Feature References

Section 3, Features

Exchange Line Ringing Selection, Uniform Call Distribution (UCD),
Receiving Calls

[411]-[413] Delayed Ringing Assignment —Day/Night/Lunch

Assigns the ringing start time for extension(s) which were selected to ring in programs [408]-[410] “Flexible Ringing Assignment —Day/Night/Lunch” in the day, night and/or lunch modes.



X – Program address selection number: 11 ([411] for day) / 12 ([412] for night) / 13 ([413] for lunch)

*¹ Exchange line number: 1 through 6 / * (All exchange lines)

*² Extension port number: 01 through 24 / * (All extension ports)

Default All exchange lines – all extension ports – Immediately



- **Feature Reference**
Section 3, Features
Receiving Calls

[414]-[416] Exchange Line Mode —Day/Night/Lunch

Selects the mode of an incoming outside call on each exchange Line in the day, night and lunch modes. There are the following 5 modes.

Normal: An incoming outside call will be received at the extension(s) assigned in programs [408]–[410] “Flexible Ringing Assignment — Day/Night/Lunch”.

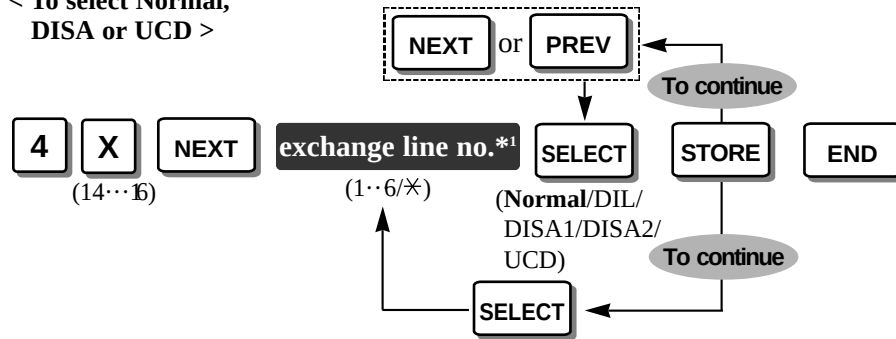
DIL: An incoming outside call will be received at the assigned extension in this program.

DISA1: An incoming outside call will be received at an extension through the DISA feature. A caller will hear a tone or an outgoing message.

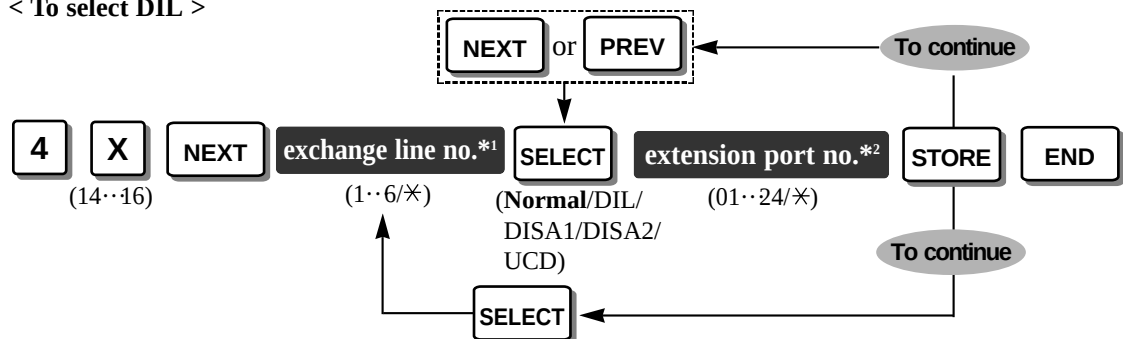
DISA2: An incoming outside call will be received at an extension through the DISA feature. A caller might hear OGM 2; for various configurations please see Cases 2, 3 and 4 in Section 3, Features “Outgoing Message (OGM)”.

UCD: An incoming outside call will be received at an extension through the UCD feature.

< To select Normal,
DISA or UCD >



< To select DIL >



X – Program address selection number: 14 ([414] for day) / 15 ([415] for night)/
16 ([416] for lunch)

*¹ Exchange Line number: 1 through 6 / * (All exchange lines)

*² Extension port number: 01 through 24 / * (All extension ports)

Default All exchange lines – Normal



- You must select “DISA1” when the optional OGM/FAX Detection card is not installed and if you want to use the internal DISA.
- When you select “UCD”, assign program [520] “UCD Group” to determine which extension group is assigned to the UCD group.
- When you select “DISA1”, “DISA2” and/or “UCD”, assign program [502] “OGM Mode Selection” to determine which OGM will be used.



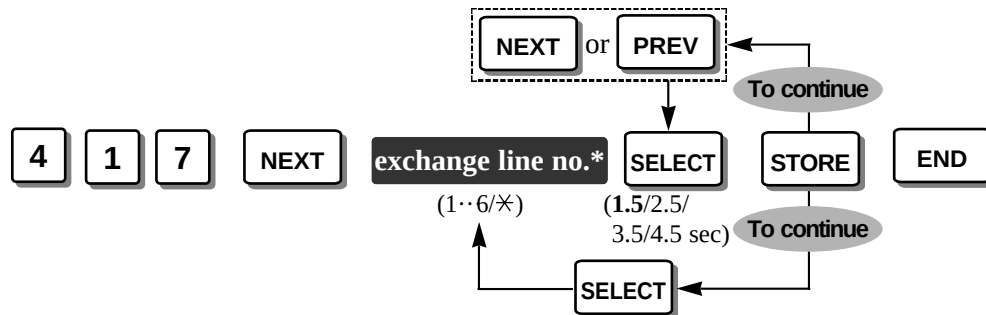
• **Feature References**

Section 3, Features

Direct In Line (DIL), Direct Inward System Access (DISA),
Outgoing Message (OGM), Uniform Call Distribution (UCD)

[417] *Pause Time*

Assigns the length of the pause time. The programmed pause time is automatically inserted after a line access code, a host PBX access code programmed in [403] “Host PBX Access Codes” or a pause code assigned in [311] “Automatic Pause Insertion Codes” or can be manually inserted by the user using the PAUSE button.



* Exchange line number: 1 through 6 / * (All exchange lines)

Default All exchange lines – 1.5 seconds



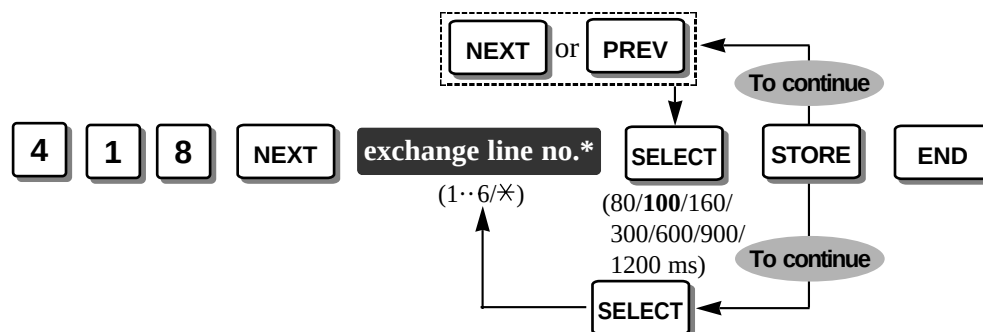
• **Feature Reference**

Section 3, Features

Host PBX Access

[418] Recall Time

Assigns the length of the recall time. If your system is installed behind a host PBX, External Feature Access is necessary to obtain its services. To enable it, select the required recall signal sending time for an exchange line.



* Exchange line number: 1 through 6 / * (All exchange lines)

Default All exchange lines – 100 milliseconds



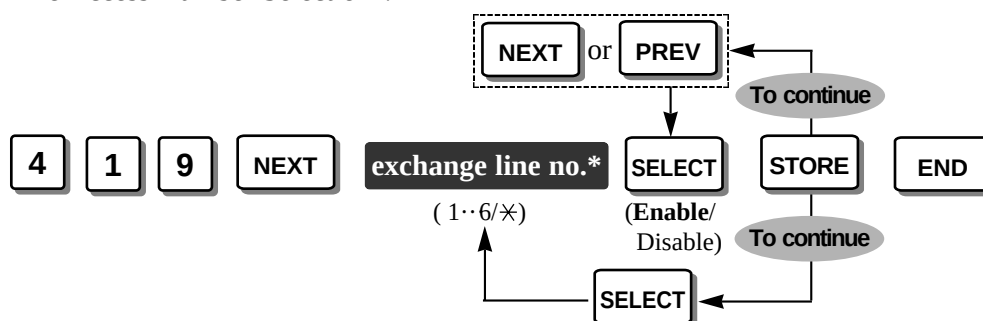
• **Feature References**

Section 3, Features

External Feature Access, Recall

[419] Automatic Designated Exchange Line Access

Selects which exchange line can be seized automatically when an extension user dials the Automatic Line Access number (0 or 9) assigned in program [121] “Automatic Exchange Line Access Number Selection”.



* Exchange line number: 1 through 6 / * (All exchange lines)

Default All exchange lines – Enable



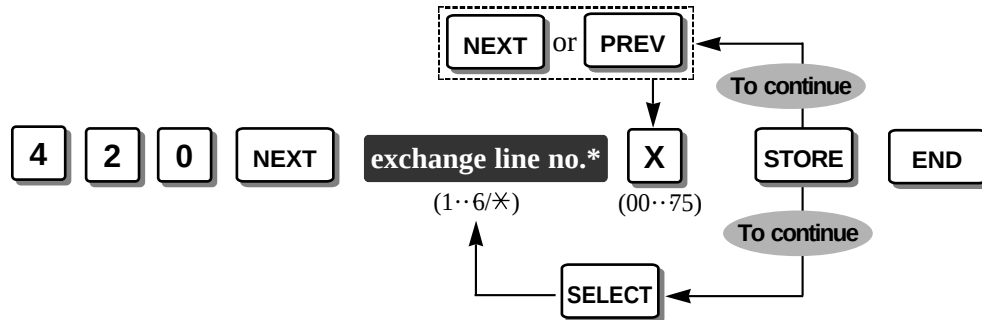
• **Feature References**

Section 3, Features

Automatic Exchange Line Access Number, Outside Calling

[420] Calling Party Control (CPC) Signal

Assigns the required minimum duration of the Calling Party Control (CPC) signal from the Local Exchange for incoming outside calls. If programmed, the system disconnects the line when the CPC signal is detected.



* Exchange line number: 1 through 6 / * (All exchange lines)

X – CPC signal detect time selection number: **No.** = selection number
Detect time (milliseconds)

No.	Detect time	No.	Detect time	No.	Detect time	No.	Detect time
00	Disable	19	166	38	318	57	470
01	22	20	174	39	326	58	478
02	30	21	182	40	334	59	486
03	38	22	190	41	342	60	494
04	46	23	198	42	350	61	502
05	54	24	206	43	358	62	510
06	62	25	214	44	366	63	518
07	70	26	222	45	374	64	526
08	78	27	230	46	382	65	534
09	86	28	238	47	390	66	542
10	94	29	246	48	398	67	550
11	102	30	254	49	406	68	558
12	110	31	262	50	414	69	566
13	118	32	270	51	422	70	574
14	126	33	278	52	430	71	582
15	134	34	286	53	438	72	590
16	142	35	294	54	446	73	598
17	150	36	302	55	454	74	606
18	158	37	310	56	462	75	614

Default All exchange lines – Disable (No. 00)



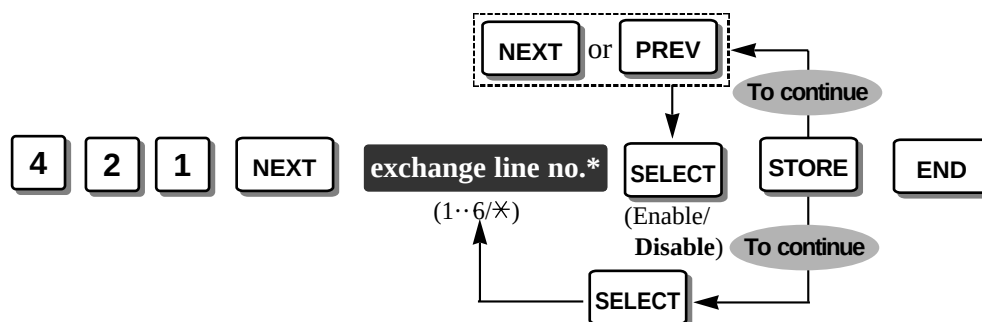
• **Feature Reference**

Section 3, Features

Calling Party Control (CPC) Signal Detection

[421] CPC Detection for Outgoing Calls

Enables or disables the CPC signal detection during an outgoing outside call. If disabled, the CPC signal detection is only activated during an incoming outside call or after call hold.



* Exchange line number: 1 through 6 / * (All exchange lines)

Default All exchange lines – Disable



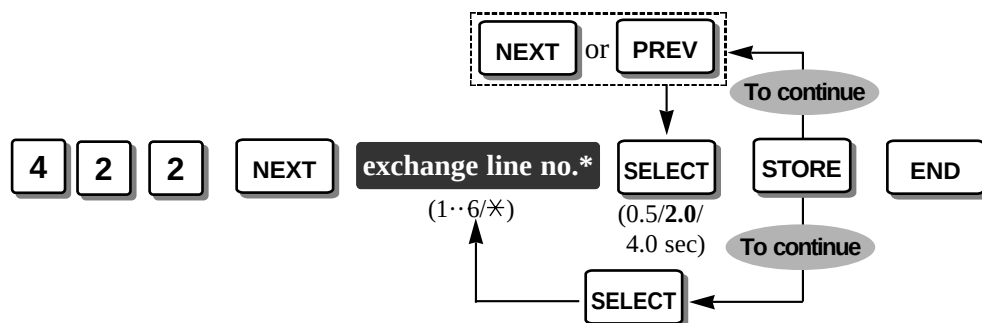
• **Feature Reference**

Section 3, Features

Calling Party Control (CPC) Signal Detection

[422] Disconnect Time

Determines the amount of time to send the disconnect signal from the system to the Local Exchange or host PBX. The time you select must be longer than the requirement of your Local Exchange or host PBX.



* Exchange line number: 1 through 6 / * (All exchange lines)

Default All exchange lines – 2.0 seconds



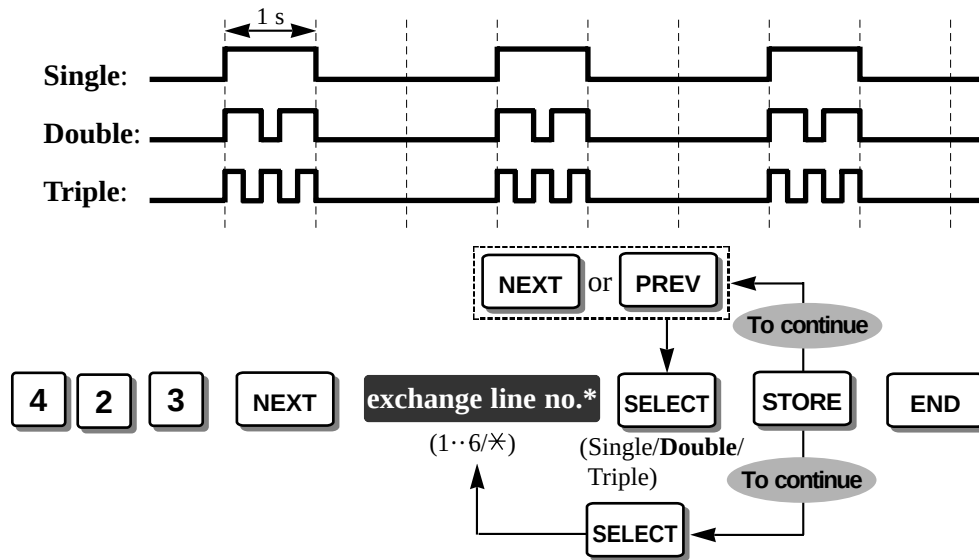
• **Feature Reference**

Section 3, Features

Recall

[423] Exchange Line Ringing Pattern Selection

Selects the incoming outside call ringing pattern, **Single**, **Double** or **Triple**, for each exchange line. This is useful for distinguishing private calls from business calls.



* Exchange line number: 1 through 6 / * (All exchange lines)

Default All exchange lines – Double

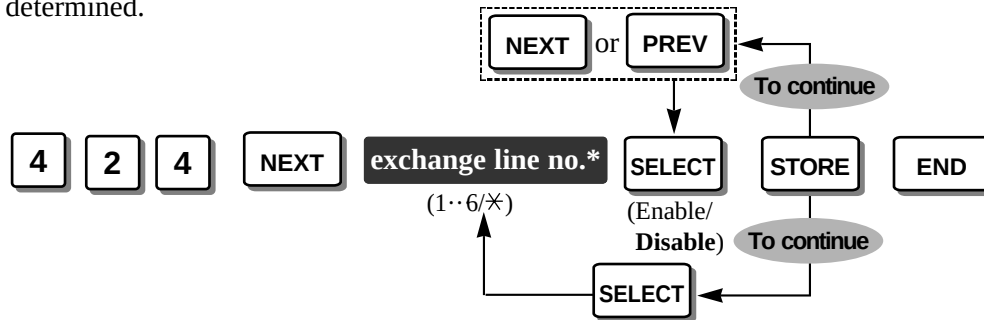
- !** When selecting the ring pattern illustrated above, we recommend that other ring patterns of the system be considered. Namely, please consider the settings of [115] “Extension Ringing Pattern Selection” and [706] “Doorphone Ringing/Tone Pattern Selection”.



- **Feature Reference**
Section 3, Features
Ringing Pattern Selection

[424] Reverse (Polarity) Circuit Assignment

Enables or disables detecting the reverse signal for each exchange line's polarity from the Local Exchange when making a call. If enabled, the outside call duration can be determined.



* Exchange line number: 1 through 6 / ∞ (All exchange lines)

Default All exchange lines – Disable



- **Feature Reference**

Section 3, Features

Polarity Reverse Detection

[500] DISA Incoming Dialling Mode Selection

Selects the destination of an incoming outside call via the DISA feature when you select “DISA 1” or “DISA 2” in programs [414]-[416] “Exchange Line Mode –Day/Night/Lunch”, **Without AA** (auto attendant) or **With AA** . If you select “With AA”, assign the next program [501] “DISA Built-in Auto Attendant”.

Without AA: Available destinations are: extension numbers assigned in program [009] “Extension Number Assignment” and the operator number (0 or 9).

With AA: Available destinations are: numbers available in the “Without AA” mode, and numbers (0 through 9) assigned in program [501].



(Without AA/
With AA)

Default Without AA



- For example: in the “With AA” mode, if a number is not dialled within the programmed time in [517] “DISA AA Wait Time” after dialling 1, the call is received at the DISA built-in auto attendant number 1.
- In the “With AA” mode, if 0 or 9 is not assigned in program [501], the system recognises them as a the operator number.



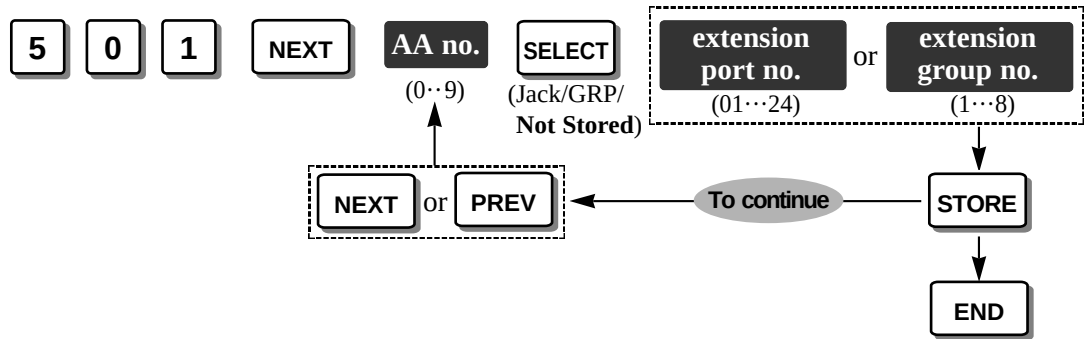
• **Feature Reference**

Section 3, Features

Direct Inward System Access (DISA)

[501] DISA Built-in Auto Attendant

Assigns a maximum of 10 DISA built-in auto attendant numbers when “With AA” is selected in program [500] “DISA Incoming Dialling Mode Selection”. The extension numbers assigned in program [009] “Extension Number Assignment”, and the extension group numbers assigned in program [600] “Extension Group Assignment” can be assigned as a 1 digit number and used as DISA built-in auto attendant numbers.



Default All auto attendant numbers – Not stored



- If you would like to use the operator number in the “With AA” mode, do not assign auto attendant number(s) which correspond to the operator number (0 or 9).



- **Feature Reference**

Section 3, Features

Direct Inward System Access (DISA)

[502] OGM Mode Selection

Selects how the 2 outgoing messages (OGM1 and OGM2) are used, **MODE1** through **MODE6**.

Mode	OGM1	OGM2	Description
1	DISA1	DISA1	The system can receive 2 incoming calls via the DISA feature at the same time. This is useful when receiving many calls.
2	DISA1	DISA2	An example: DISA1 is used in the day mode and DISA2 is used in the night mode.
3	UCD	UCD	The system can hold up to 2 incoming calls via the UCD feature at the same time until any extension is available.
4	UCD	UCD-END	The system disconnects an incoming call via the UCD feature when the assigned waiting time in [521] “UCD Busy Waiting Time” expires.
5	UCD	DISA1	An example: UCD is used in the day mode and DISA1 is used in the night mode.
6	UCD	DISA	The system leads an incoming call via the UCD feature to the DISA feature by OGM2 when the assigned waiting time in [521] “UCD Busy Waiting Time” expires and “Intercept” is selected in [523] “UCD Busy Mode”.

(MODE 1/
2/3/4/5/6)

Default **MODE1**



- Programs [414]-[416] “Exchange Line Mode – Day/Night/Lunch” are used to assign “DISA1”, “DISA2” or “UCD” to each exchange line according to this assignment.
- UCD-END is automatically used when “UCD” is assigned in programs [414]-[416], “Disconnect” is selected in program [523] “UCD Busy Mode”, and “MODE4” is selected in this program.
- DISA is automatically used when “UCD” is assigned in programs [414]-[416], “Intercept” is selected in program [523], and “MODE6” is selected in this program.
- If the optional OGM/FAX Detection card is not installed, this assignment should be “MODE1”.



• **Feature References**

Section 3, Features

Direct Inward System Access (DISA), Outgoing Message (OGM),
Uniform Call Distribution (UCD)

[503] FAX Connection *1

Assigns one extension which can receive facsimile data when the system receives a FAX (CNG) tone via the DISA feature.

5 **0** **3** **NEXT** **extension port no.** **STORE** **END**
(01..24)

Default Disable (Not assigned)



- The assigned extension will automatically have the Data Line Security feature set.
- To unassign an extension port number, press the CLEAR button in the extension port number step.



• **Feature References**

Section 3, Features

Data Line Security, Direct Inward System Access (DISA)

[504] DISA Delayed Answer Time

Sets the time from a call being received and answered with the DISA feature.

5 **0** **4** **NEXT** **SELECT** **STORE** **END**
(0/3/6/12 sec)

Default 3 seconds



• **Feature Reference**

Section 3, Features

Direct Inward System Access (DISA)

[505] DISA Waiting Time after OGM *1

Assigns the length of time the system keeps detecting the DTMF signals or FAX (CNG) tone after the DISA outgoing message is completed.

5 **0** **5** **NEXT** **SELECT** **STORE** **END**
(0/5/10/15 sec)

Default 5 seconds



• **Feature Reference**

Section 3, Features

Direct Inward System Access (DISA)

[506] *DISA Busy Mode*

Selects the operation when a called extension or all called extensions in an extension group enabled in program [100] “Hunting Group Set” via the DISA feature is/are busy.

Disconnect, **Call Waiting** or **DISA2** is available.

Disconnect: The call is disconnected after the busy tone.

Call Waiting: A call waiting tone is sent to the called extension or first called extension in the hunting group.

DISA2: OGM2 is sent to the caller and the system waits for another destination when the first destination is busy.



(**Disconnect**/
Call Waiting/
DISA2)

Default Disconnect



- Program [502] “OGM Mode Selection” should be “MODE2”, if “DISA2” was selected in this program.

- **Feature References**

Section 3, Features

Direct Inward System Access (DISA), Outgoing Message (OGM)

[507] *DISA Intercept Mode*

Selects the operation when a called extension or extension group via the DISA feature does not answer a call within the length of time programmed in [508] “DISA Ringing Time before Intercept”. **Intercept** or **Disconnect** is available.

Intercept: The call is redirected depending on [408]-[410] “Flexible Ringing Assignment–Day/Night/Lunch” (Intercept Routing – No Answer feature). This is useful for business use. For example, the call is forwarded to the operator or a Voice Processing System automatically.

Disconnect: The call is disconnected. This is useful for users who do not want to forward the call, for example, to a home.



(**Intercept**/
Disconnect)

Default Intercept



- **Feature References**

Section 3, Features

Direct Inward System Access (DISA), Intercept Routing,
Voice Mail Integration for KX-TVP100

[508] *DISA Ringing Time before Intercept*

Assigns the length of time for the Intercept Routing – No Answer feature (☞ [507] “DISA Intercept Mode”, Intercept). When the time expires the system starts to redirect the call to the programmed extension(s).

5 **0** **8** **NEXT** **SELECT** **STORE** **END**
(10/20/30/
40/60/120 sec)

Default 20 seconds

**• Feature References**

Section 3, Features

Direct Inward System Access (DISA), Intercept Routing

[509] *DISA Ringing Time after Intercept*

Assigns the length of time to call the extension(s) where a call is redirected by the Intercept Routing – No Answer feature(☞ [507] “DISA Intercept Mode”, Intercept) after the time programmed in [508] “DISA Ringing Time before Intercept” expires. If the call is not answered within the programmed time, the call will be disconnected.

5 **0** **9** **NEXT** **SELECT** **STORE** **END**
(10/20/30/
40/60/120 sec)

Default 20 seconds

**• Feature References**

Section 3, Features

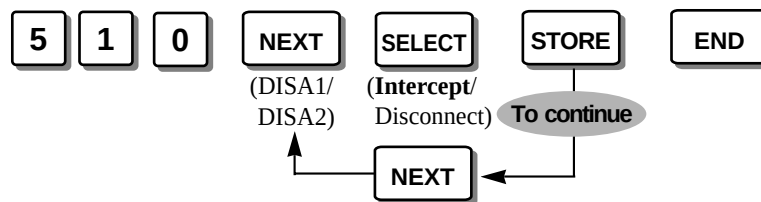
Direct Inward System Access (DISA), Intercept Routing

[510] DISA No Dial Mode

Selects the operation when the system does not receive either DTMF signals or a FAX (CNG) tone after a programmed length of time. If the optional card is installed, then use program [505] “DISA Waiting Time after OGM”. If the optional card is not installed, then use program [515] “Intercept Time for Internal DISA”. **Intercept** or **Disconnect** is available.

Intercept: The call is directed depending on programs [408]-[410] “Flexible Ringing Assignment–Day/Night/Lunch” (Intercept Routing – No Answer feature). The destination telephone(s) will ring for the time programmed in [509] “DISA Ringing Time after Intercept”.

Disconnect: The call is disconnected.



Default DISA 1 and DISA 2 – Intercept



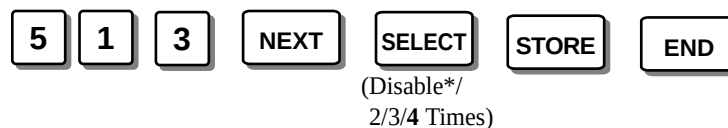
- **Feature References**

Section 3, Features

Direct Inward System Access (DISA), Intercept Routing

[513] Cyclic Tone Detection*¹

Assigns the number of times a cyclic tone is detected while the DISA outgoing message is sent so that the system can recognise the end of the DISA call.



* Disable (Does not detect)

Default 4 Times



- **Feature References**

Section 3, Features

Direct Inward System Access (DISA), Uniform Call Distribution (UCD)

*¹: Required only when the optional OGM/FAX Detection Card is installed.

[514] FAX Tone Detection*¹

Sets the number of times the FAX (CNG) tone must be detected while the DISA outgoing message is sent before the system recognises the incoming signal as facsimile data.

(1 Time/2 Times)

Default 1 Time



- The extension which can receive facsimile data must be assigned in program [503] "FAX Connection"



- **Feature Reference**
 Section 3, Features
 Direct Inward System Access (DISA)

[515] Intercept Time for Internal DISA

Assigns the length of time the system keeps detecting DTMF signals after a call is received at the internal DISA. If the system does not receive DTMF signals within the programmed time, the call will be intercepted or disconnected according to program [510] "DISA No Dial Mode".

(3/6/9 sec)

Default 3 seconds



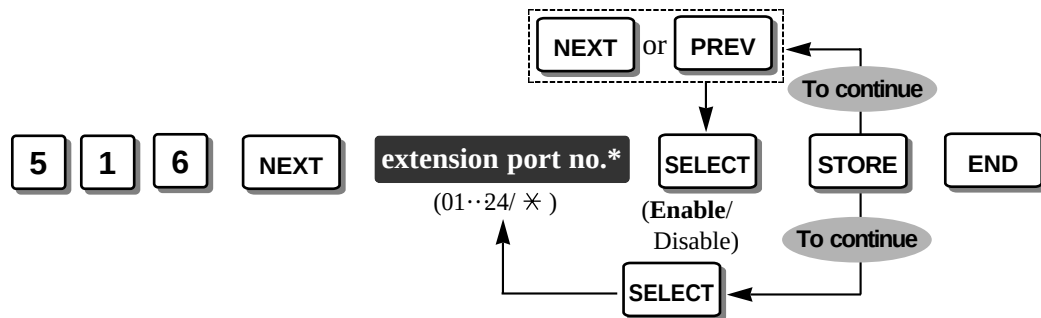
- A cyclic tone and FAX (CNG) tone cannot be detected by the internal DISA.



- **Feature Reference**
 Section 3, Features
 Direct Inward System Access (DISA)

[516] DISA Incoming Assignment

Enables or disables each extension to receive an outside call via the DISA feature. If a DISA call is received at a disabled extension, the DISA caller will hear a reorder tone and the call will be disconnected automatically. For example, it may be convenient to disable the president's extension.



* Extension port number: 01 through 24 / * (All extension ports)

Default All extension ports – Enable



- If a call via the DISA feature is received by an extension group, this program will not work for extensions in that extension group. In this case, disabled extensions will still ring.



- **Feature Reference**
Section 3, Features
Direct Inward System Access (DISA)

[517] DISA AA Wait Time

Selects the time that the system waits for a second digit entry. If the programmed time expires, the system will assume that the first digit is a DISA built-in auto attendant number, if a number is assigned in program [501] “DISA Built-in Auto Attendant”. For example, if a number is not dialled within the programmed time after dialling 1, the system will assume that “1” is the auto attendant number.



Default 2 seconds



- **Feature Reference**
Section 3, Features
Direct Inward System Access (DISA)

[519] DISA OGM Mute Time

Assigns the length of time from answering a call with the DISA feature and sending the DISA outgoing message or a beep. During the assigned length of time, the system will not receive DTMF signals.

5 1 9 NEXT SELECT STORE END
(0/2/4/6 sec)

Default 0 second



- **Feature Reference**
Section 3, Features
Direct Inward System Access (DISA)

[520] UCD Group*¹

Assigns one extension group which works as the UCD group.

5 2 0 NEXT extension group no. STORE END
(1...8)

Default Extension group number 1



- **Feature Reference**
Section 3, Features
Uniform Call Distribution (UCD)

[521] UCD Busy Waiting Time*¹

Assigns the length of time the system holds an incoming outside call via the UCD feature when all extensions in the UCD group are busy. When the programmed time expires, the call will be intercepted or disconnected according to program [523] "UCD Busy Mode".

5 2 1 NEXT waiting time* SELECT STORE END
(min/sec)

* Waiting time: 1 through 32 (minutes) / 1 through 59 (seconds)

Default 10 minutes



- **Feature Reference**
Section 3, Features
Uniform Call Distribution (UCD)

[522] UCD OGM Message Interval Time*¹

Assigns interval time between sending UCD outgoing messages to an incoming outside call via the UCD feature when all extensions in the UCD group are busy. The UCD outgoing message is repeated during the time programmed in [521] “UCD Busy Waiting Time”.

5 **2** **2** **NEXT** **SELECT** **STORE** **END**

(30 sec/1/
1.5/2 min)

Default 1 minute



• **Feature Reference**

Section 3, Features

Uniform Call Distribution (UCD)

[523] UCD Busy Mode*¹

Selects the operation when the length of time programmed in [521] “UCD Busy Waiting Time” expires. **Intercept** or **Disconnect** is available.

Intercept: The call will be redirected depending on programs [408]-[410] “Flexible Ringing Assignment–Day/Night/Lunch” (Intercept Routing feature). The extension which receives a redirected call rings during the length of time programmed in [526] “UCD Ringing Time after Intercept”.

Disconnect: The call will be disconnected immediately.

5 **2** **3** **NEXT** **SELECT** **STORE** **END**

(Intercept/
Disconnect)

Default Intercept



- The above-mentioned intercept only occurs when “MODE 3” or “MODE 5” is selected in program [502] “OGM Mode Selection”. If “MODE 4” is selected, the call will be disconnected after the UCD-END outgoing message. If “MODE 6” is selected and “Intercept” is assigned in this program, the call will go to the DISA and OGM2 will be heard by the caller.



• **Feature References**

Section 3, Features

Intercept Routing, Uniform Call Distribution (UCD)

*¹: Required only when the optional OGM/FAX Detection Card is installed.

[524] UCD Intercept Mode*¹

Selects the operation when all extensions in the UCD group do not answer an outside call via the UCD feature within the length of time programmed in [525] “UCD Ringing Time before Intercept”. **Intercept** or **Disconnect** is available.

Intercept: The call is redirected depending on programs [408]-[410] “Flexible Ringing Assignment–Day/Night/Lunch” (Intercept Routing – No Answer feature).

Disconnect: The call is disconnected.

5 2 4 NEXT SELECT STORE END
(Intercept/
Disconnect)

Default Intercept



• **Feature References**

Section 3, Features

Intercept Routing, Uniform Call Distribution (UCD)

[525] UCD Ringing Time before Intercept*¹

Assigns the length of time for the Intercept Routing – No Answer feature (☞ [524] “UCD Intercept Mode”, Intercept). When the time expires, the system starts to redirect the call to the programmed extension(s).

5 2 5 NEXT SELECT STORE END
(10/20/30/
40/60/120 sec)

Default 20 seconds



• **Feature References**

Section 3, Features

Intercept Routing, Uniform Call Distribution (UCD)

[526] UCD Ringing Time after Intercept*¹

Assigns the length of time to call the extension(s) where a call is redirected by the Intercept Routing – No Answer feature (☞ [524] “UCD Intercept Mode”, Intercept) after the time programmed in [525] “UCD Ringing Time before Intercept” expires.

5 2 6 NEXT SELECT STORE END
(10/20/30/
40/60/120 sec)

Default 20 seconds



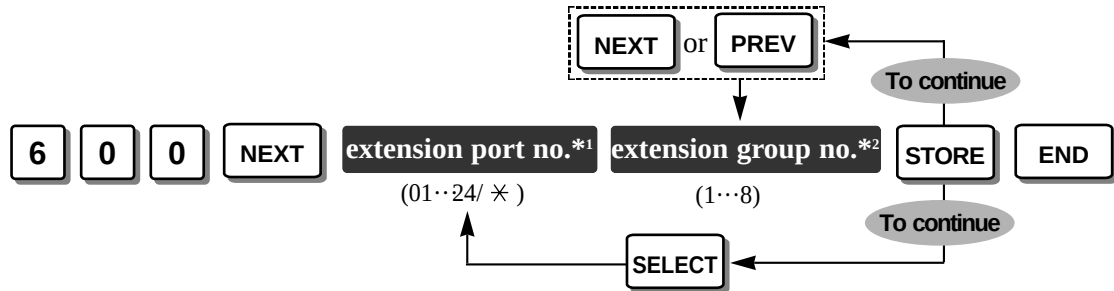
• **Feature References**

Section 3, Features

Intercept Routing, Uniform Call Distribution (UCD)

[600] Extension Group Assignment

Assigns an extension group for each extension. For example: by department or floor.



*¹ Extension port number: 01 through 24 / * (All extension ports)

*² Extension group number: 1 through 8

Default All extension ports – Extension group 1



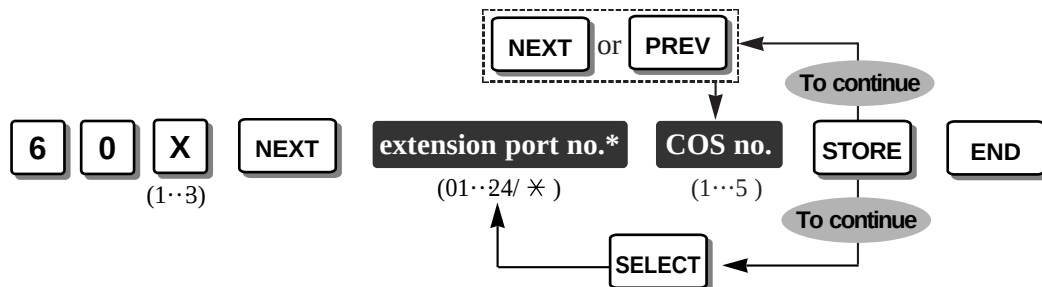
- Every extension should belong to an extension group, but cannot belong to more than one group.



- **Feature References**
Section 3, Features
Extension Group, Extension Hunting

[601]-[603] Call Barring – Class of Service Assignment —Day/Night/Lunch

Programs a class of service (COS) in the day, night and/or lunch modes for each extension. There are 5 classes of service available for each extension.



X – Program address selection number: 1 ([601] for day) / 2 ([602] for night) / 3 ([603] for lunch)

* Extension port number: 01 through 24 / * (All extension ports)

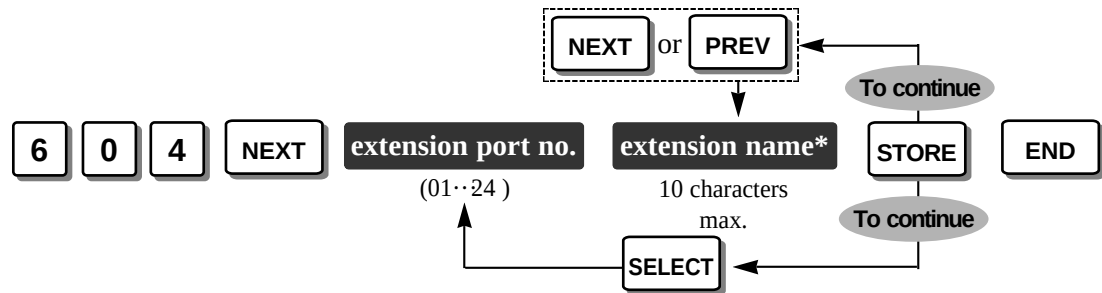
Default All extension ports – COS-1



- **Feature Reference**
Section 3, Features
Call Barring

[604] Extension Name Setting

Assigns a name to each extension which will be displayed when making or receiving an intercom call.



* Extension name:
Combination Table

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

<Example>

— To enter “Mike”;

1. Press 6 and then press the SELECT button once to enter “M”.
2. Press 4 and then press the SELECT button 6 times to enter “i”.
3. Press 5 and then press the SELECT button 4 times to enter “k”.
4. Press 3 and then press the SELECT button 4 times to enter “e”.

Default All extension ports – Not stored.



- To erase all letters, press the CLEAR button. To erase 1 letter, press .
- Each name has a maximum of 10 characters.



• **Feature References**

Section 3, Features
Intercom Calling

[605] Account Code Entry Mode

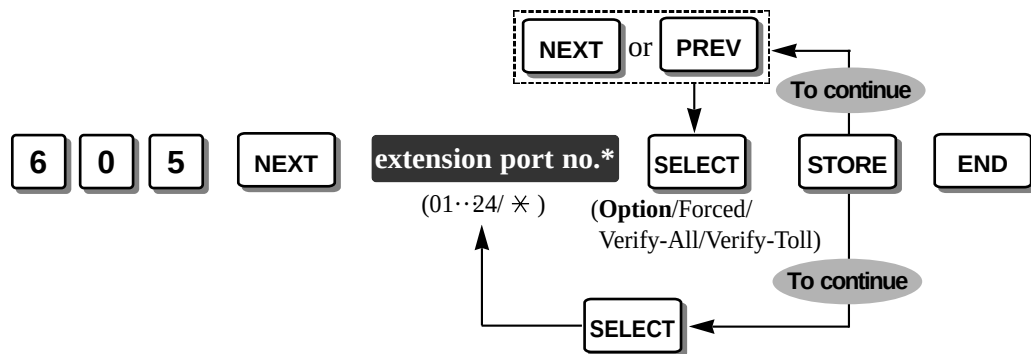
Selects the account code input mode, **Option**, **Forced**, **Verify-All** or **Verify-Toll (Call Barring)**, for each extension port. This feature displays the account code of the called or calling party on the SMDR.

Option: The user can enter any account code, if needed.

Forced: The user must always enter an account code. The code can be any number.

Verify-All: The user must always enter an assigned account code in program [310] "Account Codes" to make an outside call.

Verify-Toll (Call Barring): The user can enter an assigned account code in program [310] to override call barring. The call barring COS numbers 3 through 5 will be changed temporarily to the COS number 2. (The COS numbers 1 and 2 will not be changed.)



* Extension port number: 01 through 24 / * (All extension ports)

Default All extension ports – Option



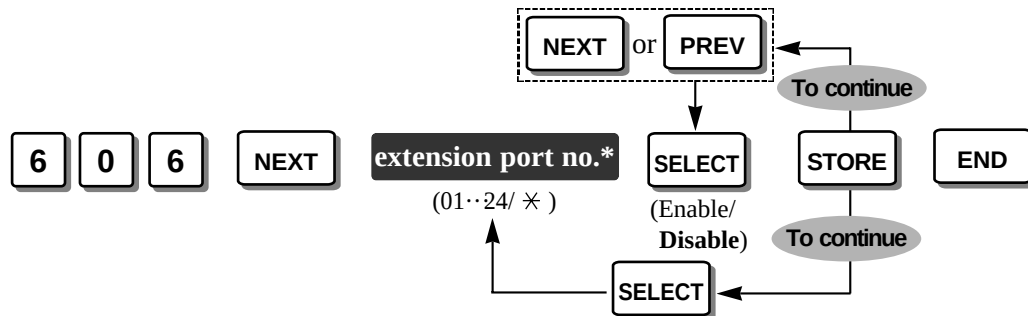
• **Feature References**

Section 3, Features

Account Code Entry, Call Barring Override by Account Codes

[606] Call Transfer to an Exchange Line

Enables or disables transferring an intercom or outside call to any exchange line manually for each extension.



* Extension port number: 01 through 24 / * (All extension ports)

Default All extension ports – Disable



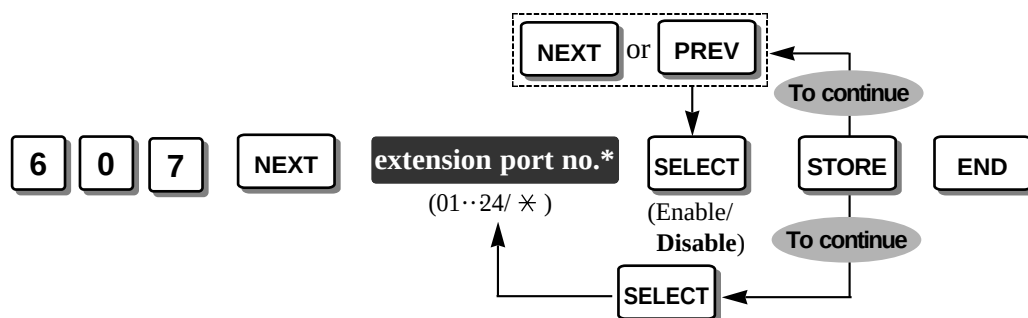
• **Feature References**

Section 3, Features

Call Transfer – to Exchange Line, Conference (3-party)

[607] Call Forwarding to an Exchange Line

Enables or disables automatically forwarding an incoming intercom or outside call to any exchange line for each extension.



* Extension port number: 01 through 24 / * (All extension ports)

Default All extension ports – Disable



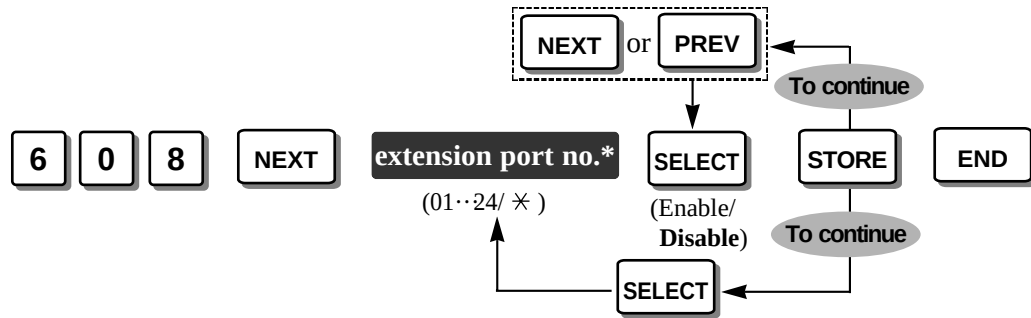
• **Feature Reference**

Section 3, Features

Call Forwarding

[608] Executive Busy Override

Enables or disables using the Executive Busy Override feature at each extension. If enabled, an extension user can interrupt an established call.



* Extension port number: 01 through 24 / * (All extension ports)

Default All extension ports – Disable



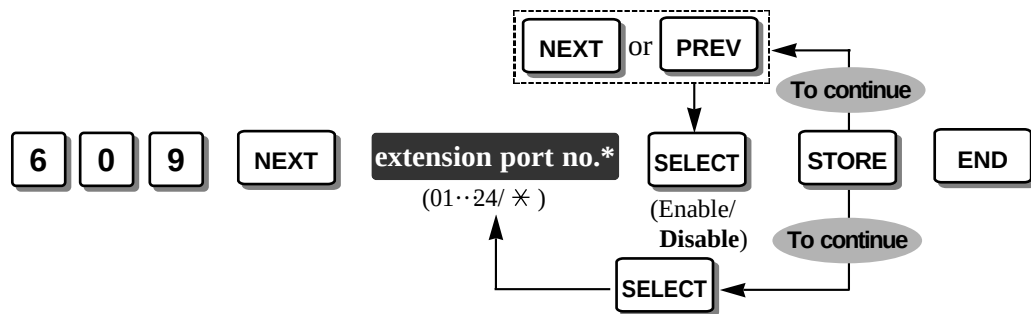
• **Feature Reference**

Section 3, Features

Executive Busy Override

[609] Do Not Disturb Override

Enables or disables using the Do Not Disturb Override feature at each extension. If enabled, an extension user can ring an extension which has set the Do Not Disturb feature.



* Extension port number: 01 through 24 / * (All extension ports)

Default All extension ports – Disable



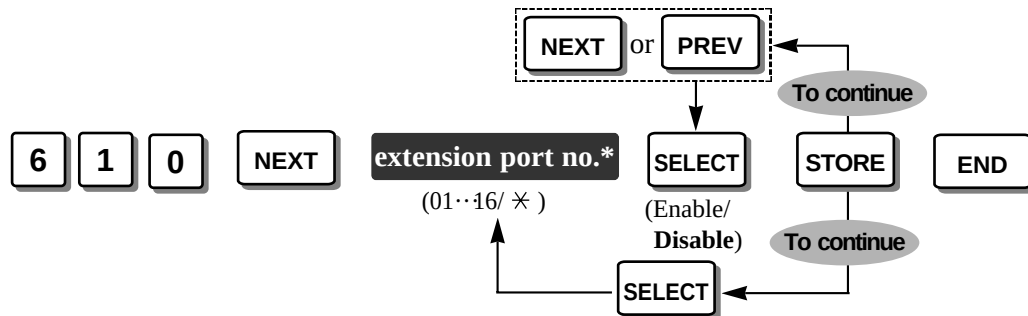
• **Feature Reference**

Section 3, Features

Do Not Disturb (DND)

[610] *Parallellled Telephone Connection*

Enables or disables a single line telephone (SLT) to be connected in parallel with a proprietary telephone.



* Extension port number: 01 through 16 / * (All extension ports)

Default All extension ports – Disable



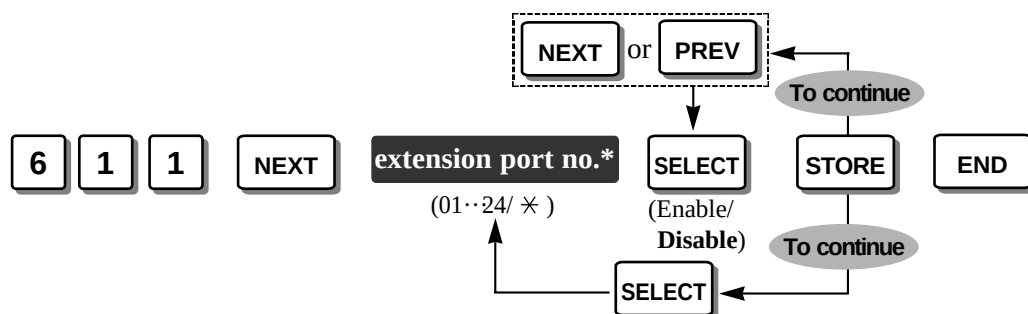
• **Feature Reference**

Section 3, Features

Parallellled Telephone Connection

[611] *TAM (Telephone Answering Machine) Extension*

Assigns the port number of an extension connected to a telephone answering machine (TAM) to activate the Call Retrieving from TAM feature.



* Extension port number: 01 through 24 / * (All extension ports)

Default All extension ports – Disable (not connected)



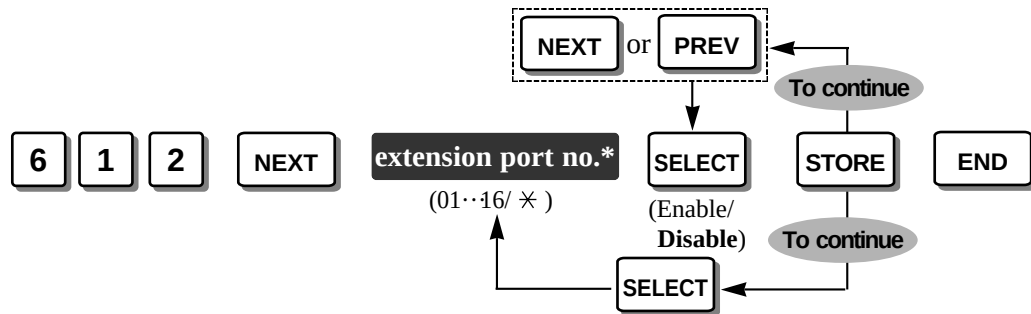
• **Feature Reference**

Section 3, Features

Call Pickup

[612] Room Monitor Assignment

Enables or disables which extension(s) can be monitored using the Room Monitor feature.



* Extension port number: 01 through 16 / * (All extension ports)

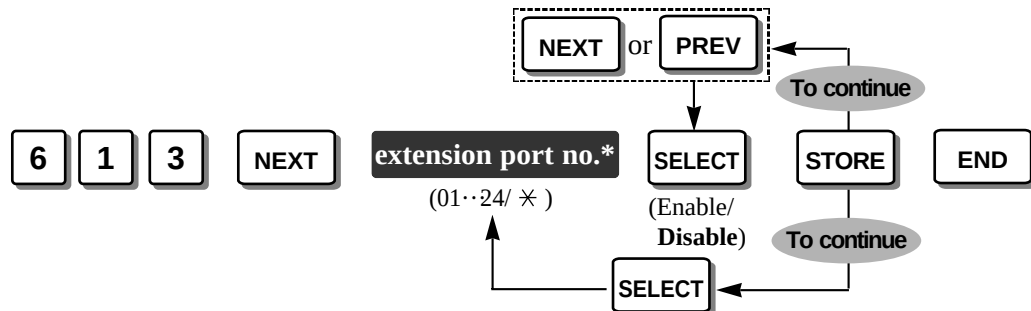
Default All extension ports – Disable (Cannot be monitored.)



- **Feature Reference**
Section 3, Features
Room Monitor

[613] Exchange Line Duration Time Limit Selection

Enables or disables the time limit programmed in [212] “Exchange Line Duration Time Limit” for each extension.



* Extension port number: 01 through 24 / * (All extension ports)

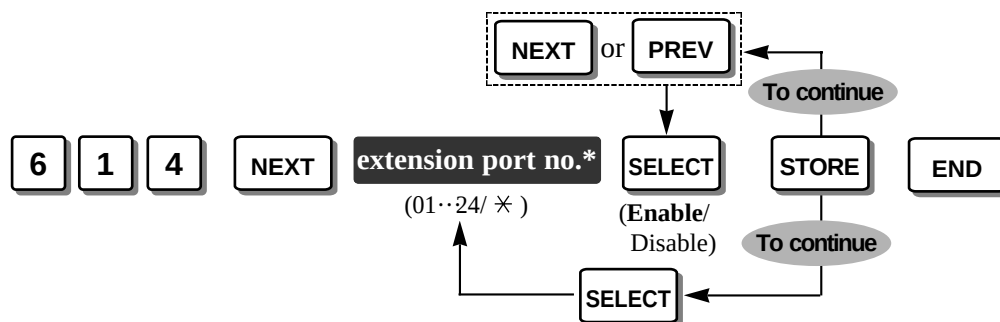
Default All extension ports – Disable



- **Feature Reference**
Section 3, Features
Limited Call Duration

[614] Internal Pulse Detection

Enables or disables connecting a single line telephone (SLT) to receive pulse signals for each extension.



* Extension port number: 01 through 24 / ※ (All extension ports)

Default All extension ports – Enable



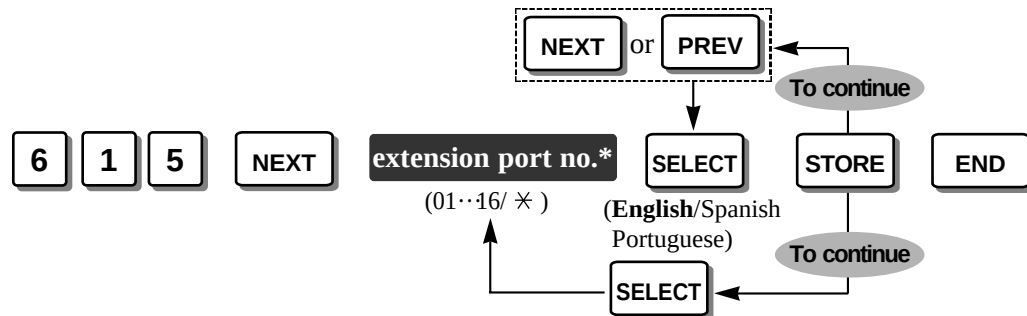
- If you select “MODE 1” in program [207] “Recall Timing Range Selection” and “Enable” in this program, the system will distinguish between a pulse signal and hooking depending on the situation. When you select “Disable” in this program, if “1” is dialed during the pulse mode, the system will regard it as hooking and all other numbers will be disregarded.



- Feature Reference**
Section 3, Features
Recall Button on a Single Line Telephone

[615] *LCD Language Assignment*

Selects the language, **English**, **Spanish** or **Portuguese**, shown on the LCD display of a proprietary telephone on an extension basis. The selected language is shown during operation and Proprietary Telephone Settings.



* Extension port number: 01 through 16 / * (All extension ports)

Default All extension ports — English

!

- The language used for the SMDR printout is assigned in program [806] “SMDR Language Assignment”.



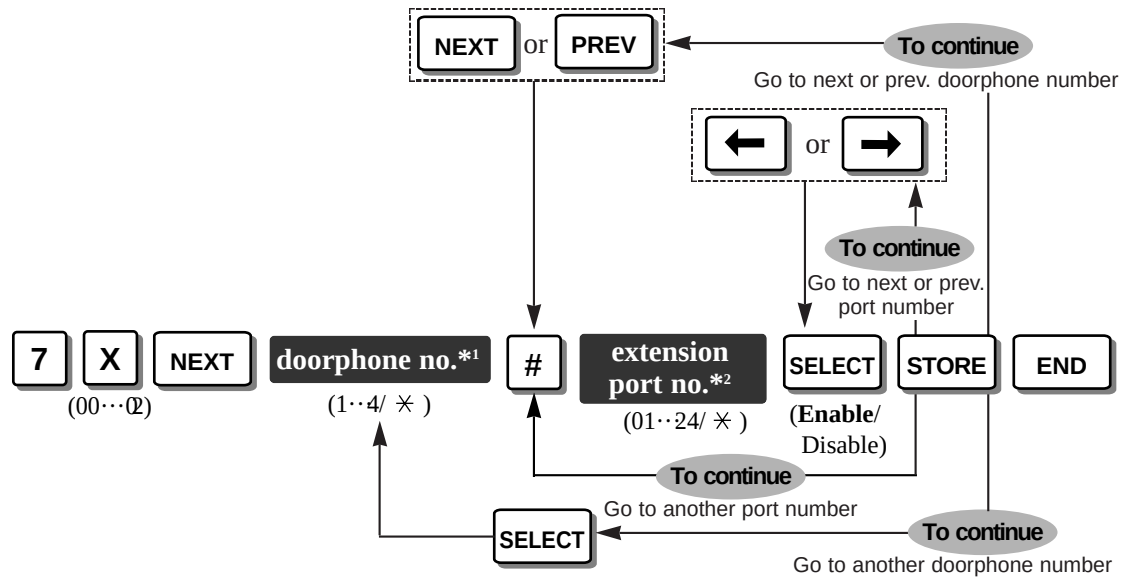
- **Feature Reference**

Section 3, Features

Language Selection

[700]-[702] Doorphone Ringing Assignment—Day/Night/Lunch

Enables or disables receiving a call from up to 4 doorphones in the day, night and/or lunch modes for each extension.



X – Program address selection number: 00 ([700] for day) / 01 ([701] for night) / 02 ([702] for lunch)

*¹ Doorphone number: 1 through 4 / * (All doorphones)

*² Extension port number: 01 through 24 / * (All extension ports)

Default All doorphones – all extension ports – Enable



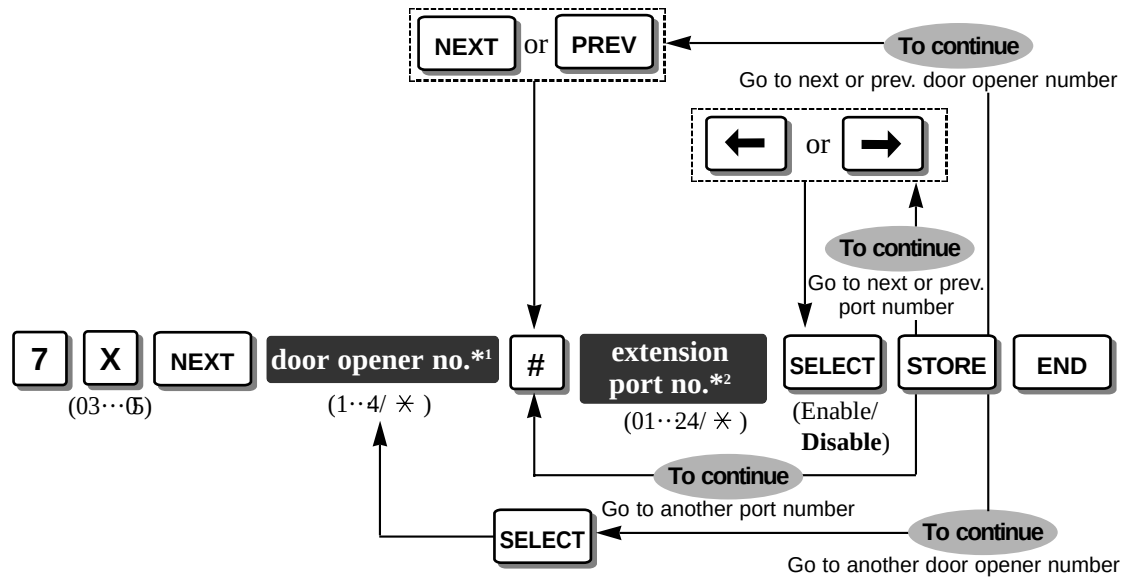
• Feature Reference

Section 3, Features

Doorphone Call

[703]-[705] Door Opener Assignment—Day/Night/Lunch

Enables or disables accessing to up to 4 door openers in the day, night and/or lunch modes for each extension.



X – Program address selection number: 03 ([703] for day) / 04 ([704] for night) / 05 ([705] for lunch)

*¹ Door opener number: 1 through 4 / * (All door openers)

*² Extension port number: 01 through 24 / * (All extension ports)

Default All door openers – all extension ports – Disable



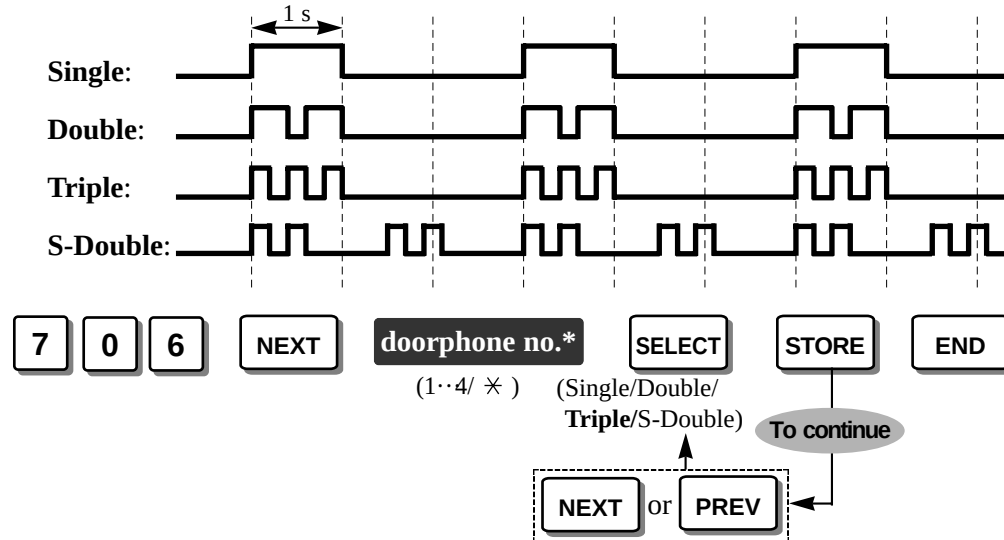
• Feature Reference

Section 3, Features

Door Opener

[706] Doorphone Ringing / Tone Pattern Selection

Selects the doorphone ringing pattern, **Single**, **Double**, **Triple** or **S-Double**.



* Doorphone number: 1 through 4 / * (All doorphones)

Default All doorphones – Triple



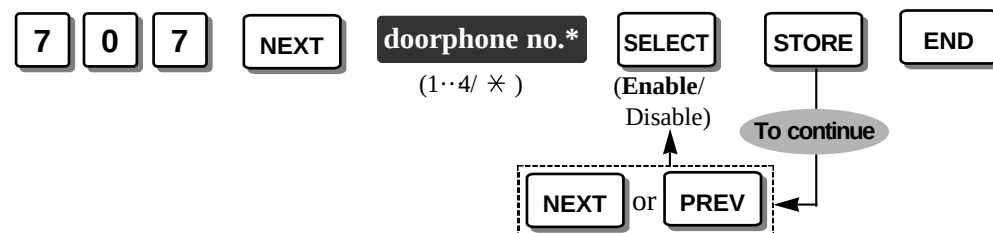
- When a doorphone call is received at a proprietary telephone, a tone is heard instead of ringing.



- Feature References**
Section 3, Features
Doorphone Call, Ringing Pattern Selection

[707] Doorphone Access Tone Selection

Enables or disables sending a doorphone access tone to a monitored doorphone. If enabled, the access tone is heard from the doorphone when monitoring from a telephone starts.



* Doorphone number: 1 through 4 / * (All doorphones)

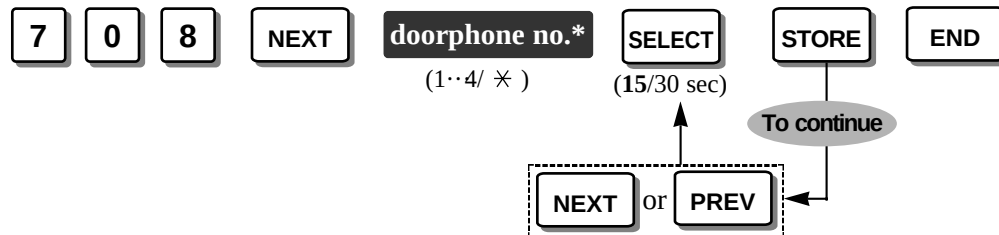
Default All doorphones – Enable



- Feature References**
Section 3, Features
Doorphone Call, Room Monitor

[708] Doorphone Ringing Time

Sets the ringing time when making an intercom call from a doorphone.



* Doorphone number: 1 through 4 / * (All doorphones)

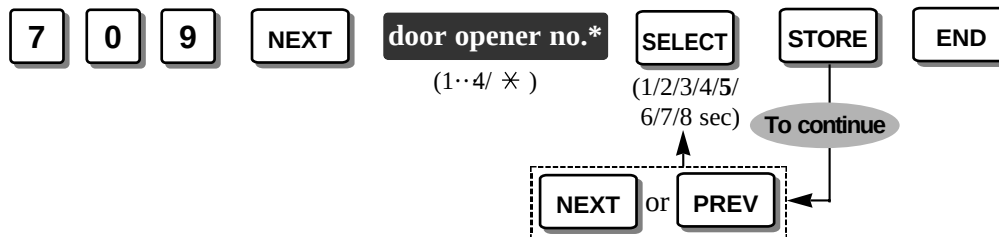
Default All doorphones – 15 seconds



- **Feature Reference**
Section 3, Features
Doorphone Call

[709] Door Opener Time

Assigns the length of the door opener time. The door is unlocked for the assigned period of time.



* Door opener number: 1 through 4 / * (All door openers)

Default All door openers – 5 seconds

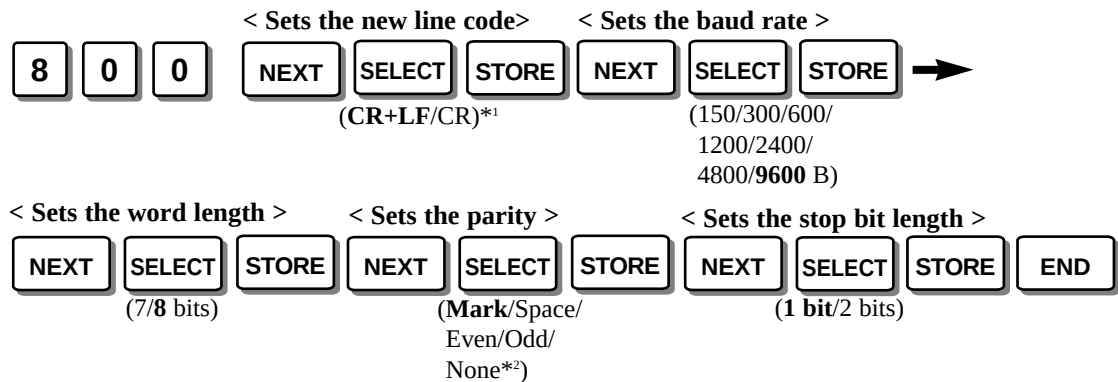


- **Feature Reference**
Section 3, Features
Door Opener

[800] SMDR RS-232C Communication Parameters

Assigns the communication parameters for the Serial Interface (RS-232C).

- NL-Code:** (New line) Selects the code for your printer or personal computer. If your printer or personal computer automatically feeds lines with a carriage return, select "CR". If not, select "CR+LF".
- Baud Rate:** The baud rate code indicates the data transmission speed from the system to the printer or personal computer.
- Word Length:** The word length code indicates how many bits compose a character.
- Parity:** The parity code indicates what type of parity is used to detect an error in the string of bits composing a character. Make your selection depending on the requirements of your printer or personal computer.
- Stop Bit:** The stop bit code indicates the end of a bit string which composes a character. Select a value depending on the requirements of your printer or personal computer.



*¹ CR+LF (Carriage Return + Line Feed) / CR (Carriage Return)

*² Select "None" when the error checking function is not required from the printer.

Default	New line	Baud rate	Word length	Parity	Stop bit length
	CR + LF	9600 baud	8 bits	Mark	1 bit



- To return to the previous mode, press **PREV** instead of **NEXT**.
- The following combinations are invalid.

Parity	Word length	Stop bit length
Mark	8	2
Space	8	1
Space	8	2

If any of the above invalid combinations are selected, an alarm tone is heard.



• Feature Reference

Section 3, Features

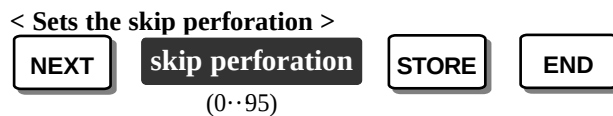
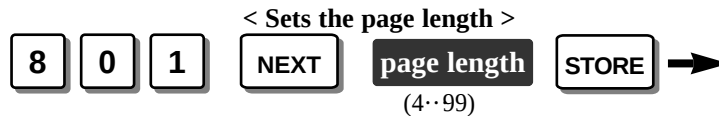
Station Message Detail Recording (SMDR)

[801] SMDR Parameter

Assigns the following 2 printing parameters to match the SMDR output with the paper size used in the printer.

Page Length: Sets the number of lines per page.

Skip Perf: Sets the number of lines to be skipped at the end of every page.
(Perforation)

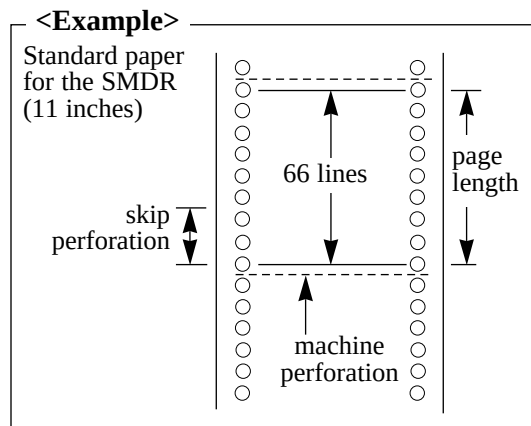


Default Page length – 66 lines
 Skip perforation – 0 line

- !**
- The page length should be at least 4 lines longer than the skip perforation length.
 - To correct a wrong entry, press the CLEAR button and enter the new one.



- **Feature Reference**
 Section 3, Features
 Station Message Detail Recording (SMDR)

**[802] Incoming/Outgoing Call Selection for Printing**

Determines which calls will produce an SMDR printout.



*¹ Outgoing: On (Print all calls) / Off (No printing) / Toll (Print toll calls only)

*² Incoming: On (Print all calls) / Off (No printing)

Default Outgoing calls / Incoming calls – On

- !**
- If “Outgoing; Toll” is selected, only calls which are checked in programs [302]–[305] “Call Barring – Classes 2 through 5 Denied Codes” and are allowed, are printed out.



- **Feature Reference**
 Section 3, Features
 Station Message Detail Recording (SMDR)

[803] Secret Speed Dialling / One-Touch Dialling Printing

Selects to print or not print (on SMDR) secret dialling numbers stored in program [001] “System Speed Dialling Entry” and/or stored in One-Touch Dialling even though they are not displayed on the LCD.



Default No printing



• **Feature References**

Section 3, Features

Secret Dialling, Station Message Detail Recording (SMDR)

[804] System Data Dump

Starts and stops printing the assigned data. All or a specific area of current system-programmed data is printed out. The areas are as follows.

All Para: Prints out all data.

System Para: Prints out all data except for the following 4 parameters.

CO Para: Prints out programs [400] through [403] and [405] through [424].

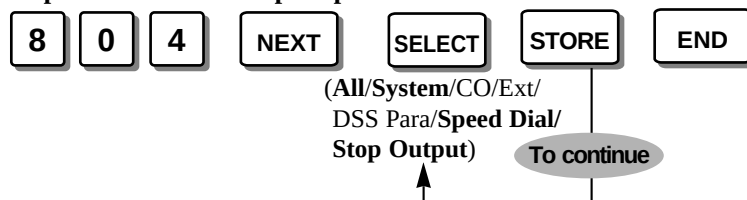
Ext Para: If the extension is a proprietary telephone, programs [102], [516] [600] through [613] and [615] will be printed out. The assigned data on the PF (Programmable Feature) buttons and line keys will also be printed out. If the extension is a single line telephone, programs [102], [516] and [600] through [614] will be printed out. The assigned Personal Speed Dialling numbers are also printed out.

DSS Para: Prints out the assigned data in the DSS buttons and PF buttons on the DSS console.

Speed Dial: Prints out the System Speed Dialling numbers and names assigned in programs [001] and [011].

Stop Output : Stops printing.

< To select All parameters, System parameter,
Speed dial and/or Stop output. >



< To select the CO (exchange line) parameter. >



< To select the Extension parameter. >



< To select the DSS parameter. >



*1 Exchange line number: 1 through 6 / * (All exchange lines)

*2 Extension port number: 01 through 24 / * (All extension ports)

*3 DSS console number: 1 through 2 / * (Both DSS console numbers)



- This program and [999] “System Data Clear” are not included.



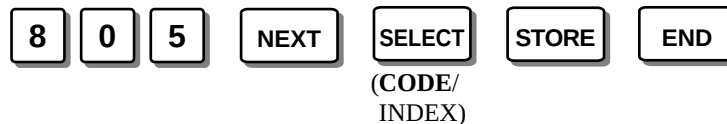
• Feature Reference

Section 3, Features

Station Message Detail Recording (SMDR)

[805] SMDR Account Code Selection

Selects printing out the account code stored in program [310] “Account Codes”, or just the index of the account code on SMDR printout.



Default CODE



- The printing of the index of the account code only occurs if the extension user entered their account code in the “Verify-All” or “Verify-Toll (Call Barring)” input mode as programmed in [605] “Account Code Entry Mode”.



• Feature References

Section 3, Features

Account Code Entry, Station Message Detail Recording (SMDR)

[806] SMDR Language Assignment

Selects the language, **English**, **Spanish** or **Portuguese**, used for an SMDR printout.

8 **0** **6** **NEXT** **SELECT** **STORE** **END**

(**English**/Spanish
Portuguese)

Default English



• **Feature References**

Section 3, Features

Language Selection, Station Message Detail Recording (SMDR)

[998] ROM Version

Confirms the system ROM version.

9 **9** **8** **NEXT** **END**

Display example:

Y551JA 990620 (E)

Version Date

[999] System Data Clear

Resets all or a specific area of the current assigned data to the default settings. The areas are as follows.

All Para : Resets all data to the default settings.

System Para: Resets all data to the default settings except for the data of the following 4 parameters.

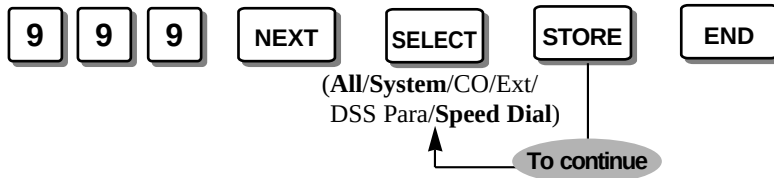
CO Para: Resets programs [400] through [403] and [405] through [424] to the default settings on an exchange line basis.

Ext Para: Resets programs [102], [516] and [600] through [615] to the default settings on an extension basis.

DSS Para: Resets the assigned data on the DSS buttons and PF buttons on the DSS console.

Speed Dial : Resets the System Speed Dialling numbers (00 through 99) assigned in program [001].

< To select All, System parameter and/or Speed Dial. >



< To select the CO (exchange line) parameter. >



< To select the Extension parameter. >



< To select the DSS parameter. >



*1 Exchange line number: 1 through 6 / * (All exchange lines)

*2 Extension port number: 01 through 24 / * (All extension ports)

*3 DSS console number: 1 through 2 / * (Both DSS console numbers)



• This program and [804] “System Data Dump” are not included.

• **Feature Reference**

Section 3, Features

System Data Default Set

