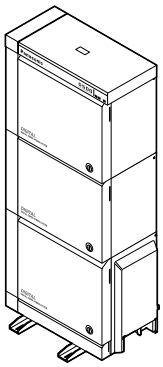
Panasonic



Digital Super Hybrid System

User Manual

Model No. KX-TD500

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

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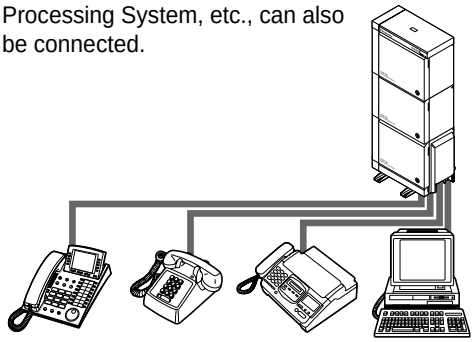
Thank you for purchasing the Panasonic Digital Super Hybrid System.

Telephones

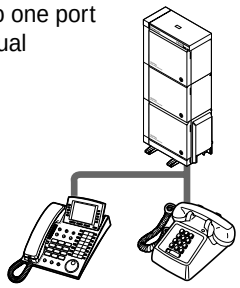
This system can connect Panasonic Digital and Analogue Proprietary Telephones.
Single line devices such as a Single Line Telephone, facsimile, cordless telephone, Voice Processing System, etc., can also be connected.



☞ "1.2 Connection Example."

More Extensions

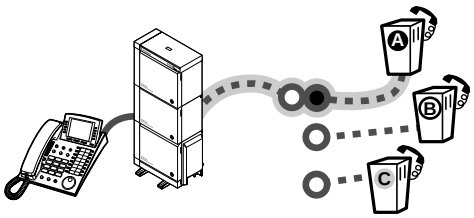
This system can double the extension capacity by connecting a Proprietary Telephone and a Single Line Telephone. The Proprietary Telephone can share the extension with another Single Line Telephone. Furthermore, you can connect a Panasonic Digital Proprietary Telephone and a Single Line Telephone to one port and use them as individual extensions.



☞ "1.3 Adding Another Telephone in Parallel."

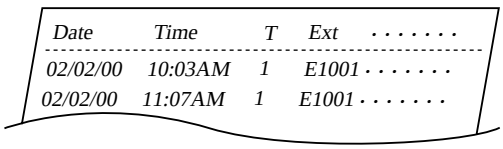
Saves on telephone charges
(Automatic Route Selection)

This system chooses the most cost-effective carrier based on the outside number dialled and the time called.



Call Record
(SMDR [Station Message Detail Recording])

This system can record or print out call information: date, time, extension no., dialled no., duration, etc.



Date	*Time*	*T*	*Ext*	. . . . .
02/02/00	*10:03AM*	*1*	*E1001*	. . . . .
02/02/00	*11:07AM*	*1*	*E1001*	. . . . .

☞ Page 28.

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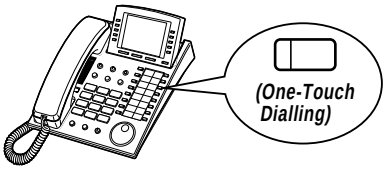
Saves Time

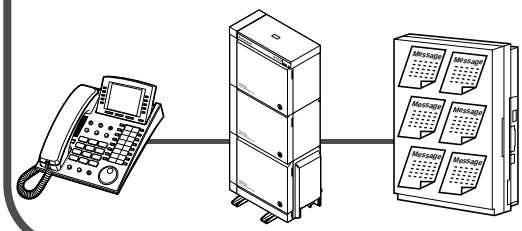
Many useful features support your operations and eliminate tasks. For example, easy dialling with memory and re-dialling to busy parties.



☞ "Operation."

VPS Integration

You can forward your call to a Voice Processing System and let callers leave their messages in your mailbox when you are unable to receive calls.



☞ "VPS Integration" in "2.8.3 If a Voice Processing System is Connected."

Notes

- In this manual, the suffix of each model number is omitted.
- Throughout this manual the term "he" or "she," "his" or "her" may be used.
  In order to improve readability rather than continually use he/she we have only used one of these terms. The term "he" or "she" should be taken as being interchangeable.

Warning
This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

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CE

This product is designed to interwork with the:

- Greek analogue Public Switched Telephone Network (PSTN)
- Pan-European Integrated Services Digital Network (ISDN) using ISDN basic rate access
- Pan-European Integrated Services Digital Network (ISDN) using ISDN primary rate access

Notice:
CE Standards do not apply to the following models:
KX-TD500X, KX-TD500X-BR, KX-TD500HK.

We, Panasonic Communications Co., Ltd., declare that this equipment is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
If you want to get a copy of the original Declaration of Conformity of our products which relates to the R&TTE, please contact to our web address:

http://doc.panasonic-tc.de

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Important Information

WARNING

THIS UNIT MAY ONLY BE INSTALLED AND SERVICED BY QUALIFIED SERVICE PERSONNEL.

WHEN A FAILURE OCCURS WHICH RESULTS IN THE INTERNAL PARTS BECOMING ACCESSIBLE, DISCONNECT THE POWER SUPPLY CORD IMMEDIATELY AND RETURN THIS UNIT TO YOUR DEALER.

DISCONNECT THE TELECOM CONNECTION BEFORE DISCONNECTING THE POWER CONNECTION PRIOR TO RELOCATING THE EQUIPMENT, AND RECONNECT THE POWER FIRST.

THIS UNIT IS EQUIPPED WITH AN EARTHING CONTACT PLUG. FOR SAFETY REASONS THIS PLUG MUST ONLY BE CONNECTED TO AN EARTHING CONTACT SOCKET WHICH HAS BEEN INSTALLED ACCORDING TO REGULATIONS.

THE POWER SUPPLY CORD IS USED AS THE MAIN DISCONNECT DEVICE. ENSURE THAT THE SOCKET-OUTLET IS LOCATED / INSTALLED NEAR THE EQUIPMENT AND IS EASILY ACCESSIBLE.

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

Safety Instructions

When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury to persons, including the following:

1. Do not use this product near water, for example, near a both tub, wash bowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool.
2. Avoid using a telephone (other than a cordless type) during an electric storm. There may be a remote risk of electric shock from lightning.
3. Do not use the telephone to report a gas leak in the vicinity of the leak.
4. Use only the power cord and batteries indicated in this manual. Do not dispose of batteries in a fire. They may explode. Check with local codes for possible special disposal instructions.

SAVE THESE INSTRUCTIONS

[Icon Descriptions]

The following icons are used frequently in this manual.

Hints

Conditions

Programming References

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Attention

- Keep the unit away from heating appliances and electrical noise generating devices such as fluorescent lamps, motors and televisions. These noise sources can interfere with the performance of the unit.
- This unit should be kept free of dust, moisture, high temperature (more than 40 °C) and vibration, and should not be exposed to direct sunlight.
- Never attempt to insert wires, pins, etc., into the vents or holes of this unit.
- If there is any trouble, disconnect the unit from the telephone line. Plug the telephone directly into the telephone line. If the telephone operates properly, do not reconnect the unit to the line until the problem has been repaired. If the telephone does not operate properly, chances are that the problem is in the telephone system, and not in the unit.
- Do not use benzine, thinner, or any abrasive powder to clean the cabinet. Wipe it with a soft cloth.
- Do not use any handset other than a Panasonic handset.

The serial number of this product may be found on the label affixed to the bottom of the unit. You should note the model number and the serial number of this unit in the space provided and retain this manual as a permanent record of your purchase, to aid in identification in the event of theft.

MODEL No.: _____

SERIAL No.: _____

For your future reference

SERIAL No. _____
(Found on the bottom of the unit)

DATE OF PURCHASE _____

NAME OF DEALER _____

DEALER'S ADDRESS _____

_____

_____

_____

DEALER'S TELEPHONE No. _____

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Section 1

OVERVIEW

This section briefly outlines your system.

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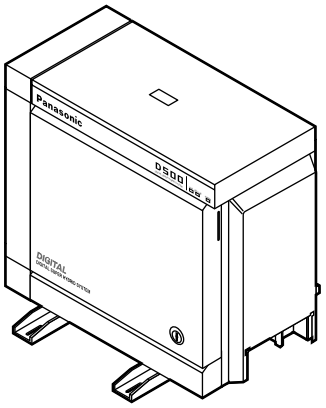
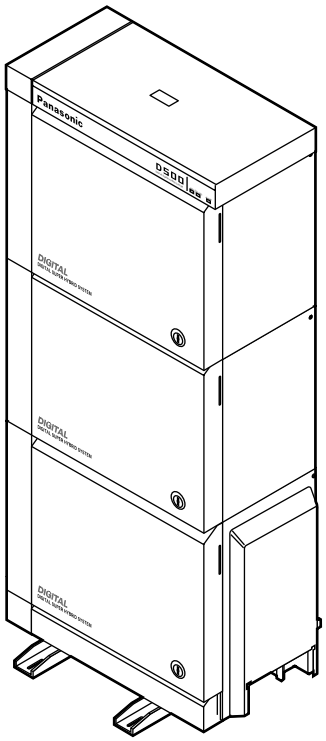
1.1 Capacity

The KX-TD500 system can consist of one, two, or three shelves (Basic and Expansion 1/2). Each shelf contains its own power supply. **[Building Block System]**



Basic System



3-Shelf System

Basic System

Basic System consists of one Shelf called Basic Shelf.
You can connect up to 192 lines (including Extensions and CO lines) to the Basic System.

3-Shelf System

The KX-TD500 system's capacity can be expanded by installing up to two Expansion Shelves on the Basic Shelf. Fully expanded system (Basic Shelf + Expansion Shelf 1 + Expansion Shelf 2) is called "3-Shelf System."
You can connect up to 512 lines (including Extensions and CO lines) to the 3-Shelf System.

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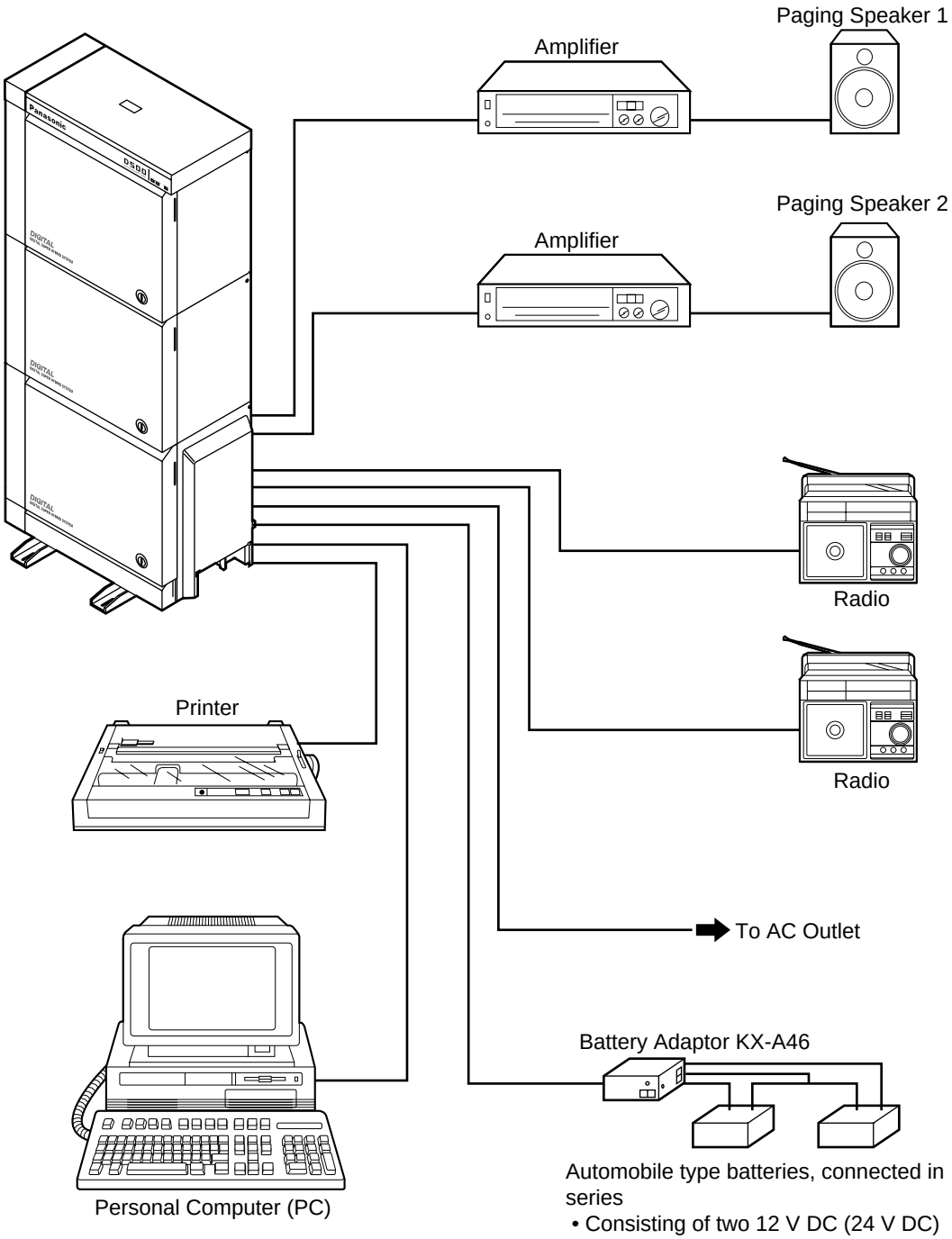
1.2 Connection Example

This diagram shows you a connection example including optional equipment.



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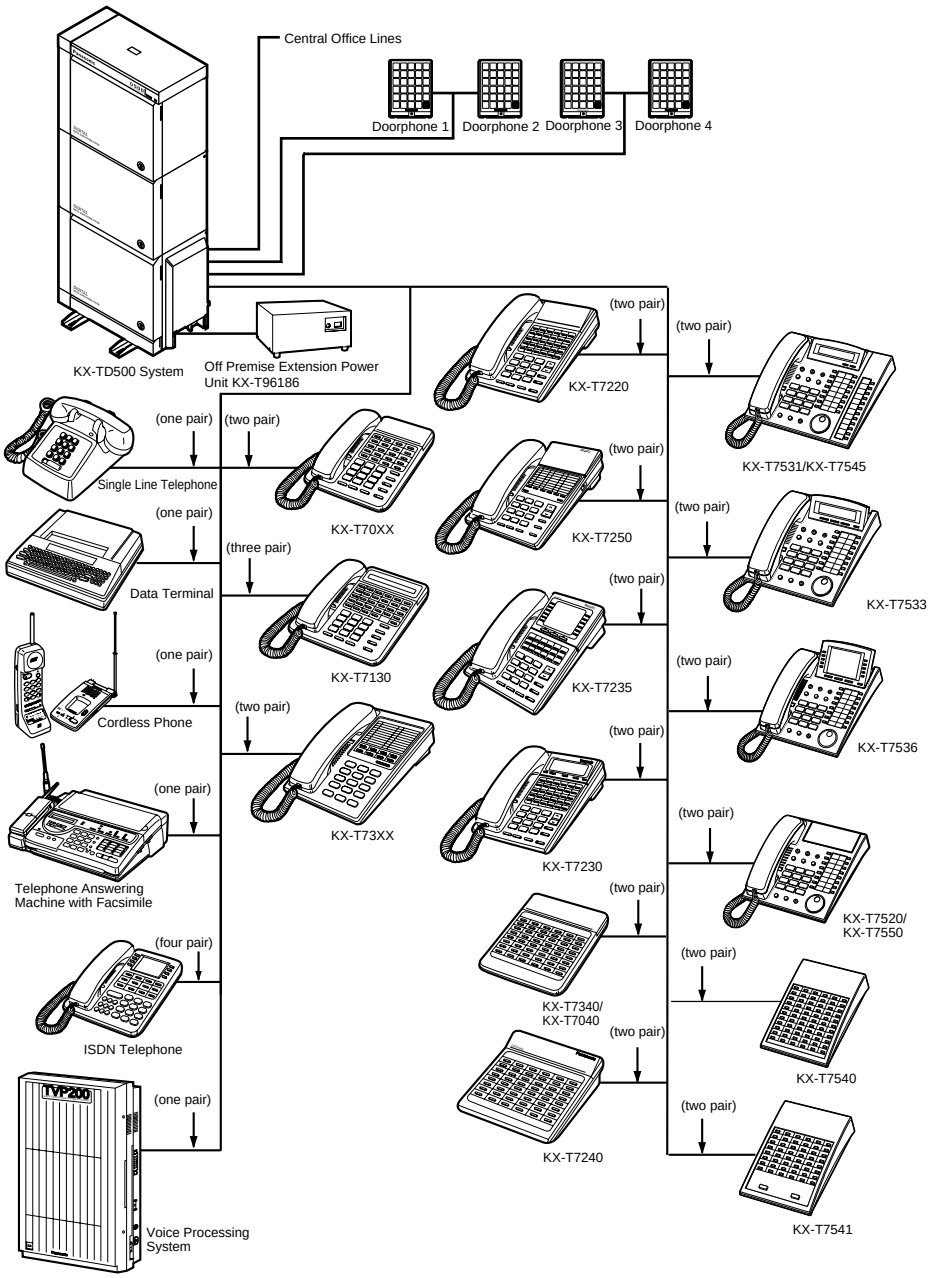

Parallel connections of extension is available. Please refer to "1.3 Adding Another Telephone in Parallel" for further information.

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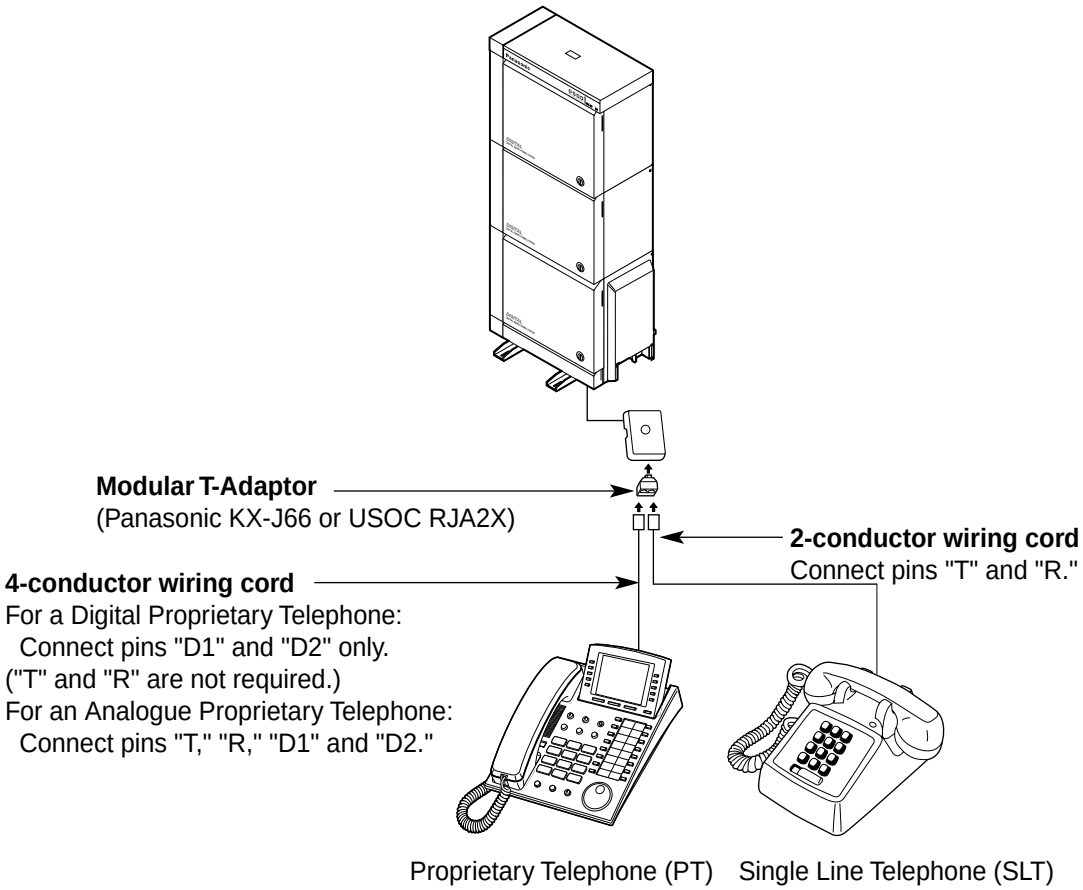
1.3 Adding Another Telephone in Parallel

A Panasonic Proprietary Telephone and a Single Line Telephone, including a facsimile, cordless telephone, etc., can be connected to one extension jack in parallel. There are two types of parallel connections.

- **Parallelled Telephone Connection**
  Any Proprietary Telephone and a Single Line Telephone
  These telephones share the same extension number. Follow Method 1 or 2.
  To ring the Single Line Telephone, set to ring (on) if necessary. (Please refer to "2.7.13 Setting the Parallel Connected Telephone Ringer (Parallelled Telephone Connection).")
- **EXtra Device Port (XDP)**
  Digital Proprietary Telephone and a Single Line Telephone
  Each telephone has a different extension number and can work individually. For more information, contact your dealer. Follow Method 2 or 3.

Method 1



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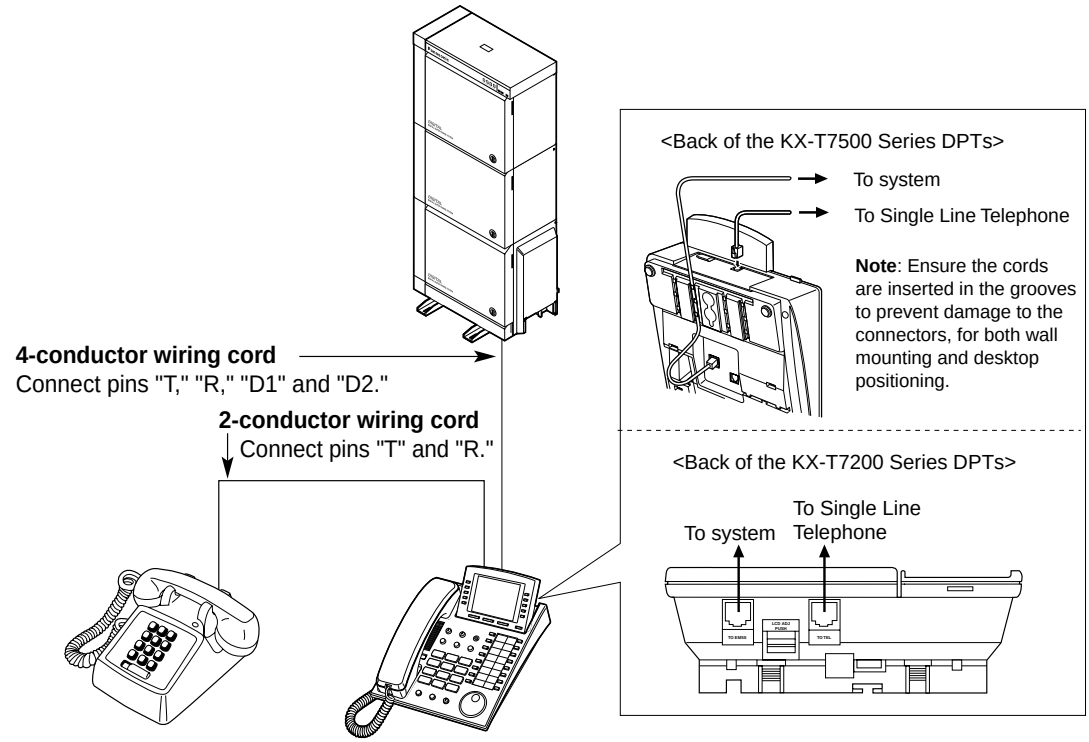
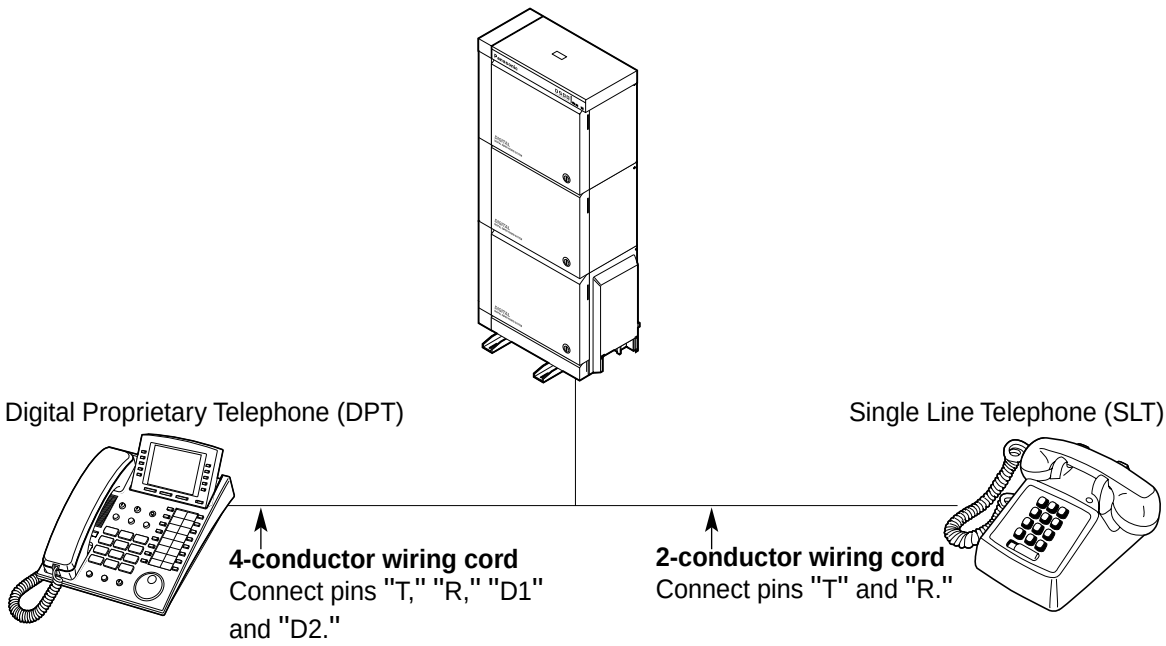
Method 2



Method 3



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Section 2

Operation

This chapter shows you how to operate each feature step by step. Read this chapter to become familiar with the many useful features of this system.

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2.1 Before Operating the Telephones

What kind of telephone can be used?

You can use a Single Line Telephone (SLT), such as a rotary pulse telephone or a Panasonic Proprietary Telephone (PT) such as the KX-T7536. Operate the feature depending on the telephone you are using. If you are using a Panasonic Proprietary Telephone with a special function button such as REDIAL and/or has a display (Display PT), you can follow the operation with the button or display messages for easy programming.
If you use a large display telephone (e.g., KX-T7536), you can follow the displayed messages to operate the features.
If your telephone does not have function buttons and/or a display, you may operate the unit by entering a feature number instead. Follow the available operation with your telephone. If you use a DSS Console, you can use the buttons on the DSS Console as the buttons on the connected Proprietary Telephone.

- If you use a Panasonic Proprietary Telephone which does not have function buttons, you may change one of the unused flexible buttons to a function button. Please refer to "4.1.2 Customising the Buttons."

For ISDN Extension Users

The KX-TD500 System also supports the connection of Terminal Equipment with separate power supplies. For example, ISDN Telephones, G4 Facsimiles or Personal Computers which are connected to an ISDN S0 bus on a BRI (Basic Rate Interface) card (KX-TD50288CE). A maximum of eight Terminal Equipment can be connected to each ISDN S0 bus with Point-to-MultiPoint configuration. However, only up to two Terminal Equipment can be used simultaneously. Each Terminal Equipment connected to the S0 bus can be addressed individually with Multiple Subscriber Numbers (MSN). The MSN consists of the ISDN extension number and an additional digit, 0 through 9.
If MSN is not assigned, all equipment on the same S0 bus are called simultaneously.

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The functions of Terminal Equipment are similar to Single Line Telephone functions except for the following features:

- Absent Message
- Alternate Calling - Ring / Voice
- Automatic Callback Busy
- Call Forwarding
- Call Hold
- Call Hold Retrieve
- Call Log Incoming, Log Lock
- Call Park
- Call Pickup
- Call Transfer
- Call Waiting
- Caller ID
- Charge Fee Reference
- Conference
- Data Line Security
- DIL 1:N Service
- Do Not Disturb (DND)
- Executive Busy Override
- Extension Group / Incoming Group Service (Hunting, Operator, Ring, UCD)
- External Feature Access (EFA)
- EXtra Device Port (XDP)
- Log-In / Log-Out
- Manager Extension
- Message Waiting
- Paging - Group Answer
- Phantom Extension
- Parallelled Telephone
- Pickup Dialling
- Released Link Operation
- Remote Station Lock
- Timed Reminder
- Trunk Answer From Any Station (TAFAS)
- Voice Mail Service

Feature Numbers

To operate certain features, you need to enter specified feature numbers (and an additional parameter, if required).
There are two categories of feature numbers as follows:

- Flexible Feature Numbers (Please refer to "5.2 Feature Numbers List.")
- Fixed Feature Numbers (Please refer to "5.2 Feature Numbers List.")

Flexible feature numbers can be changed to other numbers for easier use by System Programming. There are two types of fixed feature numbers list in the System and either one of them can be selected by System Programming. If you want to change the feature numbers, consult your dealer. In this manual, the default numbers (factory installed) are used for operations.

A flexible number is shown as **0** (half-shaded key). Use the new programmed number if you have changed the feature number. Write the new number in "5.2 Feature Numbers List."

If you use a Single Line Telephone which does not have the "✳" or "#" keys;
it is not possible to access features that have "✳" or "#" in their feature numbers.

Tones

You will hear various tones, during or after an operation, for confirmation. Please refer to "5.4 What is This Tone?."

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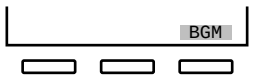
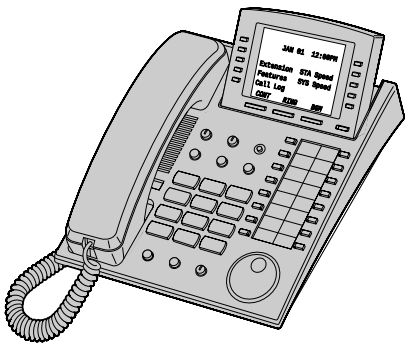
Display

In this manual, you will see "the display ..." This refers to the display of a Panasonic Proprietary Telephone. If your telephone is not a Panasonic Proprietary Telephone with a display, the message will not be displayed.

If you use a Panasonic Display Proprietary Telephone (Display PT), the display helps you confirm the settings. For example, when you set the Do Not Disturb feature, the display shows "Do Not Disturb." Some Proprietary Telephones also give you easy access to operations. A message is displayed depending on the operation. By pressing the corresponding button on the side or bottom of the display, or rotating a jog dial, you can access the desired feature. For example, if turning background music on becomes available, "BGM" will be shown on the display. Follow the instructions in each operation.



Furthermore, depending on the Display Proprietary Telephone, you can operate features or make calls using the display message. Please refer to "2.10 Using the Display Proprietary Telephone."



Restrictions

Some features may be restricted at your extension by System Programming. Consult your System Manager or dealer.

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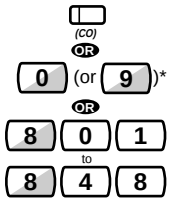
Icon Descriptions

The following icons show you the feature availability, notes and action to operate the features.

	This feature cannot be operated with a Single Line Telephone.		Seize an external line (One of the following). • Press the CO button. • Dial automatic line access number 0 (or 9).* *) 0: [SA], 9: Others • Dial trunk group access number 801 to 848.
	Related Programming Title Please refer to "4 Customising Your Phone & System," if necessary.		
	Off-hook (One of the following). • Lift the handset. • Press the SP-PHONE button. • Press the MONITOR button. (To start talking, lift the handset.)		Press the Call button on the Doorphone.
	On-hook (One of the following). • Hang up. • Press the SP-PHONE button. • Press the MONITOR button.		Press the switchhook lightly.
	Press the corresponding function button on the Proprietary Telephone. (Please refer to "When You Use a Panasonic Proprietary Telephone" in this section.)		Wait for an answer.
desired no.	Enter the required number. <Example> account code Enter the account code. extension no. Dial an extension number. phone no. Dial the telephone number. group no. Dial the group number.		Talk.
	One short beep		You will hear a confirmation, dial, ring or ringback tone. C. Tone: confirmation tone D. Tone: dial tone R. Tone: ring tone R. B. Tone: ringback tone

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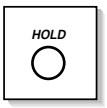
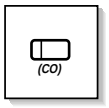
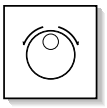
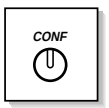
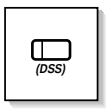
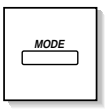
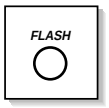
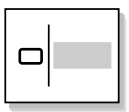
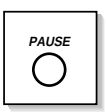
When You Use a Panasonic Proprietary Telephone

When you use a Panasonic Proprietary Telephone and the DSS Console, they may have some of the useful function buttons listed below. These buttons make operations simple. The illustrations may differ from the buttons on your telephone.

	Used to answer an incoming call.		Call Forwarding/Do Not Disturb: Used to perform Call Forwarding or Do Not Disturb.
	Used to receive an incoming intercom call in the hands-free mode or mute the microphone during a conversation.		Used to place a call on hold.
	Used for System Speed Dialling or storing programme changes.		Used to make or receive an intercom call.
	CO: Used to make or receive an outside call. A Loop-CO button supports all lines. Pressing this button seizes an idle line automatically. (Button assignment is required.) Also used as the desired function buttons. (Button assignment is required.) (Only the CO "number" (e.g., 1, 2) may be shown on some telephones.)		Jog Dial: Used to adjust the volume and the display contrast or select desired items for each function.
	Conference: Used to establish a three-party or five-party conference call.		Used to leave a message waiting indication or call back the party who left the message waiting indication.
	DSS: Used to access the extension. (Only the "S" may be shown on some telephones.)		Used to shift the display to access various features. (KX-T7531 only)
	Used to send a flash signal to the Central Office or another connected PBX. Or used to disconnect the current call and make another call without hanging up.		Used for hands-free dialling. You can monitor the party's voice hands-free.
	Function: *Located beside the display*. Used to perform the displayed function or operation.		Used to insert a pause when storing a telephone number. This button also functions as the PROGRAM button when there is no PROGRAM button on your telephone.

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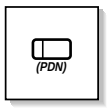
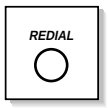
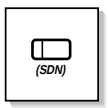
	Used to enter and exit the Station/User Programming mode.		Primary Directory Number: Used to make or receive an intercom / outside call. This button can also be used to set / cancel various features available for the extension.
	PF (Programmable Feature): *Located on the upper part of the CO button array or on the DSS Console*. Assigns the desired button and used to access the stored function. Mostly used as a One-Touch dialling button. (Only the "F and number" may be shown on some telephones.)		Soft: Used to perform a function or operation appearing on the bottom line of the display.
	Used to redial.		Speakerphone: Used for the hands-free operation.
	Used to disconnect the line.		Used to transfer a call to another party.
	Used to store a dialled phone number and redial.		Used to monitor an intercom call automatically, but it cannot be used for hands-free conversations. It also mutes the handset microphone during a conversation. (KX-T7550, KX-T7560 only)
	Secondary Directory Number: A copy of the other extension's PDN button. Acts as a proxy of the owner PDN button.		Used to adjust the volume of the telephone speaker, handset receiver, headset or ringer. This button can also be used to adjust the display contrast.
	Used to select the displayed function or to call the displayed phone number. (KX-T7531 only)	If the term is in parentheses like (Account) in this section, it means a flexible button has been made into an "Account" button.	
	Used to alternate between the subfunctions on the display.		

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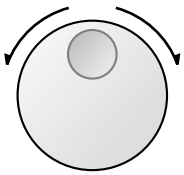
Using a Jog Dial

The Jog Dial can be used for the display contrast and the volume control or you can search for desired items on the display. Rotate the Jog Dial in the either direction as desired. The contrast or the volume level and the items will change as follows:



Left
(anticlockwise)

Level **decreases**

To the **previous** item

Right
(clockwise)

Level **increases**

To the **next** item

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How to Follow the Steps

A sample operation is shown below.

Feature title

2.2.5 Calling Without Restrictions

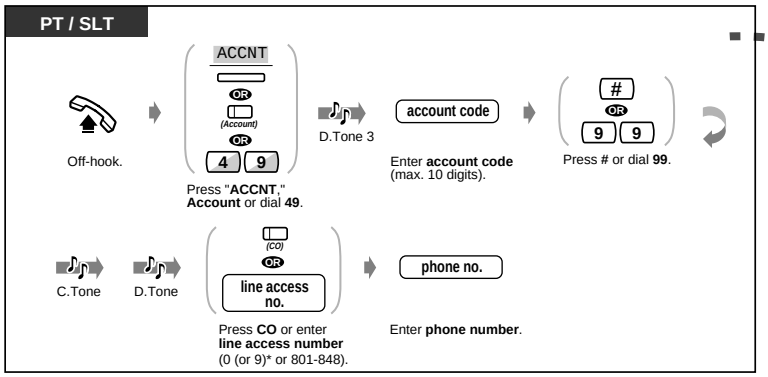
Sub feature title

— Using an account code
— Using your calling privilege at another extension
— To call an extension who is refusing to receive the call
— Changing the dialling mode

Using an account code (Account Code Entry)

An Account Code gives information about outside calls for accounting and billing purposes. You may not be able to make an outside call without an account code entry depending on your account code entry mode. One of three modes is assigned to each extension by System Programming. Ask your System Manager about your mode.

Description



*) 0: [SA], 9: Others

Operation steps
The descriptions of the icons are explained on page 19.

Conditions

- **A Panasonic proprietary telephone user** can enter an account code during a conversation and when hearing a reorder tone after the other party hangs up.
- **If you enter the wrong code**, press the "*" key while entering the account code and then re-enter the code.
- **To cancel the entry**, press the Account button <PT> or press the switchhook lightly <SLT>; while entering the code.
- **For your convenience**, you can store the code with the phone number in memory (e.g., Speed dialling).
- **If you hear a reorder tone**, the entered account code is wrong. Enter the correct code.
- The delimiter "99" is available for rotary type SLTs only.

Hints

- The System Manager may give a specified account code to you and check your telephone usage. The System Manager can specify an account code to each client and check the call duration.

4.1 Customising Your Phone (Station Programming)
• 4.1.2 Customising the Buttons
Create or re-arrange an Account button.
4.3 Customising Your System (User Programming)
• 4.3.5 Flexible CO Button Assignment (005)

Programming References: The related or required programming is noted. To programme, please refer to "4 Customising Your Phone & System."

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2.2 Making Calls

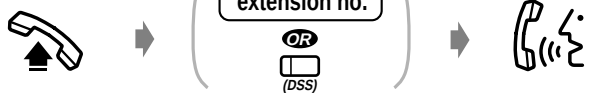
2.2.1 Basic Calling

— Calling another extension — Calling an external party

Calling another extension

To another extension (Intercom Call)

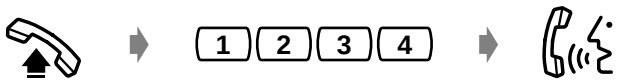
PT / SLT



Off-hook. Enter **extension number** or press **DSS**. Talk.

<Example>
When you call Mr. Thomas....
Mr. Thomas's extension number is 1234.

PT / SLT



Off-hook. Dial **1234**. Talk.

- The DSS button light shows the current status as follows:
  Off: The extension is idle.
  Red on: You or another extension is using the line.

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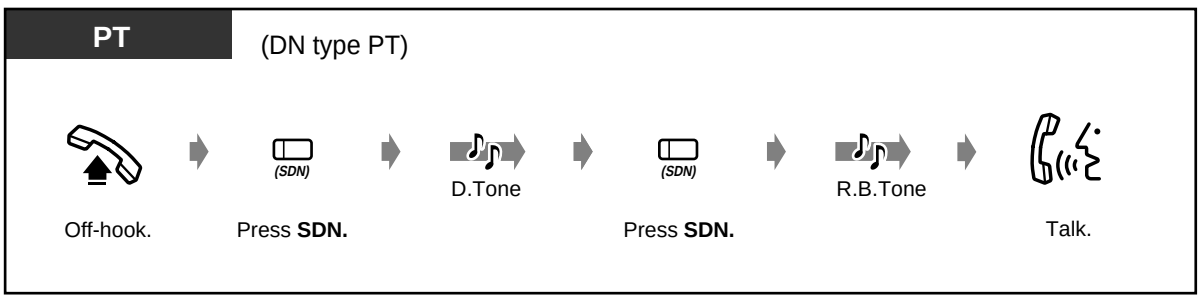
- **Hands-free operation**
  To keep your hands-free, press the SP-PHONE button instead of lifting the handset. You can then perform other tasks at the same time.
  Helpful hints for the hands-free operation
  Use your telephone in a quiet room for best performance.
  If the other party has difficulty hearing you, decrease the volume.
  If you and the other party talk at the same time, parts of your conversation will be lost. To avoid this, talk alternately.
- **Do you have an extension directory?**
  Complete the directory on "Extension" in "5.3 Directory" and make a photo copy for your reference.
- **For quick operation**
  If you are an Operator or dial some extensions frequently, the DSS button is useful.

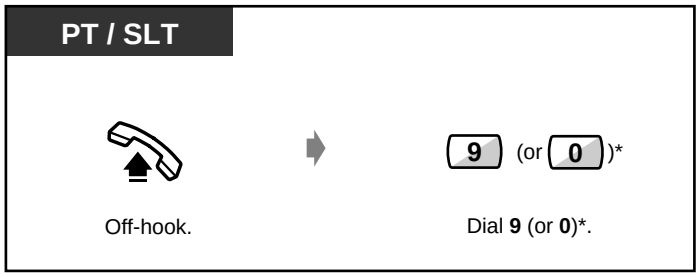
4.1 Customising Your Phone (Station Programming)
- 4.1.1 Initial Settings—**Full One-Touch Dialling Assignment**
  Allow or cancel the one-touch operation while on-hook. (Default: Allow)
- 4.1.2 Customising the Buttons
  Create or re-arrange a DSS button.
  Create or re-arrange a PDN button.
  Create or re-arrange a SDN button.

4.3 Customising Your System (User Programming)
- 4.3.5 Flexible CO Button Assignment (005)

◆ *To another extension (PDN Call)*



◆ *To an Operator (Operator Call)*



*) 9: [SA], 0: Others

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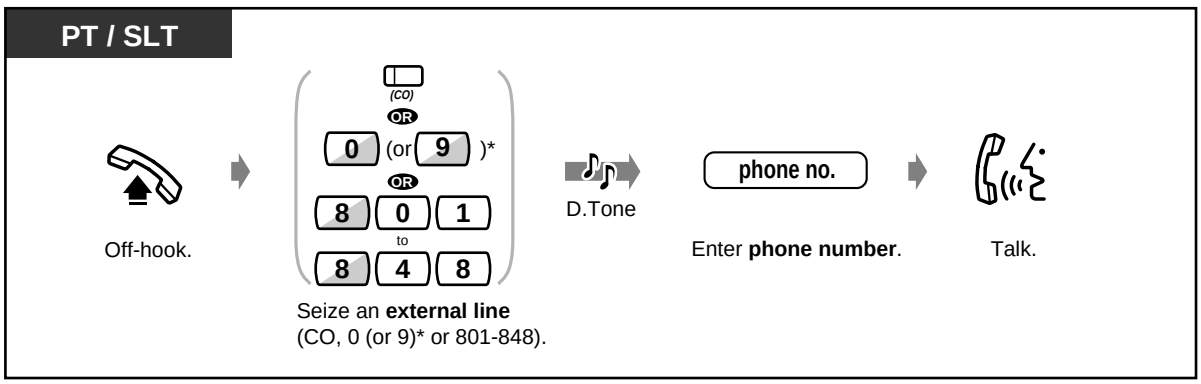
Calling an external party

You have to seize an outside line before dialling an outside phone number because external calls are made via your system.
Select one of the following methods:

- Press an idle (CO) button.
- Dial automatic line access number 0 (or 9).*
  An idle line is selected automatically.
  *) 0: [SA], 9: Others
- Dial trunk group access number 8 0 1 to 8 4 8.
  A specific line is selected.



*) 0: [SA], 9: Others

- The CO button light shows the current status as follows:
  Off: The line is idle.
  Green on: You are using the line.
  Red on: The line is in use.
- **Emergency call**
  You can dial pre-programmed emergency numbers without any restrictions.

- **Hands-free operation**
  To keep your hands free, press the SP-PHONE button instead of lifting the handset. You can then perform other tasks at the same time.
  Helpful hints for hands-free operation
  Use your telephone in a quiet room for best performance.
  If the other party has difficulty hearing you, decrease the volume.
  If you and the other party talk at the same time, parts of your conversation will be lost. To avoid this, talk alternately.
- **To select the less expensive line automatically,** dial "0 (or 9)*" or press the Loop-CO button to seize a line. **(Automatic Route Selection)**
  *) 0: [SA], 9: Others
- **If you misdial,** press the FLASH button <PT>; or press the switchhook lightly <SLT>; and then dial the number again. The line will remain engaged.

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4.1 Customising Your Phone (Station Programming)

- 4.1.1 Initial Settings—**Preferred Line Assignment – Outgoing**
  Select the seized line when going off-hook.
- 4.1.2 Customising the Buttons
  You can re-arrange the CO button assignment and change the ringing tone for each CO button.

4.3 Customising Your System (User Programming)

- 4.3.2 System Speed Dialling Number Set (001)
- 4.3.3 System Speed Dialling Name Set (002)
- 4.3.5 Flexible CO Button Assignment (005)

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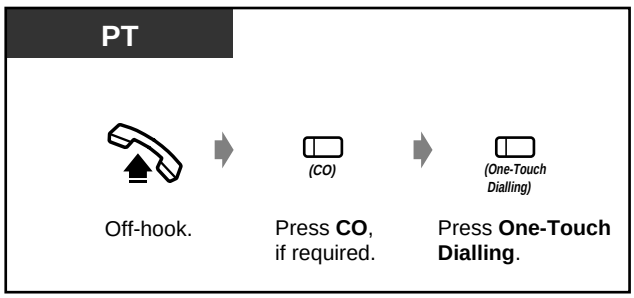
2.2.2 Easy Dialling

This is convenient for frequently dialled phone numbers.

— With one button
— Using numbers stored at your extension
— Using numbers stored in the system
— To a pre-set party by going off-hook
— Using a single digit number
— To a Phantom extension

With one button (One-Touch Dialling)



- More than one one-touch dialling button can be used for long telephone number, if the number is divided when stored.

4.1 Customising Your Phone (Station Programming)
- 4.1.1 Initial Settings—**Full One-Touch Dialling Assignment**
  Allow or cancel the one-touch operation while on-hook. (Default: Allow)
- 4.1.2 Customising the Buttons
  Create or re-arrange the One-Touch Dialling button and store the desired number, phone number, feature number, etc.

4.3 Customising Your System (User Programming)
- 4.3.5 Flexible CO Button Assignment (005)

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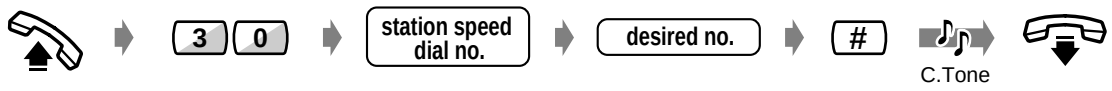
Using numbers stored at your extension (Station Speed Dialling)

You can store up to 10 numbers at your extension for your personal use.

To store a phone number

PT / SLT



Off-hook. Dial **30**. Enter **station speed dial number** (0-9). Enter the **desired number**. Dial #. On-hook.

Enter a line access number (0 (or 9)* or 801 to 848) as the first digit before an external party number.

*) 0: [SA], 9: Others

- "✳" and PAUSE can also be stored as digits.
- Telephone Directory for "Station Speed Dialling" is provided in "5.3 Directory."

To dial

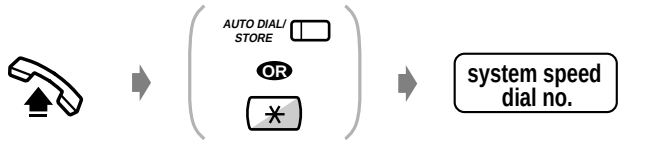
PT / SLT

Off-hook. Dial **3✳**. Enter **station speed dial number** (0-9).

Using numbers stored in the system (System Speed Dialling)

You can make a call using speed dial numbers (000 - 999) which are previously stored by System / User Programming.

PT / SLT



Off-hook. Press **AUTO DIAL** or dial ✳. Enter **system speed dial number** (000-999).

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- Each speed dial number can be up to 24 digits long.
- More than one speed dial number can be used for long telephone numbers, if the number is divided when stored.

  <Example>
  If the number is divided and stored in system speed dial numbers 001 and 002:

  AUTO DIAL/ STORE 0 0 1 AUTO DIAL/ STORE 0 0 2

- If "Tenant Service" is employed by System Programming, up to 2000 Speed Dialling codes can be shared among each tenant under the condition of up to 1000 codes (000-999) per tenant.

- Telephone Directory for "System Speed Dialling" is provided in "5.3 Directory."

4.3 Customising Your System (User Programming)
- 4.3.2 System Speed Dialling Number Set (001)
- 4.3.3 System Speed Dialling Name Set (002)

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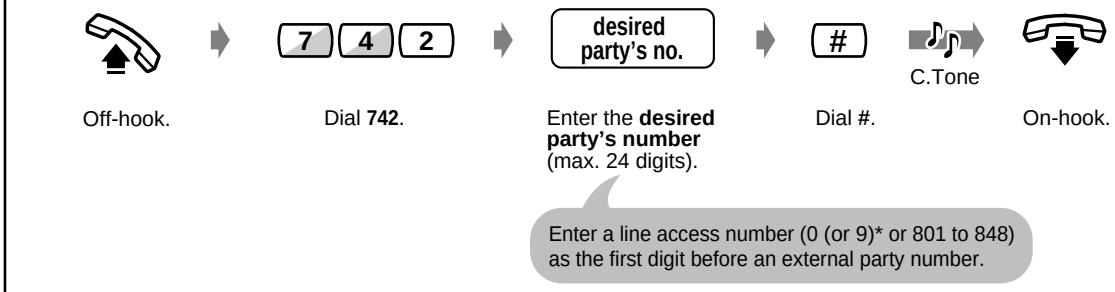
To a pre-set party by going off-hook (Pickup Dialling)

You can make an extension or outside call simply by going off-hook if you pre-assigned.

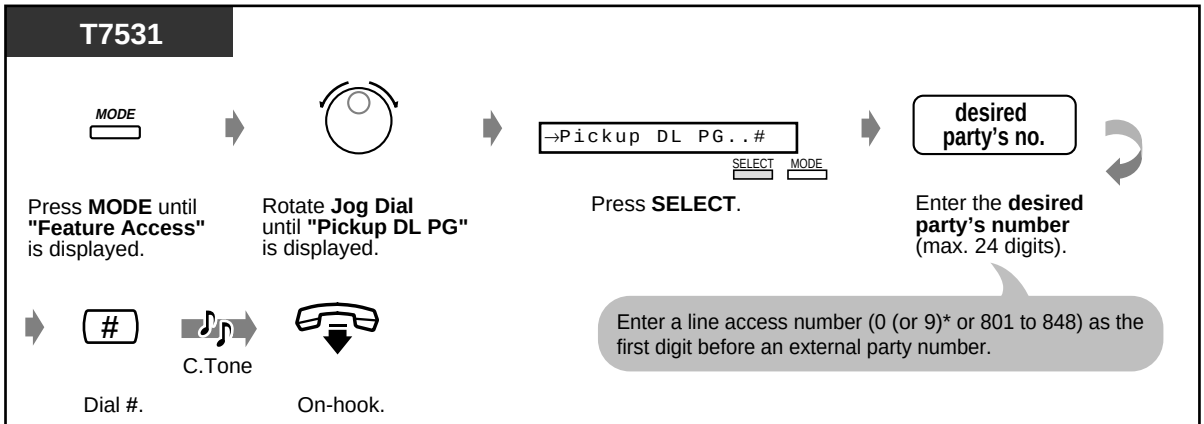
To store a phone number

PT / SLT



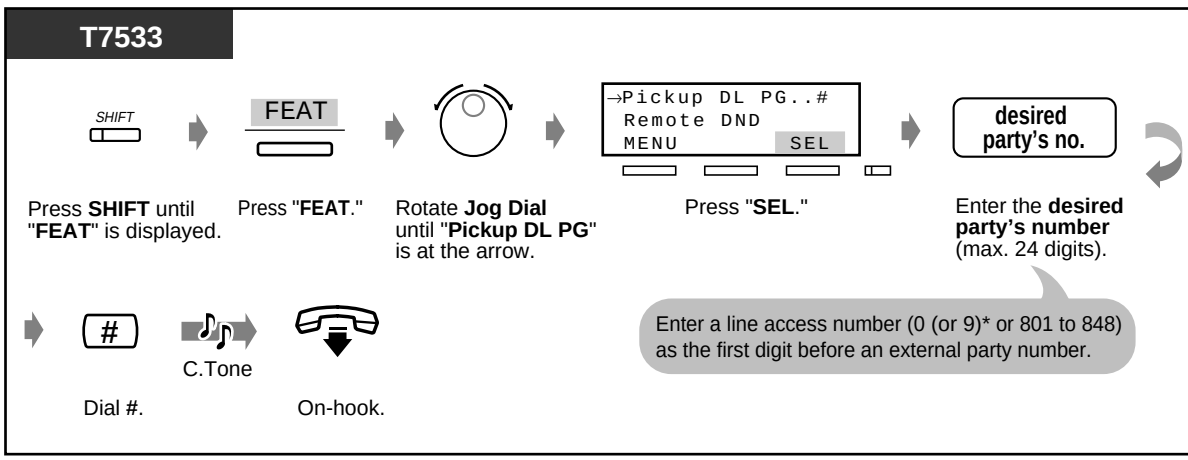
*) 0: [SA], 9: Others

T7531



*) 0: [SA], 9: Others

T7533



*) 0: [SA], 9: Others

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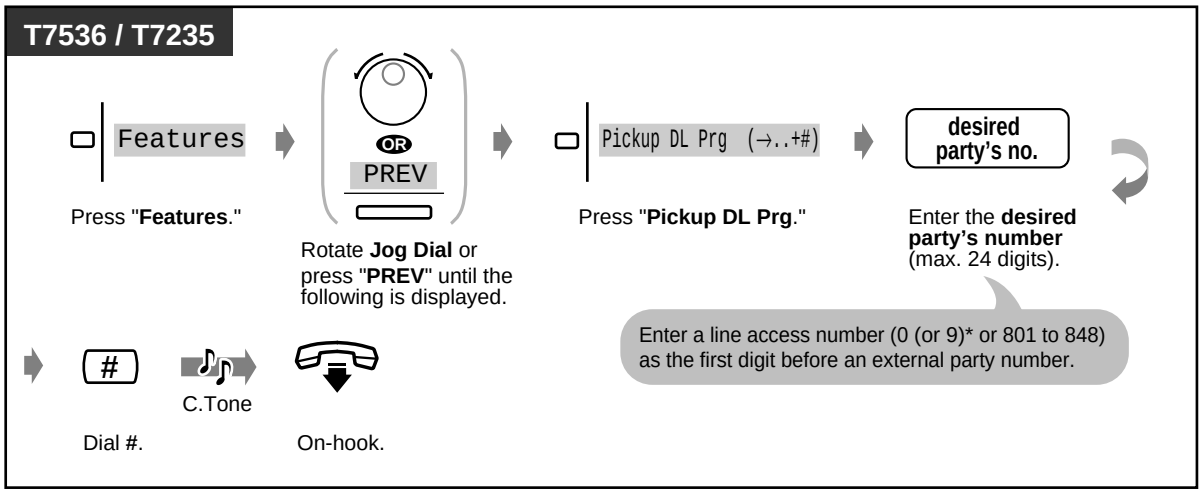
◆ *To store a phone number (contd.)*

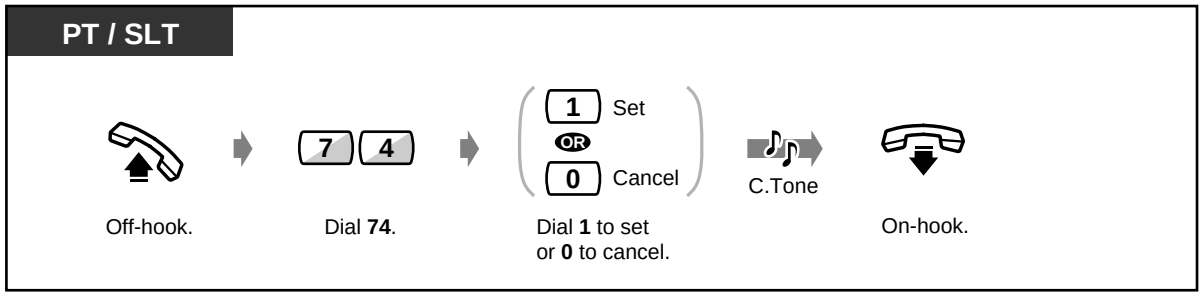
T7536 / T7235



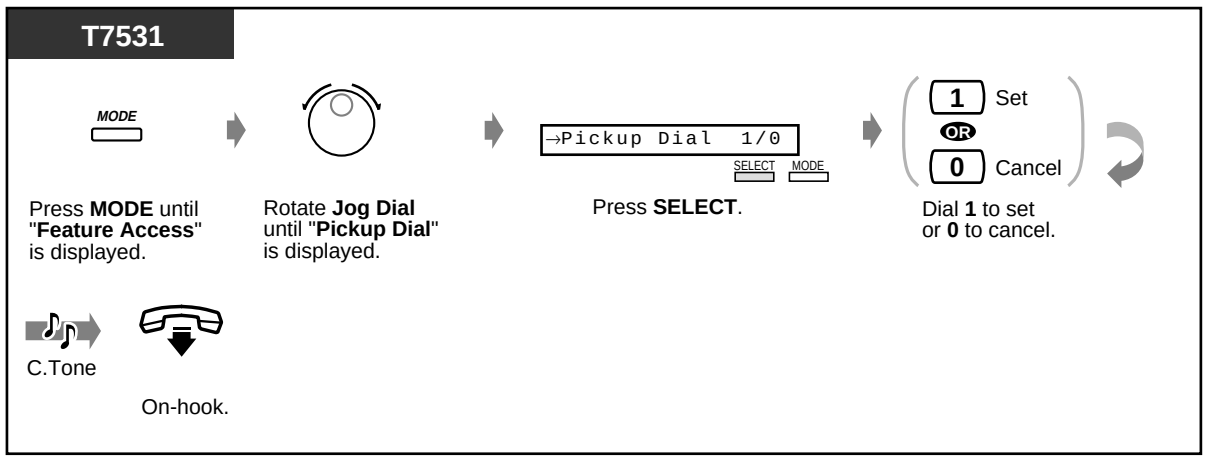
*) 0: [SA], 9: Others

◆ *To set/cancel*

PT / SLT



T7531



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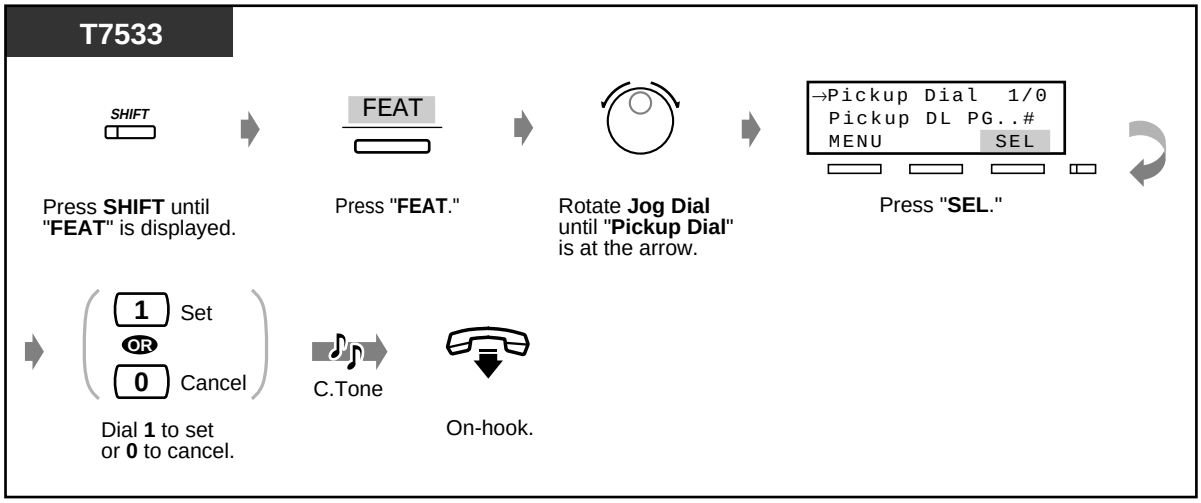
◆ *To set/cancel (contd.)*

T7533



Press **SHIFT** until "**FEAT**" is displayed.

Press "**FEAT**."

Rotate **Jog Dial** until "**Pickup Dial**" is at the arrow.

Press "**SEL**."

Dial **1** to set or **0** to cancel.

C.Tone

On-hook.

T7536 / T7235

Press "**Features**."

Rotate **Jog Dial** or press "**PREV**" until the following is displayed.

Press "**Pickup Dialing**."

Dial **1** to set or **0** to cancel.

C.Tone

On-hook.

◆ *To dial*

PT / SLT

Off-hook.

- **To call another party,** dial the desired party's phone number before the pre-set line is connected. (Default: 1 second)
- "✳" can also be stored as a digit.

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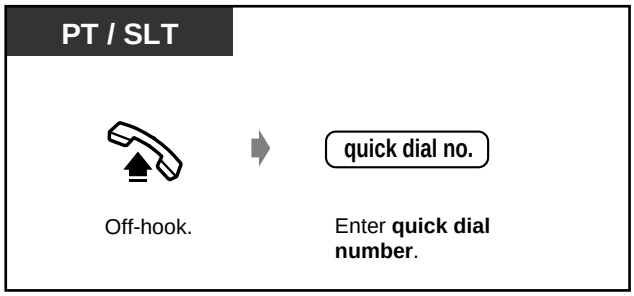
Using a single digit number (Quick Dialling)



4.3 Customising Your System (User Programming)
- 4.3.9 Quick Dial Number Set (009)

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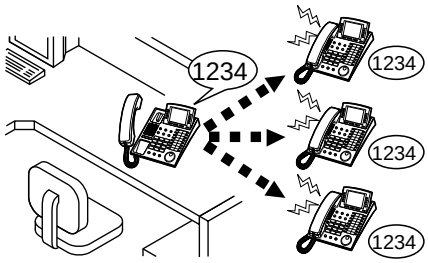
To a Phantom extension

You can call extensions associated with a Phantom extension. The call arrives at all extensions who have the same Phantom extension number.



◆ *To call a phantom extension*

PT / SLT

Off-hook.

(Phantom) OR **phantom extension no.**

Press **Phantom** or enter **phantom extension number.**

◆ *To answer*

PT / SLT

(Phantom) OR *(CO)* OR *INTERCOM* OR *(DN)* OR

Press **Phantom**. Press **CO.** Press **INTERCOM.** Press **DN.** Off-hook.

- The Phantom button light shows the current status as follows:
  Off: Idle
  Red on: You are calling a phantom extension.
  Flashing green: Incoming call
- A phantom number must be assigned by System Programming before assigning the phantom button by Station Programming.

4.1 Customising Your Phone (Station Programming)
- 4.1.2 Customising the Buttons
  Create or re-arrange a Phantom button.
  To set a phantom extension ringing or not (Digital Proprietary Telephone only)

4.3 Customising Your System (User Programming)
- 4.3.5 Flexible CO Button Assignment (005)

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2.2.3 Redial

This is convenient when calling the same external party again.
— Redialling the last outside phone number you dialled
— Saving the outside phone number for redialling

- Up to 24 digits can be saved and redialled. The line access number is not counted as a digit.

- **To redial automatically,** go off-hook with the SP-PHONE button and then press the REDIAL or Save button, or press the REDIAL or Save button directly. It will keep dialling the busy number until the called party answers within a specified time **(Automatic Redial)**. You can perform other tasks during automatic redialling. To cancel, press the FLASH button or perform another operation.

4.1 Customising Your Phone (Station Programming)
- 4.1.1 Initial Settings—**Full One-Touch Dialling Assignment**
  Allow or cancel the one-touch operation while on-hook. (Default: Allow)

Redialling the last outside phone number you dialled (Last Number Redial)

PT / SLT

Off-hook. Press **REDIAL** or **dial #**.

Saving the outside phone number for redialling (Saved Number Redial)

The saved number remains intact until another number is stored.

◆ ***To save***

PT

During a conversation or while hearing a busy tone

Press **STORE**. Press **Save**.

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◆ ***To dial***

PT

Off-hook.

Press **Save**.

4.1 Customising Your Phone (Station Programming)
- 4.1.2 Customising the Buttons
  Create or re-arrange a Save button.

4.3 Customising Your System (User Programming)
- 4.3.5 Flexible CO Button Assignment (005)

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2.2.4 When the Dialled Line is Busy or There is No Answer

— Reserving a busy line
— Sending a call waiting tone
— Leaving a message waiting indication
— Joining an existing call

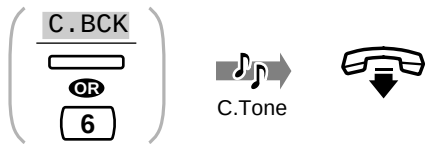
Reserving a busy line (Automatic Callback Busy)

You can set the telephone to receive callback ringing when a dialled line becomes idle.
When you answer the callback ringing:

For an outside call: The line is seized.
For an intercom call: The called extension starts ringing automatically.

PT / SLT

While hearing a busy tone



Press "**C.BCK**" or dial **6**. On-hook.

To answer and call

PT / SLT

● **Outside call**

Off-hook. Enter **phone number**.

● **Intercom call**

Off-hook.

- If you do not answer the recall ringing within 10 seconds (four rings), this feature will be cancelled.

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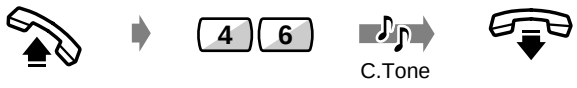
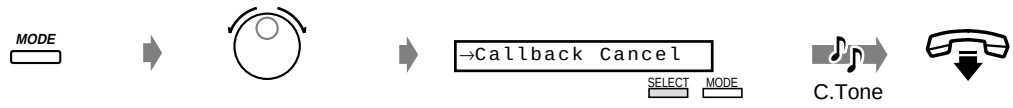
◆ *To cancel*

PT / SLT



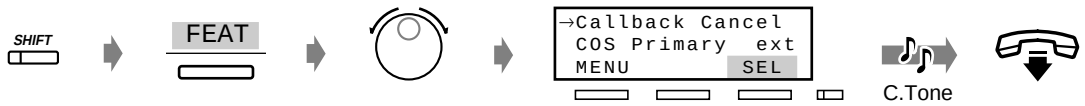
Off-hook. Dial **46**. On-hook.

T7531



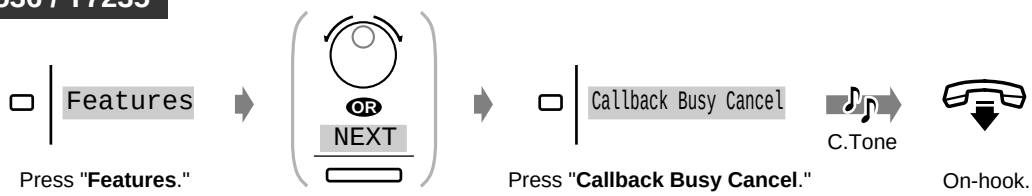
Press **MODE** until "**Feature Access**" is displayed. Rotate **Jog Dial** until "**Callback Cancel**" is displayed. Press **SELECT**. On-hook.

T7533



Press **SHIFT** until "**FEAT**" is displayed. Press "**FEAT**." Rotate **Jog Dial** until "**Callback Cancel**" is at the arrow. Press "**SEL**." On-hook.

T7536 / T7235



Press "**Features**." Rotate **Jog Dial** or press "**NEXT**" until the following is displayed. Press "**Callback Busy Cancel**." On-hook.

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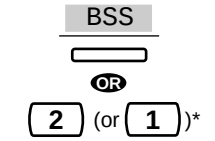
Sending a call waiting tone (Busy Station Signalling [BSS])

The other party will know your call is waiting.

PT / SLT

While hearing a busy tone



Press "**BSS**" or dial **2** (or **1**)*.

*) 2: [SA], 1: Others

- **If "BSS" is not displayed or you hear a reorder tone,** this feature is not set at the other party's phone. This feature is only available if the called extension has set the "Call Waiting" feature.
- **Depending on the other party's telephone,** the "Off-Hook Call Announcement [OHCA]" or the "Whisper OHCA" function can be applied. You can talk to the other party through the speaker and the microphone (OHCA) or you only send a call announcement through the handset (Whisper OHCA), while they are having another conversation using the handset.
- Whisper OHCA is activated when both you and the other party are using one of the KX-T7500 series PTs.

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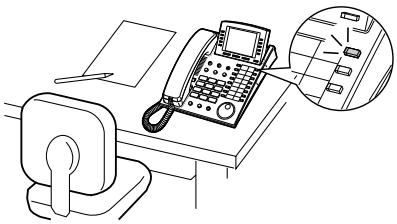
Leaving a message waiting indication (Message Waiting)

If the other extension is busy or does not answer your call, you can leave a message waiting indication (MESSAGE button light turns on and/or indication tone is emitted when going off-hook) on that extension. This prompts the other extension user to call you back.



◆ *To leave a message waiting indication*

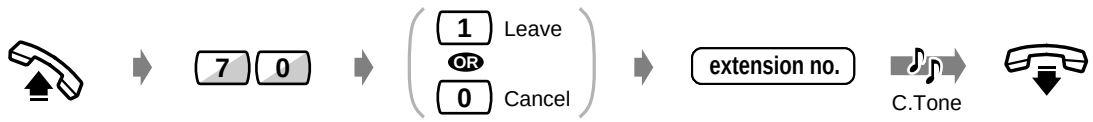
PT

When the called extension is busy or does not answer

Press **MESSAGE**. On-hook.

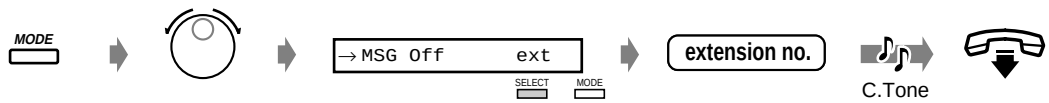
◆ *To leave/cancel a message waiting indication*

PT / SLT



Off-hook. Dial **70**. Dial **1** to leave or **0** to cancel. Enter **extension number**. On-hook.

T7531



Press **MODE** until "**Feature Access**" is displayed. Rotate **Jog Dial** until "**MSG Off**" or "**MSG On**" is displayed. Press **SELECT**. "**MSG On**": Leave "**MSG Off**": Cancel Enter **extension number**. On-hook.

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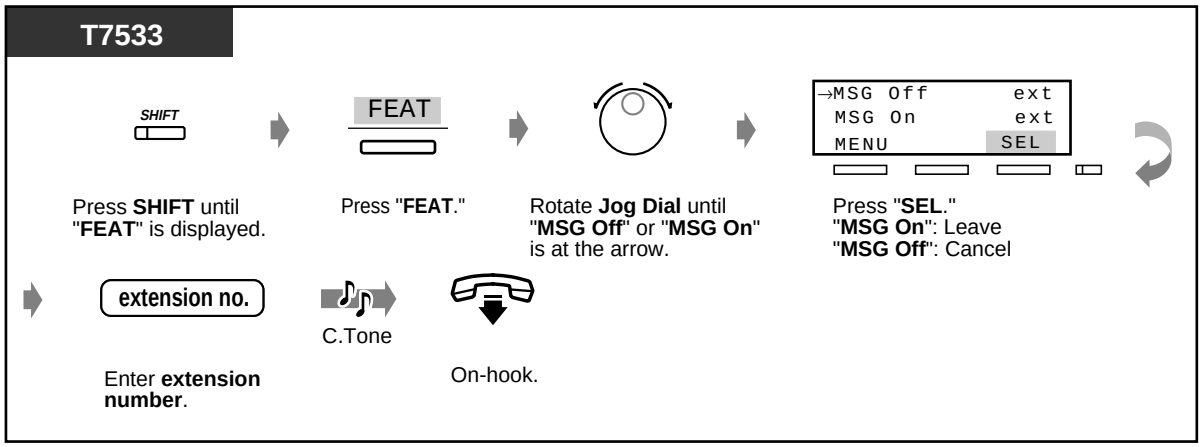
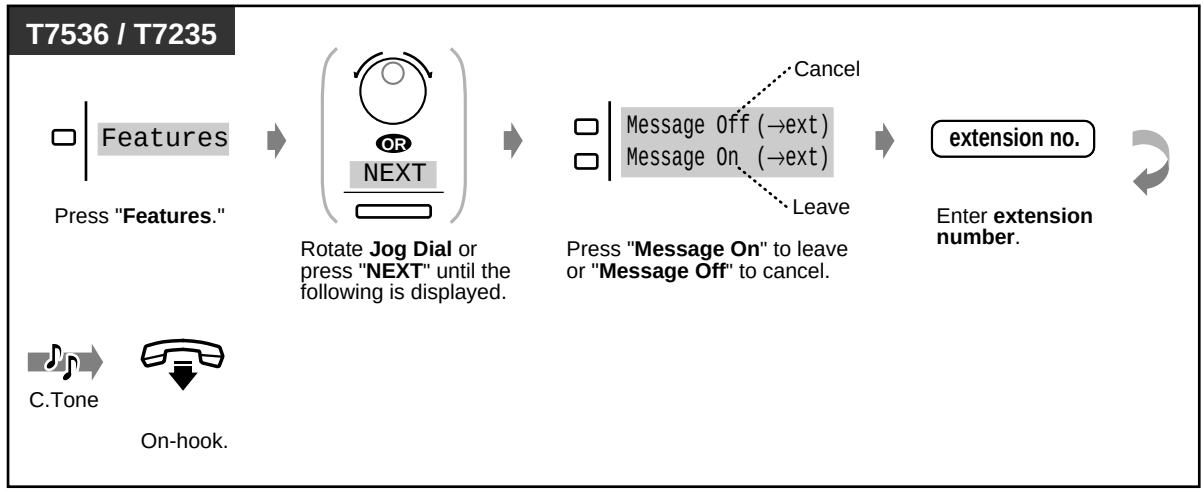
◆ *To leave/cancel a message waiting indication (contd.)*

T7533



T7536 / T7235



◆ *To check and select the party*

When you received more than one message waiting indications, you can select the desired party to call back.

Display PT

While on-hook

Press **MESSAGE**
until the desired extension appears on the display.

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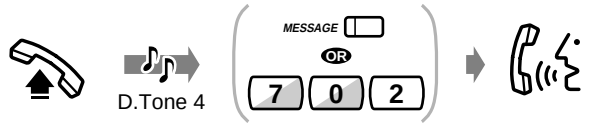
◆ ***To call back***

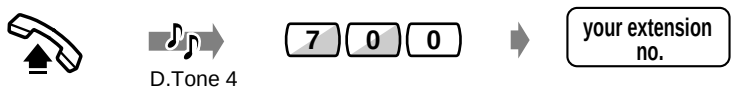
PT / SLT with Message Lamp



Off-hook. Press **MESSAGE** or dial **702**. Talk.

◆ ***To clear all message waiting indications***

PT / SLT with Message Lamp



Off-hook. Dial **700**. Enter **your extension number**.

- The extension number and name of the massage senders are shown in the received order.
- Single line telephone (without a Message Lamp) users may hear a special ring tone as notification while off-hook, if required.
- Dial tone 4

4.1 Customising Your Phone (Station Programming)
- 4.1.2 Customising the Buttons
  Create or re-arrange a Message button.

4.3 Customising Your System (User Programming)
- 4.3.5 Flexible CO Button Assignment (005)

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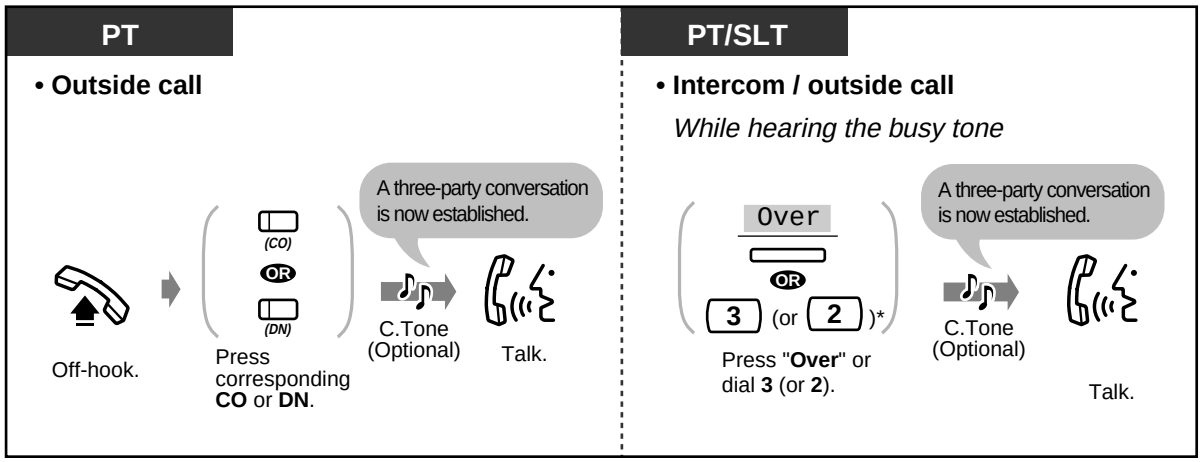
Joining an existing call (Executive Busy Override)

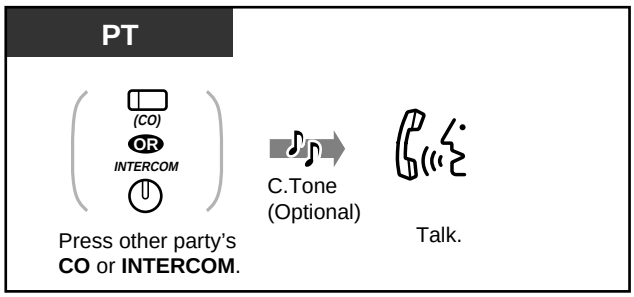
You can call the party who is talking with another on the telephone and then a three-party conversation is established. Some extensions may be restricted from performing this function.

To join

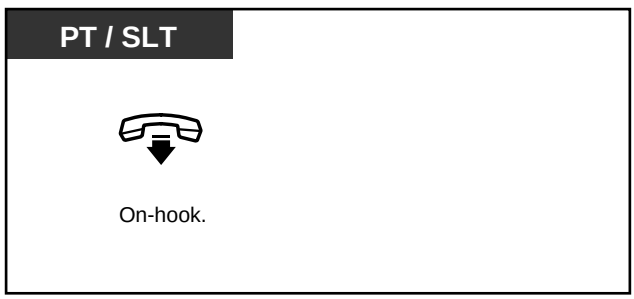


*) 3: [SA], 2: Others

To disconnect one party and talk with another when one of these parties is an outside party



To leave the conference



- You can also deny others the possibility of joining your conversation **(Executive Busy Override Deny)** (Default: Allow). Please refer to "2.7 Setting the Telephone According to Your Needs."

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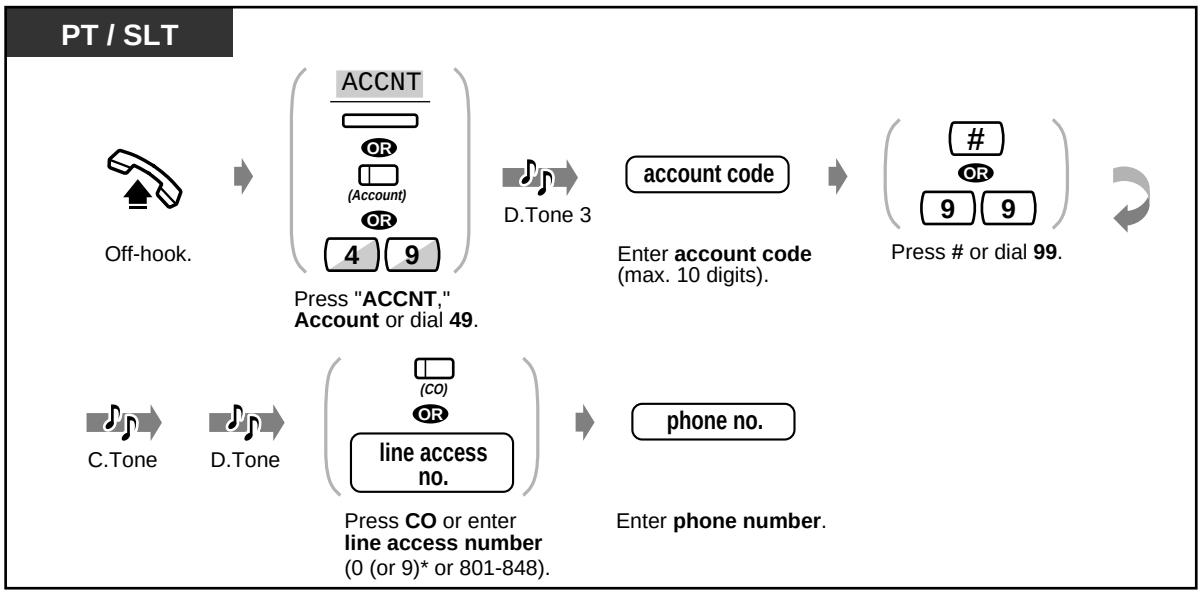
2.2.5 Calling without Restrictions

— Using an account code
— Using your calling privilege at another extension
— To call an extension who is refusing to receive the call
— Changing the dialling mode

Using an account code (Account Code Entry)

An Account Code gives information about outside calls for accounting and billing purposes. You may not be able to make an outside call without an account code entry depending on your account code entry mode. One of three modes is assigned to each extension by System Programming. Ask your System Manager about your mode.



*) 0: [SA], 9: Others

- **A Panasonic Proprietary Telephone user** can enter an account code during a conversation and when hearing a reorder tone after the other party hangs up.
- **If you enter the wrong code,** press the "✳" key while entering the account code and then re-enter the code.
- **To cancel the entry,** press the Account button <PT>; or press the switchhook lightly <SLT>; while entering the code.
- **For your convenience,** you can store the code with the phone number in memory (e.g., Speed Dialling).
- **If you hear a reorder tone**, the entered account code is wrong. Enter the correct code.
- The delimiter "99" is available for rotary type SLTs only.

- The System Manager may give a specified account code to you and check your telephone usage. The System Manager can specify an account code to each client and check the call duration.

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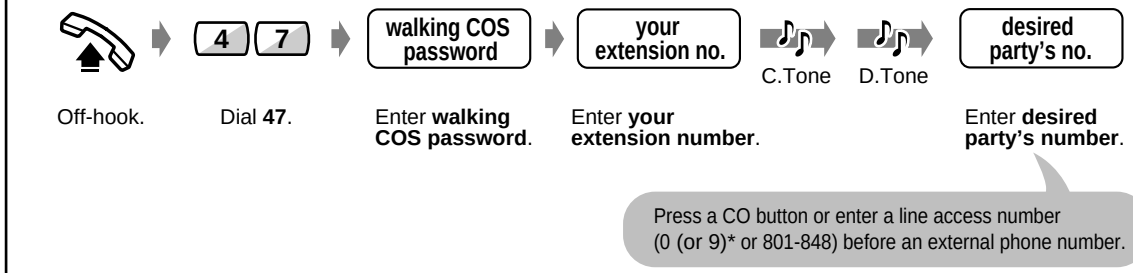
4.1 Customising Your Phone (Station Programming)
- 4.1.2 Customising the Buttons
  Create or re-arrange an Account button.

4.3 Customising Your System (User Programming)
- 4.3.5 Flexible CO Button Assignment (005)

Using your calling privilege at another extension (Walking COS)

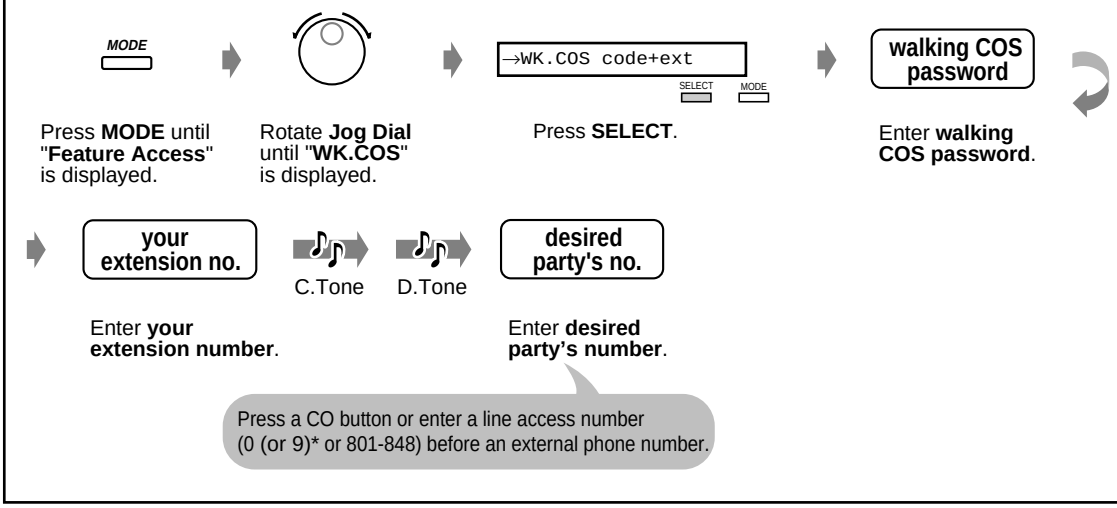
You can use your calling privileges (Class of Service) at another extension. You may override restrictions which may be set at the extension. To perform this feature, pre-programmed walking COS password is required.
Ask your System Manager about the walking COS password.

PT / SLT



*) 0: [SA], 9: Others

T7531



*) 0: [SA], 9: Others

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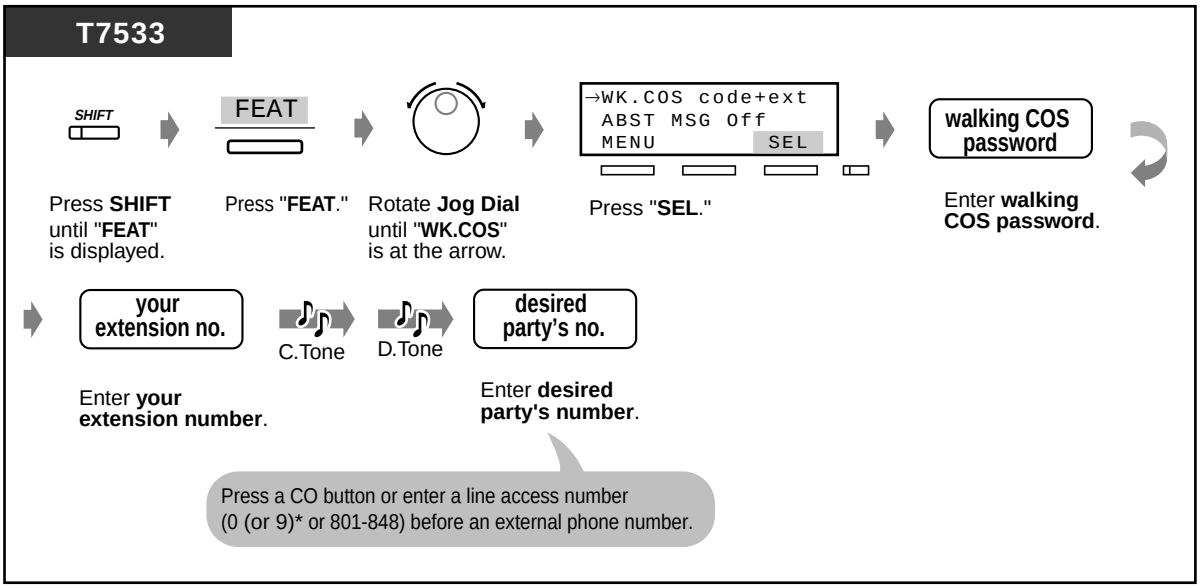
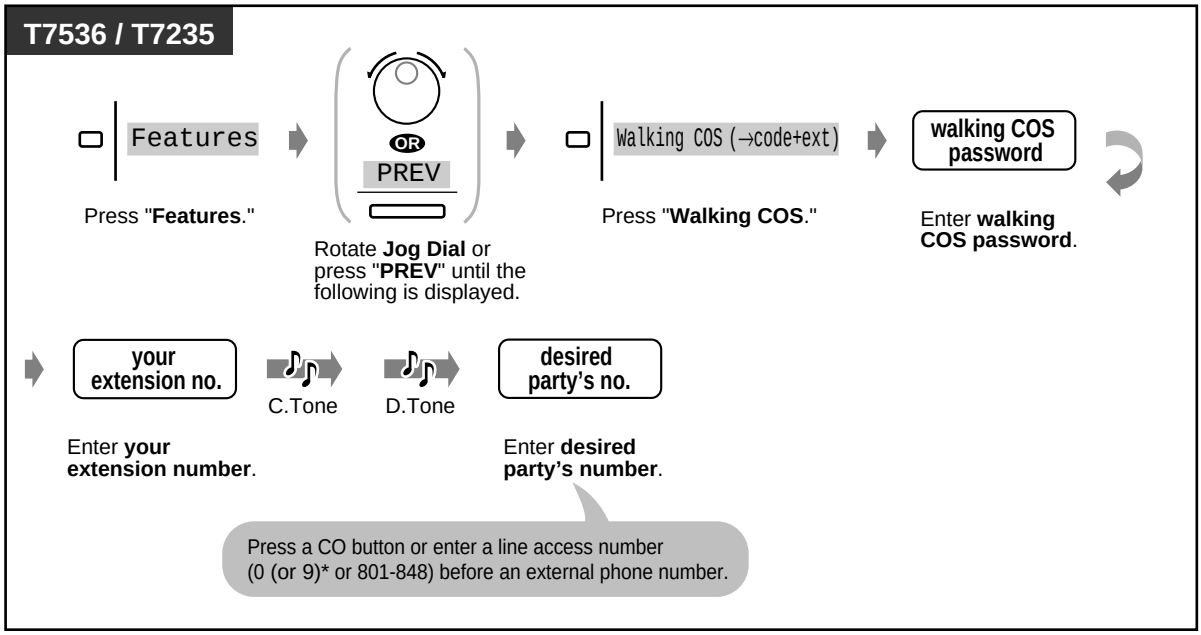
T7533



*) 0: [SA], 9: Others

T7536 / T7235



*) 0: [SA], 9: Others

The available functions are as follows:

- The outgoing call restriction level (less restricted your restriction level)
- An outside call duration
- Transferring a call to an outside party
- Using an account code entry mode **(Account Code Entry)**
- The number of digits you can dial during an outside call.
- The outside lines you are permitted to use.

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To call an extension who is refusing to receive the call (Do Not Disturb [DND] Override)

PT / SLT

While hearing the DND tone

Over

OR

2 (or 1)*

Press "**Over**" or dial **2** (or **1**)*.

*) 2: [SA], 1: Others

- Only a pre-programmed extension can execute this feature.
- If you hear a reorder tone after pressing "Over" or dialling "2 (or 1)," you are not permitted to execute this feature by System Programming.

Changing the dialling mode (Pulse to Tone Conversion)

To access services such as computer telephone services, Voice Mail, etc., that require a tone dialling, you can temporarily change the dialling mode from Pulse to Tone, if you are using a dial pulse type CO line.

PT / SLT

After the line is connected

Dial ✱#. Enter **desired number**.

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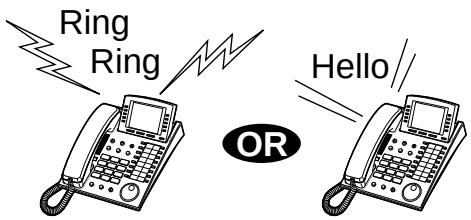
2.2.6 Alternating the Calling Method (Alternate Calling—Ring/Voice)

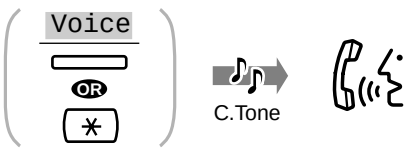
The calling method, either ring or voice, is set by the called extension when an intercom call is received. However, you can change the method temporarily. With Voice-Calling, you can talk to the party as soon as the line is connected. (Default: Ring-Calling)



◆ *For voice-calling*

PT / SLT

After dialling



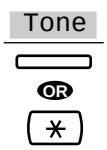
Press "**Voice**" or *.

Talk.

◆ *For ring-calling*

PT / SLT

After dialling



Press "**Tone**" or *.

- If the called party uses a Single Line Telephone, only Ring-Calling is available.

4.1 Customising Your Phone (Station Programming)
- 4.1.1 Initial Settings—**Intercom Alert Assignment**
  Which way do you prefer to receive an intercom call?

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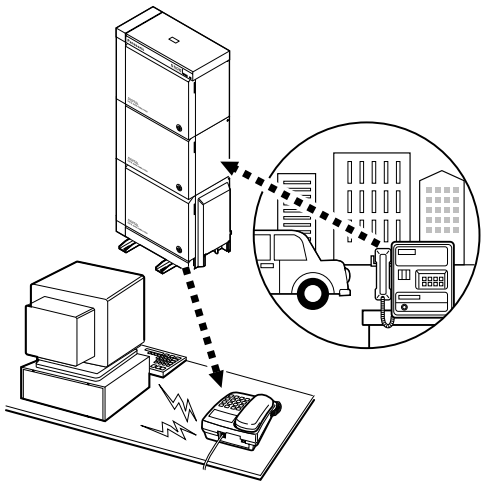
2.2.7 To Access Another Party Directly from Outside (Direct Inward System Access [DISA])

External callers can call extensions in the KX-TD500 system, or other external party via KX-TD500 system. An outgoing message greets the caller and gives information about how to access an extension. You do not need the Operator's assistance.
You may not be able to access the features without entering a DISA user code depending on the security mode. Ask your System Manager for the mode assigned to your system.



Warning for the Direct Inward System Access Users

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

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

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

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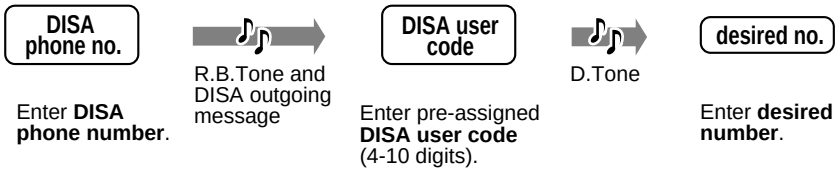
◆ *To call an extension*

From Outside Telephone

● **In Non Security Mode / Trunk Security Mode**

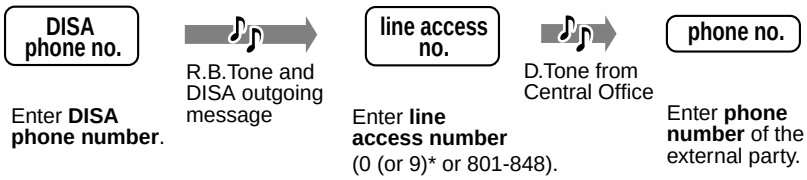
● **In All Security Mode**



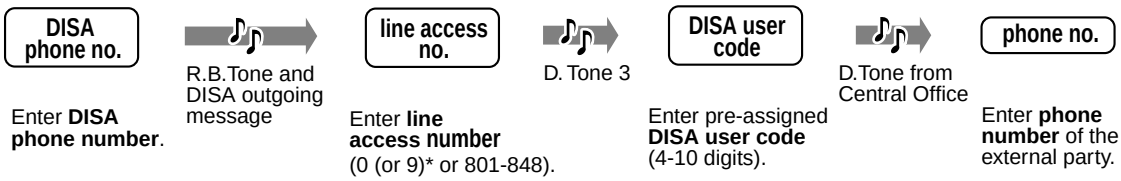
◆ *To call an external party*

From Outside Telephone

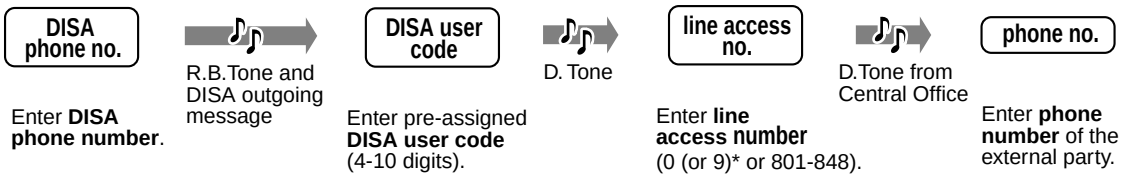
● ***In Non Security Mode***



● ***In Trunk Security Mode***



● ***In All Security Mode***



*) 0: [SA], 9: Others

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◆ *To re-try*

From Outside Telephone

To dial a different number during a conversation with an outside party or while hearing the ringback, reorder, or busy tone

Dial ✳.

Enter **desired number**.

Enter a line access number (0 (or 9)* or 801 to 848) as the first digit when calling an external party.

*) 0: [SA], 9: Others

- **If a call between two external parties (you and the other party) is established,** both parties will hear an alert tone 15 seconds before the time limit (Default: 10 min) expires. You can extend the call duration time (Default: 3 min) by pressing any key except "✳" while hearing an alert tone.
- If Built-in Automated Attendant service is set, you can access the desired extension simply by pressing one-digit number (0-9) according to the outgoing message.
- If you failed to enter a valid DISA user code three times consecutively, the call will be disconnected automatically.

4.3 Customising Your System (User Programming)
- 4.3.10 DISA/TIE User Code Set (010)

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2.3 Receiving Calls

2.3.1 Answering Calls

PT / SLT

Off-hook. Talk.

Select one of the following methods:
- Lift the handset to receive the preferred line. (Default: Ringing line is selected.)
- Press the SP-PHONE or MONITOR* button.
- Press the flashing red / green CO, green INTERCOM or green PDN / red SDN button directly.

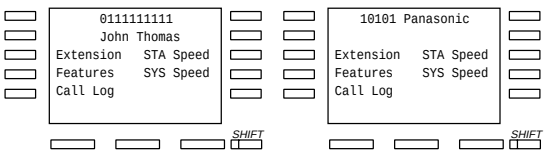
* **When going off-hook using the MONITOR button,** you have to lift the handset to talk to the other party.

- **Hands-free operation**
  To keep your hands free, press the SP-PHONE button instead of lifting the handset. You can perform other tasks at the same time.
  Helpful hints for the hands-free operation

  Use your telephone in a quiet room for best performance.

  If the other party has difficulty hearing you, decrease the volume.

  If you and the other party talk at the same time, parts of your conversation will be lost. To avoid this, talk alternately.
- **If the Caller ID feature is available,** you may confirm the caller's phone number and name before answering an outside call.
  Pressing the SHIFT button displays the outside line number and name.
  <Example>



The caller's information from your telephone company will only be sent to the pre-assigned extension.

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4.1 Customising Your Phone (Station Programming)

- 4.1.1 Initial Settings—**Preferred Line Assignment – Incoming**
  Select the seized line when going off hook.
  Intercom Alert Assignment
  Select the Calling method, either ring or the other party's voice.
- 4.1.2 Customising the Buttons
  You can re-arrange the CO button assignment and change the ringing tone for each CO button.

4.3 Customising Your System (User Programming)

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2.3.2 Answering Hands-free (Hands-free Answerback)

You can answer an intercom call without going off-hook as soon as the line is connected. You will hear the caller talking without the phone ringing.

◆ ***To set/cancel***

PT

While on-hook

Press **AUTO ANS/MUTE**.

- The AUTO ANSWER/MUTE button light shows the current status as follows:
  On: Set.
  Off: Not set.
- This feature is not available for doorphone calls.

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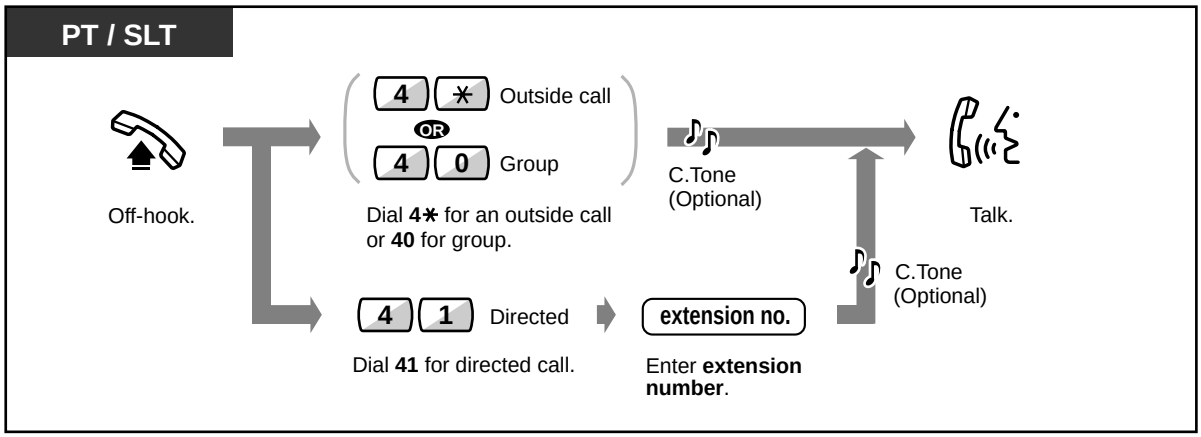
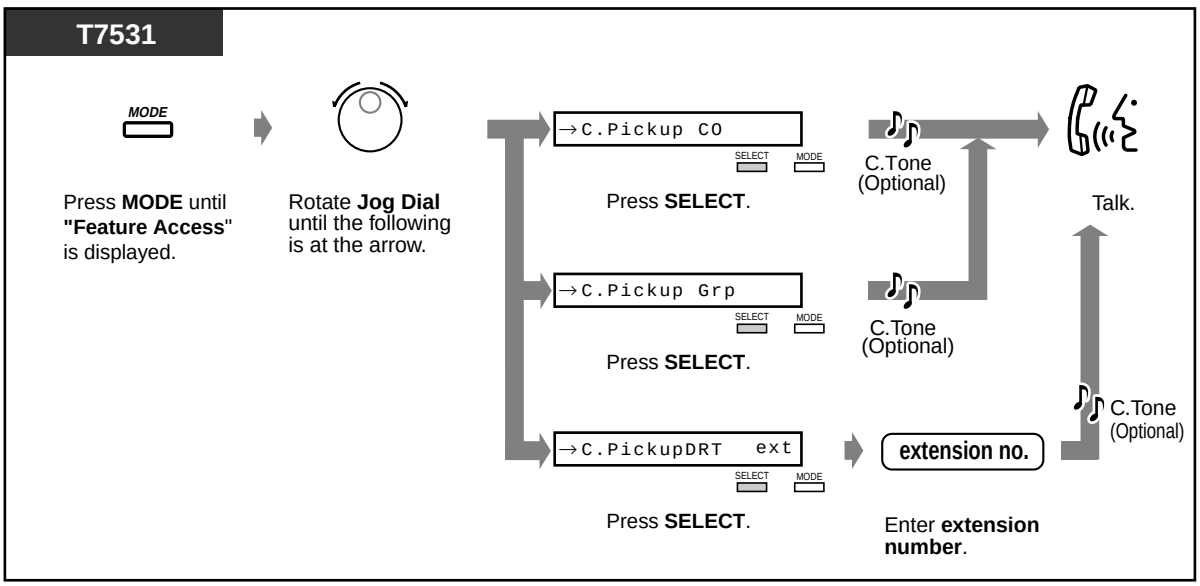
2.3.3 Answering a Call Ringing at Another Telephone (Call Pickup)

You can answer an incoming call that is ringing at another extension from your phone without leaving your desk.
The following types are available:

Outside (CO) Call Pickup: Picks up an outside call.
Group Call Pickup: Picks up a call ringing at an extension within your extension group.
Directed Call Pickup: Picks up a specified extension's call.





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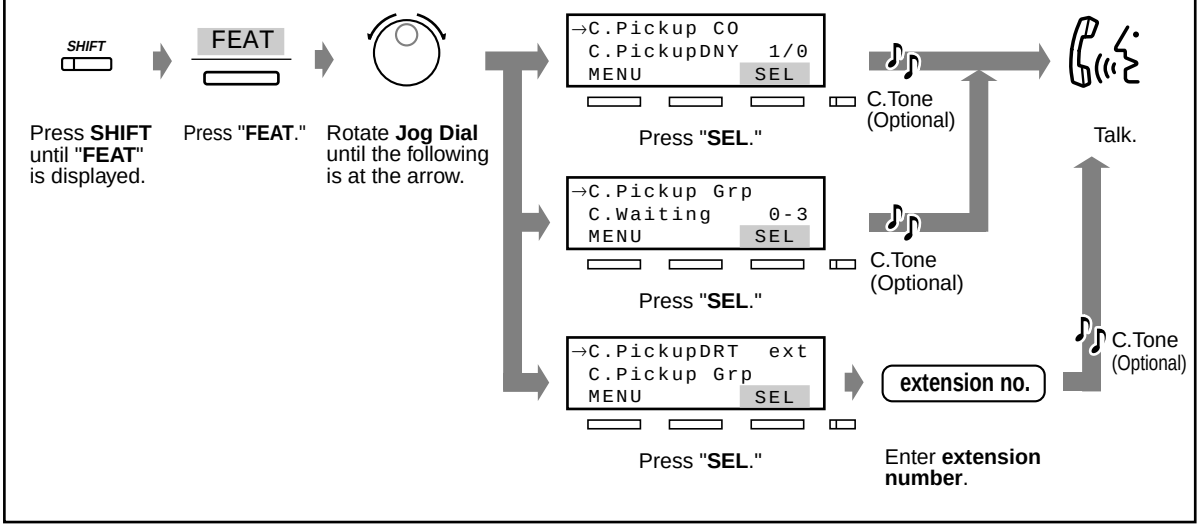
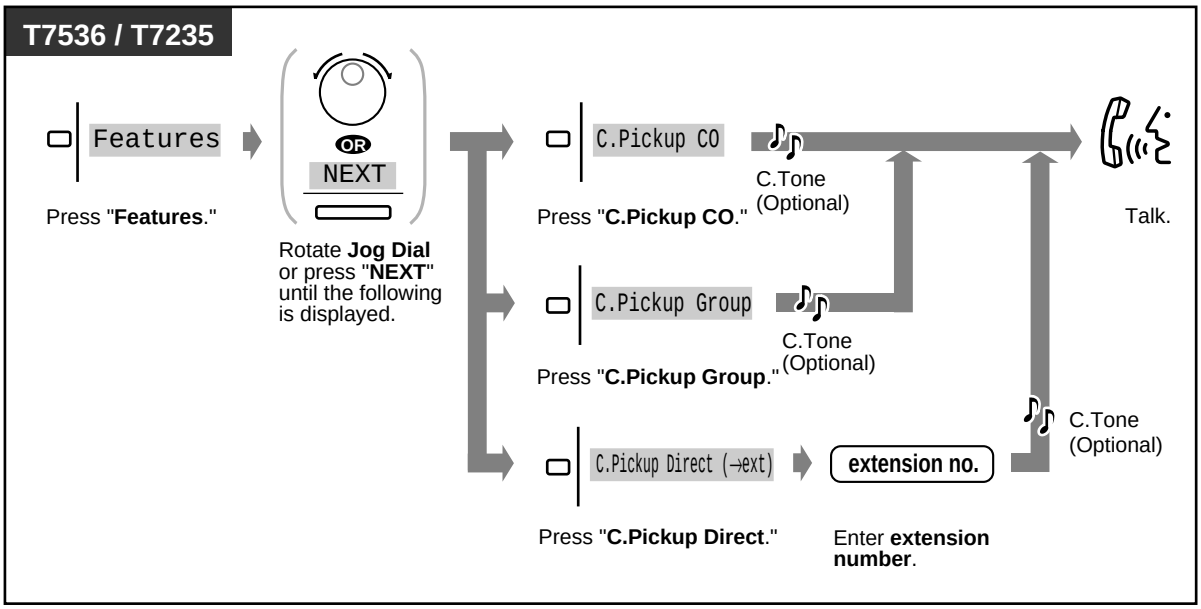
T7533



T7536 / T7235



- **If you receive a call waiting tone,** you can ask a third party to pick up your second call with Directed Call Pickup.

- You can also deny other people the possibility of picking up calls ringing at your extension **(Call Pickup Deny)**. Please refer to "2.7 Setting the Telephone According to Your Needs."

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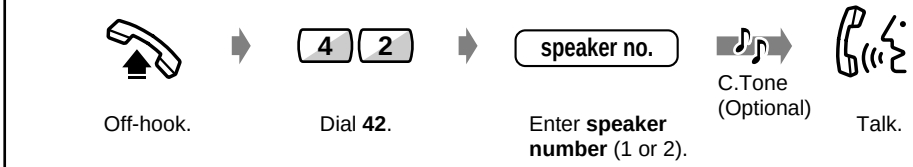
2.3.4 Answering a Call via an External Speaker (Trunk Answer From Any Station [TAFAS])

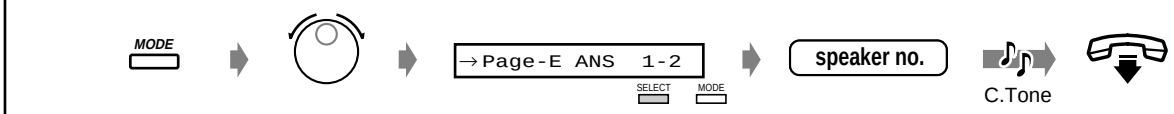
You can answer an incoming CO call ringing at an external speaker from any extension.

PT / SLT



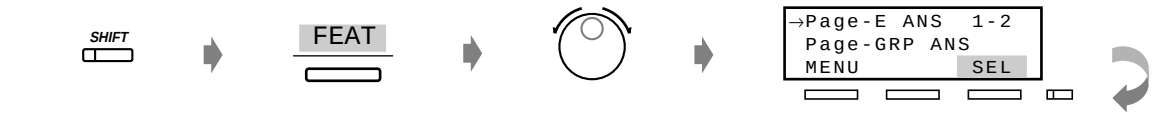
Off-hook. Dial **42**. Enter **speaker number** (1 or 2). C.Tone (Optional). Talk.

T7531



Press **MODE** until **"Feature Access"** is displayed. Rotate **Jog Dial** until "**Page-E ANS**" is displayed. Press **SELECT**. Enter **speaker number** (1 or 2). C.Tone. On-hook.

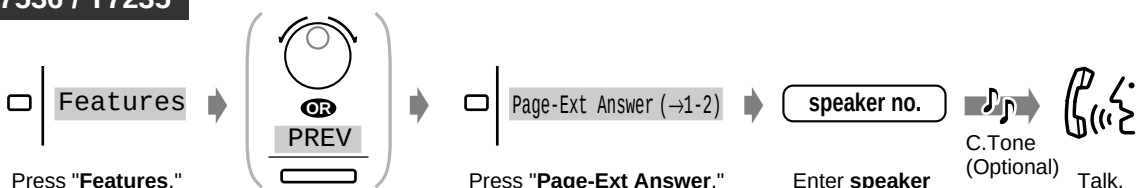
T7533



Press **SHIFT** until "**FEAT**" is displayed. Press "**FEAT**." Rotate **Jog Dial** until "**Page-E ANS**" is at the arrow. Press "**SEL**."

Enter **speaker number** (1 or 2). C.Tone (Optional). Talk.

T7536 / T7235



Press "**Features**." Rotate **Jog Dial** or press "**PREV**" until the following is displayed. Press "**Page-Ext Answer**." Enter **speaker number** (1 or 2). C.Tone (Optional). Talk.

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- You can also answer a paging announcement via an external speaker with this operation.

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2.3.5 Using the ANSWER/RELEASE Button

The ANSWER and the RELEASE buttons are useful for operations with the headset or in the hands-free mode.
With the ANSWER button, you can answer all incoming calls to the paired/your own telephone.
With the RELEASE button, you can disconnect the line during or after a conversation, or complete transferring a call.

◆ *To answer*

PT & DSS Console

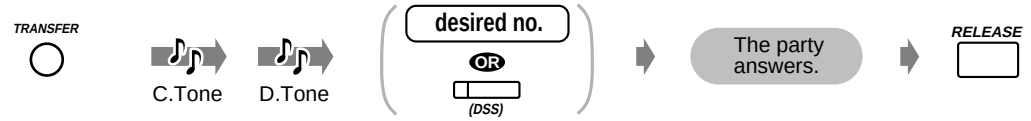
When a call comes in on your extension

Press **ANSWER**. Talk. Press **RELEASE.**

◆ *To transfer a call*

PT & DSS Console

During a conversation with the headset or in the hands-free mode

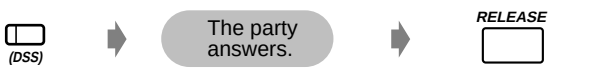


Press **TRANSFER**. Enter **desired number** or press **DSS**. Press **RELEASE.**

◆ *To transfer an outside call to an extension with One-Touch*

PT & DSS Console

During a conversation with the headset or in the hands-free mode



Press **DSS**. Press **RELEASE**.

The other party is placed on hold and the destination extension is called immediately.

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- ANSWER and RELEASE buttons are provided as a fixed button on the KX-T7541, DSS Console. For other PTs and DSS Consoles, these buttons can be assigned to a flexible button (CO, DSS, PF).
  If you press the ANSWER button to answer a new call during the current call, the current call will be disconnected.
  If a call which comes in on your extension is not ringing, you cannot answer it by pressing the ANSWER button.

4.1 Customising Your Phone (Station Programming)

- 4.1.2 Customising the Buttons
  Create or re-arrange an Answer button and a Release button.

4.3 Customising Your System (User Programming)

- 4.3.5 Flexible CO Button Assignment (005)

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2.4 During a Conversation

2.4.1 Holding a Call

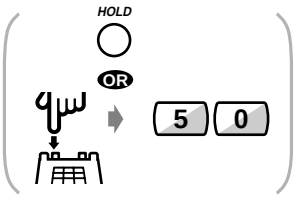
— Holding a Call
— Denying other people the possibility of retrieving calls held at your extension
— Holding a call in a system call parking zone

- **If a call is not retrieved within a pre-programmed time,** you will hear an alarm as a reminder.
- **If a call is not retrieved within 30 minutes,** it is automatically disconnected.

Holding a call (regular)

PT / SLT

During a conversation



Press **HOLD** or **switchhook** and dial **50**.

C.Tone

On-hook.

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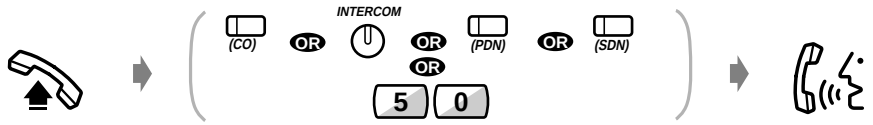
◆ *To retrieve a call*

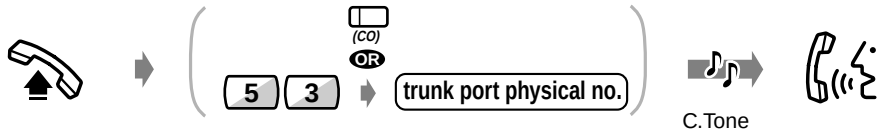
PT / SLT

● ***At the holding extension***



Off-hook. Press **CO/INTERCOM/PDN/SDN** or dial **50**. Talk.

● ***To retrieve an outside call held at another extension***



Off-hook. Press **CO** whose indicator is flashing red slowly or dial **53** and **trunk port physical number** (5 digits). C.Tone (Optional) Talk.

● ***To retrieve an intercom call/an outside call held at another extension***

Off-hook. Dial **51**. Enter **holding extension number**. C.Tone (Optional) Talk.

- The CO, INTERCOM, PDN or SDN button light shows the current status as follows:
  Flashing green slowly: The call is placed on hold at your extension.
  Flashing red slowly: The call is placed on hold at another extension.
- A Single Line Telephone user can hold either an intercom call or an outside call at one time.
- **The number of calls that can be placed on hold at an extension.**
  This varies depending on a type of telephone as follows:

  Intercom call
  –<ICM type PT>, <SLT>: One
  –<DN type PT>: as many intercom calls as the number of DN (PDN, SDN) buttons on it.

  Outside call
  –<ICM type PT>: as many outside calls as the number of CO buttons on it.
  –<DN type PT>: as many outside calls as the number of CO buttons and DN buttons on it.
  –<SLT>: One

- "Call Park" feature (Page 67) is convenient for any extension to place multiple calls on hold.

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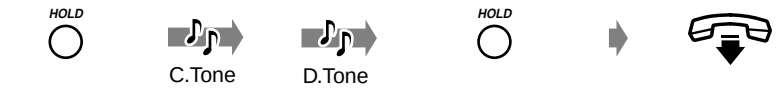
Denying other people the possibility of retrieving calls held at your extension (Exclusive Call Hold)

The call placed on Exclusive Hold can only be retrieved from the extension on which the call is held.

◆*To place a call on Exclusive Hold*

PT

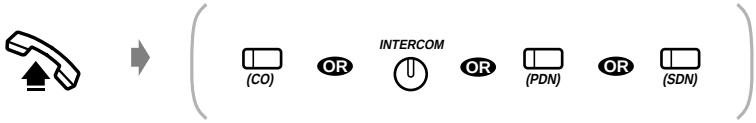
During a conversation



Press **HOLD**. Press **HOLD**. On-hook.

◆ *To retrieve a call*

PT



Off-hook. Press **CO, INTERCOM, PDN** or **SDN**.

- If you hear an alert tone while placing a call on exclusive hold, your exclusively held call will turn into a regularly held call.
- The CO, INTERCOM, PDN or SDN button light shows the current status as follows:
  Flashing green moderately: Your exclusively held call
  Flashing red/green slowly: A held call
- **The number of calls that can be placed on exclusive hold at an extension.**
  This varies depending on a type of telephone as follows:

  Intercom call
  –<ICM type PT>: One
  –<DN type PT>: as many intercom calls as the number of DN (PDN, SDN) buttons on it.
  –<SLT>: Not available.

  Outside call
  –<ICM type PT>: as many outside calls as the number of CO buttons on it.
  –<DN type PT>: as many outside calls as the number of CO buttons and DN buttons on it.
  –<SLT>: Not available.

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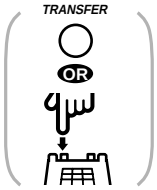
Holding a call in a system call parking zone (Call Park)

You can hold a call in the system common call parking zone and perform other operations. The parked call can be retrieved from any extension. Up to 100 calls can be parked in the system.

To set

PT / SLT

During a conversation



Press **TRANSFER** or **switchhook**.

C.Tone

D.Tone

5 2

Dial **52**.

parking zone no.

Enter **parking zone number** (00-99).

C.Tone

On-hook.

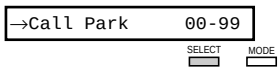
T7531

During a conversation

Press **TRANSFER**.

Press **MODE** until "**Feature Access**" is displayed.

Rotate **Jog Dial** until "**Call Park**" is displayed.



Press **SELECT**.

parking zone no.

Enter **parking zone number** (00-99).

C.Tone

On-hook.

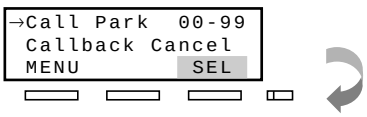
T7533

During a conversation

Press **SHIFT** until "**FEAT**" is displayed.

Press "**FEAT**."

Rotate **Jog Dial** until "**Call Park**" is at the arrow.



Press "**SEL**."

parking zone no.

Enter **parking zone number** (00-99).

C.Tone

On-hook.

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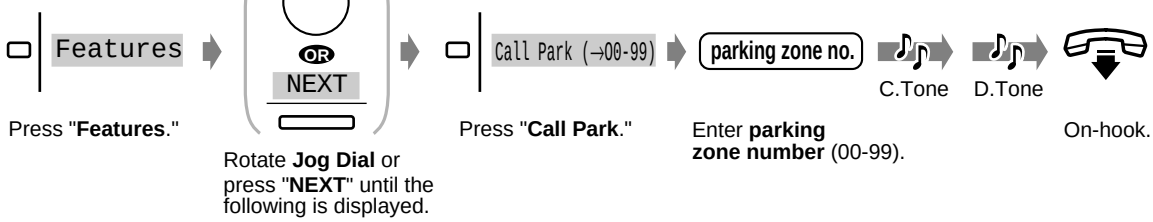
◆ ***To set (contd.)***

T7536 / T7235

During a conversation



Press "**Features**."

Rotate **Jog Dial** or press "**NEXT**" until the following is displayed.

Press "**Call Park**."

Enter **parking zone number** (00-99).

On-hook.

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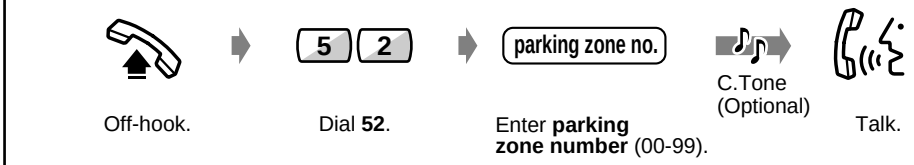
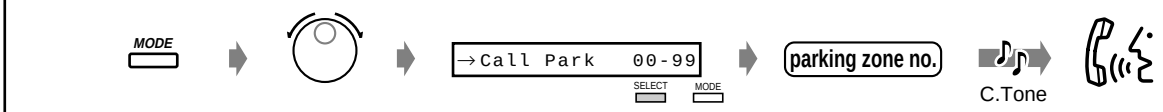
◆ *To retrieve*

PT / SLT



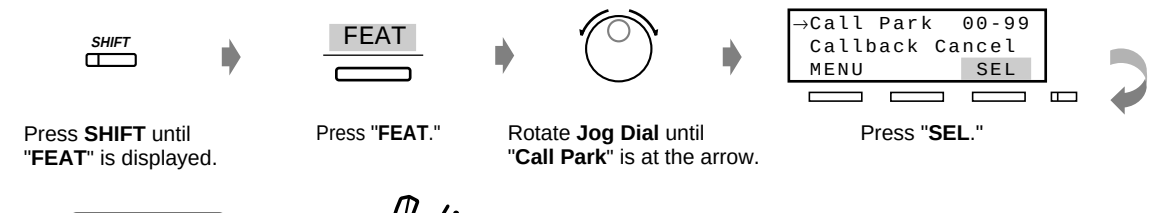
Off-hook. Dial **52**. Enter **parking zone number** (00-99). C.Tone (Optional). Talk.

T7531



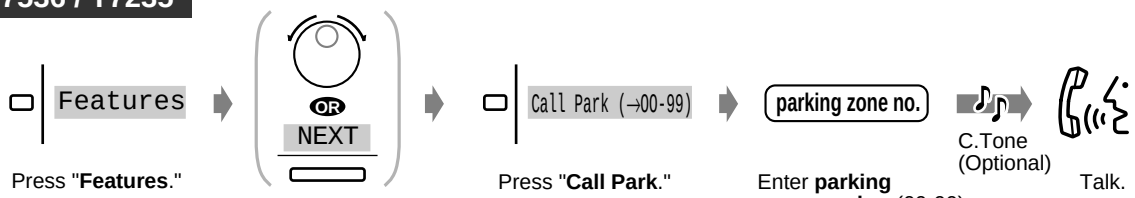
Press **MODE** until "**Feature Access**" is displayed. Rotate **Jog Dial** until "**Call Park**" is displayed. Press **SELECT**. Enter **parking zone number** (00-99). C.Tone. Talk.

T7533



Press **SHIFT** until "**FEAT**" is displayed. Press "**FEAT**." Rotate **Jog Dial** until "**Call Park**" is at the arrow. Press "**SEL**." Enter **parking zone number** (00-99). C.Tone (Optional). Talk.

T7536 / T7235



Press "**Features**." Rotate **Jog Dial** or press "**NEXT**" until the following is displayed. Press "**Call Park**." Enter **parking zone number** (00-99). C.Tone (Optional). Talk.

!! • **If you hear a busy tone when entering the zone number,** the zone is in use. Enter another number.

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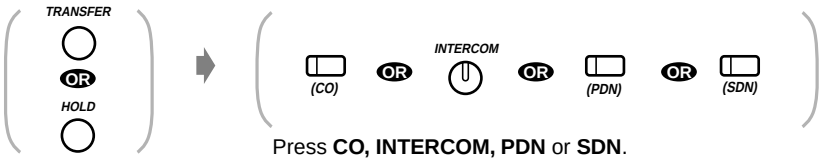
2.4.2 Talking to Two Parties Alternately (Call Splitting)

If a new call comes in on your extension when you are engaged in the call, you can answer the new call without losing the current call. Then you can talk to either one of two parties alternately while putting the other on hold.

PT

If another call (outside/intercom) comes in, when you are engaged in a call (outside/intercom);



Press **TRANSFER** or **HOLD**.

Press **CO, INTERCOM, PDN** or **SDN**.

PT (ICM/CO type PT only)

If another intercom call comes in, when you are engaged in an intercom call;

Press **HOLD.**

SLT

If another call (outside/intercom) comes in, when you are engaged in a call (outside/intercom).

Press **switchhook**.

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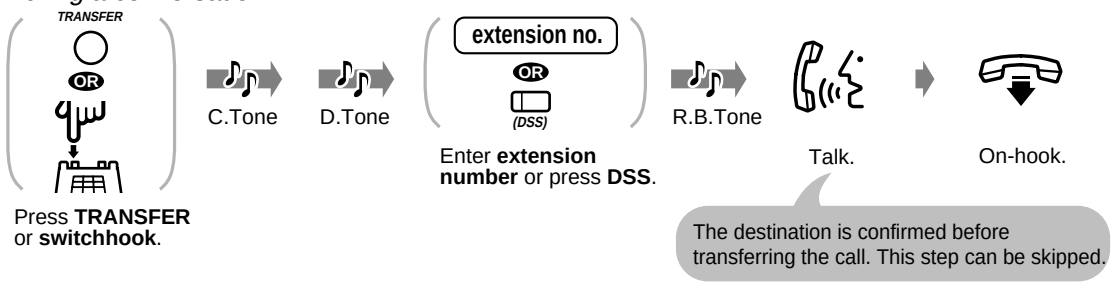
2.4.3 Transferring a Call

— Transferring a call to an extension
— Transferring a call to a phantom extension
— Transferring a call to an extension (PDN Call)
— Transferring a call to an extension (Ringing Transfer)
— Transferring a call to the Remote Resource
— Transferring a call to an external party

Transferring a call to an extension

PT / SLT

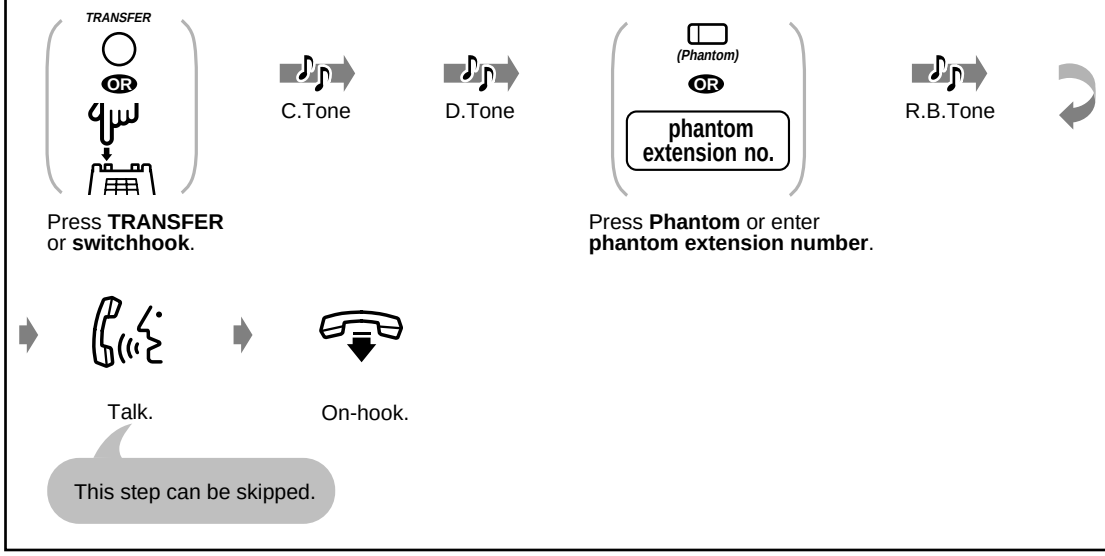
During a conversation



Transferring a call to a phantom extension

PT / SLT

During a conversation



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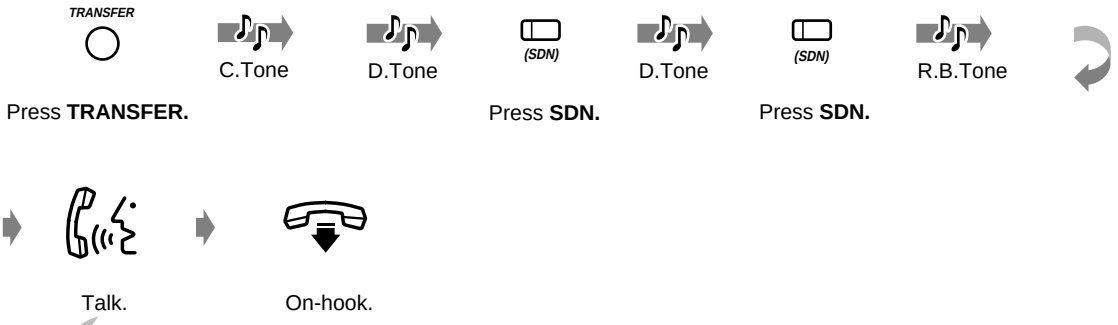
Transferring a call to an extension (PDN Call)

PT (DN type PT only)

During a conversation



Transferring a call to an extension (Ringing Transfer)

You can transfer a call on an SDN button to another extension with a simple operation.
The call will be transferred to the extension on which the PDN button (associated with the SDN button assigned to your extension) is assigned.

PT (DN type PT only)

During a conversation on an SDN button

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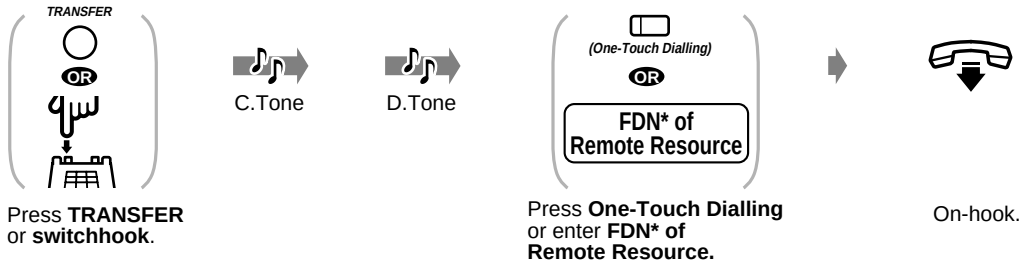
Transferring a call to the Remote Resource

PT / SLT

During a conversation



Press **TRANSFER** or **switchhook**.

Press **One-Touch Dialling** or enter **FDN* of Remote Resource.**

On-hook.

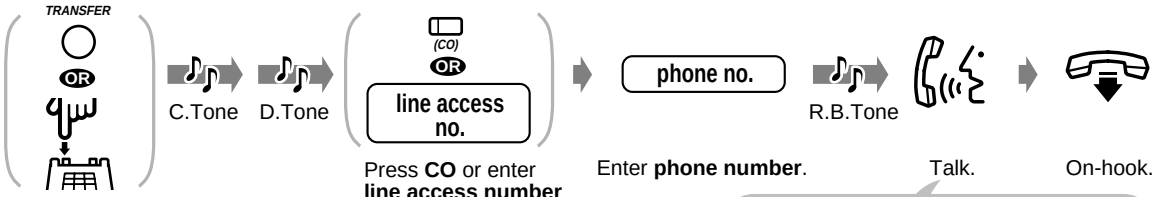
* FDN (Floating Directory Number):
Virtual extension number assigned to a Remote Resource, to make it appear as a real extension.

Transferring a call to an external party

Some extensions may be restricted from performing this function.

PT / SLT

During a conversation



Press **TRANSFER** or **switchhook**.

Press **CO** or enter **line access number** (0 (or 9)* or 801-848).

Enter **phone number**.

Talk.

On-hook.

The destination is confirmed before transferring the call. This step can be skipped.

*) 0: [SA], 9: Others

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- **If you misdial,** press the FLASH button and then dial the extension or telephone number again <for PT>.
- **If you want to talk to the caller again** before the destination extension/party answers, press the TRANSFER button again or press the corresponding INTERCOM/CO/PDN/SDN button <for PT>; or press the switchhook again <for SLT>.
- You can transfer a call to a busy extension. The call is transferred to the busy extension when it becomes free **(Camp-On Transfer)**.
- **If you hear an alert tone** within a specified period of time (Transfer Recall Time) after transferring a call, the destination extension does not answer the call or remains busy **(Transfer Recall)**. Please go off-hook to answer the call. This does not happen when you transferred the call to one of the following destinations; Remote Resource or External Party.
- After transferring the call to an external party, you can join the call by pressing the CO button which you used to transfer the call. A three-party conversation is established **(Conference)**.
- **If a call between two external parties is established,** both parties will hear an alert tone 15 seconds before the time limit (Default: 10 min) runs out. The original extension will hear an alarm 50 seconds before the time runs out.

- You can transfer a call to another extension simply by pressing the DSS button associated with the transfer destination extension **(One-Touch Transfer)**. You do not have to press the TRANSFER button.
- The call will be released from your extension automatically after dialling the destination extension number **(Released Link Operation)**.
  If this feature is enabled by System Programming, you can perform another operation without going on-hook after transferring the call.

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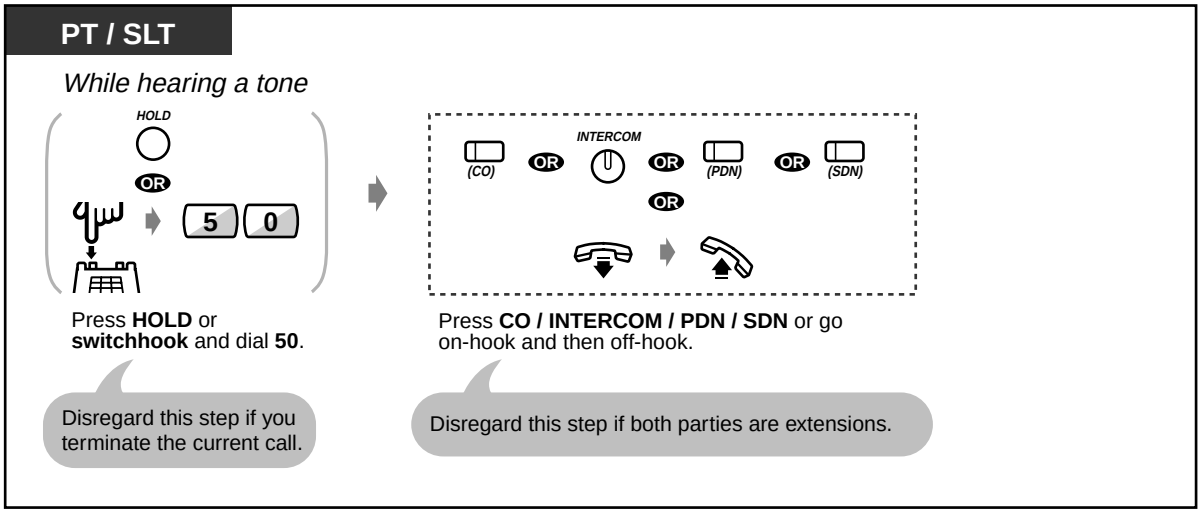
2.4.4 Answering a Call Waiting

— Answering a call waiting in the system
— Answering a call waiting from the central office

Answering a call waiting in the system

During a conversation, a call waiting tone or voice announcement through the telephone speaker or the handset occurs when an outside call is received or another extension is letting you know another call is waiting. You can answer the second call by disconnecting the current call or placing it on hold.

To talk to the new party



- By default, this feature is not available. To activate this feature, set to each desired mode (1. BSS, 2. OHCA, 3. Whisper OHCA). Please refer to "2.7.3 Receiving a Call Waiting (Call Waiting/Off-Hook Call Announcement [OHCA]/Whisper OHCA)" for further information.
- **Depending on the type of your telephone,** the "Off-Hook Call Announcement [OHCA]" or the "Whisper OHCA" functions can be applied. You can talk to the other party through the speaker and the microphone (OHCA) or you only receive a call announcement through the handset (Whisper OHCA), while you are having another conversation using the handset. Please refer to "Sending a call waiting tone (Busy Station Signalling [BSS])" in "2.2.4 When the Dialled Line is Busy or There is No Answer" for further information.
- The calling extension's name or number is displayed for 5 seconds in 10 seconds intervals before answering a call.

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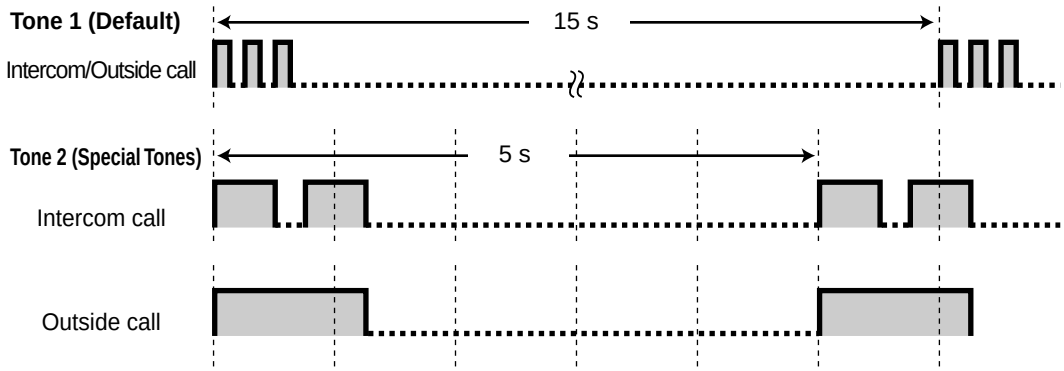
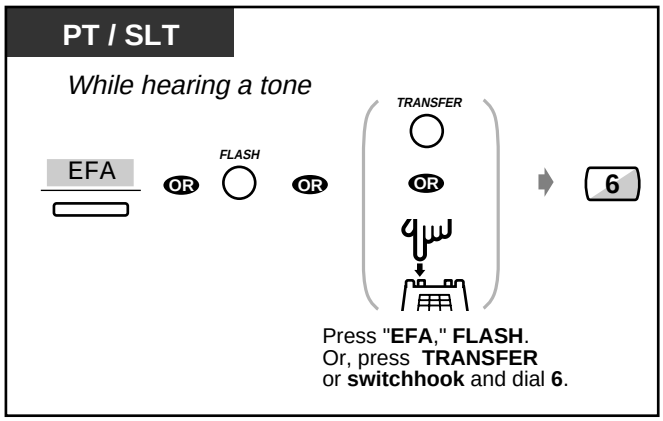
4.1 Customising Your Phone (Station Programming)

- 4.1.1 Initial Settings—**Call Waiting Tone Type Selection**
  Determine the tone depending on the second call, either an outside call or an extension.



Answering a call waiting from the central office

This is an optional telephone company service. For more information, consult your telephone company.



- **To return to the original party,** repeat the operation.

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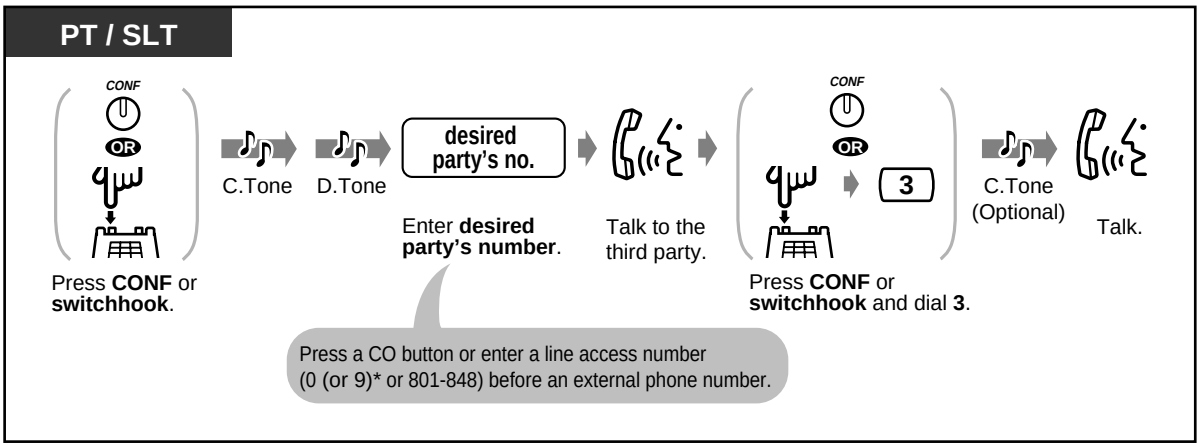
2.4.5 Three-party Conversation

— Adding a third party during a conversation
— Leaving a three-party conference
— Letting a third party join your call

Adding a third party during a conversation (Conference, three-party)

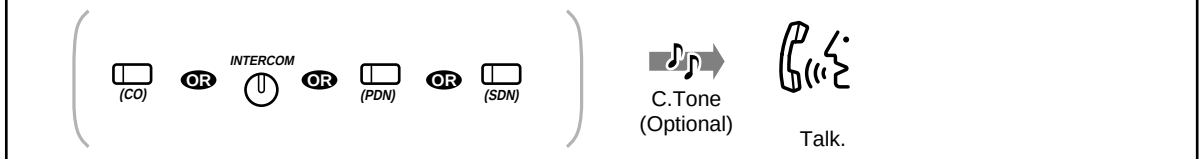
PT / SLT



*) 0: [SA], 9: Others

To talk to one party by terminating the other

PT



Press **CO**, **INTERCOM, PDN** or **SDN.**

Leaving a three-party conference

The other two parties can continue their conversation.
Even if these parties are external, you can leave the conference (Unattended Conference). You may return to the conference, if desired.

PT / SLT

When you are talking with two extensions or one extension party and one external party

On-hook.

PT

When you are talking with two external parties (Unattended Conference)

Some extensions may be restricted from performing this function.

Press **CONF**.

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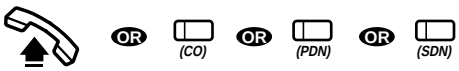
◆ *To return to the conference call from unattended conference*

PT / SLT

While hearing alert ringing



Off-hook or press **CO, PDN or SDN.**

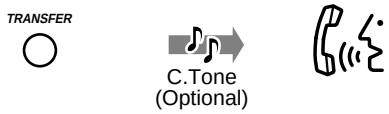
PT

While the others are talking

Press **CO, PDN or SDN**.

◆ *To talk to the third party while holding the original party*

PT



Press **TRANSFER**.

Talk.

◆ *To talk to the original party while holding the third party*

SLT

Press **switchhook**.

Talk.

- **Time Limit**
  Both external parties will hear an alert tone 15 seconds before the time limit (Default: 10 min) runs out. The original extension will hear an alert tone 50 seconds before the time runs out. The call is disconnected when the time runs out unless the original extension returns to the conference.

4.1 Customising Your Phone (Station Programming)
- 4.1.2 Customising the Buttons
  Create or re-arrange a Conference button.

4.3 Customising Your System (User Programming)
- 4.3.5 Flexible CO Button Assignment (005)

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Letting a third party join your call (Privacy Release)

You can let a third party join your current outside call.

PT

During a conversation

Press lighted **CO**.

Ask the third party to perform the step below.

Press flashing green **CO** within 5 seconds.

C.Tone (Optional)

Talk.

A three-party conference call is now established.

To leave

PT

On-hook.

To talk to one party by terminating the other

PT

Press **CO**, **INTERCOM** or **PDN**.

- This feature overrides "Data Line Security" (☞"2.7.11 Protecting Your Line against Indication Tones (Data Line Security)") and "Executive Busy Override Deny" (☞"2.7.9 Denying Other People the Possibility of Joining Your Conversation (Executive Busy Override Deny)").

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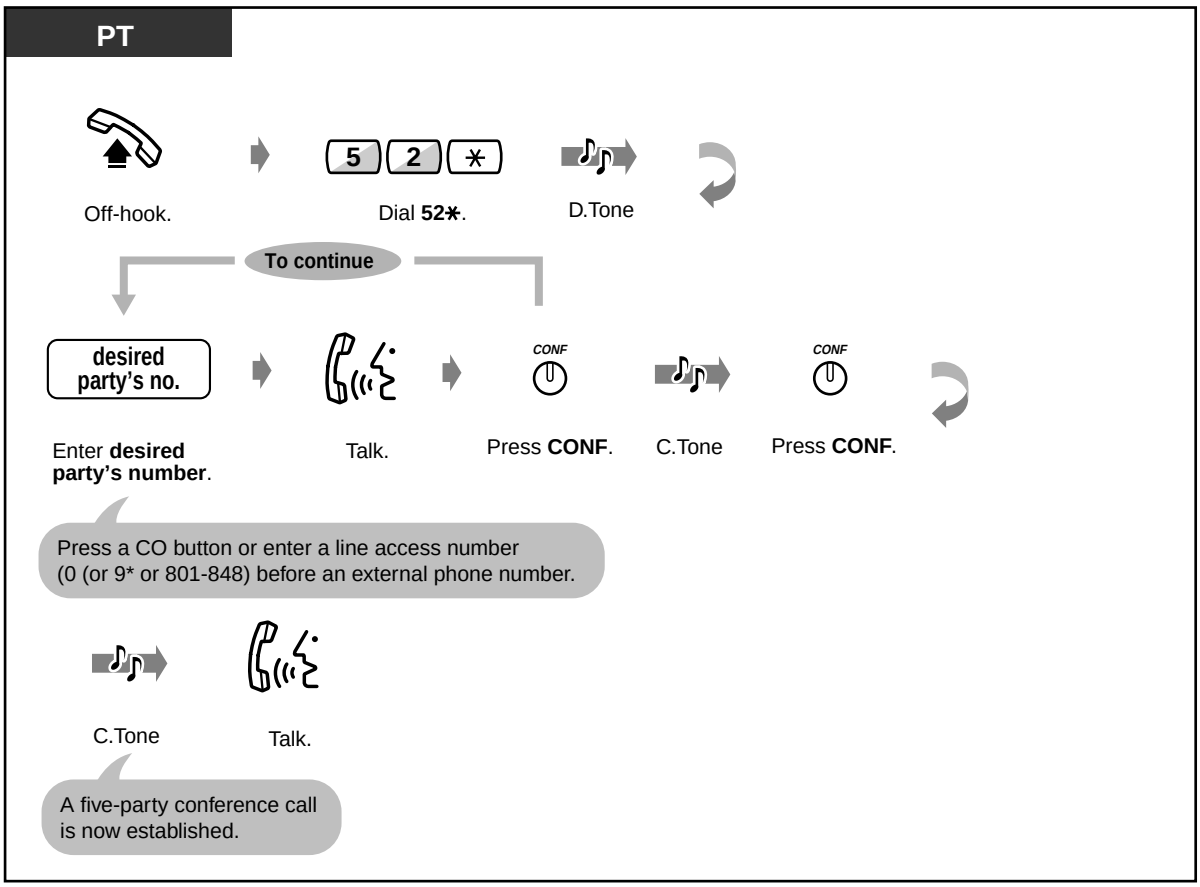
2.4.6 Five-party Conversation

You (PT user) can originate a five-party conference call which includes inside and/or outside parties.

– Originating a five-party conference call

– Terminating a five-party conference call

Originating a five-party conference call (Conference, five-party)



*) 0: [SA], 9: Others

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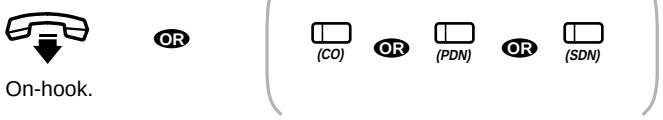
Terminating a five-party conference call (conference originator only)

PT

During a five-party conversation



On-hook.

Press an idle **CO**, **PDN** or **SDN.**

- Up to two five-party conference calls can be held at a time in the system.
- **Conference call arrangement**
  A five-party conference call can include both inside and outside parties in any combination.
- **Executive Busy Override Deny**
  Executive Busy Override does not function to the extension engaged in the five-party conference call.
- If the other party you called is in one of the following status, you can terminate the current call and call a new party by pressing the FLASH button.
  – the other party does not answer the call.
  – the other party refuses to join a five-party conference call
  – the other party is a Voice Mail extension

4.1 Customising Your Phone (Station Programming)
- 4.1.1 Initial Settings

4.3 Customising Your System (User Programming)
- 4.3.5 Flexible CO Button Assignment (005)

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2.4.7 Mute

You can disable the microphone or the handset to consult privately others in the room while listening to the other party on the phone through the telephone speaker or the handset. There are two types of mute as follows:

Handset Mute:
During a conversation using the handset.
This feature is available for the KX-T7500 series PT users only.
Microphone Mute:
During a conversation using the microphone.

◆ **To set/cancel**

PT

During a conversation

AUTO ANS/ MUTE

OR

VOICE CALL/ MUTE

Press **MUTE**.

- The AUTO ANSWER/MUTE or VOICE CALL/MUTE (KX-T7550, KX-T7560 only) button light shows the current status as follows:
  Flashing red: Mute
  Off: Normal
- Microphone Mute is available for the PT with AUTO ANSWER/MUTE button only.

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2.4.8 Letting Other People Listen to the Conversation (Off-Hook Monitor) [KX-T7531, KX-T7533, KX-T7536 and KX-T7565 only]

You can let other people in the room listen to the conversation through the telephone speaker while continuing the conversation using the handset.

◆ ***To set/cancel***

T7531 / T7533 / T7536 / T7565

During a conversation

Press **SP-PHONE**.

- This feature is only available during a conversation using the handset.
- The SP-PHONE button light shows the current status as follows:
  On: The voice is heard through the telephone speaker.
  Off: The voice is heard only through the handset.

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2.4.9 End-to-End DTMF Signalling (Tone Through)

DTMF signalling is required for access to special network services offered by some telephone companies. This system allows you to signal the other end using DTMF tones during an established call.

◆ ***End-to-End DTMF Signalling (1)***

PT

During a conversation

required code

Enter **required code**.

DTMF signal is sent to the other end while dialling.

◆ ***End-to-End DTMF Signalling (2) (When "Automatic Hold — All Calls" is enabled)***

PT

During a conversation

(Tone Through) → required code

Press **Tone Through.**

Enter **required code**.

DTMF signal is sent to the other end while dialling.

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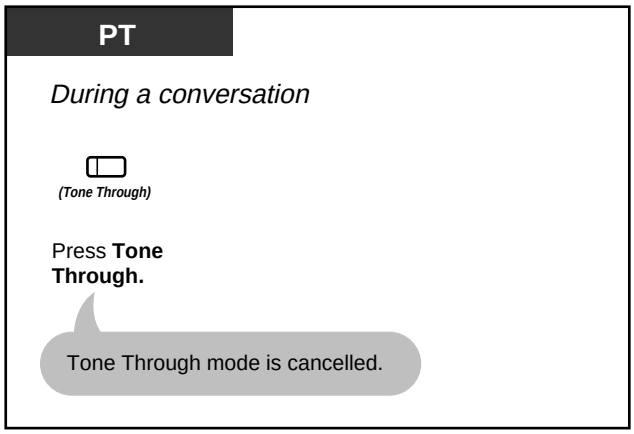
◆ *To cancel End-to-End DTMF Signalling mode*



- If the dial type of the line is assigned to DTMF, Tone Through mode is established automatically after the dialling sequence is finished and the call is established.
- Tone Through button is effective during a call between two extensions or extension to outside.

4.1 Customising Your Phone (Station Programming)
- 4.1.2 Customising the Buttons
  Create or re-arrange a Tone Through button.

4.3 Customising Your System (User Programming)
- 4.3.5 Flexible CO Button Assignment (005)

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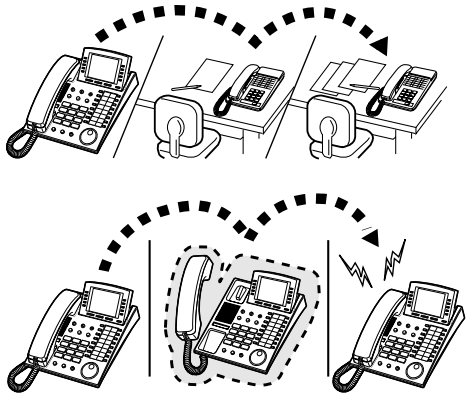
2.5 Before Leaving Your Desk

2.5.1 Forwarding Your Calls (Call Forwarding)



You can have your incoming calls forwarded to a specific destination.

All Calls: All calls are forwarded to the pre-assigned extension regardless of the status of your extension.
Busy: All calls are forwarded to the pre-assigned extension when your extension is busy.
No Answer: All calls are forwarded to the pre-assigned extension when you do not answer the call.
Busy / No Answer (BSY N/A): All calls are forwarded to the pre-assigned extension when you do not answer the call or when your extension is busy.
To Outside Line (CO / TIE Line): All calls are forwarded to the pre-assigned external party regardless of the status of your extension. The call duration is limited. Some extensions may be restricted.
No Answer to Outside Line (CO / TIE Line): All calls are forwarded to the pre-assigned external party when you do not answer the call. The call duration is limited. Some extensions may be restricted.
Follow Me (From): If you forget to set "All Calls" to be forwarded before leaving your desk, you can set the same function from the destination extension.

!!

- You can set your mailbox or mobile telephone as the forwarding destination.

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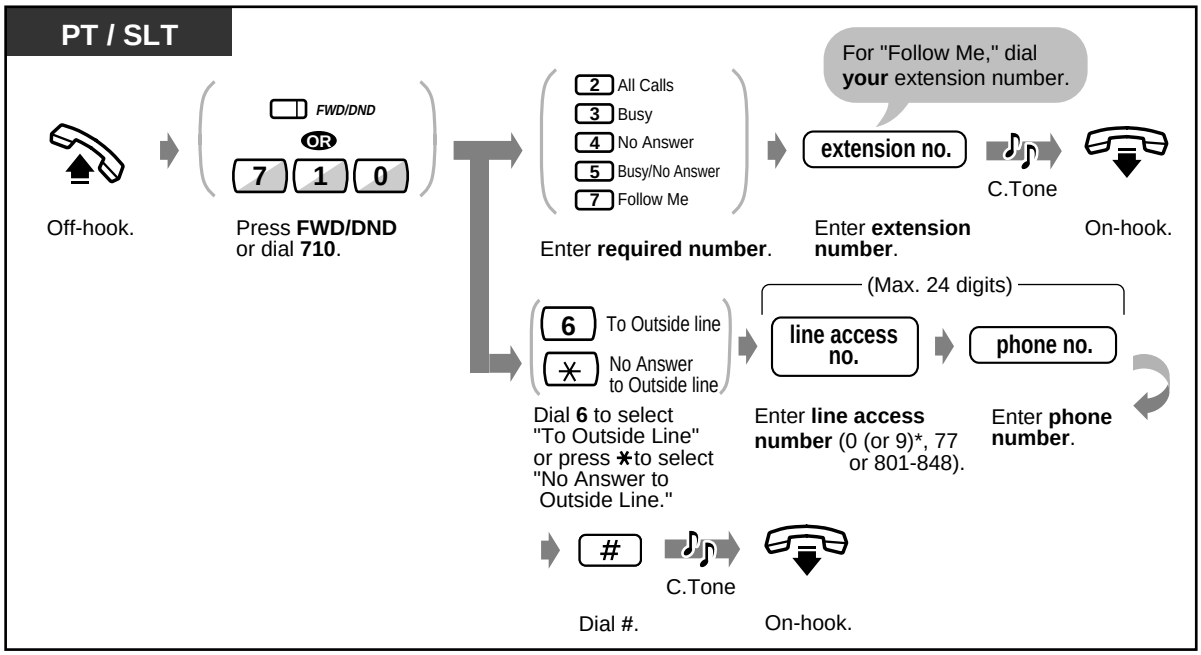
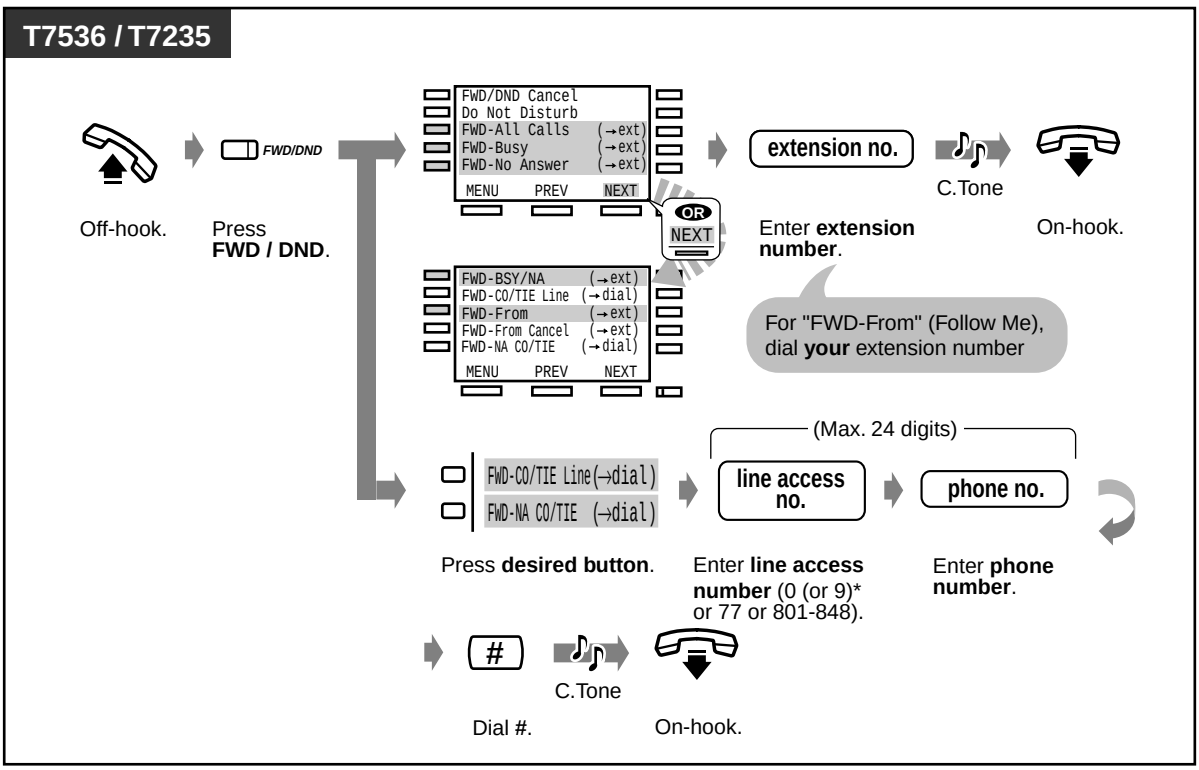
◆ ***To set***



*) 0: [SA], 9: Others



*) 0: [SA], 9: Others

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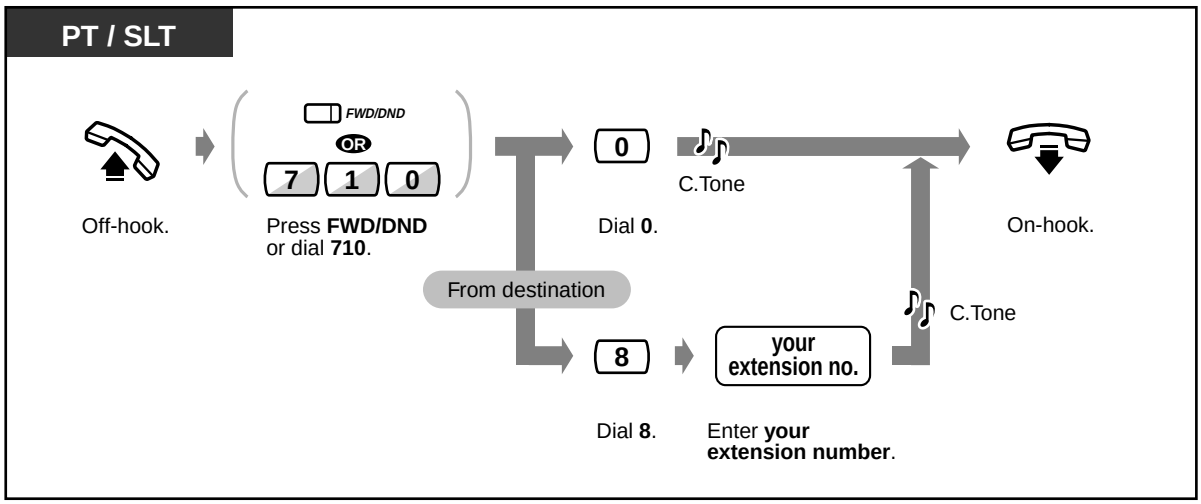
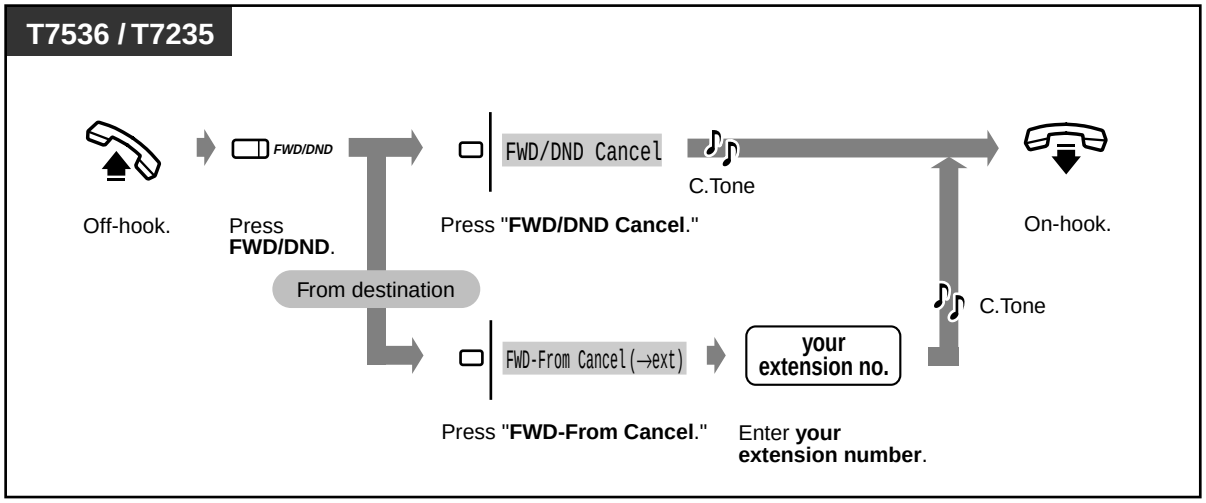
◆ *To cancel*

PT / SLT



T7536 / T7235



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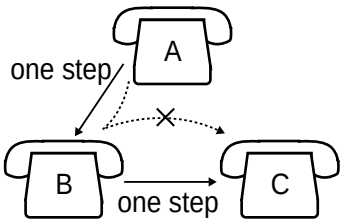
- A call can only be forwarded to one target telephone. For example, extension A's call is forwarded to extension B. Extension B's call is forwarded to extension C. A call to extension A is forwarded to extension B, but the call would not be forwarded directly to extension C from A.



- The extension which is set as the destination can call the original extension.
- While setting, you can temporarily cancel this feature by pressing the FWD/DND button. Pressing the FWD/DND button alternates between setting or cancelling the mode.
- You can set the "Do Not Disturb (DND)" and "Call Forwarding (FWD)" features at the same time. However, only one feature will work at a time. Pressing the FWD/DND button while on-hook changes the feature as follows:

- The FWD/DND button light shows the current status as follows:

Off: Both features are not set.
Red on: DND mode
Flashing red: FWD mode
This setting can be changed by System Programming.

4.1 Customising Your Phone (Station Programming)
- 4.1.2 Customising the Buttons
  Create or re-arrange an FWD/DND button.

4.3 Customising Your System (User Programming)
- 4.3.5 Flexible CO Button Assignment (005)

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2.5.2 Forwarding Your Calls by ISDN (Call Forwarding by ISDN Provider)

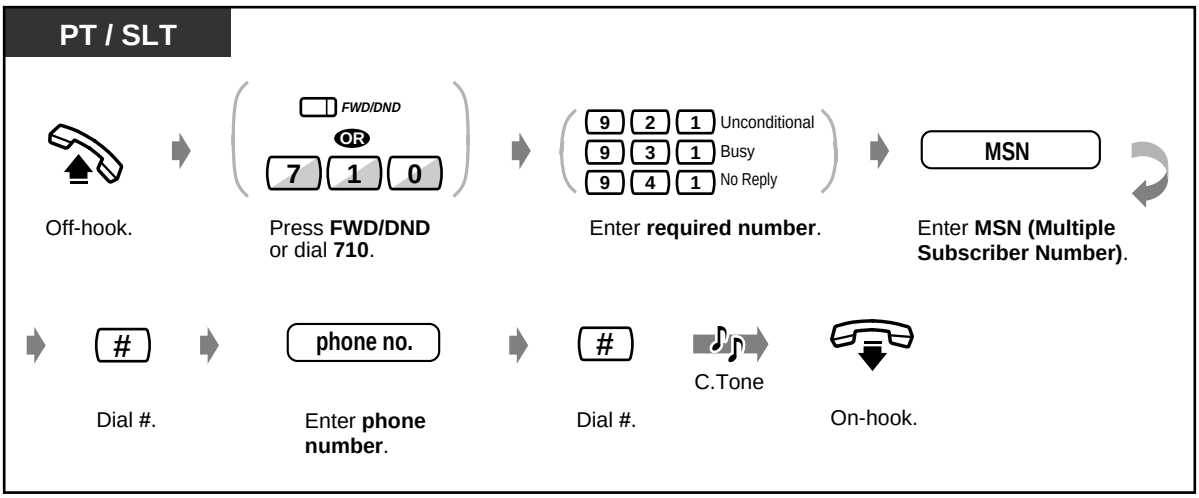
You can have your incoming calls forwarded to an outside number via ISDN network.
This is the Call Forwarding feature provided by the ISDN network.
This feature can be categorised as follows:

Call Forwarding Unconditional (CFU)
Allows you to have all your incoming calls forwarded to an outside number via ISDN network regardless of the status of your extension.

Call Forwarding Busy (CFB)
Allows you to have your incoming calls forwarded to an outside number via ISDN network when your extension is busy.

Call Forwarding No Reply (CFNR)
Used to route your incoming calls to an outside number via ISDN network if your extension isn't answered after a pre-determined number of rings.

◆ ***To set***



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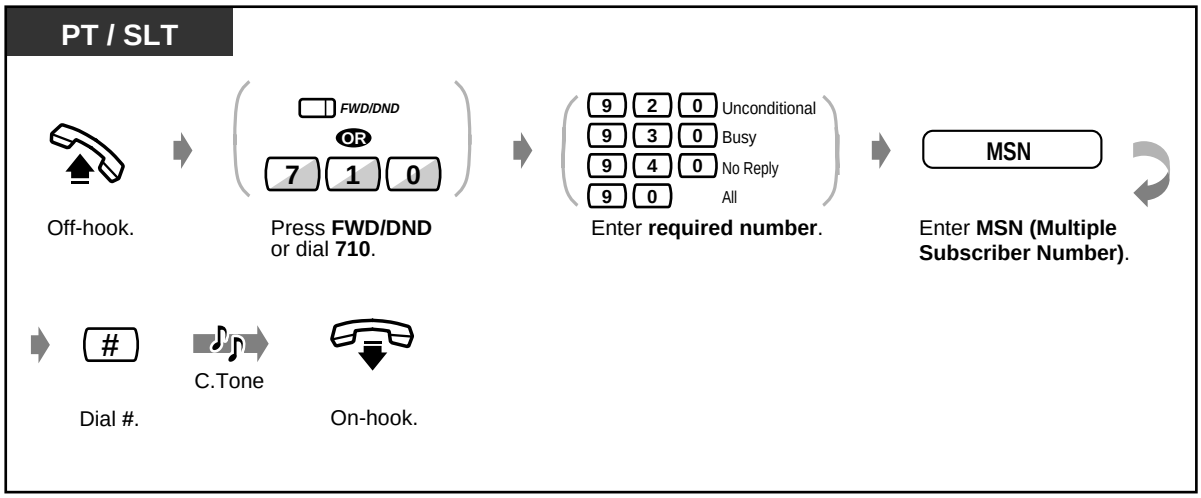
◆ ***To cancel***



- This feature can be used together with the regular Call Forwarding/Do Not Disturb feature provided by the KX-TD500 System.
- Some ISDN operators do not support one or more of setting and cancelling Call Forwarding by ISDN Line Functions.

4.1 Customising Your Phone (Station Programming)
- 4.1.2 Customising the Buttons
  Create or re-arrange an FWD/DND button.

4.3 Customising Your System (User Programming)
- 4.3.5 Flexible CO Button Assignment (005)

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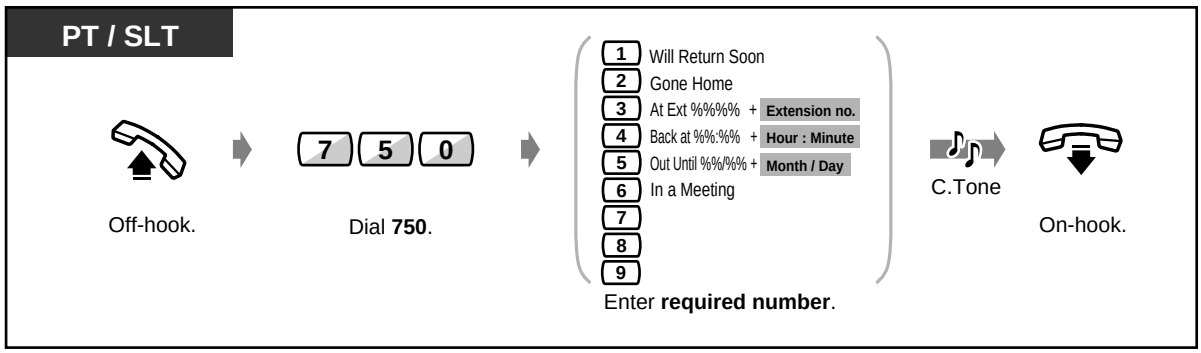
2.5.3 Showing an Absent Message on the Caller's Telephone Display (Absent Message Capability)

You can show the reason for your absence, if the calling extension uses a Panasonic Proprietary Telephone with a display. This way the caller will know when you will be available. You can choose one of nine messages.

Message no.	Default Message
1	Will Return Soon
2	Gone Home
3	At Ext %%%% (Extension number)
4	Back at %%:%% (Hour:Minute)
5	Out Until %%/%% (Month/Day)
6	In a Meeting
7	(Blank)
8	(Blank)
9	(Blank)

- Enter the desired value in the "%" space.
  You must make your message in all of the "%"s using 0 to 9, #, or ✳.
- The default messages can be changed by System Programming. Consult your System Manager or dealer.

◆ ***To set***



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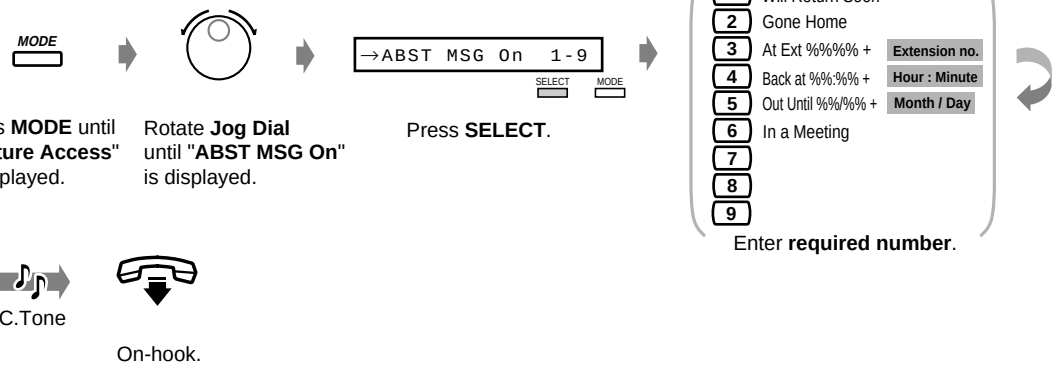
◆ *To set (contd.)*

T7531



Press **MODE** until "**Feature Access**" is displayed.

Rotate **Jog Dial** until "**ABST MSG On**" is displayed.

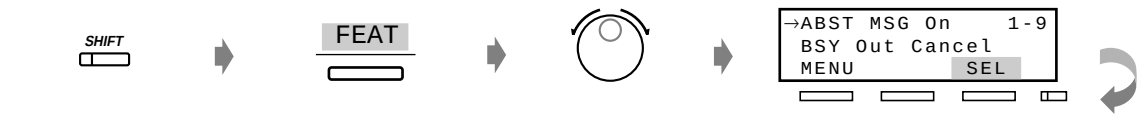
Press **SELECT**.

Enter **required number**.

C.Tone

On-hook.

T7533

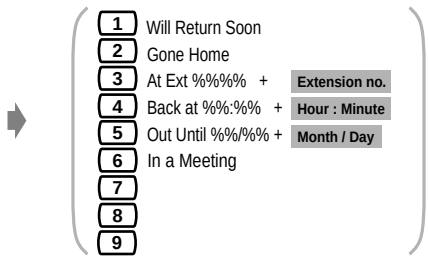


Press **SHIFT** until "**FEAT**" is displayed.

Press "**FEAT**."

Rotate **Jog Dial** until "**ABST MSG On**" is at the arrow.

Press "**SEL**."

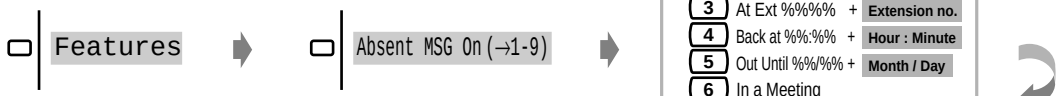


Enter **required number**.

C.Tone

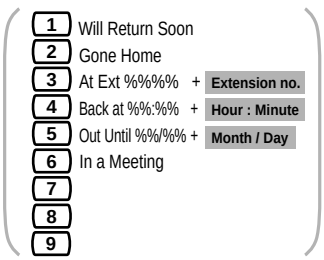
On-hook.

T7536 / T7235



Press "**Features**."

Press "**Absent MSG On**."



Enter **required number**.

C.Tone

On-hook.

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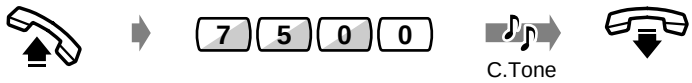
◆ ***To cancel***

PT / SLT



Off-hook. Dial **7500**. On-hook.

T7531

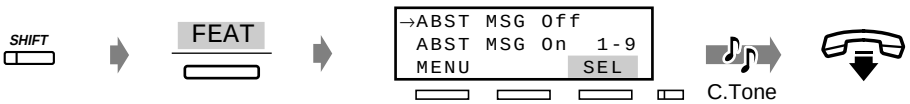
Press **MODE** until "**Feature Access**" is displayed.

Rotate **Jog Dial** until "**ABST MSG Off**" is displayed.

Press **SELECT**.

On-hook.

T7533



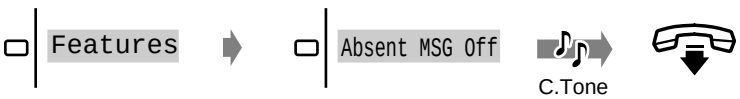
Press **SHIFT** until "**FEAT**" is displayed.

Press "**FEAT**."

Press "**SEL**."

On-hook.

T7536 / T7235



Press "**Features**."

Press "**Absent MSG Off**."

On-hook.

- **To confirm the message,** go off-hook.
  It will be displayed.

3.2 System Control
- 3.2.6 Hotel Use Features (Hotel Application) [KX-T7536, KX-T7235 only]

4.3 Customising Your System (User Programming)
- 4.3.8 Absent Messages Set (008)

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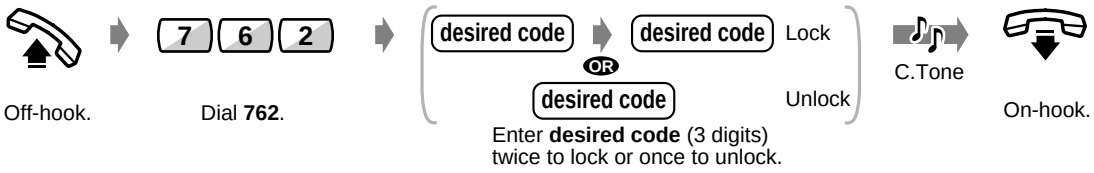
2.5.4 Preventing Other People from Making Outside Calls Using Your Telephone (Electronic Station Lockout)

You can lock your extension so that other users cannot make outside calls from your extension.

◆ ***To lock/unlock***

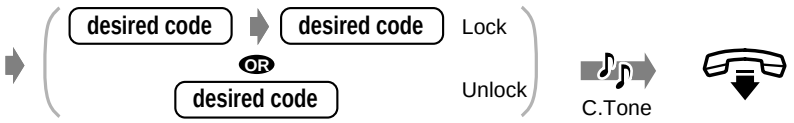
PT / SLT



Off-hook. Dial **762**. Enter **desired code** (3 digits) twice to lock or once to unlock. On-hook.

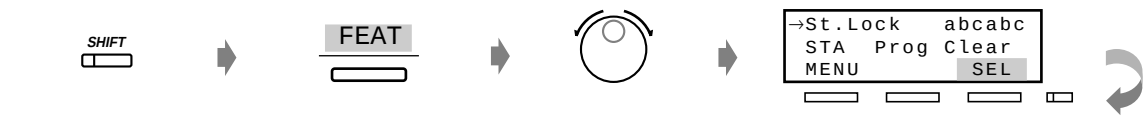
T7531

Press **MODE** until "**Feature Access**" is displayed. Rotate **Jog Dial** until "**St. Lock**" is displayed. Press **SELECT**.

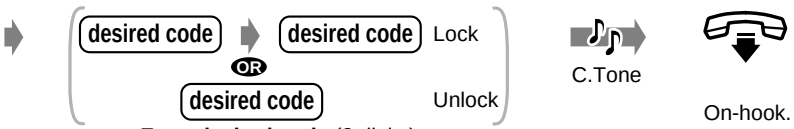


Enter **desired code** (3 digits) twice to lock or once to unlock. On-hook.

T7533



Press **SHIFT** until "**FEAT**" is displayed. Press "**FEAT**." Rotate **Jog Dial** until "**St.Lock**" is at the arrow. Press "**SEL**."



Enter **desired code** (3 digits) twice to lock or once to unlock. On-hook.

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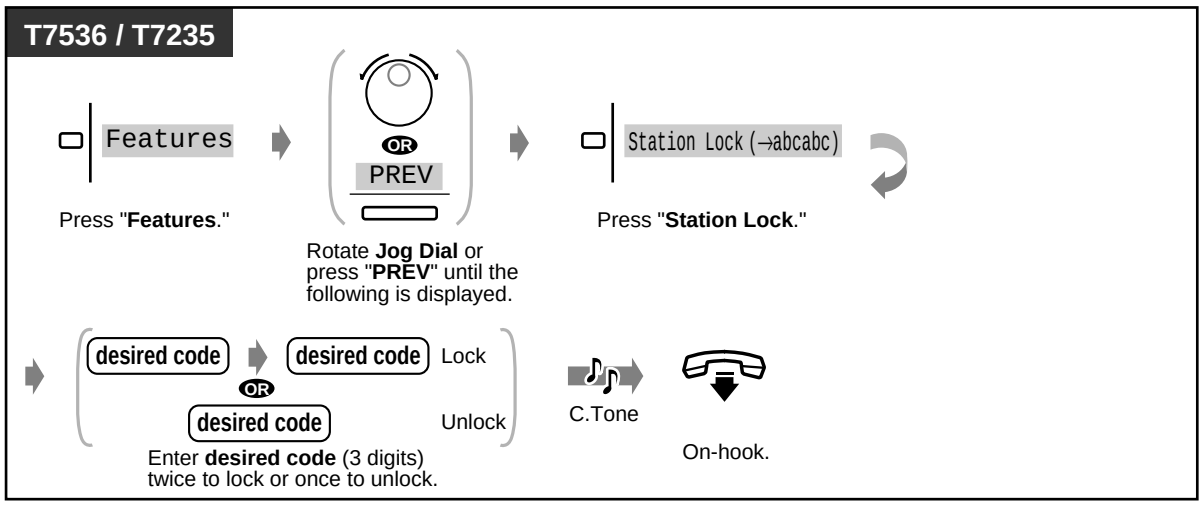
◆ ***To lock/unlock (contd.)***



- **If you forget the code or cannot unlock your phone,** consult an Operator or the Manager. They can unlock your extension **(Remote Station Lock Control).**

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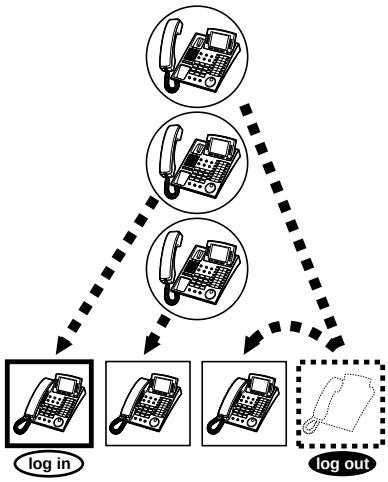
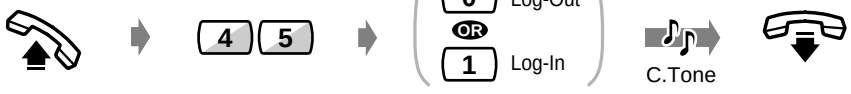
2.5.5 Leaving a Group (Log-In/Log-Out)

You can set your status in an extension group/ incoming group. Set Log-Out when you leave the office so that incoming calls will temporarily skip your extension in the receiving order. When you return, set Log-In so that calls will reach your extension. (Default: Log-In)



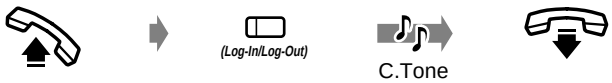
◆ ***Log-In/Log-Out (For members of an Extension Group and Phantom Extensions)***

PT / SLT



Off-hook. Dial **45**. Dial **0** to log-out or **1** to log-in. On-hook.

PT



Off-hook. Press **Log-In**/ **Log-Out**. On-hook.

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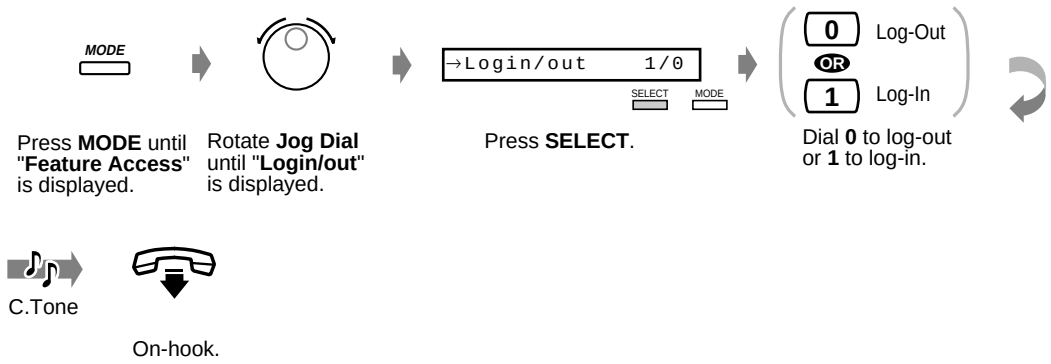
◆ *Log-In/Log-Out (For members of an Extension Group and Phantom Extensions) (contd.)*

T7531



Press **MODE** until "**Feature Access**" is displayed.

Rotate **Jog Dial** until "**Login/out**" is displayed.

Press **SELECT**.

Dial **0** to log-out or **1** to log-in.

C.Tone

On-hook.

T7533

Press **SHIFT** until "**FEAT**" is displayed.

Press "**FEAT**."

Rotate **Jog Dial** until "**Login/out**" is at the arrow.

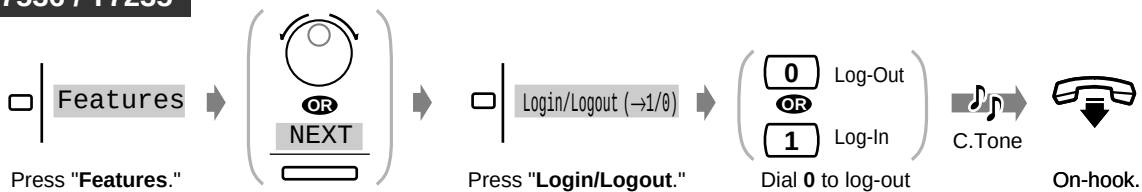
Press "**SEL**."

Dial **0** to log-out or **1** to log-in.

C.Tone

On-hook.

T7536 / T7235



Press "**Features**."

Rotate **Jog Dial** or press "**NEXT**" until the following is displayed.

Press "**Login/Logout**."

Dial **0** to log-out or **1** to log-in.

C.Tone

On-hook.

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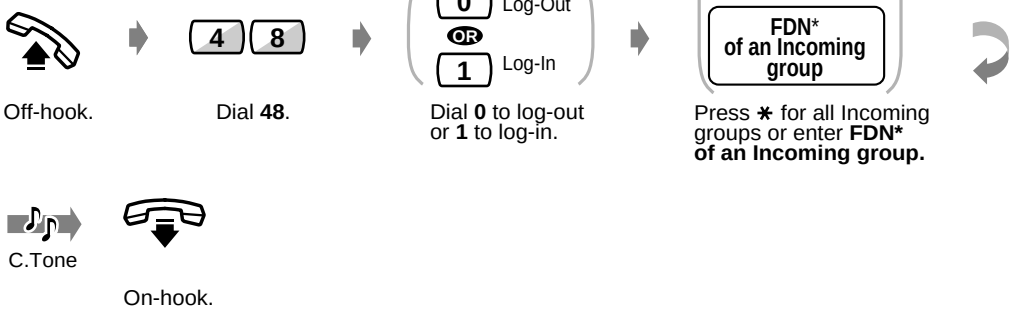
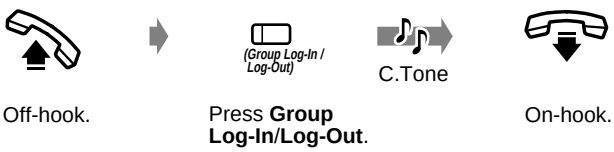
◆ *Group Log-In/Log-Out (for members of an Incoming Group)*

PT / SLT



PT



* FDN (Floating Directory Number):
Virtual extension number assigned to a group of extensions, such as a UCD group, to make it appear as a real extension.

- The Log-In/Log-Out (Group Log-In/Log-Out) button light shows the current status as follows:
  Off: Log-In mode
  Red on: Log-Out mode
  Flashing red: a call waiting*
  * It is shown on the Log-In/Log-Out button of the Extension Group members or Group Log-In/Log-Out button corresponding with the Incoming Group.
- Log-In/Log-Out setting also works on phantom extension calls.

4.1 Customising Your Phone (Station Programming)
4.1.2 Customising the Buttons
Create or re-arrange a Log-In/Log-Out (Group Log-In/Log-Out) button.
4.3 Customising Your System (User Programming)
4.3.5 Flexible CO Button Assignment (005)

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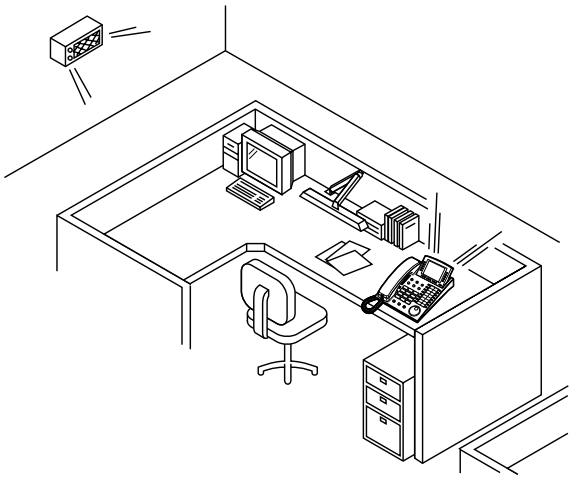
2.6 Making/Answering an Announcement

2.6.1 Paging

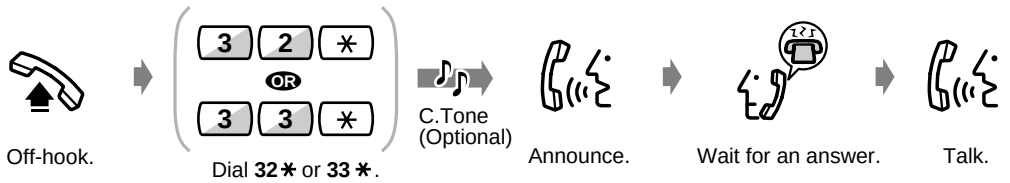
You can make a voice announcement to several people at the same time. Your announcement is sent over the Proprietary Telephone speakers and/or external speakers. The paged person can answer your paging from any telephone (including SLTs). There are three types as shown below:

All: Paging through both the telephone speakers and external speakers.
External: Paging through the external speakers.
Group: Paging to a particular paging group or all paging groups through the telephone speakers.



◆ ***All***

PT / SLT



Off-hook. Dial **32**✳ or **33**✳. C.Tone (Optional) Announce. Wait for an answer. Talk.

◆ ***External***

PT / SLT

Off-hook. Dial **32**. Enter **speaker number** (1 or 2) or **0** (for all). C.Tone (Optional) Announce. Wait for an answer. Talk.

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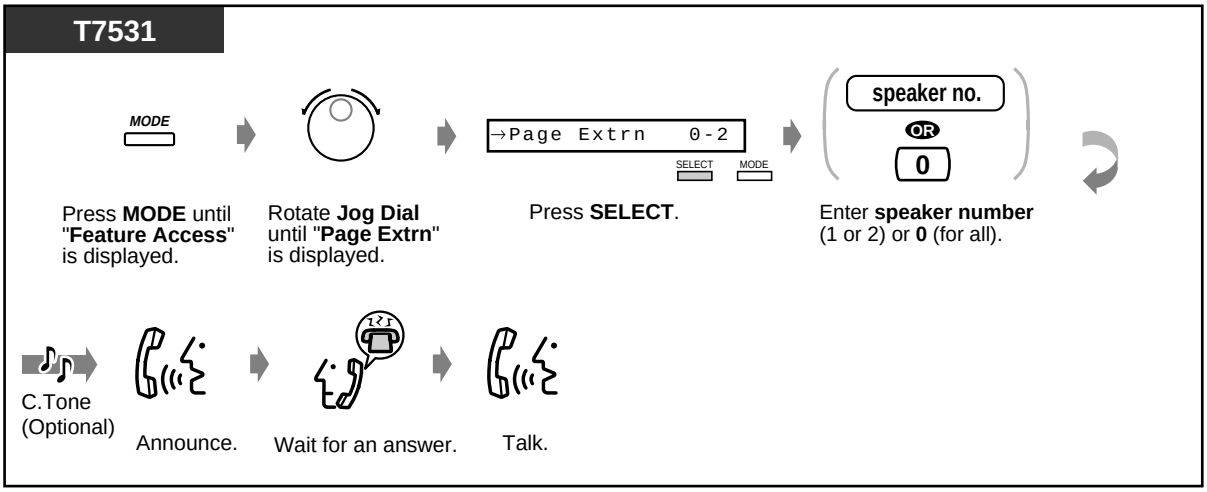
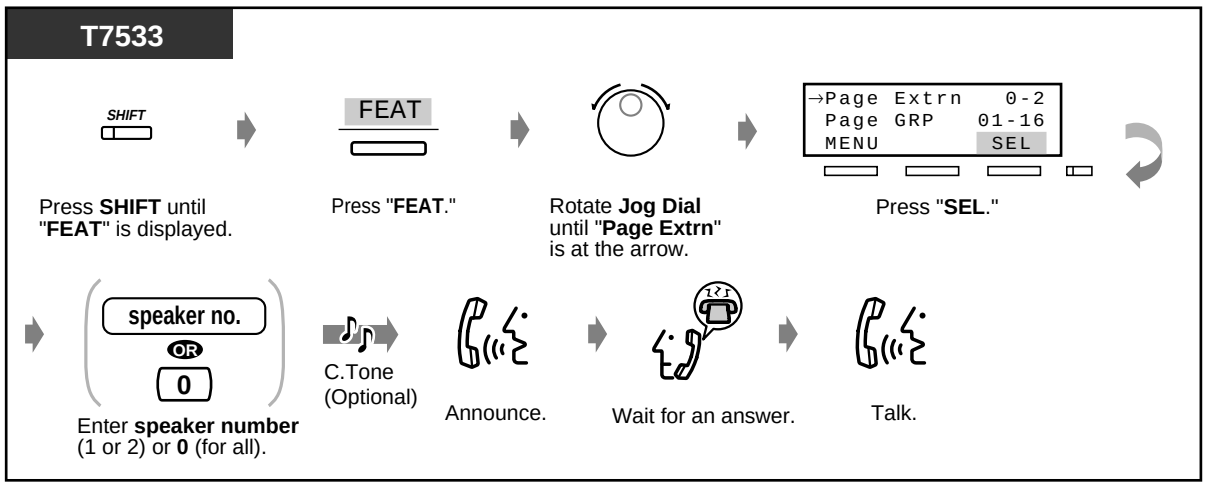
◆ *External (contd.)*

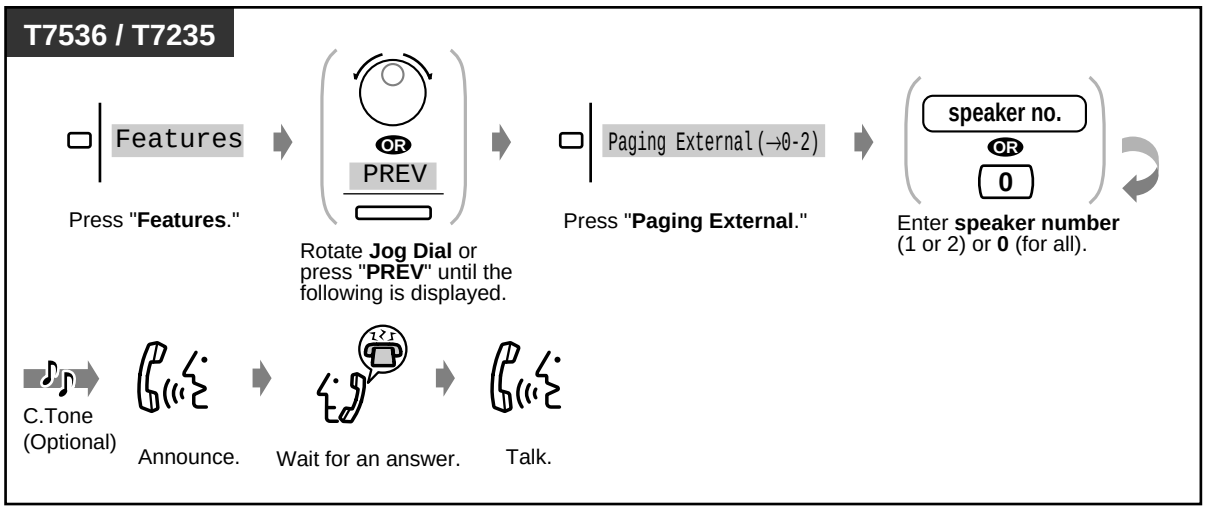
T7531



T7533



T7536 / T7235



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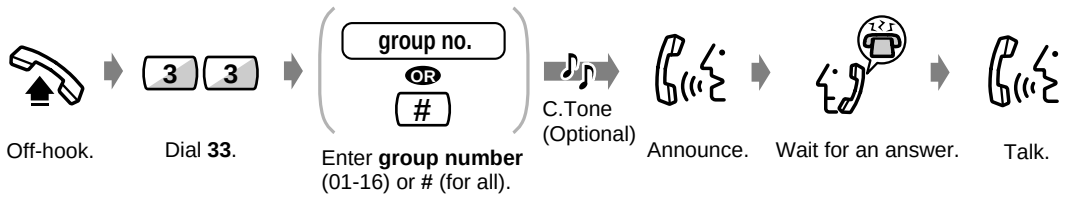
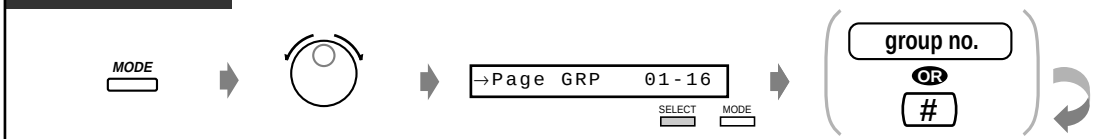
◆ *Group*

PT / SLT



Off-hook. Dial **33**. Enter **group number** (01-16) or # (for all). C.Tone (Optional). Announce. Wait for an answer. Talk.

T7531



Press **MODE** until "**Feature Access**" is displayed. Rotate **Jog Dial** until "**Page GRP**" is displayed. Press **SELECT**. Enter **group number** (01-16) or # (for all).

Announce. Wait for an answer. Talk.

T7533

Press **SHIFT** until "**FEAT**" is displayed. Press "**FEAT**." Rotate **Jog Dial** until "**Page GRP**" is at the arrow. Press "**SEL**."

Enter **group number** (01-16) or # (for all). Announce. Wait for an answer. Talk.

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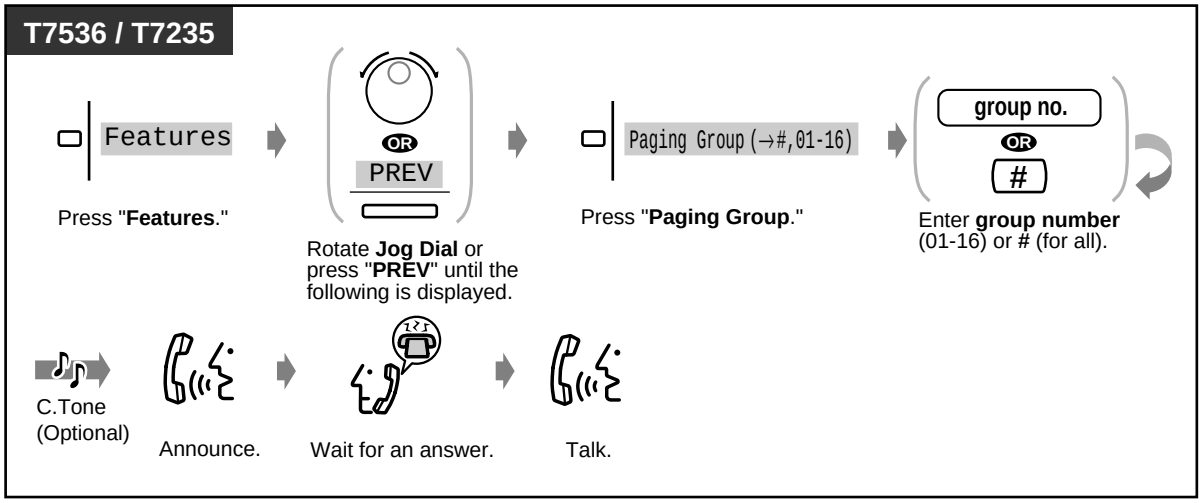
◆ ***Group (contd.)***

T7536 / T7235



- A ringing, busy extension, or a single line telephone cannot receive a paged announcement.
- The PT user can deny being paged. For more details, please refer to "To set/cancel" in "2.7.4 Denying the Paged Announcement (Paging—Deny)."

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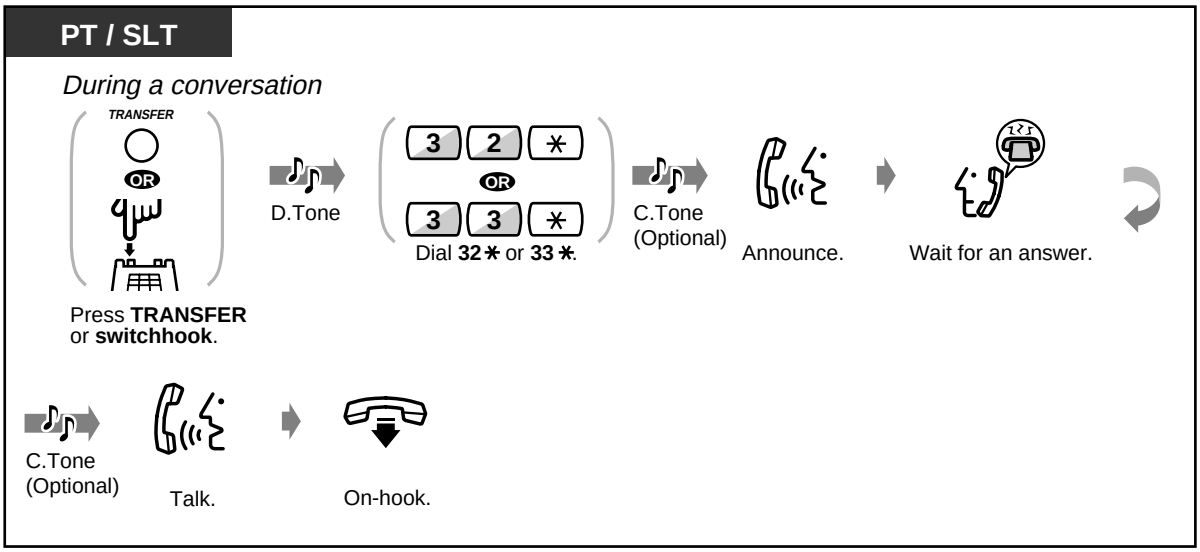
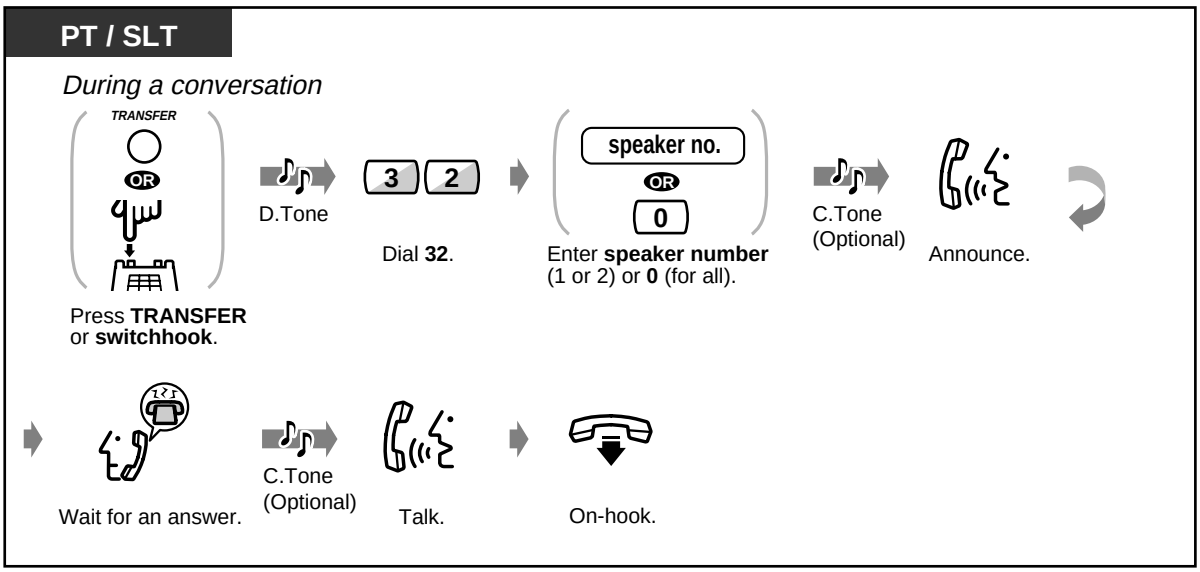
2.6.2 Paging a Person and Transferring a Call

You can transfer a call after making a paging announcement.

◆ ***Through an external speaker and telephone speakers***



◆ ***Through an external speaker***



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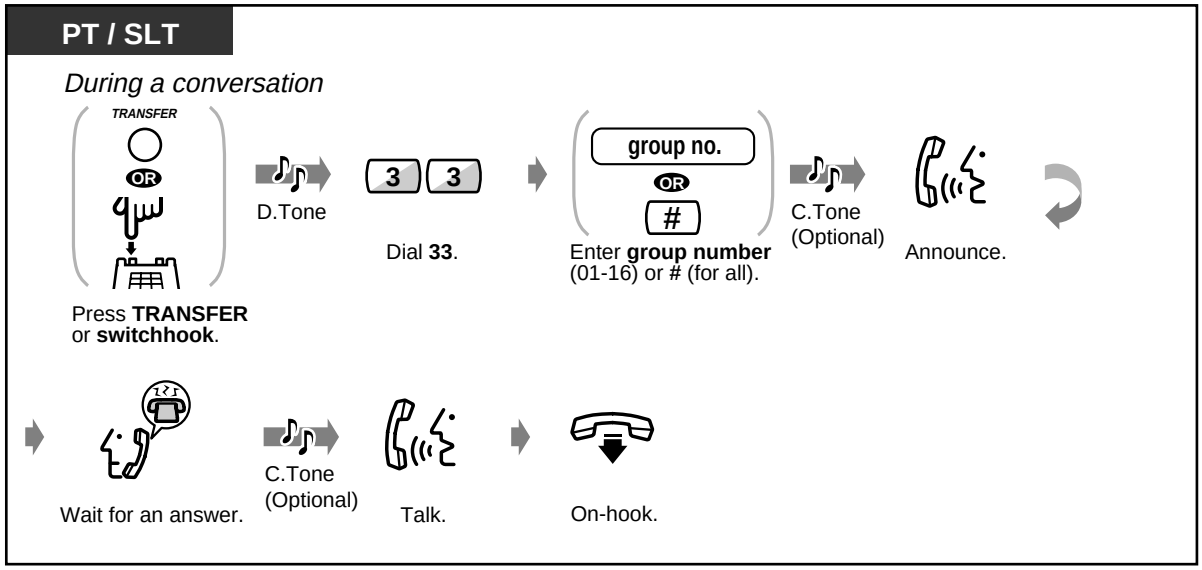
◆ ***Through the telephone speakers of a particular paging group***



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2.6.3 Answering a Paged Announcement

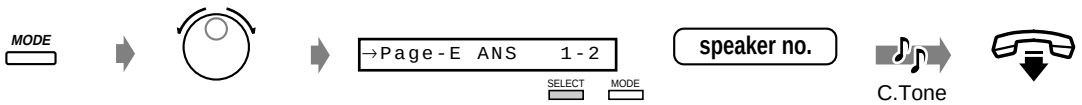
You can answer an announced page at any extension within the system.

◆ ***Through an external speaker***

PT / SLT

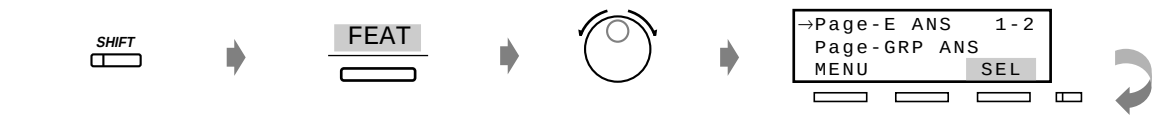
Off-hook. Dial **42**. Enter **speaker number** (1 or 2). C.Tone (Optional). Talk.

T7531



Press **MODE** until "**Feature Access**" is displayed. Rotate **Jog Dial** until "**Page-E ANS**" is displayed. Press **SELECT**. Enter **speaker number** (1 or 2). C.Tone (Optional). On-hook.

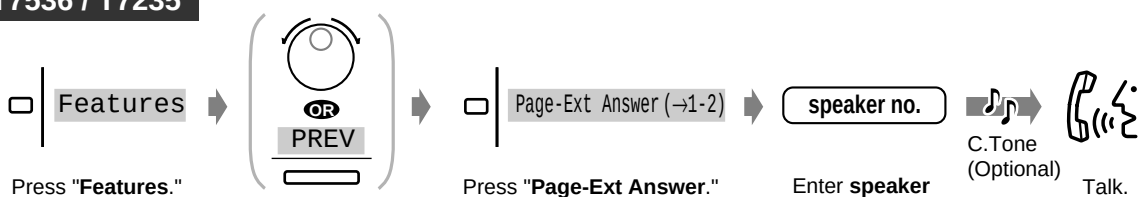
T7533



Press **SHIFT** until "**FEAT**" is displayed. Press "**FEAT**." Rotate **Jog Dial** until "**Page-E ANS**" is at the arrow. Press "**SEL**."

Enter **speaker number** (1 or 2). C.Tone (Optional). Talk.

T7536 / T7235



Press "**Features**." Rotate **Jog Dial** or press "**PREV**" until the following is displayed. Press "**Page-Ext Answer**." Enter **speaker number** (1 or 2). C.Tone (Optional). Talk.

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◆ *Through the telephone speakers*

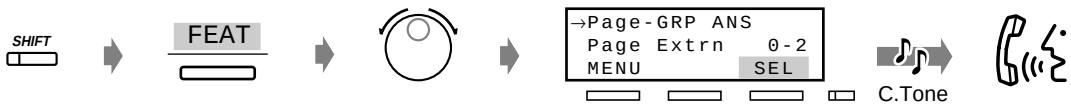
PT / SLT

Off-hook. Dial **43**. C.Tone (Optional). Talk.

T7531

Press **MODE** until "**Feature Access**" is displayed. Rotate **Jog Dial** until "**Page-GRP ANS**" is displayed. Press **SELECT**. C.Tone (Optional). On-hook.

T7533



Press **SHIFT** until "**FEAT**" is displayed. Press "**FEAT**." Rotate **Jog Dial** until "**Page-GRP ANS**" is at the arrow. Press "**SEL**." C.Tone (Optional). Talk.

T7536 / T7235

Press "**Features**." Rotate **Jog Dial** or press "**PREV**" until the following is displayed. Press "**Page-GRP Answer**." C.Tone (Optional). Talk.

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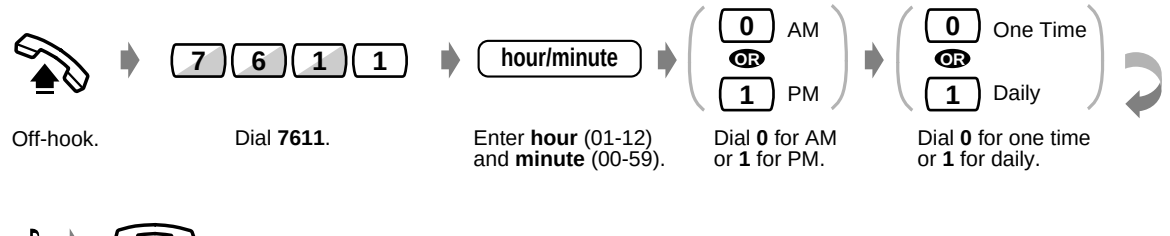
2.7 Setting the Telephone According to Your Needs

2.7.1 Setting the Alarm (Timed Reminder (Wake-Up Call))

You can receive a ringback alarm at your telephone to remind you of a meeting, appointment or as a wake-up call. The setting can be for either one time only or daily (every day until cancelled) at a pre-set time.

◆ ***To set***

PT / SLT

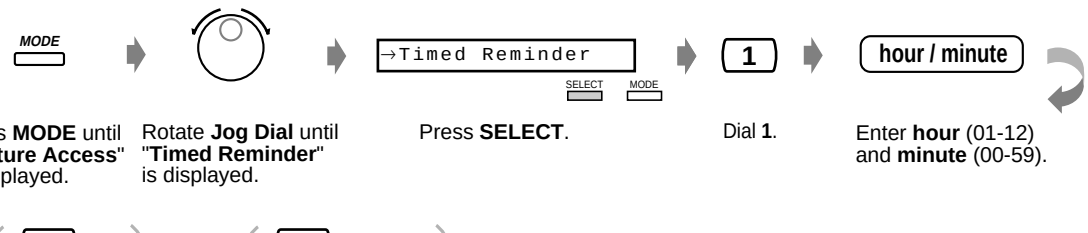


Off-hook. Dial **7611**. Enter **hour** (01-12) and **minute** (00-59). Dial **0** for AM or **1** for PM. Dial **0** for one time or **1** for daily.

C.Tone

On-hook.

T7531



Press **MODE** until "**Feature Access**" is displayed. Rotate **Jog Dial** until "**Timed Reminder**" is displayed. Press **SELECT**. Dial **1**. Enter **hour** (01-12) and **minute** (00-59).

Dial **0** for AM or **1** for PM. Dial **0** for one time or **1** for daily.

C.Tone

On-hook.

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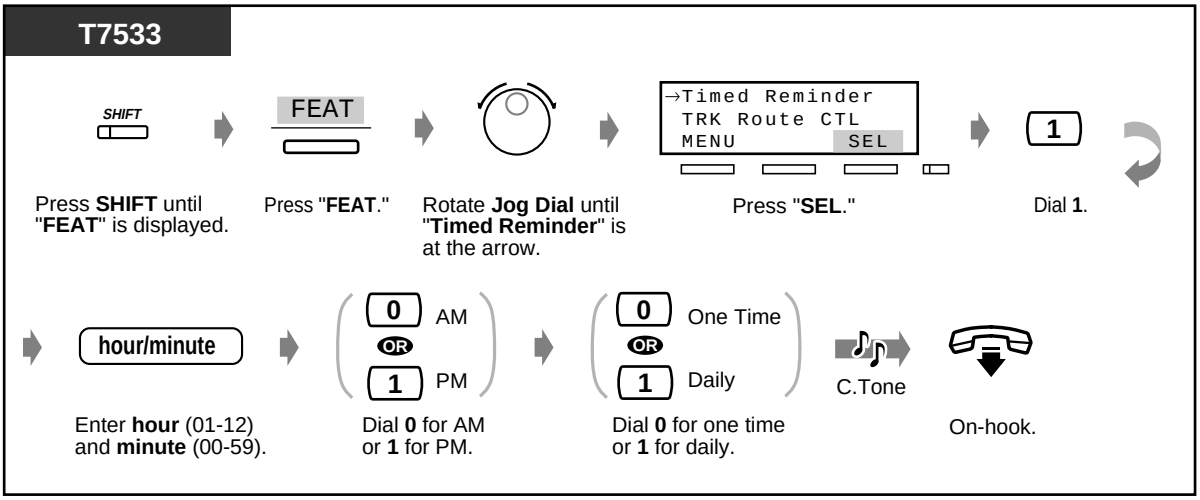
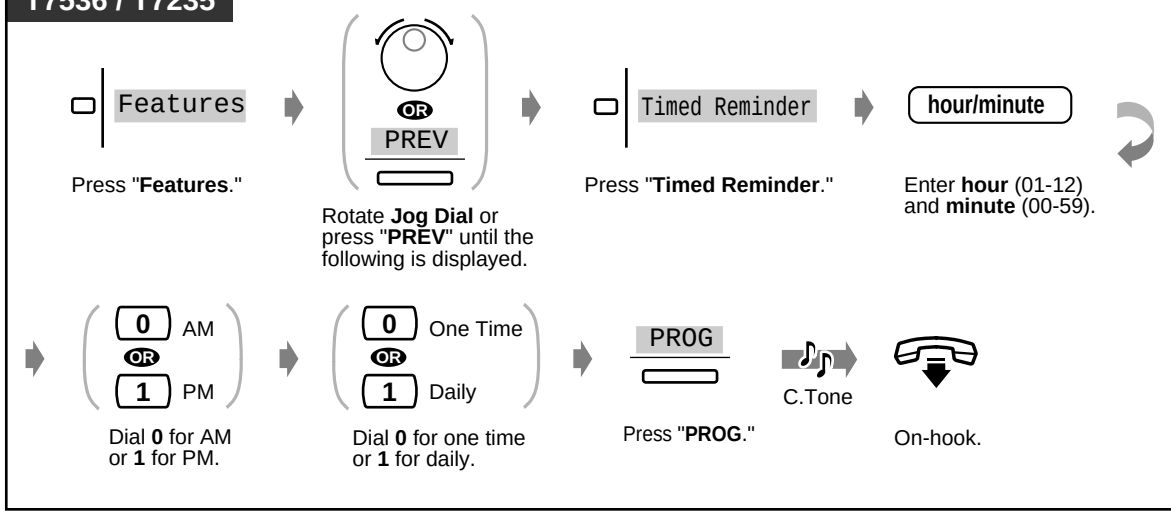
◆ *To set (contd.)*

T7533

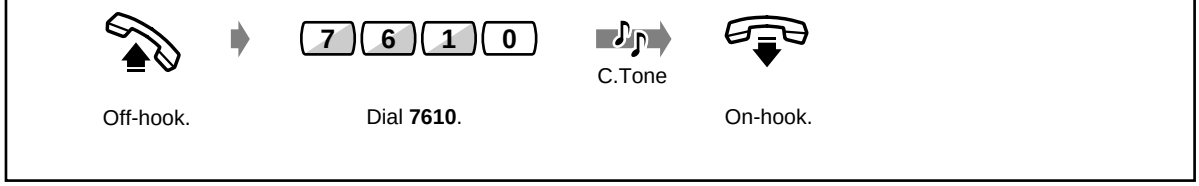


T7536 / T7235



◆ *To cancel*

PT / SLT



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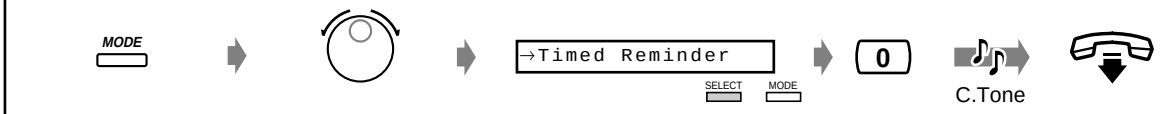
◆ *To cancel (contd.)*

T7531



Press **MODE** until "**Feature Access**" is displayed.

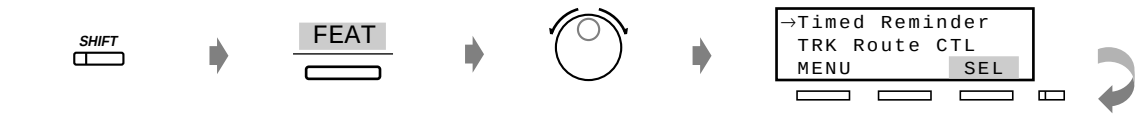
Rotate **Jog Dial** until "**Timed Reminder**" is displayed.

Press **SELECT**.

Dial **0**.

On-hook.

T7533



Press **SHIFT** until "**FEAT**" is displayed.

Press "**FEAT**."

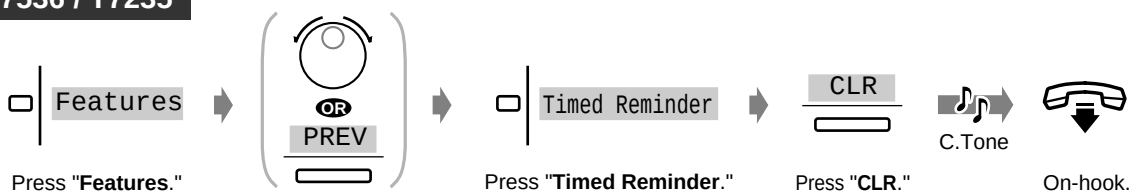
Rotate **Jog Dial** until "**Timed Reminder**" is at the arrow.

Press "**SEL**."

Dial **0**.

On-hook.

T7536 / T7235



Press "**Features**."

Rotate **Jog Dial** or press "**PREV**" until the following is displayed.

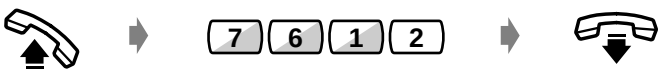
Press "**Timed Reminder**."

Press "**CLR**."

On-hook.

◆ *To view the setting*

Display PT



Off-hook.

Dial **7612**.

On-hook.

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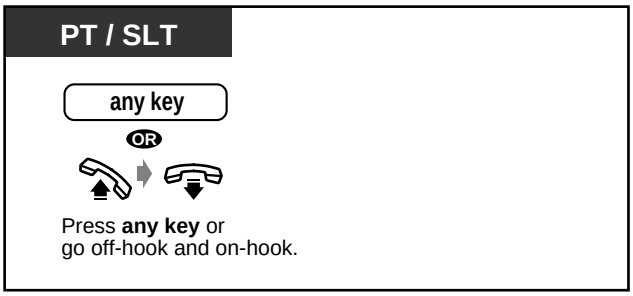
◆ *To stop or answer the ringback alarm*



- **If you receive an incoming call during ringback alarm,** ringing starts after the ringback alarm stops.
- **If you are having a conversation during the pre-set time,** the ringback alarm will start after your conversation.
- If you go off-hook to answer, you can hear the alarm tone or the message recorded by an Operator or the Manager beforehand.

- **If the daily alarm is set,** the display shows "*" beside AM/PM.

```
Alarm   10:10AM*
```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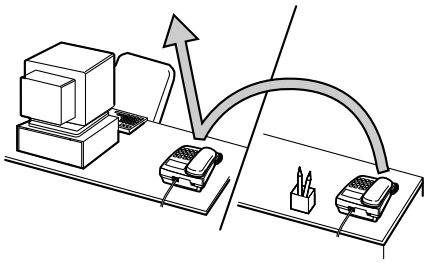
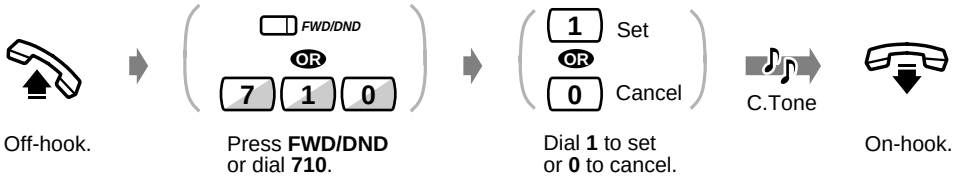
2.7.2 Refusing Incoming Calls (Do Not Disturb [DND])

You may set this feature during a meeting or when you are busy.



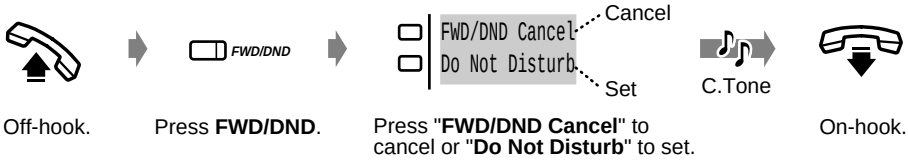
◆ ***To set/cancel***

PT / SLT



Off-hook. Press **FWD/DND** or dial **710**. Dial **1** to set or **0** to cancel. On-hook.

T7536 / T7235



Off-hook. Press **FWD/DND**. Press "**FWD/DND Cancel**" to cancel or "**Do Not Disturb**" to set. On-hook.

- A flashing CO button tells you an outside call is received. You can answer the call by pressing the flashing CO button.
- While setting, you can temporarily cancel this feature by pressing the FWD/DND button. Pressing the FWD/DND button alternates between setting or cancelling the mode.
- You can set the "Do Not Disturb" and "Call Forwarding" features at the same time. However, only one feature will work at a time. You can change the feature by pressing the FWD/DND button while on-hook. Pressing the FWD/DND button changes the feature as follows:

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- Specified extensions can override this setting and call DND extensions **(Do Not Disturb [DND] Override)**.
- The FWD/DND button light shows the current status as follows:

  Off: Both features are not set.
  Red on: DND mode
  Flashing red: FWD mode
  } This setting can be changed by System Programming.

- This feature also works for an incoming call from a doorphone.

4.1 Customising Your Phone (Station Programming)
- 4.1.2 Customising the Buttons
  Create or re-arrange an FWD/DND button.

4.3 Customising Your System (User Programming)
- 4.3.5 Flexible CO Button Assignment (005)

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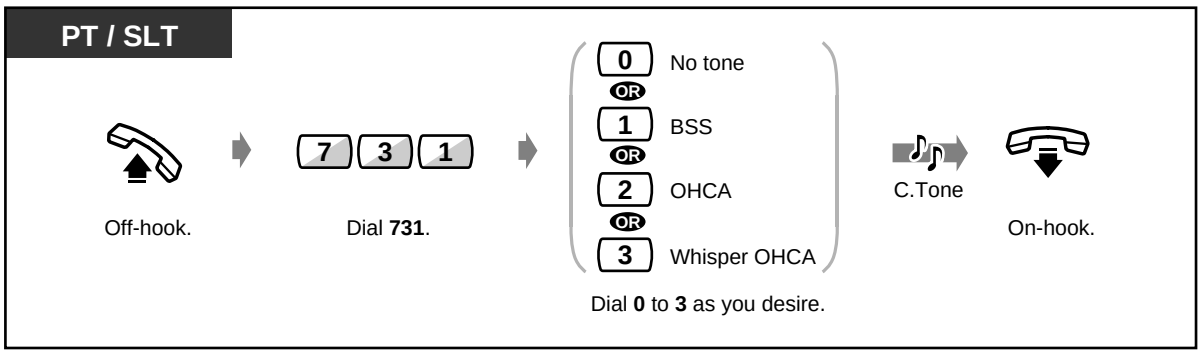
2.7.3 Receiving a Call Waiting (Call Waiting/Off-Hook Call Announcement [OHCA]/Whisper OHCA)

During a conversation, you can be informed of a call waiting with a tone or voice announcement through your speaker or handset. (Default: No tone)

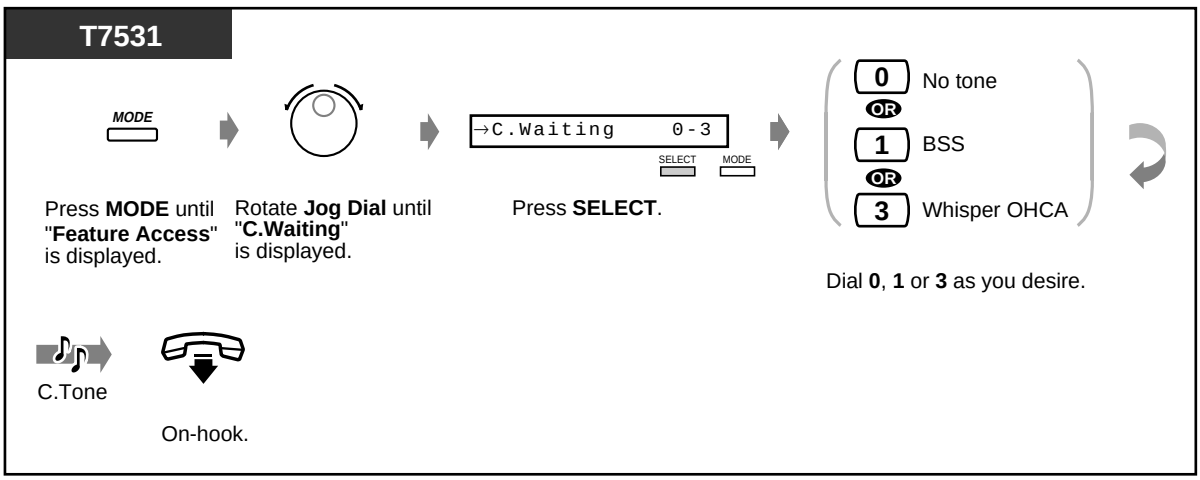
Call waiting tone:
a waiting tone through the handset.
You can change the tone. Please refer to "4.1 Customising Your Phone (Station Programming)."
OHCA:
a voice announcement through the telephone speaker after a confirmation tone.
(KX-T7536, KX-T7235 and KX-T7130 telephone users only)
Whisper OHCA:
a voice announcement through the handset after a confirmation tone.
(KX-T7500 series telephone users only)

◆ ***To set/cancel***

PT / SLT



T7531



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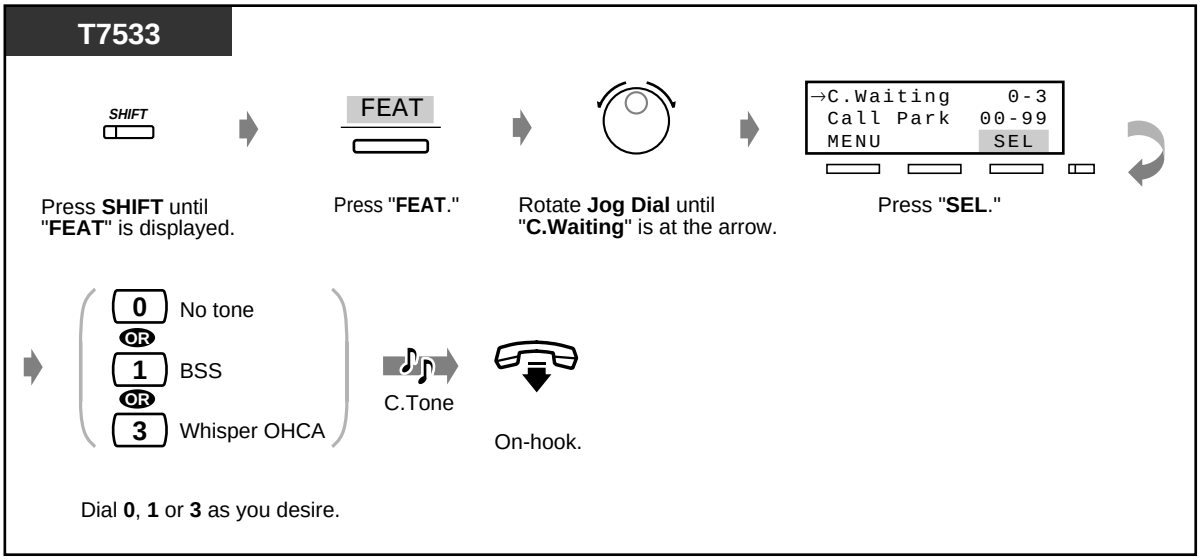
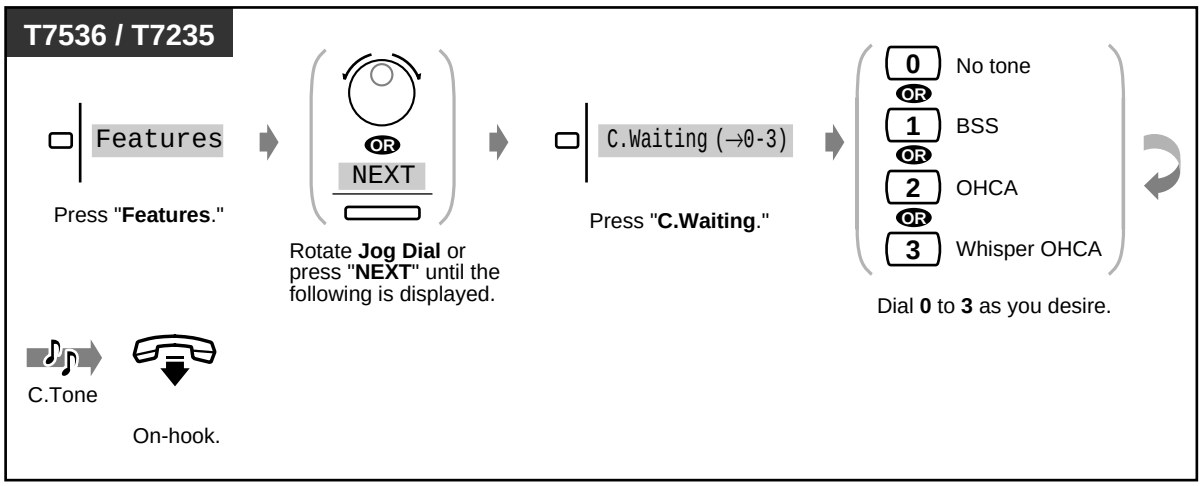
◆ *To set/cancel (contd.)*

T7533



T7536 / T7235



- BSS, OHCA and Whisper OHCA do not function at a DN type PT.

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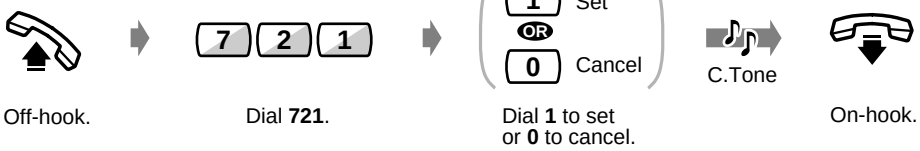
2.7.4 Denying the Paged Announcement (Paging—Deny)

You can refuse any paged announcement sent through your telephone speaker.

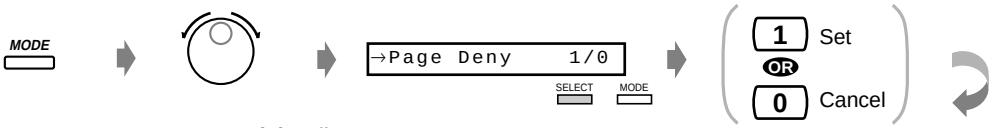
◆ ***To set/cancel***

PT



Off-hook. Dial **721**. Dial **1** to set or **0** to cancel. C.Tone. On-hook.

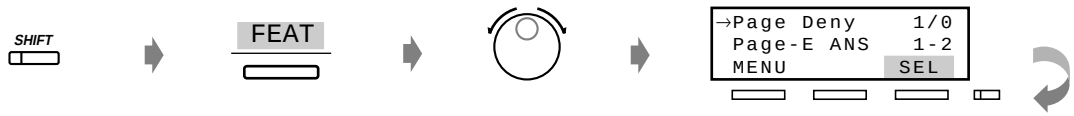
T7531



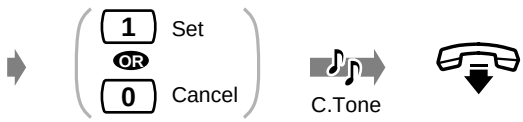
Press **MODE** until "**Feature Access**" is displayed. Rotate **Jog Dial** until "**Page Deny**" is displayed. Press **SELECT**. Dial **1** to set or **0** to cancel.

C.Tone. On-hook.

T7533



Press **SHIFT** until "**FEAT**" is displayed. Press "**FEAT**." Rotate **Jog Dial** until "**Page Deny**" is at the arrow. Press "**SEL**."



Dial **1** to set or **0** to cancel. On-hook.

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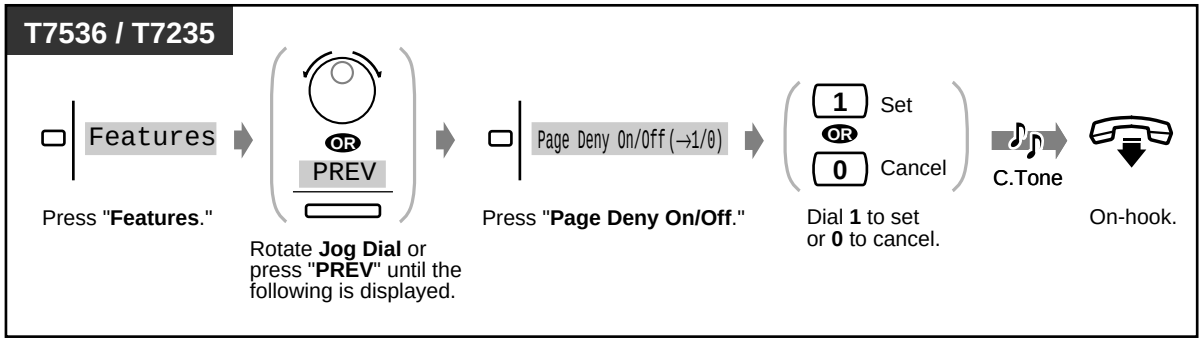
◆ ***To set/cancel (contd.)***



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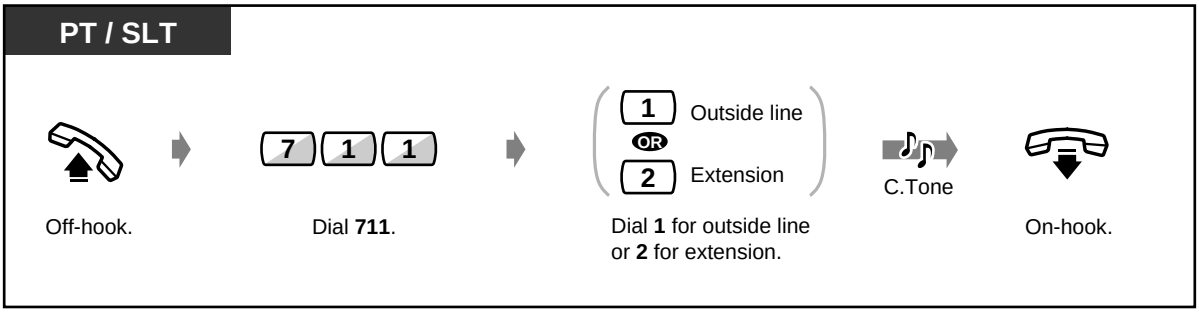
2.7.5 Displaying Your Number on the Called Party and Calling Party's Telephone (Calling/Connected Line Identification Presentation [CLIP/COLP])

CLIP: When making a call, you can let the other party see your pre-assigned identification number.
COLP: When receiving a call, you can let the party calling you see your pre-assigned identification number.
You can select to show an identification number assigned for an outside line or your extension. This is one of the ISDN supplementary services.

◆ ***To show an identification number assigned for an outside line or your extension***



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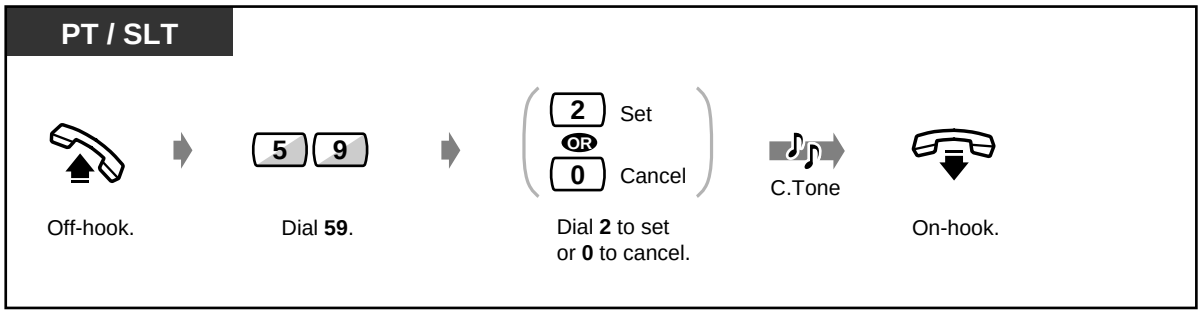
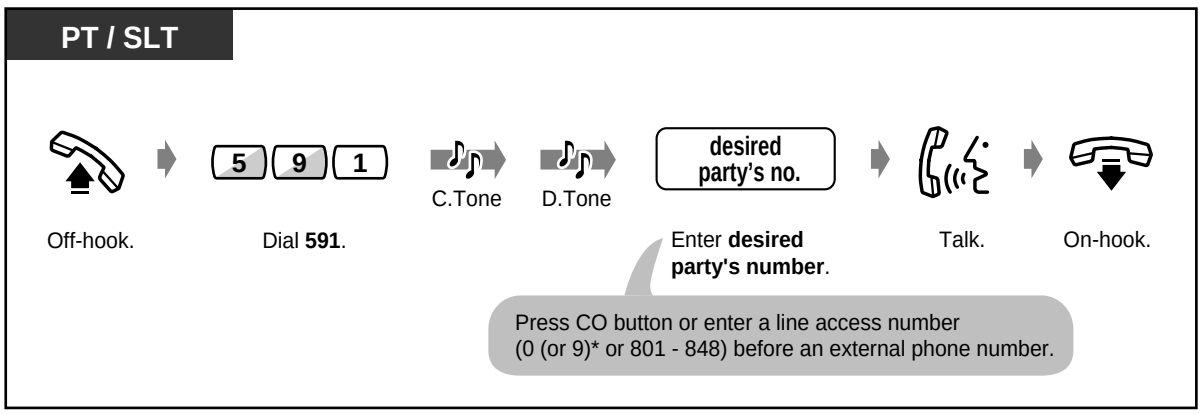
2.7.6 Preventing Your Number Being Displayed on the Called Party's Telephone (Calling Line Identification Restriction [CLIR])

When making a call, you can prevent the other party from seeing your identification number. You can change the setting at any time for a particular call. This is one of the ISDN supplementary services.

◆ ***To set/cancel***



◆ ***To change the setting at any time for a particular call***



*) 0: [SA], 9: Others

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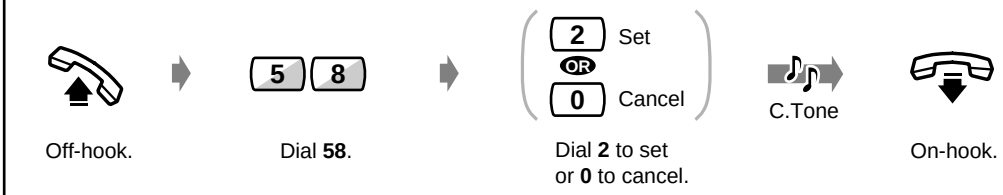
2.7.7 Preventing Your Number Being Displayed on the Called Party's Telephone (Connected Line Identification Restriction [COLR])

When receiving a call, you can prevent the caller from seeing your identification number. This is one of the ISDN supplementary services.

◆ ***To set/cancel***

PT / SLT



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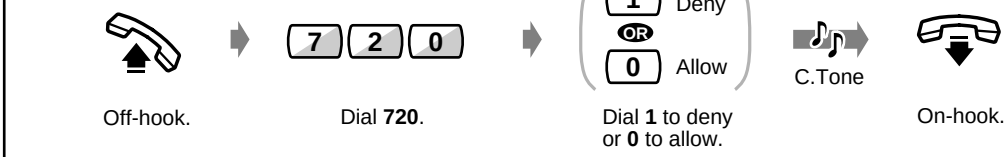
2.7.8 Denying Other People the Possibility of Picking up Your Calls (Call Pickup Deny)

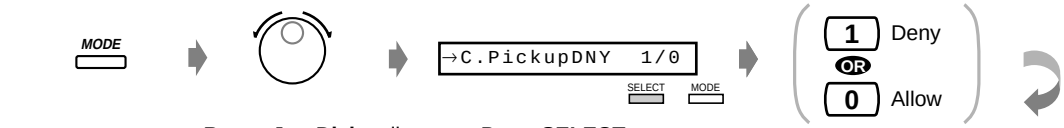
You can prevent other extension users from picking up your calls with the "Call Pickup" feature.

PT / SLT



Off-hook. Dial **720**. Dial **1** to deny or **0** to allow. C.Tone. On-hook.

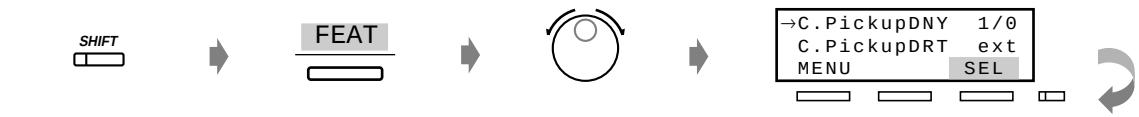
T7531



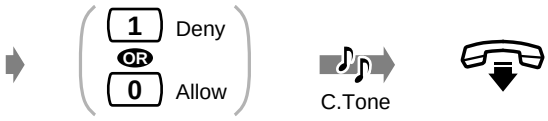
Press **MODE** until "**Feature Access**" is displayed. Rotate **Jog Dial** until "**C.PickupDNY**" is displayed. Press **SELECT**. Dial **1** to deny or **0** to allow.

On-hook.

T7533



Press **SHIFT** until "**FEAT**" is displayed. Press "**FEAT**." Rotate **Jog Dial** until "**C.PickupDNY**" is at the arrow. Press "**SEL**."



Dial **1** to deny or **0** to allow. On-hook.

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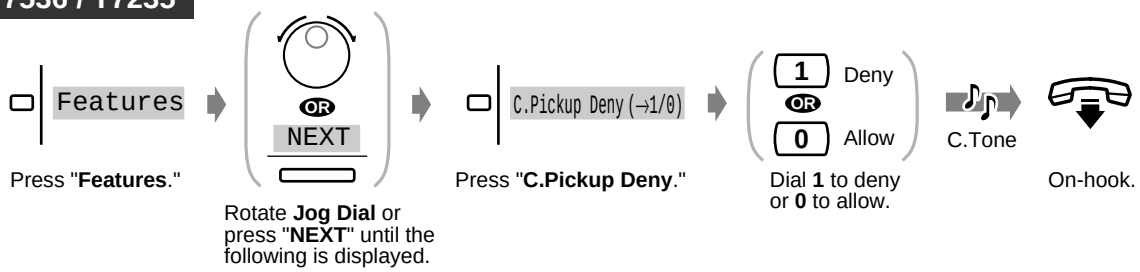
T7536 / T7235



Press "**Features**."

Rotate **Jog Dial** or press "**NEXT**" until the following is displayed.

Press "**C.Pickup Deny**."

Dial **1** to deny or **0** to allow.

On-hook.

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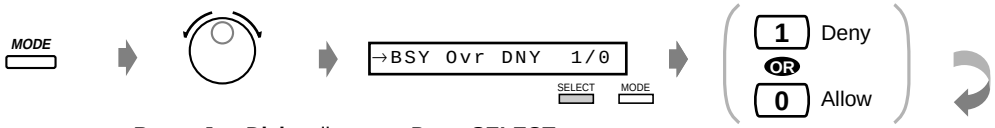
2.7.9 Denying Other People the Possibility of Joining Your Conversation (Executive Busy Override Deny)

You can deny other extension users the possibility of intruding your established call.

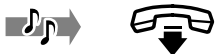
PT / SLT

Off-hook. Dial **733**. Dial **1** to deny or **0** to allow. C.Tone. On-hook.

T7531

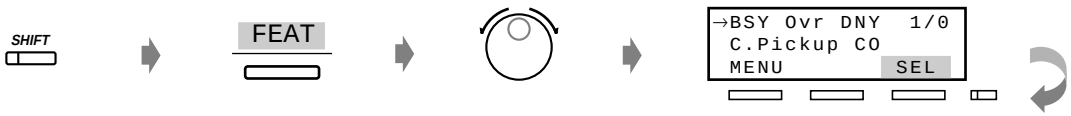


Press **MODE** until "**Feature Access**" is displayed. Rotate **Jog Dial** until "**BSY Ovr DNY**" is displayed. Press **SELECT**. Dial **1** to deny or **0** to allow.

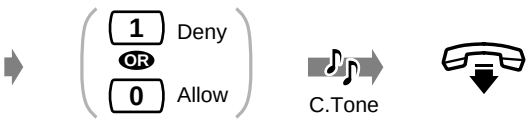


C.Tone. On-hook.

T7533



Press "**SHIFT** until "**FEAT**" is displayed. Press "**FEAT**." Rotate **Jog Dial** until "**BSY Ovr DNY**" is at the arrow. Press "**SEL**."



Dial **1** to deny or **0** to allow. C.Tone. On-hook.

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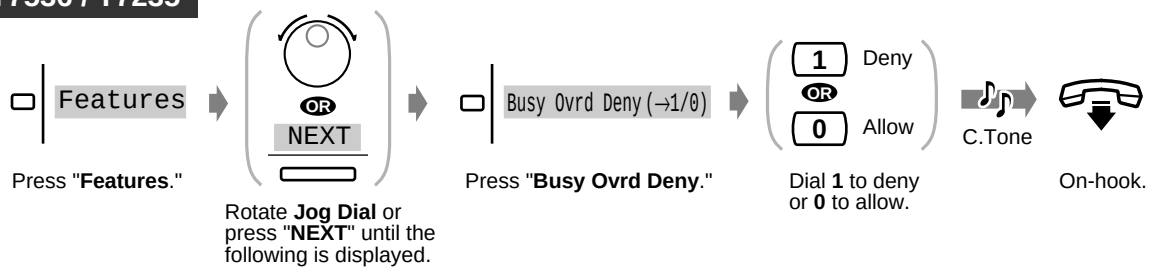
T7536 / T7235



Press "**Features**."

Rotate **Jog Dial** or press "**NEXT**" until the following is displayed.

Press "**Busy Ovrd Deny**."

Dial **1** to deny or **0** to allow.

On-hook.

- Only a pre-programmed extension can execute this feature.

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2.7.10 Turning on the Background Music (BGM)

You can listen to background music through your telephone speaker while on-hook. To utilise this feature, an external music source, such as a radio, must be connected to the system beforehand.

◆ To set/cancel

PT

While on-hook

BGM

OR

HOLD TRANSFER

or (or 1)

Press "**BGM**" or press **HOLD** or **TRANSFER** (or dial **1**).*

*) HOLD or TRANSFER: [SA], 1: Others

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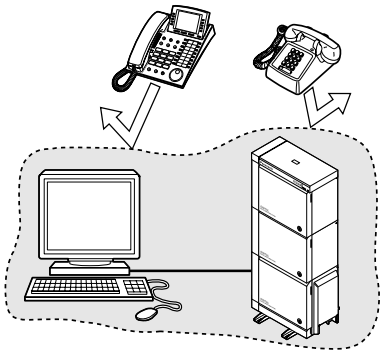
2.7.11 Protecting Your Line against Indication Tones (Data Line Security)

You can protect the line against indication tones, such as call waiting tone or interruptions **(Executive Busy Override)**. Set this feature if your extension is connected to a data communication device, such as a personal computer or facsimile, to secure data transmission.

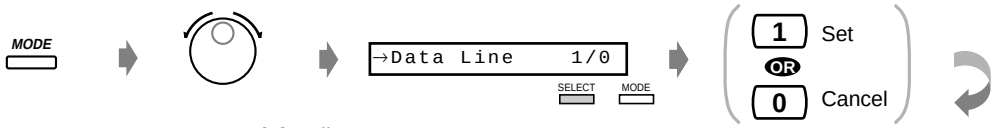


◆ ***To set/cancel***

PT / SLT

Off-hook. Dial **730**. Dial **1** to set or **0** to cancel. On-hook.

T7531



Press **MODE** until "**Feature Access**" is displayed. Rotate **Jog Dial** until "**Data Line**" is displayed. Press **SELECT**. Dial **1** to set or **0** to cancel.

On-hook.

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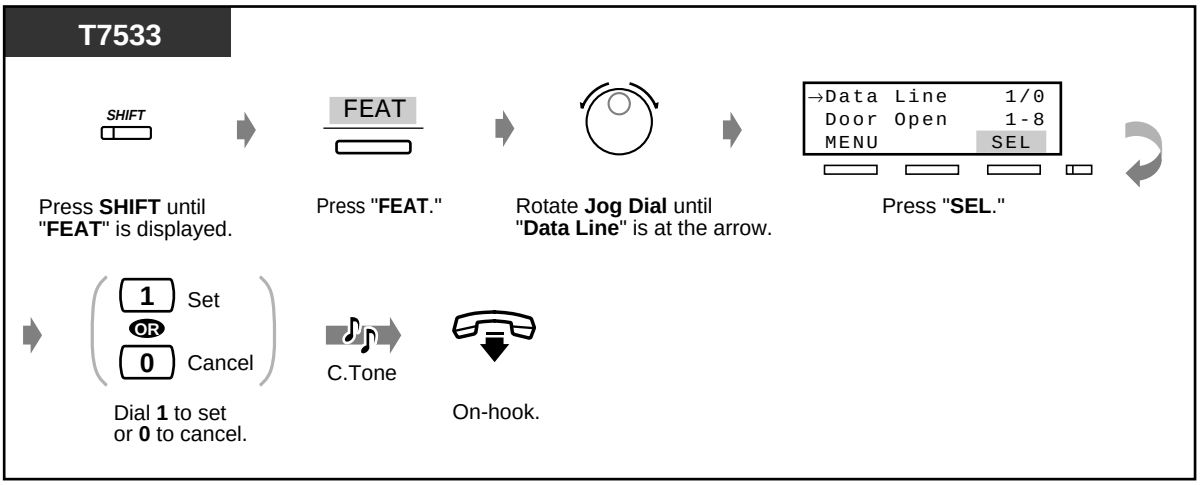
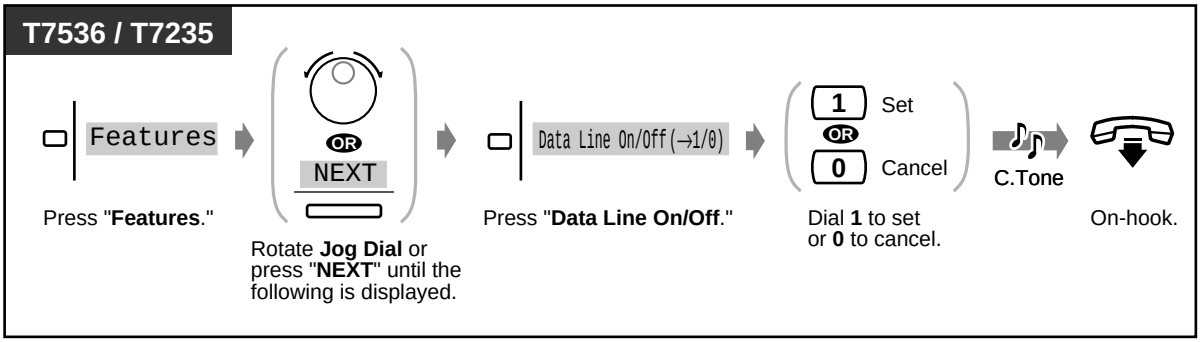
◆ *To set/cancel (contd.)*

T7533



T7536 / T7235



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2.7.12 Checking the Day/Night Service Status

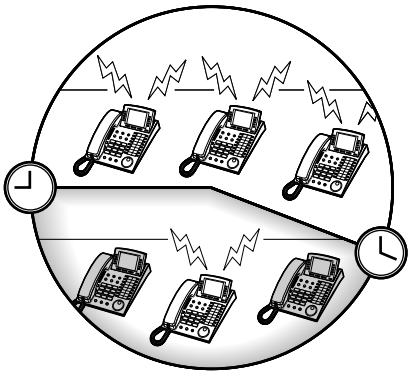
You can check the current system operation mode, day time (business hours) or night (after business hours).

Display PT

While on-hook

#

Dial #.



- Any Display PT user can check the status.

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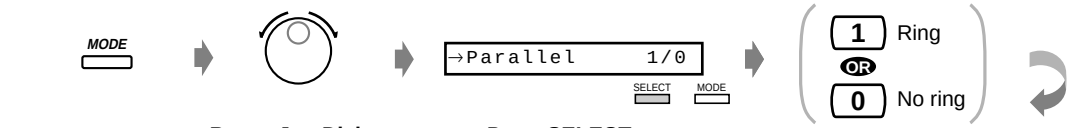
2.7.13 Setting the Parallel Connected Telephone Ringer (Parallelled Telephone Connection)

A Proprietary Telephone user can choose whether the Single Line Telephone connected in parallel will ring or not, when an incoming call is received. (Default: No ring)

PT

Off-hook. Dial **39**. Dial **1** to ring or **0** to no ring. C.Tone. On-hook.

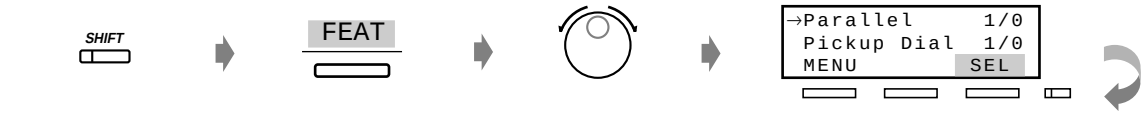
T7531



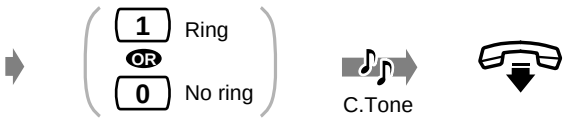
Press **MODE** until "**Feature Access**" is displayed. Rotate **Jog Dial** until "**Parallel**" is displayed. Press **SELECT**. Dial **1** to ring or **0** to no ring.

On-hook.

T7533



Press **SHIFT** until "**FEAT**" is displayed. Press "**FEAT**." Rotate **Jog Dial** until "**Parallel**" is at the arrow. Press "**SEL**."



Dial **1** to ring or **0** to no ring. On-hook.

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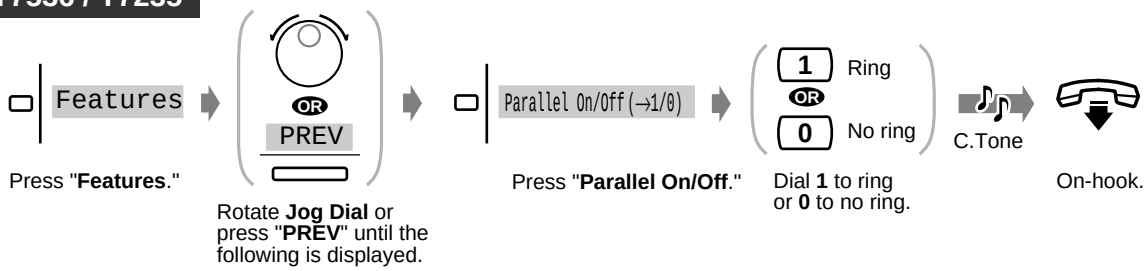
T7536 / T7235



Press "**Features**."

Rotate **Jog Dial** or press "**PREV**" until the following is displayed.

Press "**Parallel On/Off**."

Dial **1** to ring or **0** to no ring.

On-hook.

- **Even if "No ring" is selected,** the call can be answered with the Single Line Telephone by lifting the handset.
- In the DPT + SLT combination, if one telephone goes off-hook while the other telephone is on a call, the call is switched to the former.

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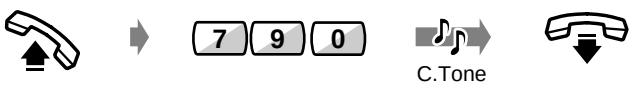
2.7.14 Clearing the Feature Settings at Your Extension (Station Programme Clear)

You can clear the following features which have been set on your phone. If you change desks, and notice settings which a previous owner left on the line, you can clear these features.

- Calling to a Pre-set Party by Going Off-Hook **(Pickup Dialling)**: The stored number will be cleared.
- Reserving a Busy Line **(Automatic Callback Busy)**
- Leaving a Message Waiting Indication **(Message Waiting)**: All messages will be removed.
- Forwarding Your Calls **(Call Forwarding)**
- Showing an Absent Message on the Caller's Telephone Display **(Absent Message Capability)**
- Leaving a Group **(Log-In/Log-Out)**
- Calling Using the Call Log **(Incoming Call Log)**
- Setting the Alarm **(Timed Reminder)**
- Refusing Incoming Calls **(Do Not Disturb [DND])**
- Receiving a Call Waiting **(Call Waiting/Off-Hook Call Announcement [OHCA]/Whisper OHCA)**
- Denying the Paged Announcement **(Paging—Deny)**
- Denying Other People the Possibility of Picking up Your Calls **(Call Pickup Deny)**
- Denying Other People the Possibility of Joining Your Conversation **(Executive Busy Override Deny)**
- Turning on the Background Music **(BGM)**
- Protecting Your Line against Indication Tones **(Data Line Security)**
- Setting the Parallel Connected Telephone Ringer **(Parallelled Telephone Connection)**: The Single Line Telephone will not ring.
- Using the same Extension Number and the Setting of Your Previous Extension **(Walking Station)**

PT / SLT



Off-hook. Dial **790**. On-hook.

T7531

Press **MODE** until "**Feature Access**" is displayed. Rotate **Jog Dial** until "**STA Prog Clear**" is displayed. Press **SELECT**. On-hook.

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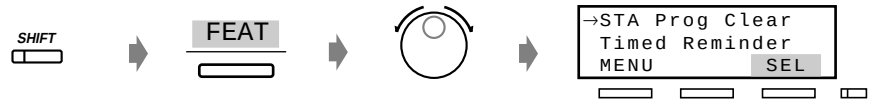
T7533



Press **SHIFT** until "**FEAT**" is displayed.

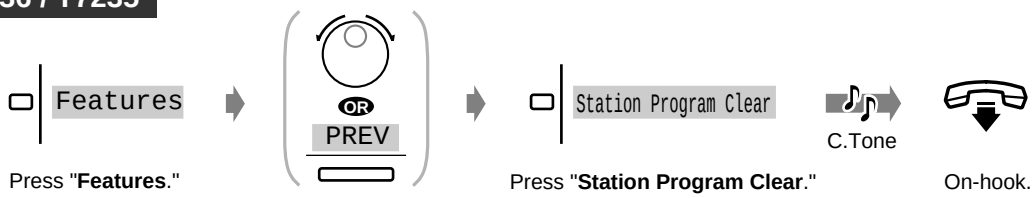
Press "**FEAT**."

Rotate **Jog Dial** until "**STA Prog Clear**" is at the arrow.

Press "**SEL**."

On-hook.

T7536 / T7235



Press "**Features**."

Rotate **Jog Dial** or press "**PREV**" until the following is displayed.

Press "**Station Program Clear**."

On-hook.

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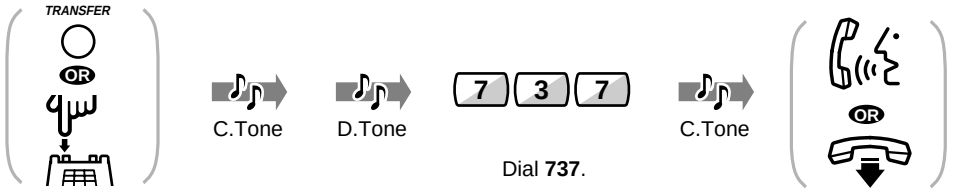
2.7.15 Identifying Malicious Callers (Malicious Call Identification [MCID])

You can ask your telephone company to trace a malicious caller during a conversation or after the caller hangs up.
You will receive information on the malicious call later on.

◆ ***To request MCID***

PT / SLT

During a conversation or within 10 seconds after the caller hangs up



Press **TRANSFER** or **switchhook**.

Dial **737**.

Talk or on-hook.

- A special arrangement with the ISDN carrier is required to utilise the MCID service. Consult your dealer for further information.
- The KX-TD500 System is designed and manufactured in accordance with the following ETS (European Telecommunication Standard) specifications:
  ETS 300 130 Malicious Call Identification (MCID) supplementary service
- The MCID service is only available for calls using an ISDN line. Not available during a conference call.
- After dialling 737, if you hear a reorder tone or do not hear any tone, your request is not accepted. **To request MCID again**, press the TRANSFER button <PT>; or press the switchhook lightly <SLT>; and then dial 737 again. If the caller hangs up, you must try again within 10 seconds.
- This service is also available for the ISDN extension users.
  Please refer to the instruction manual of your ISDN extension for further information about operation.

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2.8 Using User-supplied Equipment

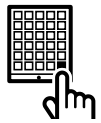
2.8.1 If a Doorphone/Door Opener is Connected

— Doorphone call — Opening the door

Doorphone call

To call from the doorphone

Doorphone



Press **doorphone** button.

To call the doorphone

PT / SLT

Off-hook.

Dial **31**.

Enter **doorphone number** (1-8).

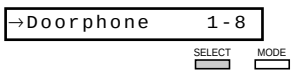
C.Tone

Talk.

T7531

Press **MODE** until "**Feature Access**" is displayed.

Rotate **Jog Dial** until "**Doorphone**" is displayed.



Press **SELECT**.

Enter **doorphone number** (1-8).

C.Tone

Talk.

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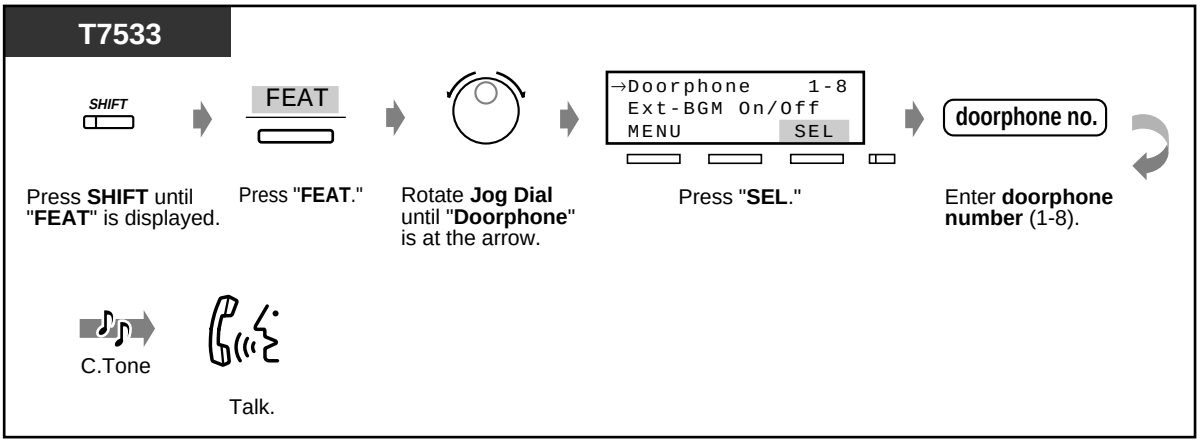
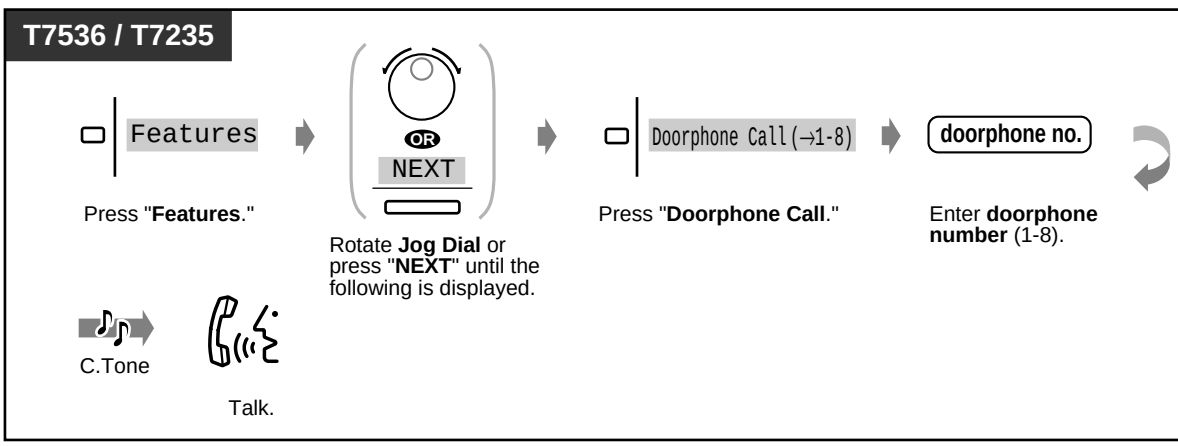
◆ *To call the doorphone (contd.)*

T7533



T7536 / T7235

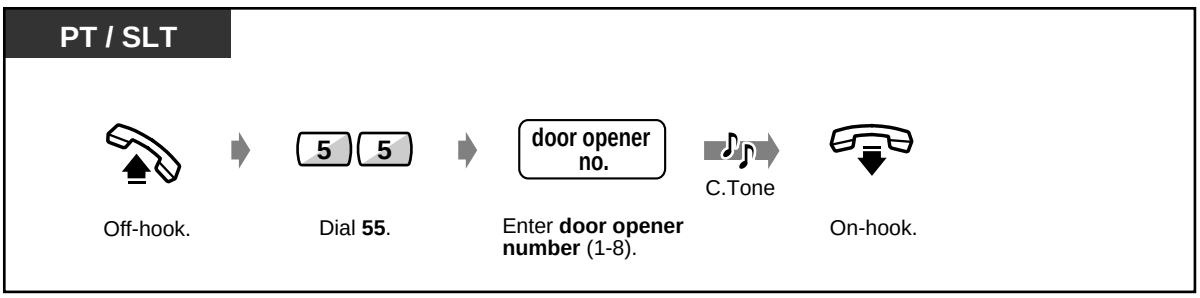


◆◆ *Opening the door*

You can unlock the door opener to let the visitor in.
Some extensions may be restricted from performing this function by System Programming.

◆ *From a specified extension*

PT / SLT



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◆ ***From a specified extension (contd.)***

T7531

Press **MODE** until "**Feature Access**" is displayed.

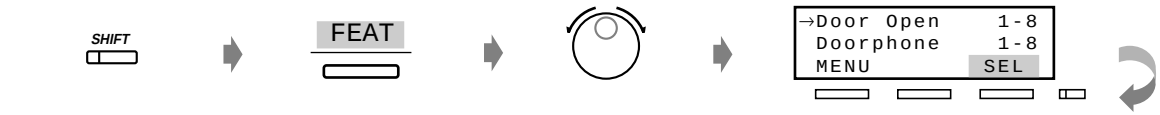
Rotate **Jog Dial** until "**Door Open**" is displayed.

Press **SELECT**.

Enter **door opener number** (1-8).

On-hook.

T7533

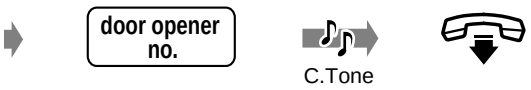


Press **SHIFT** until "**FEAT**" is displayed.

Press "**FEAT**."

Rotate **Jog Dial** until "**Door Open**" is at the arrow.

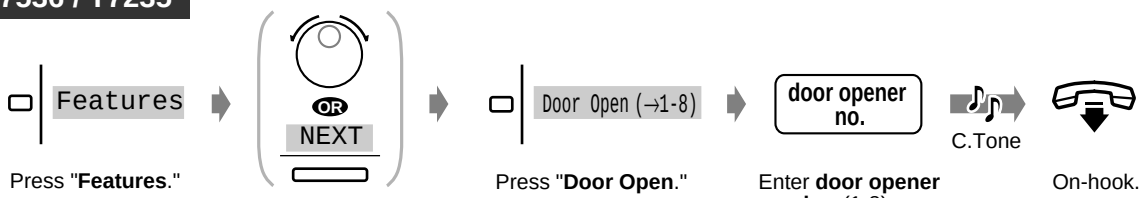
Press "**SEL**."



Enter **door opener number** (1-8).

On-hook.

T7536 / T7235



Press "**Features**."

Rotate **Jog Dial** or press "**NEXT**" until the following is displayed.

Press "**Door Open**."

Enter **door opener number** (1-8).

On-hook.

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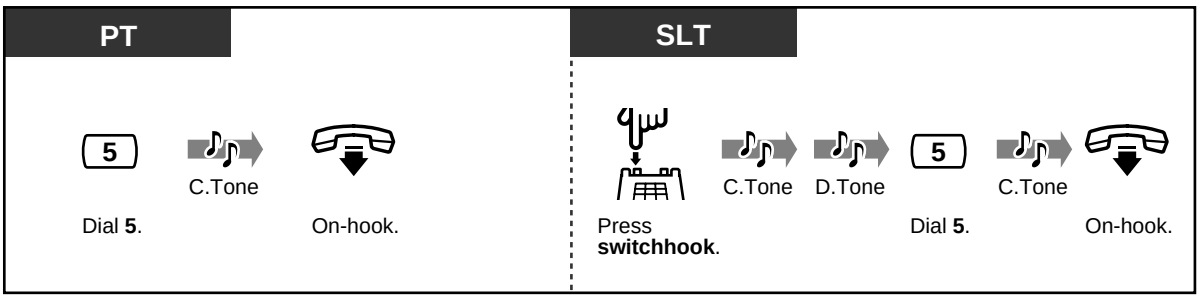
◆ ***From any extension while talking to the doorphone***



- The door will be left open for five seconds (default). This setting can be changed by System Programming.
- **To keep the door open for another five seconds**, dial 5 again using a Panasonic Proprietary Telephone.
- **If no one answers the doorphone call within 30 seconds**, the call is cancelled.

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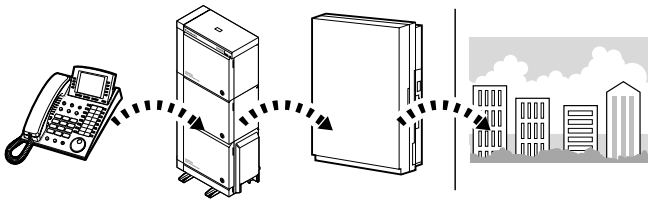
2.8.2 If a Host PBX is Connected

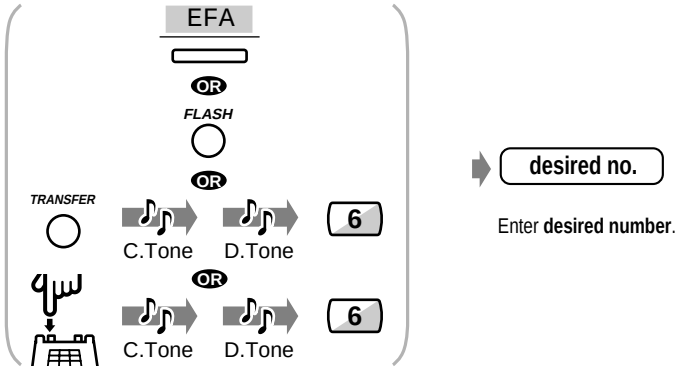
Accessing external services (External Feature Access)

You can access special features (e.g., Call Waiting) offered by a host PBX or Central Office. This feature is only effective with an outside call.



PT / SLT

During a conversation or with an outside party



Press "**EFA**" or **FLASH**.
Or, press **TRANSFER** or **switchhook** and dial **6**.

Enter **desired number**.

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2.8.3 If a Voice Processing System is Connected

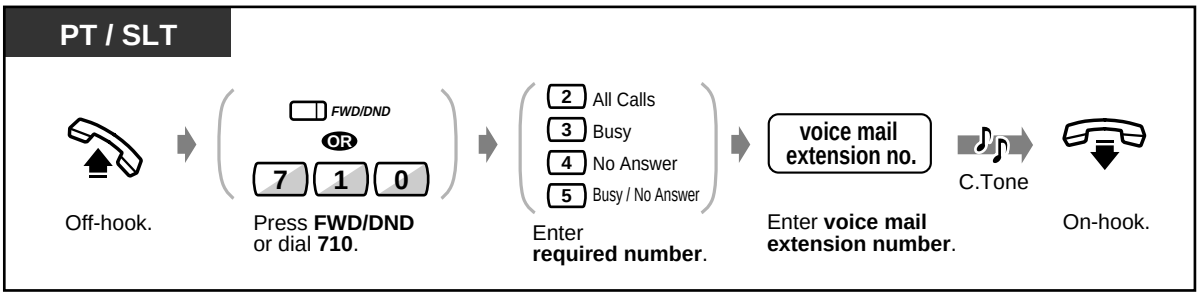
If your system is connected to a Panasonic Voice Processing System (VPS) (e.g., KX-TVP100) which can be used with a Digital Proprietary Telephone, the following functions are available:

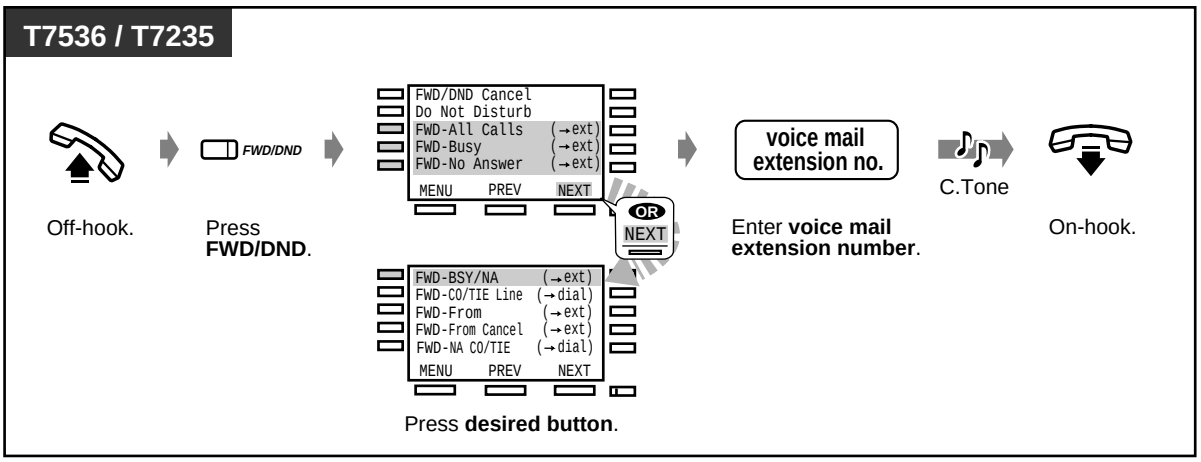
— VPS Integration
— Screening calls
— Recording a conversation

VPS Integration

If you cannot answer calls, you can forward them to your mailbox. If your telephone has a MESSAGE button, the button light turns on and lets you know you have messages. Even if a MESSAGE button is not provided, you will hear an indication tone* when going off-hook.
You can also transfer received outside calls to a certain mailbox so that callers can leave messages. If you create a Voice Mail Transfer button on your phone, the transfer is done easily without confirming the voice mail extension number **(Voice Mail Transfer)**.

To forward your calls to a mailbox





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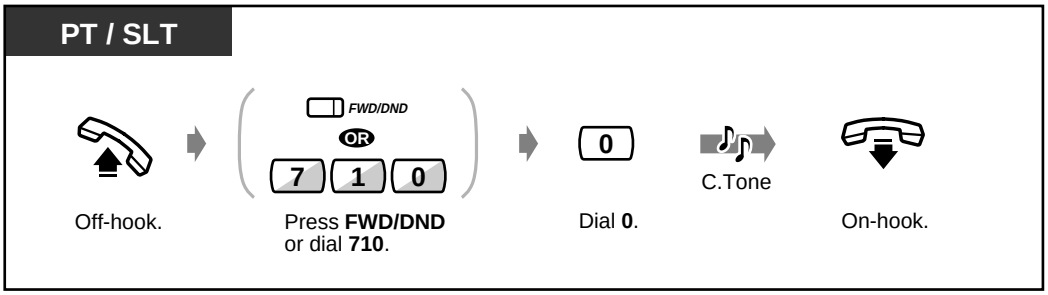
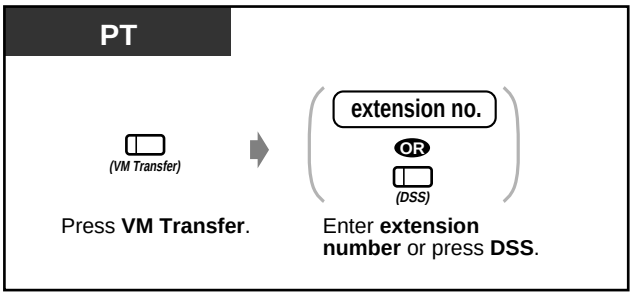
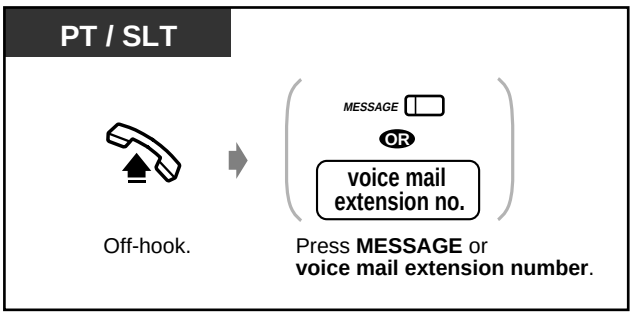
◆ *To cancel*



◆ *To transfer calls*



◆ *To listen to a stored message*



*Dial tone 4

4.1 Customising Your Phone (Station Programming)
- 4.1.2 Customising the Buttons
  Create or re-arrange a Message button and Voice Mail (VM) Transfer button.

4.3 Customising Your System (User Programming)
- 4.3.5 Flexible CO Button Assignment (005)

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Screening calls (Live Call Screening [LCS])

While a caller is leaving a message in your mailbox, you can monitor the call. If desired, you can answer the call while monitoring. There are two methods available (Default: Hands-free mode). In both modes, if you are currently having a conversation, you will hear a call waiting tone.

Hands-free mode:
You can monitor the message automatically through the telephone speaker at the same time.

Private mode:
You will hear an alert tone while the caller is leaving a message.

Before operating

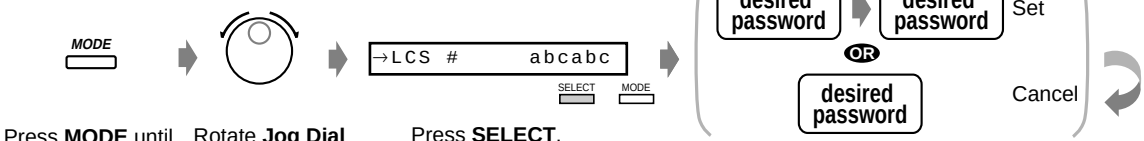
- Create a Live Call Screening (LCS) button (Station/User/System Programming).
- Select the mode, either Hands-free or Private (Station/System Programming).
- Set the Password.
- Set the Live Call Screening feature.

◆ *To set/cancel the password*

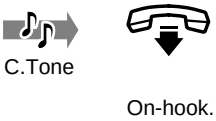
PT

Off-hook. Dial **799**. Enter **desired password** (3 digits) twice to set or once to cancel. On-hook.

T7531



Press **MODE** until "**Feature Access**" is displayed. Rotate **Jog Dial** until "**LCS #**" is displayed. Press **SELECT**. Enter **desired password** (3 digits) twice to set or once to cancel.



On-hook.

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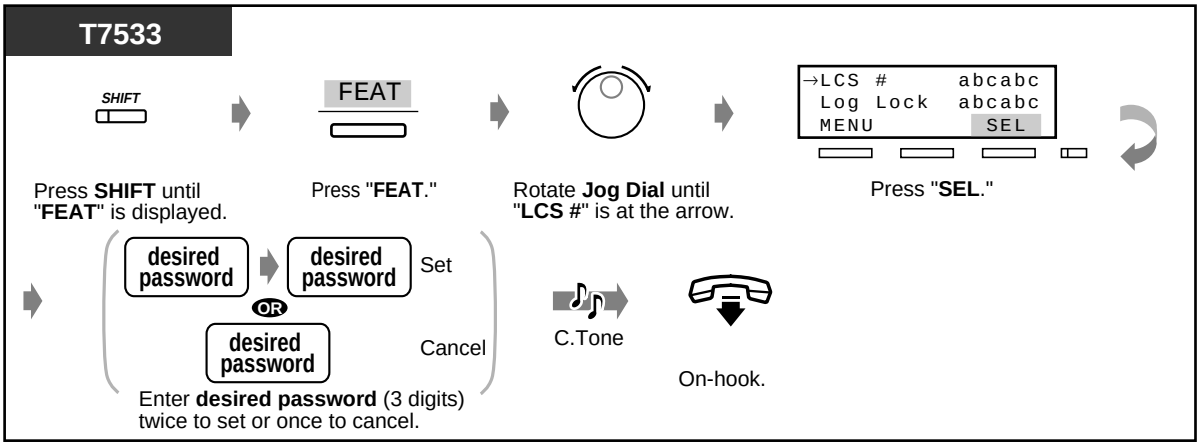
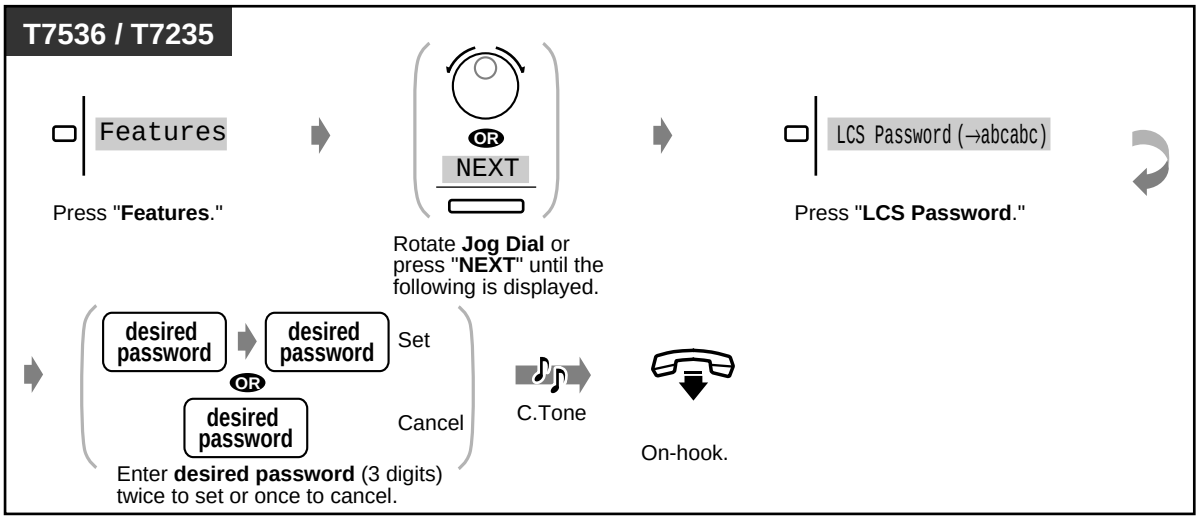
◆ *To set/cancel the password (contd.)*

T7533

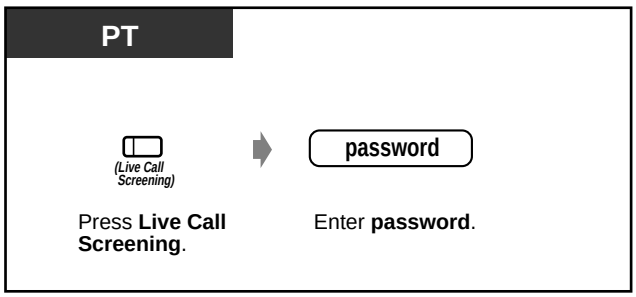


T7536 / T7235



◆ *To set Live Call Screening*

PT



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◆ *To cancel Live Call Screening*

PT

Press **Live Call Screening**.

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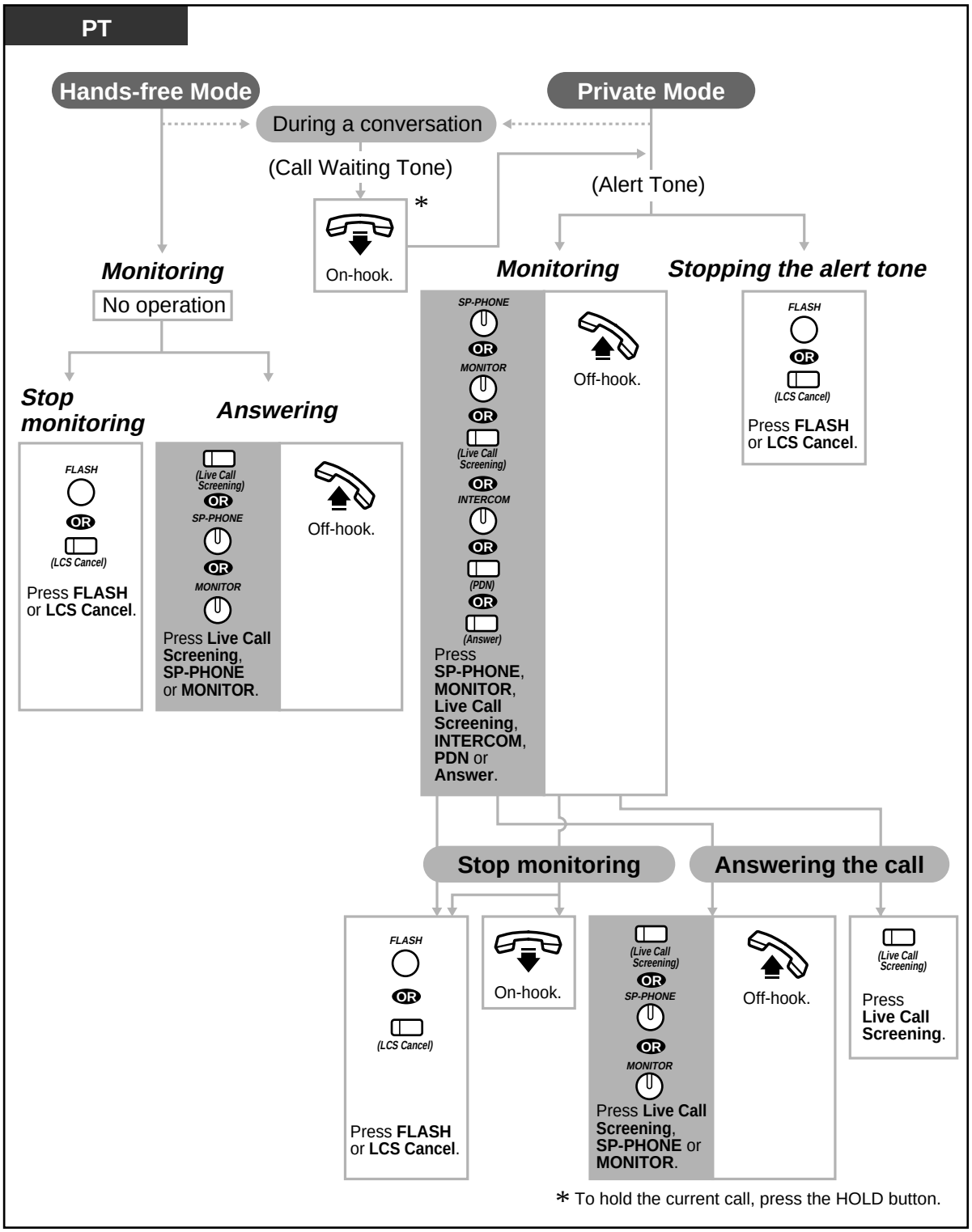
Operation Flowchart

The operations in the shaded areas can be hands-free operations.



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- The Live Call Screening (LCS) button light shows the feature status as follows:
  Red on: LCS is on.
  Off: LCS is off.
  Flashing green rapidly: Alert ringing in the Private mode*
  Flashing green slowly: Live Call Screening is in use.*
  * The DSS button light turns red while Live Call Screening is in use.
- The Operators and the Manager can clear a password at any extension.

4.1 Customising Your Phone (Station Programming)

- 4.1.1 Initial Settings—**Live Call Screening Mode Set**
  Select the mode, either monitoring the message automatically or receiving alert ringing, when the caller leaves a message.
- 4.1.2 Customising the Buttons
  Create or re-arrange a Live Call Screening button and an LCS Cancel button.

4.3 Customising Your System (User Programming)

- 4.3.5 Flexible CO Button Assignment (005)

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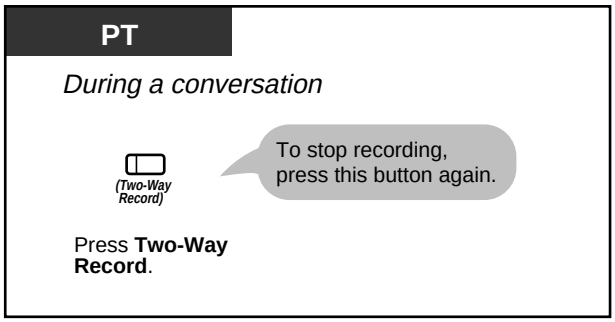
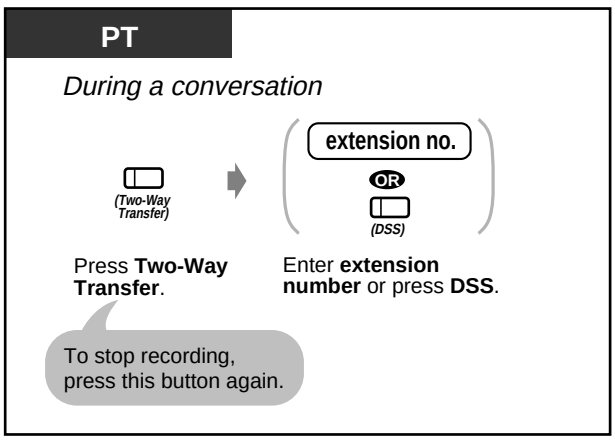
Recording a conversation (Two-Way Recording)

You can record a conversation into a mailbox while talking on the phone.

◆ *To record into your mailbox*



◆ *To record into another mailbox*



- The Two-Way Record button light shows the current status as follows:
  On: Recording the conversation.
  Off: Not recording.

- When you record Two-Way telephone conversations, you should inform the other party that the conversation is being recorded.

4.1 Customising Your Phone (Station Programming)
- 4.1.2 Customising the Buttons
  Create or re-arrange a Two-Way Record button and a Two-Way Transfer button.

4.3 Customising Your System (User Programming)
- 4.3.5 Flexible CO Button Assignment (005)

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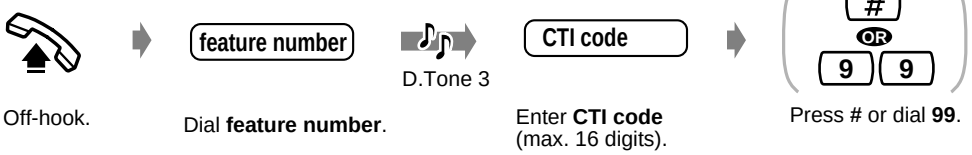
2.8.4 If CTI Service is Used

Using a CTI code (CTI Code Entry)

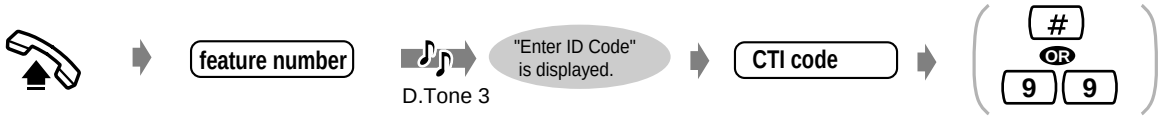
A CTI Code (max. 16 digits) can be sent from the KX-TD500 to the CTI application (such as Panasonic Call Centre Management Software, CMS). The code is interpreted by the application for suitable action. For example, in CMS, code 20 means the ACD agent wishes to take a break.
The feature number of CTI Code Entry is blank by default.
You must specify it by System Programming (Numbering Plan).

PT / SLT



Off-hook. Dial **feature number**. Enter **CTI code** (max. 16 digits). Press # or dial **99**.

Display PT



Off-hook. Dial **feature number**. Enter **CTI code** (max. 16 digits). Press # or dial **99**.

- The delimiter "99" is available for rotary type SLTs only.

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2.9 After Moving to a New Location in the Office

2.9.1 Using the Same Extension Number and the Setting of Your Previous Extension (Walking Station)

Used to move an extension to a new location in the office without re-programming.
Extension data such as extension number, One-Touch dialling memory remain the same after the re-location of the extension.
This feature is convenient if you don't want to change the current extension setting (extension number, etc.) after moving to a new location in the office.

◆ ***To start***

PT / SLT

Off-hook. Dial **7271**. On-hook.

◆ ***To end***

PT / SLT

Off-hook. Dial **7270**. Enter **source extension number**. On-hook.

- The telephone type (PT, SLT) must be the same at the previous location and a new location.
- Walking Station is not available in the following cases:
  — If the extension is connected to a DHLC card (KX-TD50170).
  — If the extension is connected to a HLC card (KX-T96170) in parallel.
  — If the extension is in hands-free mode.

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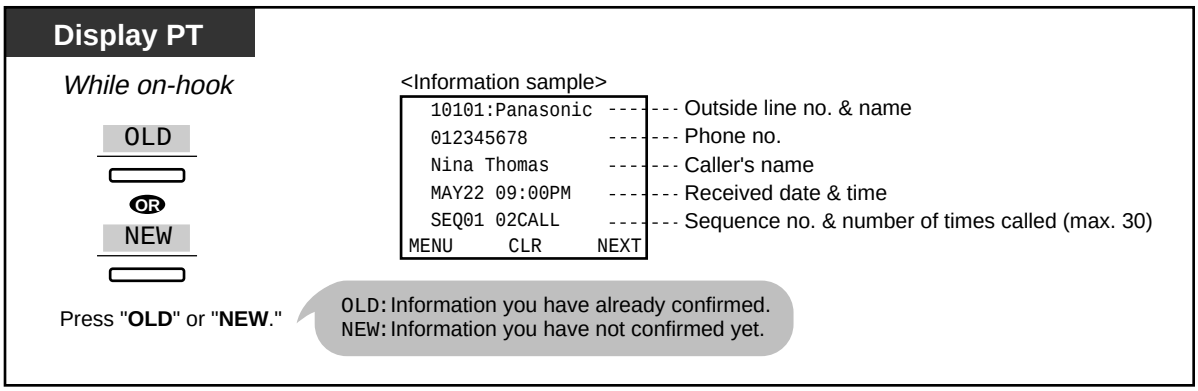
2.10 Using the Display Proprietary Telephone

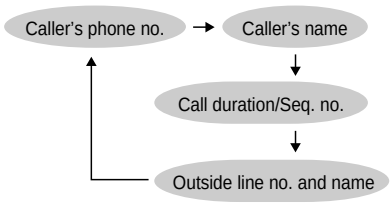
2.10.1 Calling Using the Call Log (Incoming Call Log) [KX-T7533, KX-T7536, KX-T7230, KX-T7235 only]

If you do not answer an outside call, the caller's information is recorded automatically in the call log. When the SHIFT button light turns on, there is a call in the call log. You can also store the caller's information in the call log during a conversation. (Please refer to "2.10.2 Recording a Call Log [KX-T7533, KX-T7536, KX-T7230, KX-T7235 only].")
Up to 30 calls can be logged per extension. You can select how the 31st call is treated; either a new call can be disregarded or a new call overwrites the oldest call. (Default: Overwrite)
You can modify and call back the logged numbers.

◆ ***To confirm***



- With the KX-T7533 and the KX-T7230, press the "INFO" button to scroll through information.



- To modify the phone no., press the "✳" key to erase and then enter the number. The number is modified from the first digit. The new number is programmed.
- After confirming, press the "MENU" button. You return to the initial display.

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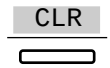
◆ *To clear the log*

Display PT



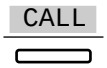
Press "**CLR**."

◆ *To call back*

Display PT

When the desired number is displayed

Off-hook.



Press "**CALL**."

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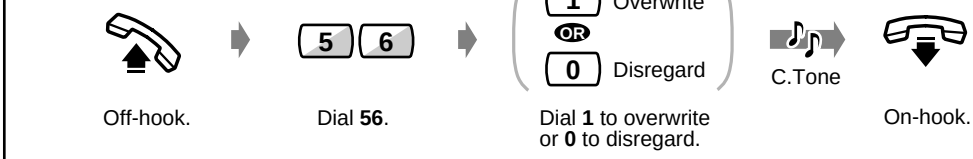
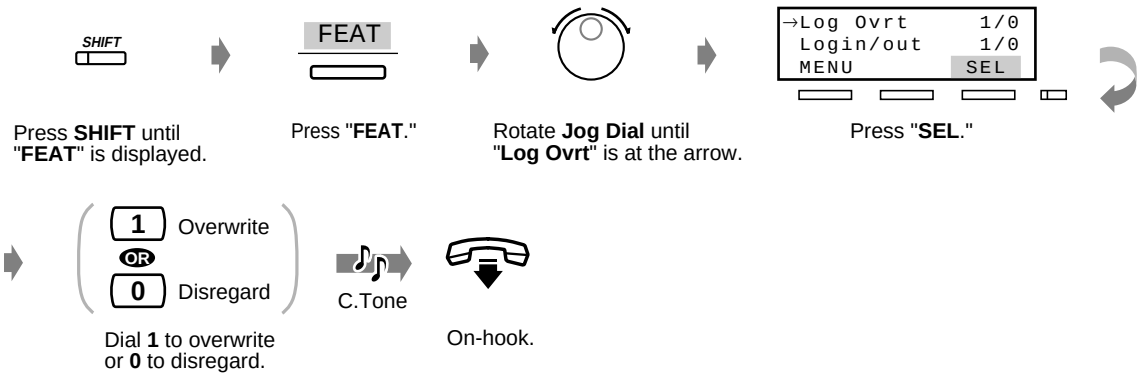
◆ *How to treat the 31st call*

Display PT



Off-hook. Dial **56**. Dial **1** to overwrite or **0** to disregard. C.Tone. On-hook.

T7533

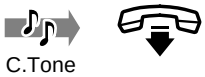


Press **SHIFT** until "**FEAT**" is displayed. Press "**FEAT**." Rotate **Jog Dial** until "**Log Ovrt**" is at the arrow. Press "**SEL**."

Dial **1** to overwrite or **0** to disregard. C.Tone. On-hook.

T7536 / T7235

Press "**Features**." Rotate **Jog Dial** or press "**NEXT**" until the following is displayed. Press "**Log Ovrt On/Off**." Dial **1** to overwrite or **0** to disregard.



On-hook.

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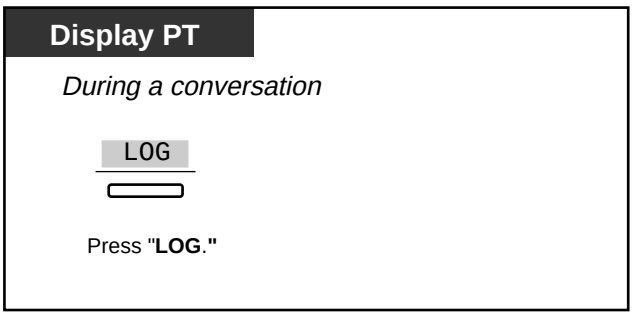
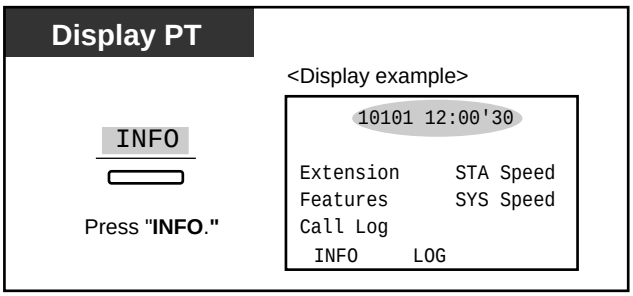
2.10.2 Recording a Call Log [KX-T7533, KX-T7536, KX-T7230, KX-T7235 only]

You can record the caller's information in the call log for the callback purpose. If you do not answer the call, the log is recorded automatically. You can see the call duration by pressing the "INFO" or FWD/DND button during the conversation.

◆ ***To record a call log***

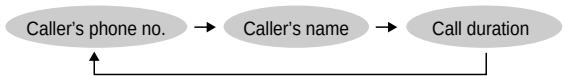


◆ ***To view the call duration****

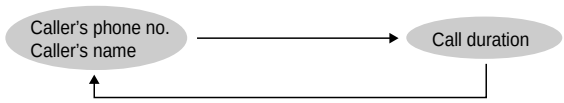


- * A KX-T7533 and a KX-T7230 users may change the displayed message as follows by pressing the "INFO" button.

<KX-T7230>



<KX-T7533>



- To return to the initial display, press the "MENU" button.

4.1 Customising Your Phone (Station Programming)
- 4.1.1 Initial Settings—**Initial Display Selection**
  Select the initial display as either the Caller ID screen (default) or the outside line name.

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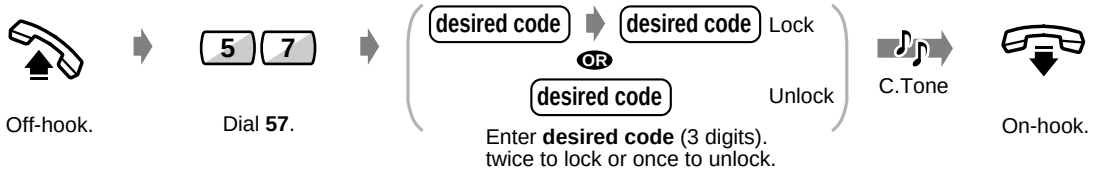
2.10.3 Denying Other People the Possibility of Seeing Your Call Log (Incoming Call Log Lock) [KX-T7533, KX-T7536, KX-T7230, KX-T7235 only]

You can lock the display of your extension so that "Call Log" of your extension is not shown on the display.

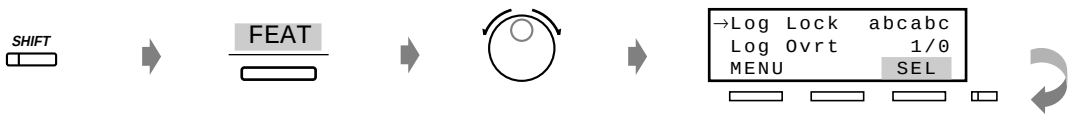
◆ ***To lock/unlock***

Display PT

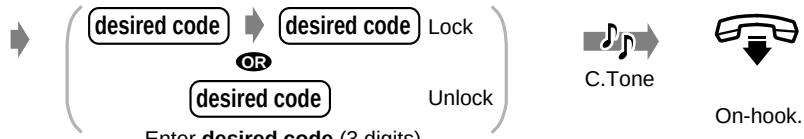


Off-hook. Dial **57**. Enter **desired code** (3 digits). twice to lock or once to unlock. C.Tone. On-hook.

T7533

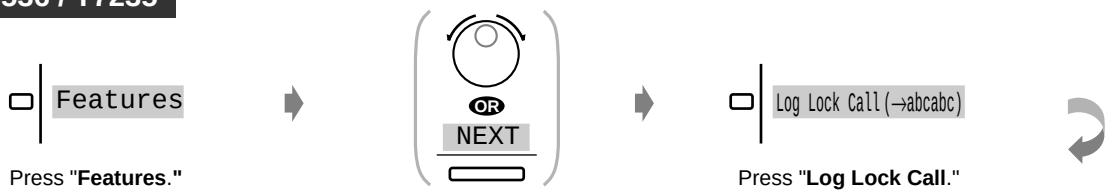


Press **SHIFT** until "**FEAT**" is displayed. Press "**FEAT**." Rotate **Jog Dial** until "**Log Lock**" is at the arrow. Press "**SEL**."

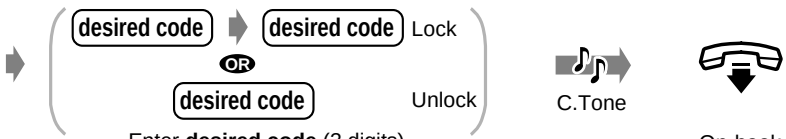


Enter **desired code** (3 digits). twice to lock or once to unlock. C.Tone. On-hook.

T7536 / T7235



Press "**Features**." Rotate **Jog Dial** or press "**NEXT**" until the following is displayed. Press "**Log Lock Call**."



Enter **desired code** (3 digits) twice to lock or once to unlock. C.Tone. On-hook.

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- **If you forget the code,** consult an Operator or the Manager. They can unlock the call log display of any extension **(Call Log Incoming, Log Lock)**.

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2.10.4 Using the KX-T7531, KX-T7533, KX-T7536 or KX-T7235

— Using the KX-T7531
— Using the KX-T7533
— Using the KX-T7536
— Using the KX-T7235
— Storing the names and numbers for station speed dialling
— Display feature list

Using the KX-T7531

A KX-T7531 Panasonic Proprietary Telephone with a 1-line display allows you to make calls and operate the features using the display message. You do not have to memorise the phone numbers or feature numbers.

Operation

1. Press the MODE button repeatedly to show the desired display.
2. Rotate the Jog Dial until the desired message is shown.
   (Please refer to "Display feature list" in "2.10.4 Using the KX-T7531, KX-T7533, KX-T7536 or KX-T7235" for the feature messages.)
3. Press the SELECT button to call the displayed party or to select the desired feature.
4. Enter parameters if required.

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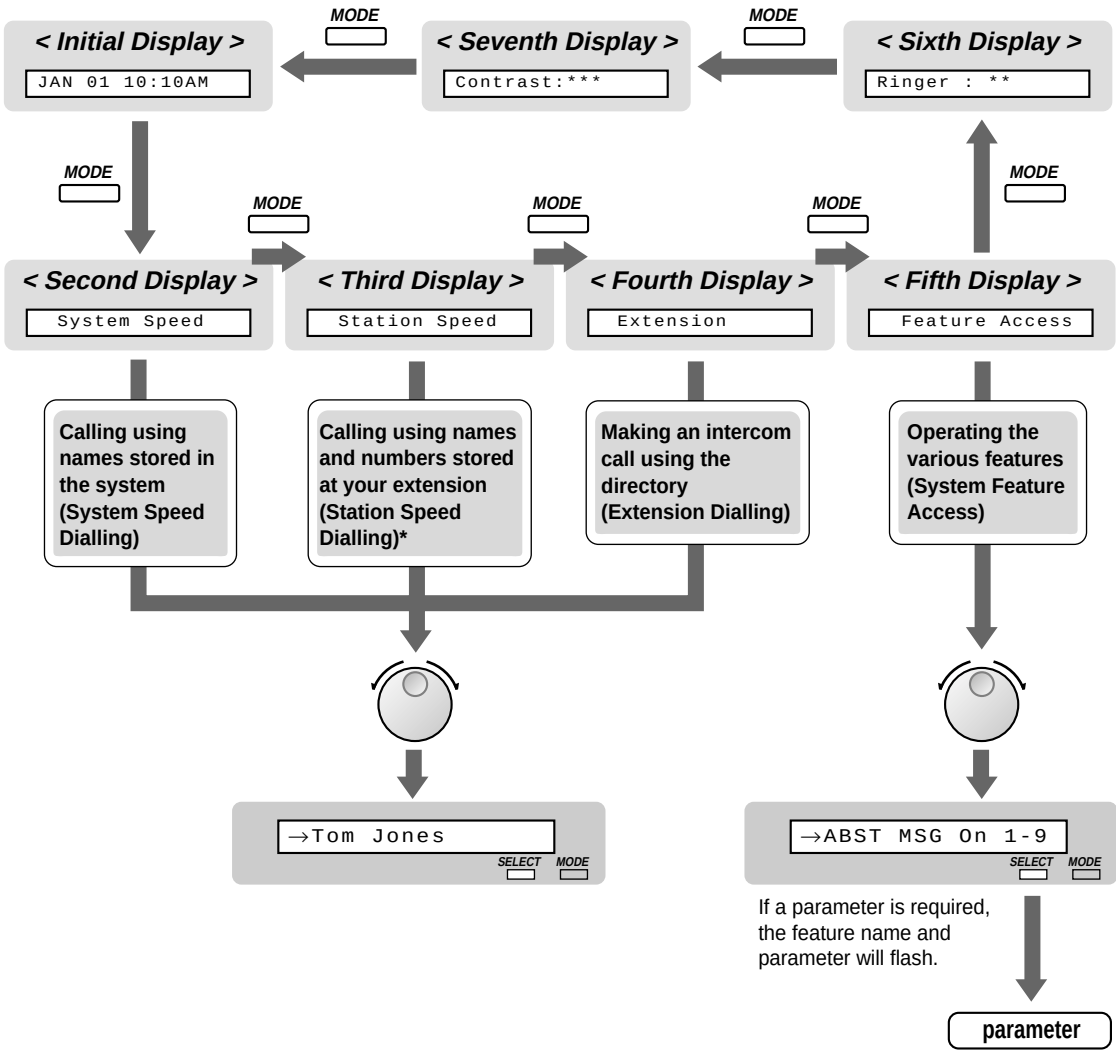

* The names and phone numbers should be stored beforehand. Please refer to "Storing the names and numbers for station speed dialling" in "2.10.4 Using the KX-T7531, KX-T7533, KX-T7536 or KX-T7235."

Using the KX-T7533

A KX-T7533 Panasonic Proprietary Telephone with a 3-line display allows you to make calls and operate the features using the display message. You do not have to memorise the phone numbers or feature numbers.

Operation

1. Press the SHIFT button repeatedly to show the third display.
2. Press the desired button, if required.
3. Rotate the Jog Dial until the desired message is at the arrow.
   (Please refer to "Display feature list" in "2.10.4 Using the KX-T7531, KX-T7533, KX-T7536 or KX-T7235" for the feature messages.)

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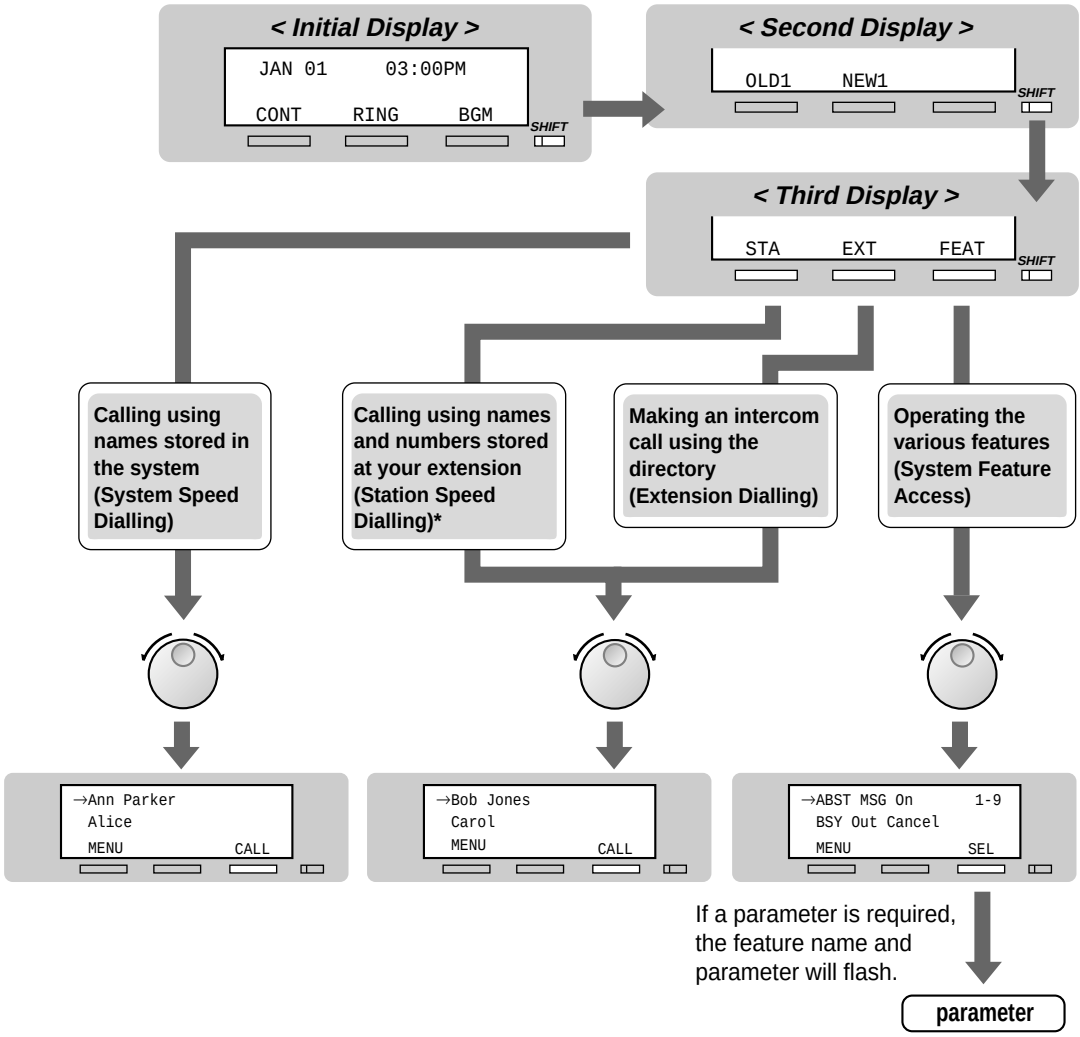
4. Press the "CALL" button to call the party or the "SEL" button to select the desired feature.

5. Enter parameters if required.



*The names and phone numbers should be stored beforehand. Please refer to "Storing the names and numbers for station speed dialling" in "2.10.4 Using the KX-T7531, KX-T7533, KX-T7536 or KX-T7235."

Using the KX-T7536

A KX-T7536 Panasonic Proprietary Telephone with a 6-line display allows you to make calls and operate the features using the display message. You do not have to memorise the phone numbers or feature numbers.

Operation using the function buttons

1. Press the desired function button on the initial display.

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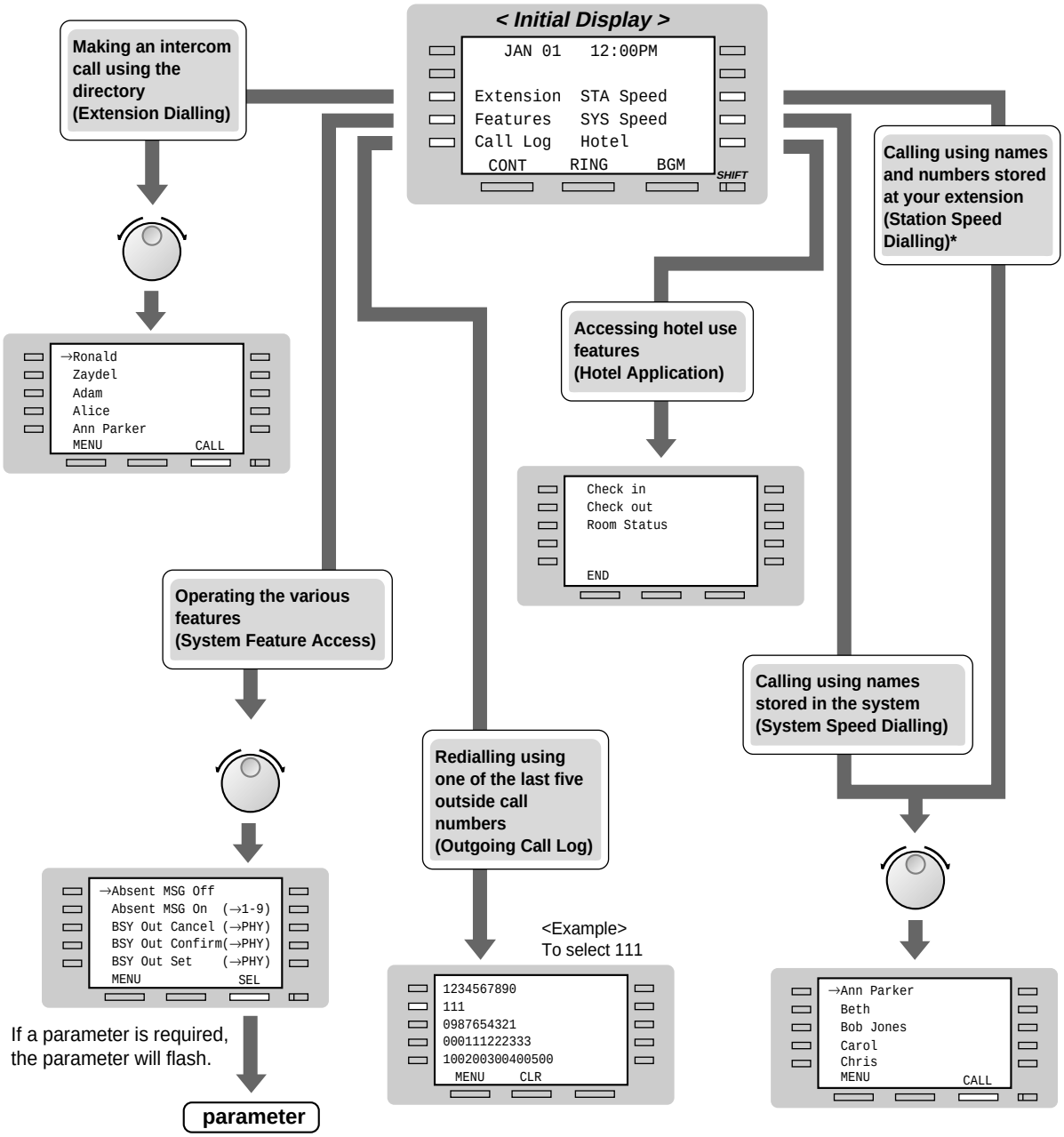
2. Rotate the Jog Dial until the desired message is at the arrow.
(Please refer to "Display feature list" in "2.10.4 Using the KX-T7531, KX-T7533, KX-T7536 or KX-T7235" for the feature messages.)

3. Press the "CALL" button or the function button to call the party.
Or press the "SEL" button to select the desired feature at the arrow or press the function button next to the desired feature.

4. Enter parameters if required.



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*The names and phone numbers should be stored beforehand. Please refer to "Storing the names and numbers for station speed dialling" in "2.10.4 Using the KX-T7531, KX-T7533, KX-T7536 or KX-T7235."

Operation using the soft buttons

1. Press the SHIFT button repeatedly to show the third display.
2. Press the desired button, if required.
3. Rotate the Jog Dial until the desired message is at the arrow.
   (Please refer to "Display feature list" in "2.10.4 Using the KX-T7531, KX-T7533, KX-T7536 or KX-T7235" for the feature messages.)
4. Press the "CALL" button to call the party or the "SEL" button to select the desired feature.
5. Enter parameters if required.

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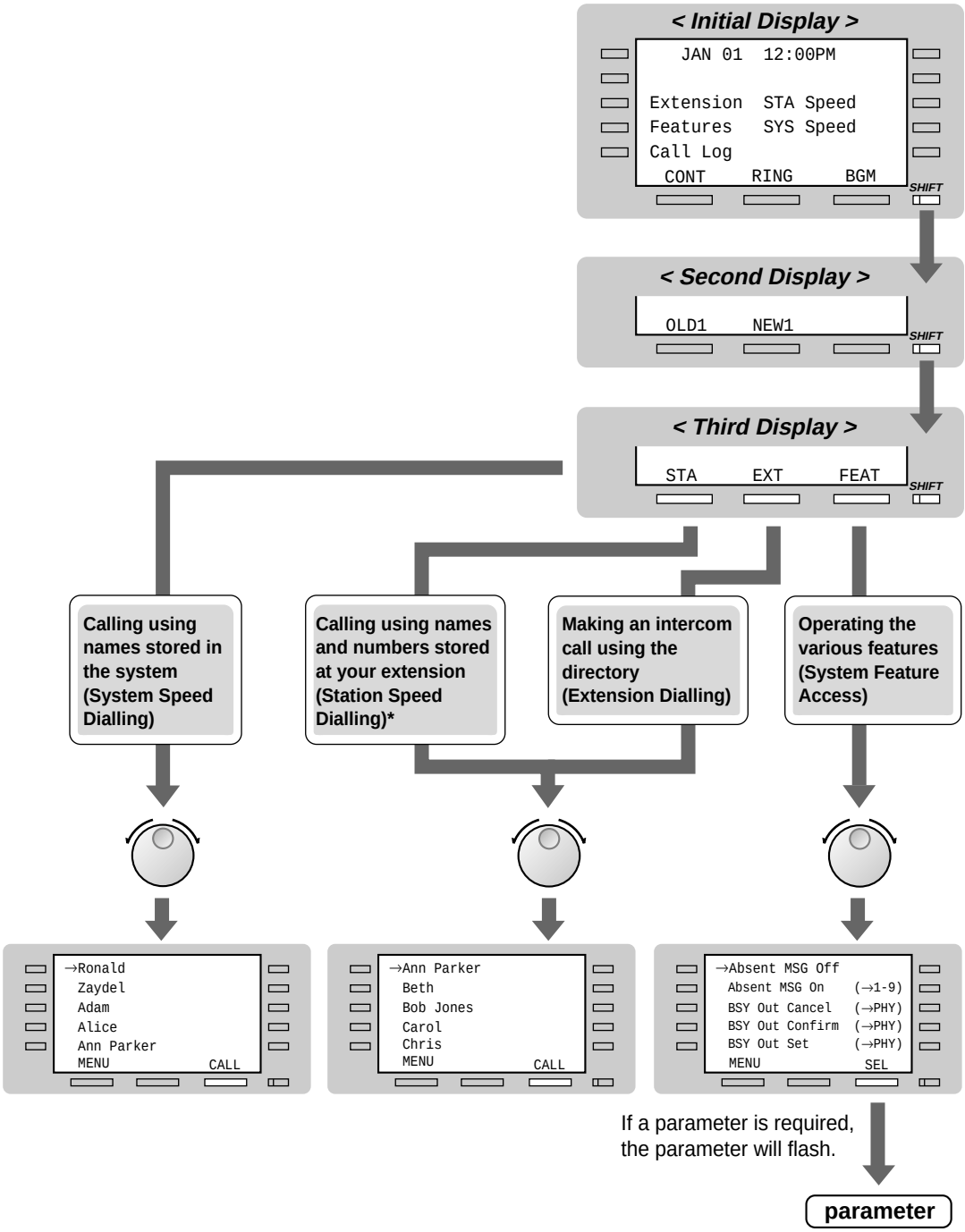

*The names and phone numbers should be stored beforehand. Please refer to "Storing the names and numbers for station speed dialling" in "2.10.4 Using the KX-T7531, KX-T7533, KX-T7536 or KX-T7235."

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Using the KX-T7235

A KX-T7235 Panasonic Proprietary Telephone with a 6-line display allows you to make calls and operate the features using the display message. You do not have to memorise the phone numbers or feature numbers.

Operation

1. Press the desired function button on the initial display.
2. Press the desired function button or "NEXT" button until the desired message is displayed. (Please refer to "Display feature list" in "2.10.4 Using the KX-T7531, KX-T7533, KX-T7536 or KX-T7235" for the feature messages.)
3. Press the function button next to the desired party or the feature.
4. Enter parameters if required.

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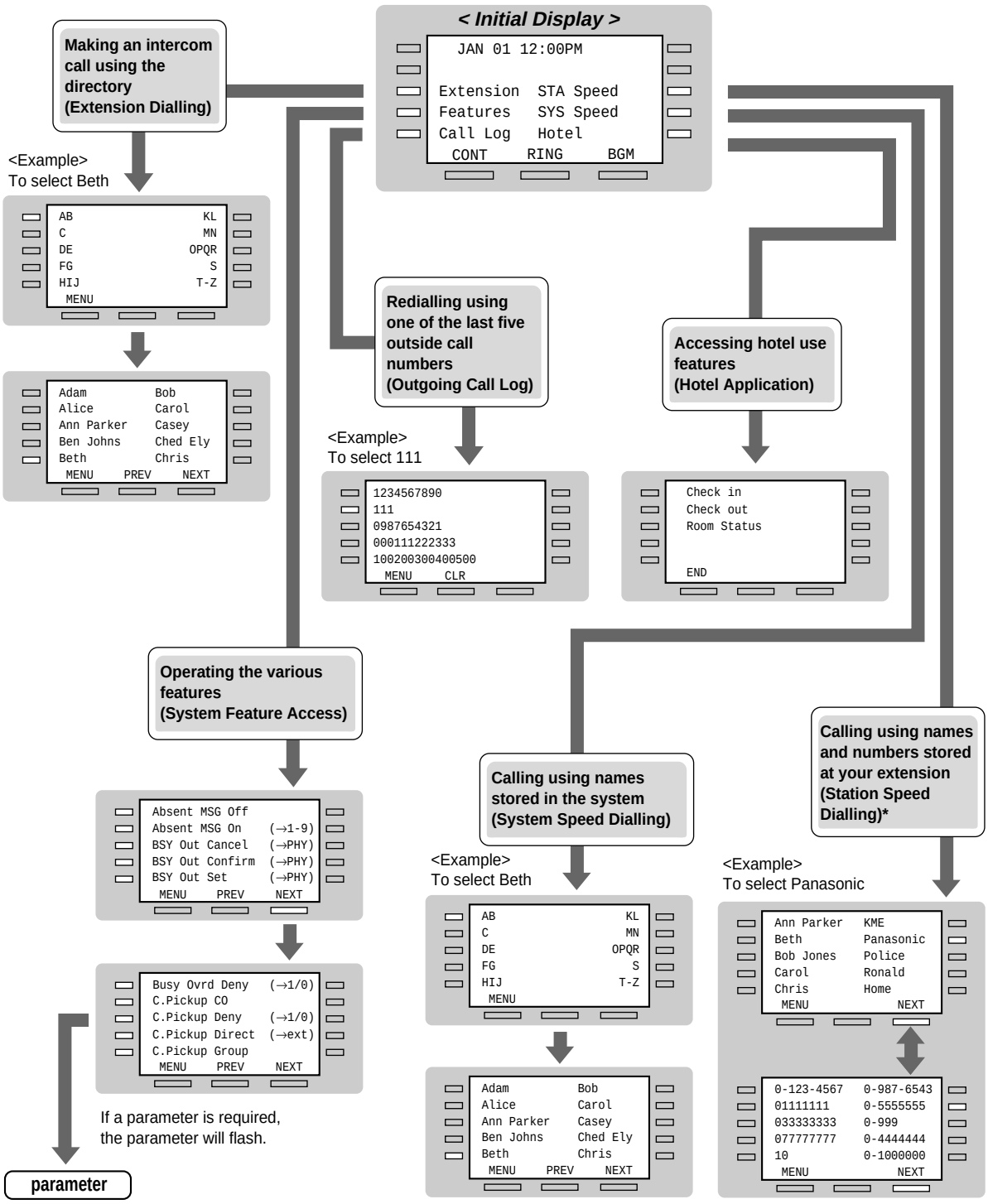

*The names and phone numbers should be stored beforehand. Please refer to "Features" in "2.10.4 Using the KX-T7531, KX-T7533, KX-T7536 or KX-T7235."

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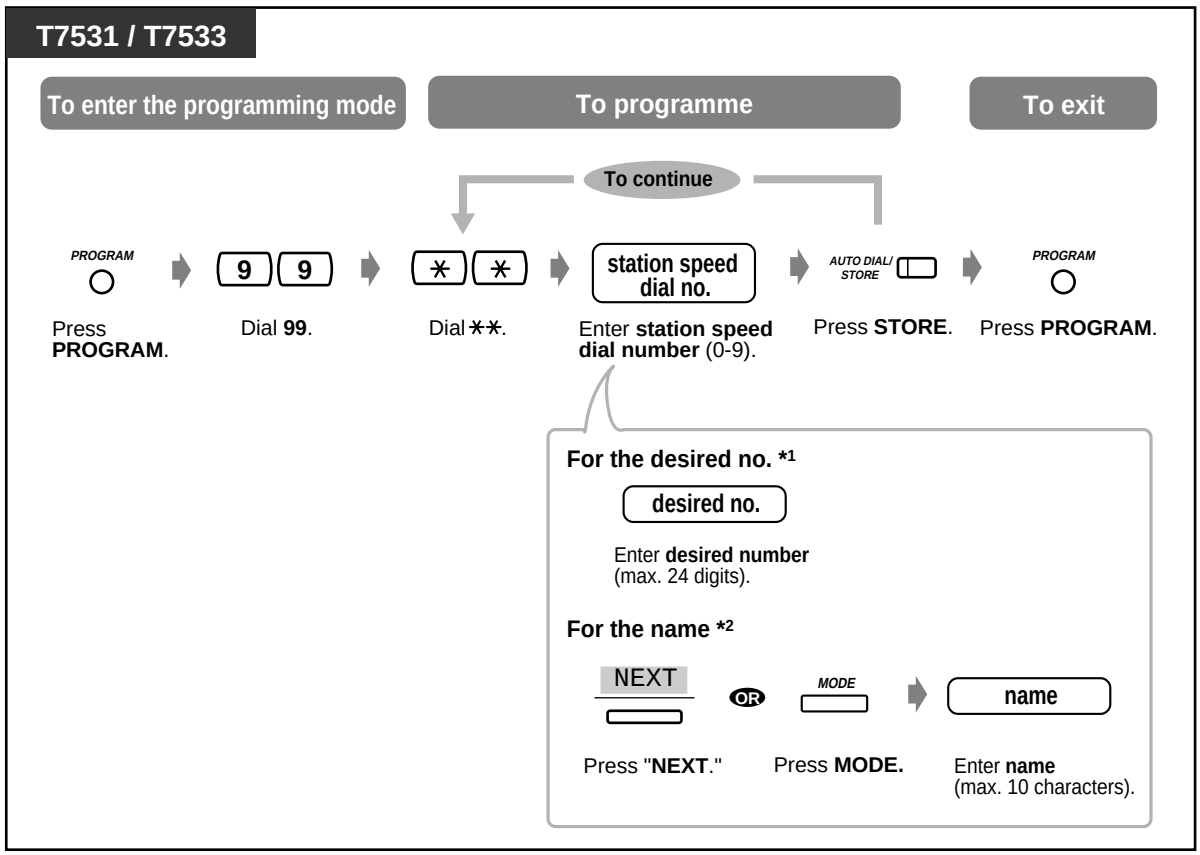
Storing the names and numbers for station speed dialling



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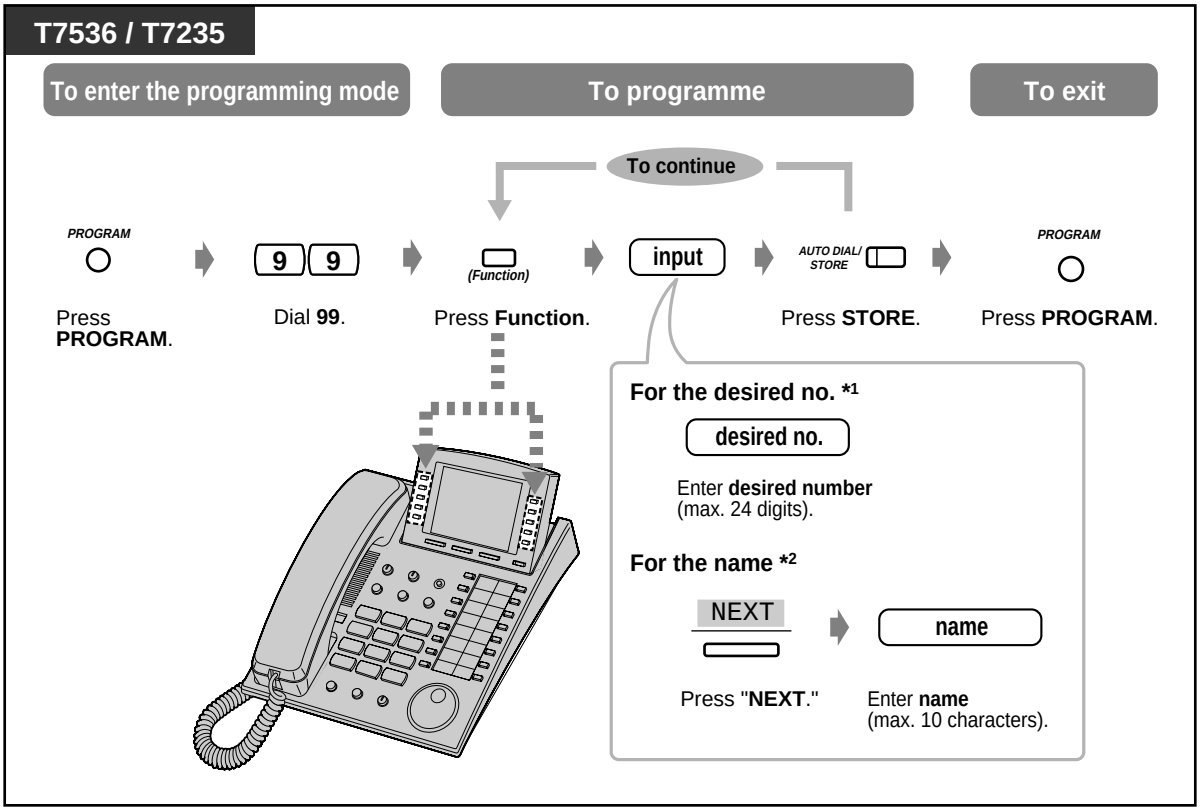

*1 The dialling codes (0-9, ✳, #) and the following buttons can be used for storing the number.

FLASH: hook flash

PAUSE: pausing time (dialling delay)

CONF: "-" (hyphen)

INTERCOM: for Secret Dialling

✳#: for changing the dialling mode (from Pulse to Tone)

*2 To enter characters, please refer to "Character Entry" in "4.3 Customising Your System (User Programming)."

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Display feature list

You can access the following features. These displays can be shown by rotating the Jog Dial or pressing "NEXT" or "PREV" button after selecting "Features." For their operation, please refer to the respective operating instructions in the list below.

Display (KX-T7536 / KX-T7235)	Display (KX-T7531 / KX-T7533)	Feature Description
Absent MSG Off	ABST MSG Off	Cancel the absent message. Please refer to "To cancel" in "2.5.3 Showing an Absent Message on the Caller's Telephone Display (Absent Message Capability)."
Absent MSG On (→1-9)	ABST MSG On 1-9	Set an absent message. Please refer to "To set" in "2.5.3 Showing an Absent Message on the Caller's Telephone Display (Absent Message Capability)."
BSY Out Cancel (→PHY)	BSY Out Cancel	Cancel the Trunk Busy-out setting. *Please refer to "3.2.3 Trunk Busy-out Setting."
BSY Out Confirm (→PHY)	BSY Out Confirm	Confirm the Trunk Busy-out setting. *Please refer to "3.2.3 Trunk Busy-out Setting."
BSY Out Set (→PHY)	BSY Out Set	Busy out a specific trunk. *Please refer to "3.2.3 Trunk Busy-out Setting."
Busy Ovrd Deny (→1/0)	BSY Ovr DNY 1/0	Deny or allow other people the possibility of joining your conversation. Please refer to "2.7.9 Denying Other People the Possibility of Joining Your Conversation (Executive Busy Override Deny)."
C.Pickup CO	C.Pickup CO	Pick up an outside call for another extension. Please refer to "2.3.3 Answering a Call Ringing at Another Telephone (Call Pickup)."

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Display (KX-T7536 / KX-T7235)	Display (KX-T7531 / KX-T7533)	Feature Description
C.Pickup Deny (→1/0)	C.PickupDNY 1/0	Deny or allow other people the possibility of picking up your calls. Please refer to "2.7.8 Denying Other People the Possibility of Picking up Your Calls (Call Pickup Deny)."
C.Pickup Direct (→ext)	C.PickupDRT ext	Pick up a specific extension's call. Please refer to "2.3.3 Answering a Call Ringing at Another Telephone (Call Pickup)."
C.Pickup Group	C.Pickup Grp	Pick up a call within your extension group. Please refer to "2.3.3 Answering a Call Ringing at Another Telephone (Call Pickup)."
C.Waiting (→0-3)	C.Waiting 0-3	Cancel or set the Call Waiting feature. Please refer to "To set/cancel" in "2.7.3 Receiving a Call Waiting (Call Waiting/Off-Hook Call Announcement [OHCA]/ Whisper OHCA)."
Call Park (→00-99)	Call Park 00-99	Place a call on hold in a system parking area. Please refer to "To set" and "To retrieve" in "2.4.1 Holding a Call."
Callback Busy Cancel	Callback Cancel	Cancel the setting which reserves a busy line. Please refer to "To cancel" in "2.2.4 When the Dialled Line is Busy or There is No Answer."
COS Primary (→ext)	COS Primary ext	Set a COS Primary. Please refer to "To set" in "3.1.5 Changing Service Level of Extensions (Switching COS)."
COS Secondary (→ext)	COS Second ext	Set a COS Secondary. Please refer to "To set" in "3.1.5 Changing Service Level of Extensions (Switching COS)."

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Display (KX-T7536 / KX-T7235)	Display (KX-T7531 / KX-T7533)	Feature Description
Data Line On/Off (→1/0)	Data Line 1/0	Refuse (On) or accept (Off) an indication tone, e.g., call waiting tone. Please refer to "To set" in "2.7.11 Protecting Your Line against Indication Tones (Data Line Security)."
Door Open (→1-8)	Door Open 1-8	Unlock the door. Please refer to "From specified extension" in "2.8.1 If a Doorphone/Door Opener is Connected."
Doorphone Call (→1-8)	Doorphone 1-8	Call the doorphone. Please refer to "To call the doorphone" in "2.8.1 If a Doorphone/Door Opener is Connected."
Extrn BGM On/Off	Ext-BGM On/Off	Turn on/off the background music. *Please refer to "3.2.1 Turning on the External Background Music (Background Music [BGM]—External)."
Extrn MODEM CTL (→1-5)	Extrn MODEM 1-5	Control the external modem by sending a pre-assigned AT Command. Please refer to "2.11.1 Controlling the External Modem (External Modem Control)."
FWD Cancel Once (→ext)	FWD Cancel Once	Cancel the Call Forwarding feature set at other extensions. *Please refer to "3.1.3 Calling the Extension that has set Call Forwarding (Remote FWD Cancel—Once)."
G-FWD (→1/0+FDN+FDN)	G-FWD	Set or cancel forwarding all calls to an incoming group. *Please refer to "2.11.6 Forwarding All Calls to an Incoming Group (Call Forwarding)."
G-Login/out (→1/0+FDN)	G-Login/out	Join (Log-in) or leave (Log-out) the incoming group. Please refer to "2.5.5 Leaving a Group (Log-In/Log-Out)."

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Display (KX-T7536 / KX-T7235)	Display (KX-T7531 / KX-T7533)	Feature Description
LCS Password (→abcabc)	LCS # abcabc	Set or cancel the password for the Live Call Screening feature. Please refer to "To set/cancel the password" in "2.8.3 If a Voice Processing System is Connected."
Log Lock Call (→abcabc)	Log Lock abcabc	Deny or allow other people the possibility of seeing your call log. Please refer to "2.10.3 Denying Other People the Possibility of Seeing Your Call Log (Incoming Call Log Lock) [KX-T7533, KX-T7536, KX-T7230, KX-T7235 only]."
Log Ovrt On/Off (→1/0)	Log Ovrt 1/0	Select how the 31st call is treated, either it is disregarded (Off) or overwrites (On) the oldest call. Please refer to "How to treat the 31st call" in "2.10.1 Calling Using the Call Log (Incoming Call Log) [KX-T7533, KX-T7536, KX-T7230, KX-T7235 only]."
Login/Logout (→1/0)	Login/out 1/0	Join (Log-in) or leave (Log-out) the extension group. Please refer to "2.5.5 Leaving a Group (Log-In/Log-Out)."
Message Off (→ext)	MSG Off ext	Cancel the notification. Please refer to "Leaving a message waiting indication (Massage Waiting)" in "2.2.4 When the Dialled Line is Busy or There is No Answer."
Message On (→ext)	MSG On ext	Leave a notification so that the called party may call you back. Please refer to "Leaving a message waiting indication (Massage Waiting)" in "2.2.4 When the Dialled Line is Busy or There is No Answer."

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Display (KX-T7536 / KX-T7235)	Display (KX-T7531 / KX-T7533)	Feature Description
Night Mode (→0-4)	Night Mode 0-4	Change the auto / day / night / lunch / break mode. (Pre-assigned extension can also change the mode.) Please refer to "2.11.4 Switching the Day/ Night Service."
OGM Playback (→1-8)	OGM Play 1-8	Playback the outgoing message. *Please refer to "To play back" in "3.2.2 Recording Outgoing Messages."
OGM Recording (→1-8)	OGM Record 1-8	Record an outgoing message. *Please refer to "To record" in "3.2.2 Recording Outgoing Messages."
Page Deny On/Off (→1/0)	Page Deny 1/0	Deny (On) or allow (Off) being paged. Please refer to "To set/cancel in "2.7.4 Denying the Paged Announcement (Paging—Deny)."
Page-Ext Answer (→1-2)	Page-E ANS 1-2	Answer the paged announcement through a speaker. Please refer to "2.3.4 Answering a Call via an External Speaker (Trunk Answer From Any Station [TAFAS])," "Through a speaker" in "2.6.3 Answering a Paged Announcement."
Page-GRP Answer	Page-GRP ANS	Answer the paged announcement through a telephone in the same extension group. Please refer to "Through the telephones" in "2.6.3 Answering a Paged Announcement."
Paging External (→0-2)	Page Extrn 0-2	Page through the external speaker. Please refer to "External" in "2.6.1 Paging."
Paging Group (→#,01-16)	Page GRP 01-16	Page to all or a particular paging group. Please refer to "Group" in "2.6.1 Paging."

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Display (KX-T7536 / KX-T7235)	Display (KX-T7531 / KX-T7533)	Feature Description
Parallel On/Off (→1/0)	Parallel 1/0	Set whether a Single Line Telephone connected in parallel will ring (On) or not (Off) when receiving a call. Please refer to "2.7.13 Setting the Parallel Connected Telephone Ringer (Parallelled Telephone Connection)."
Pickup Dialing (→1/0)	Pickup Dial 1/0	Set or cancel the feature, calling to a pre-set party by going off-hook. Please refer to "To set/ cancel" in "2.2.2 Easy Dialling."
Pickup DL Prg (→..+#)	Pickup DL PG..#	Store the extension or phone number to call a party by going off-hook. Please refer to "To store a phone number" in "2.2.2 Easy Dialling."
Remote DND (→ext)	Remote DND	Set or cancel the DND feature set at other extensions. *Please refer to "3.1.2 Setting or Cancelling the DND Feature to Other Extensions (Remote DND Control)."
Remote Timed Reminder	R-Timed Remind	Set or cancel the alarm ringing time for any extension. *Please refer to "To set" and "To cancel" in "3.1.1 Setting the Alarm for Other Extensions (Remote Timed Reminder (Wake-Up Call))."
Station Lock (→abcabc)	St.Lock abcabc	Deny other people the possibility of using your telephone. Please refer to "2.5.4 Preventing Other People from Making Outside Calls Using Your Telephone (Electronic Station Lockout)."
Station Program Clear	STA Prog Clear	Clear the features set at your telephone. Please refer to "2.7.14 Clearing the Feature Settings at Your Extension (Station Programme Clear)."

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Display (KX-T7536 / KX-T7235)	Display (KX-T7531 / KX-T7533)	Feature Description
Timed Reminder	Timed Reminder	Set the alarm ringing time. Please refer to "To set" and "To cancel in "2.7.1 Setting the Alarm (Timed Reminder (Wake-Up Call))."
TRK Route CTL (→PHY)	TRK Route CTL	Verify the status of a specific trunk. *Please refer to "3.2.4 Trunk Route Control."
UCD Monitor End	UCD Monitor End	Cancel the monitoring of a UCD Group. Please refer to "To set" in "2.11.3 Monitoring the Number of UCD Calls Waiting to be Answered (UCD Monitor Mode)."
UCD Monitor STRT (→FDN)	UCD Monitor STR	Start the monitoring of a UCD Group. Please refer to "To cancel" in "2.11.3 Monitoring the Number of UCD Calls Waiting to be Answered (UCD Monitor Mode)."
Walking COS (→code+ext)	WK.COS code+ext	Call using your privileges at another extension. Please refer to "Using your calling privilege at another extension (Walking COS)" in "2.2.5 Calling without Restrictions."

*Available for the Manager and the Operators only.

Call Forwarding/Do Not Disturb feature:
You can also access the Call Forwarding and Do Not Disturb features. Go off-hook and press the FWD/DND button. You will see the following displays. For their operation, please refer to the respective operating instructions. The KX-T7536 and the KX-T7235 users only use this display operation.

```
FWD/DND Cancel
Do Not Disturb
FWD-All Calls    (→ext)
FWD-Busy         (→ext)
FWD-No Answer    (→ext)
 MENU    PREV    NEXT
```

```
FWD-BSY/NA       (→ext)
FWD-CO/TIE Line (→dial)
FWD-From         (→ext)
FWD-From Cancel  (→ext)
FWD-NA CO/TIE   (→dial)
 MENU    PREV    NEXT
```


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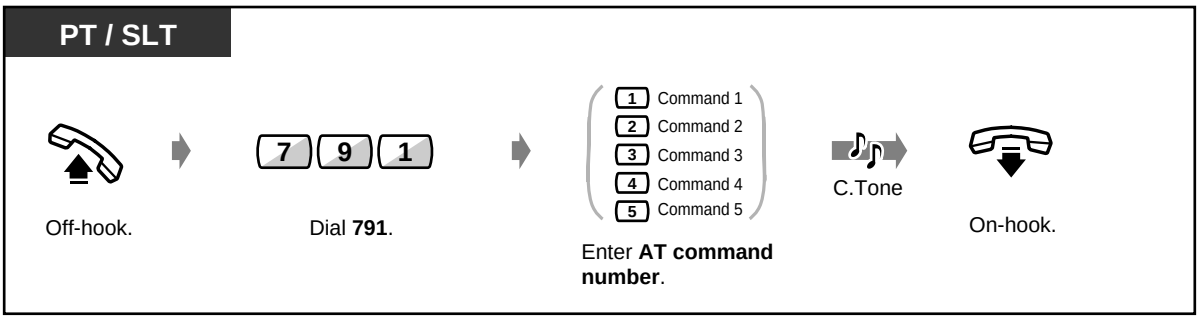
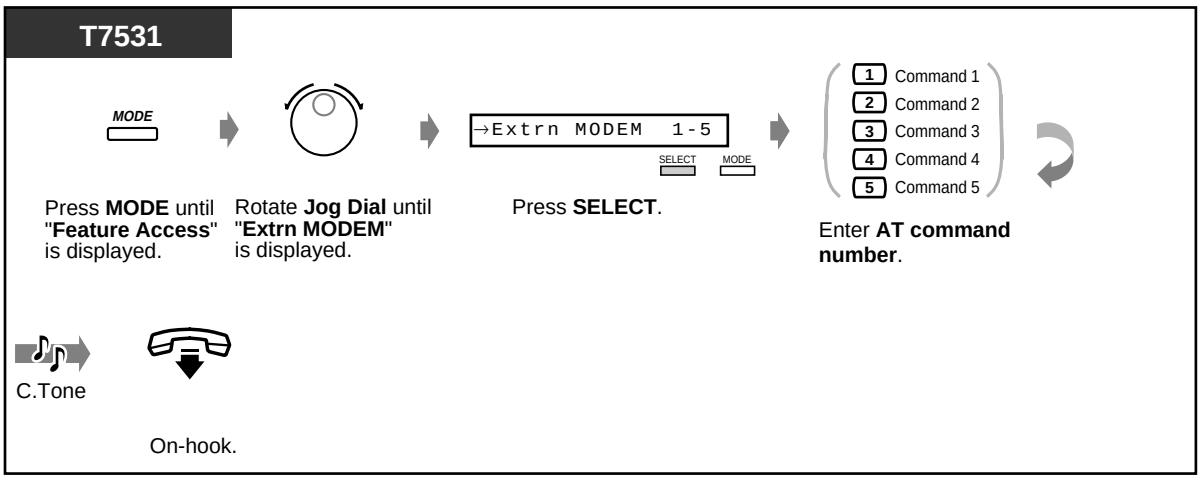
2.11 Other Features

2.11.1 Controlling the External Modem (External Modem Control)

Allows you to control the external modem, connected to the KX-TD500 System, using an RS-232C cable, by sending a pre-assigned AT command (for enabling Automatic Answer, etc.).

◆ ***To activate an AT command***





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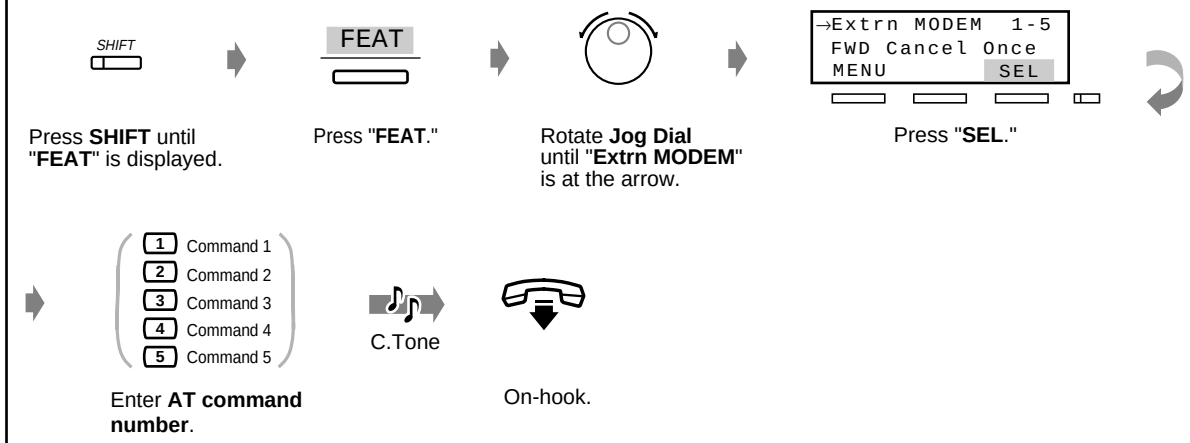
◆ *To activate an AT command (contd.)*

T7533



Press **SHIFT** until "**FEAT**" is displayed.

Press "**FEAT**."

Rotate **Jog Dial** until "**Extrn MODEM**" is at the arrow.

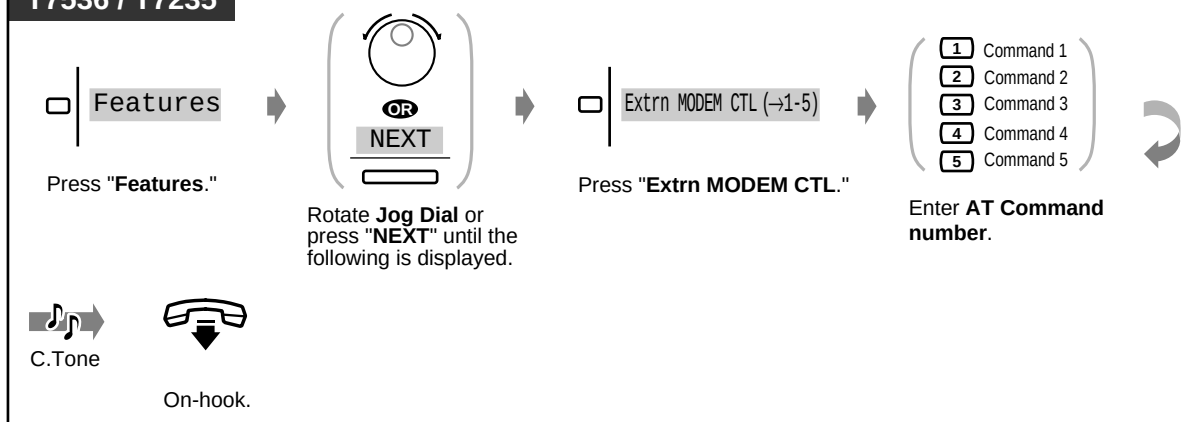
Press "**SEL**."

Enter **AT command number**.

C.Tone

On-hook.

T7536 / T7235



Press "**Features**."

Rotate **Jog Dial** or press "**NEXT**" until the following is displayed.

Press "**Extrn MODEM CTL**."

Enter **AT Command number**.

C.Tone

On-hook.

- An AT command can only be programmed by Serial Interface / Remote Programming software.
- For more information about AT Command, please refer to the modem instructions.

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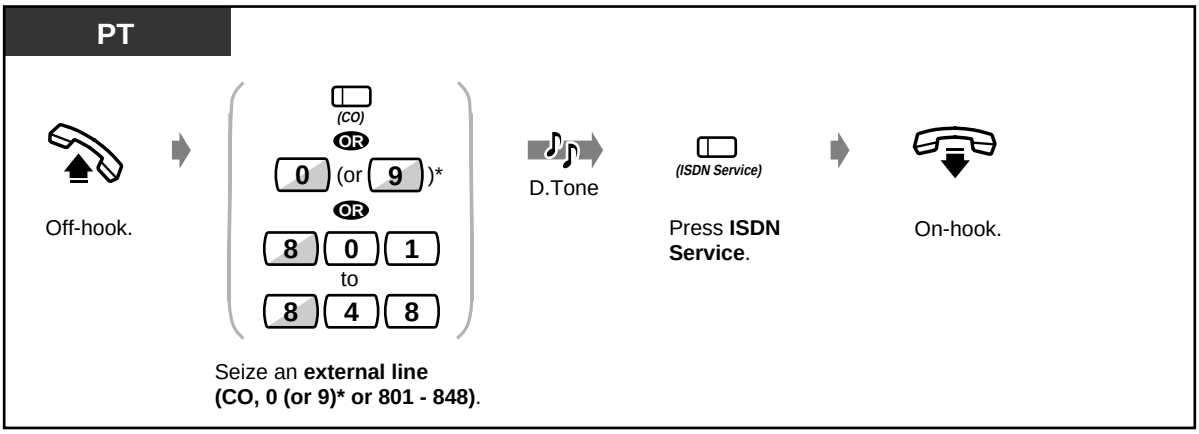
2.11.2 Accessing the ISDN Network Service (ISDN Network Service Access)

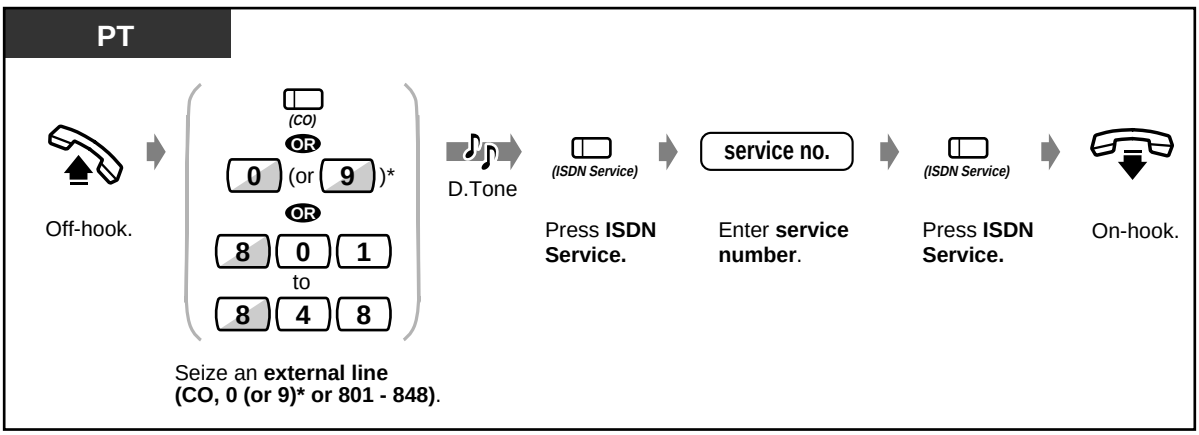
You can access services provided by the ISDN Network.

◆ ***To access an ISDN Service (1)***



*) 0: [SA], 9: Others

◆ ***To access an ISDN Service (2)***



*) 0: [SA], 9: Others

- For more information about ISDN Network Services or the specific numbers, please consult your ISDN Network provider.
- The ISDN Service button can be used, just after getting the outside line, during a call and after disconnecting the call. (This depends on the type of the service provided by the ISDN Network provider.)

4.1 Customising Your Phone (Station Programming)
- 4.1.2 Customising the Buttons
  Create or re-arrange an ISDN Service button

4.3 Customising Your System (User Programming)
- 4.3.5 Flexible CO Button Assignment (005)

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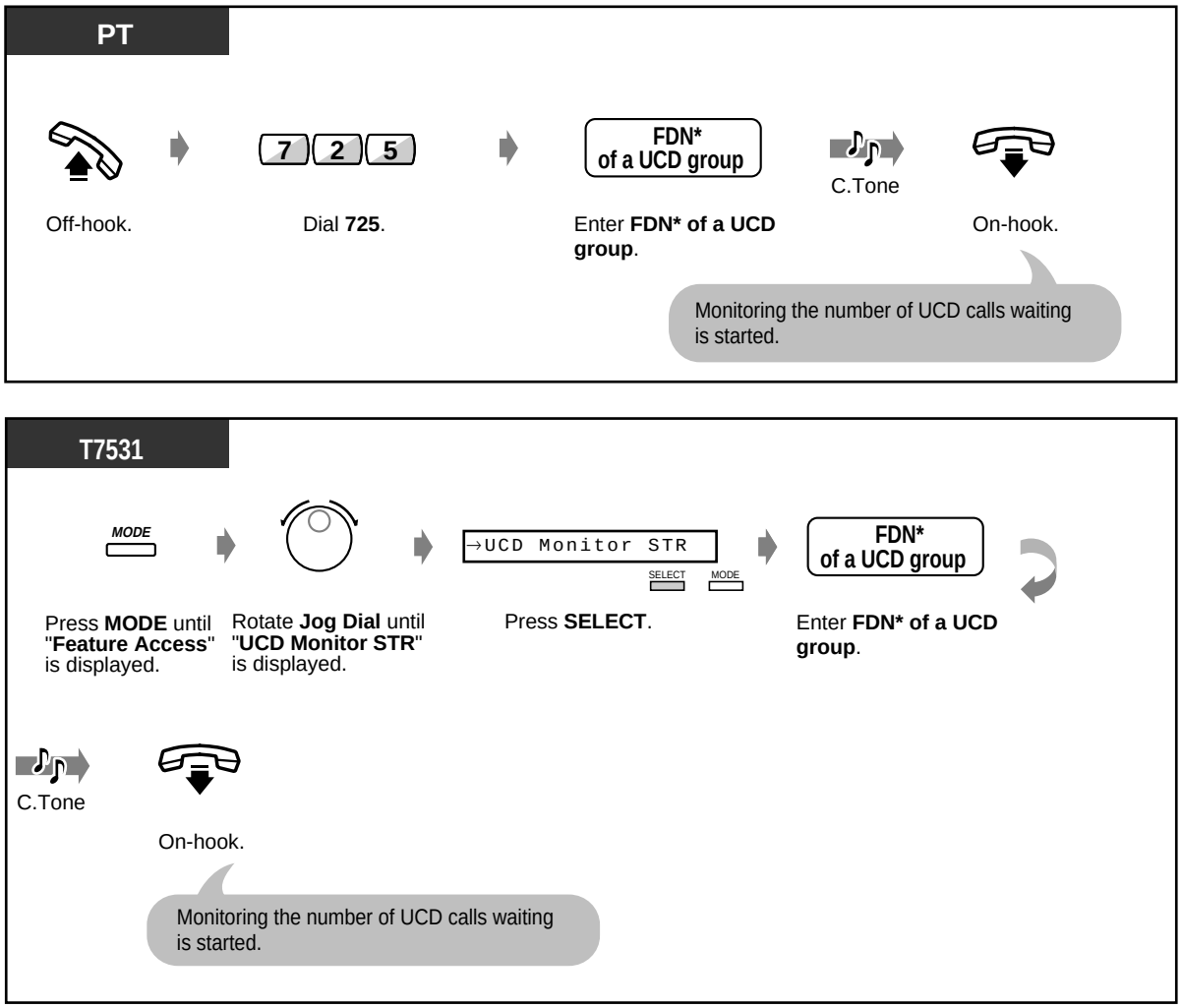
2.11.3 Monitoring the Number of UCD Calls Waiting to be Answered (UCD Monitor Mode)

You can (if specified as the Supervisor Extension of a UCD (Uniform Call Distribution) Group by System Programming) monitor the number of calls waiting to be answered in the queue.

◆ ***To set***



* FDN (Floating Directory Number):
Virtual extension number assigned to a group of extensions, such as a UCD group, to make it appear as a real extension.

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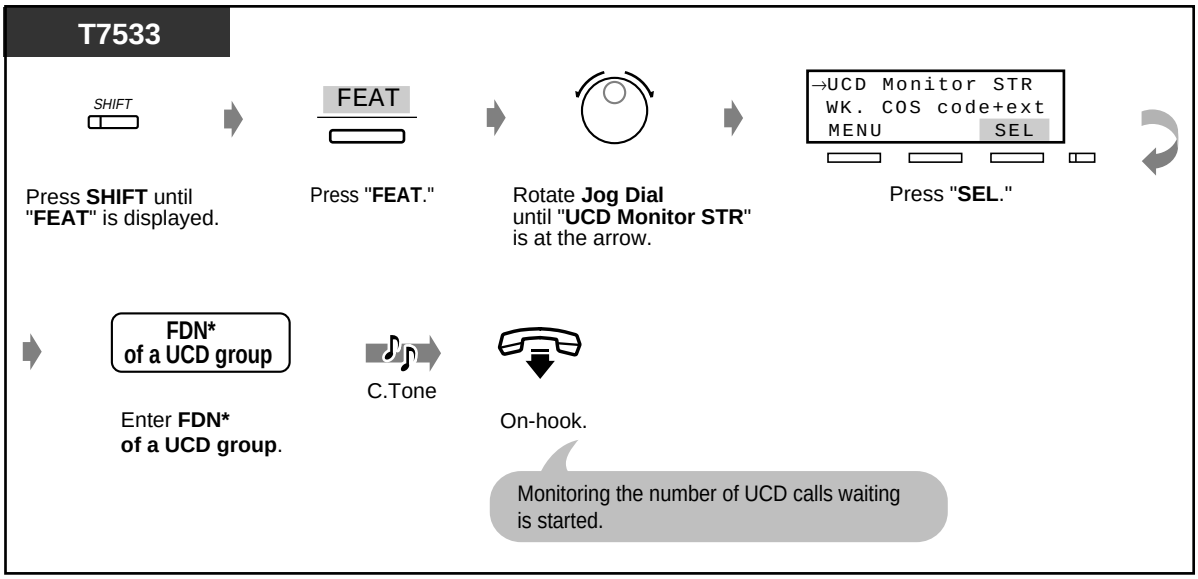
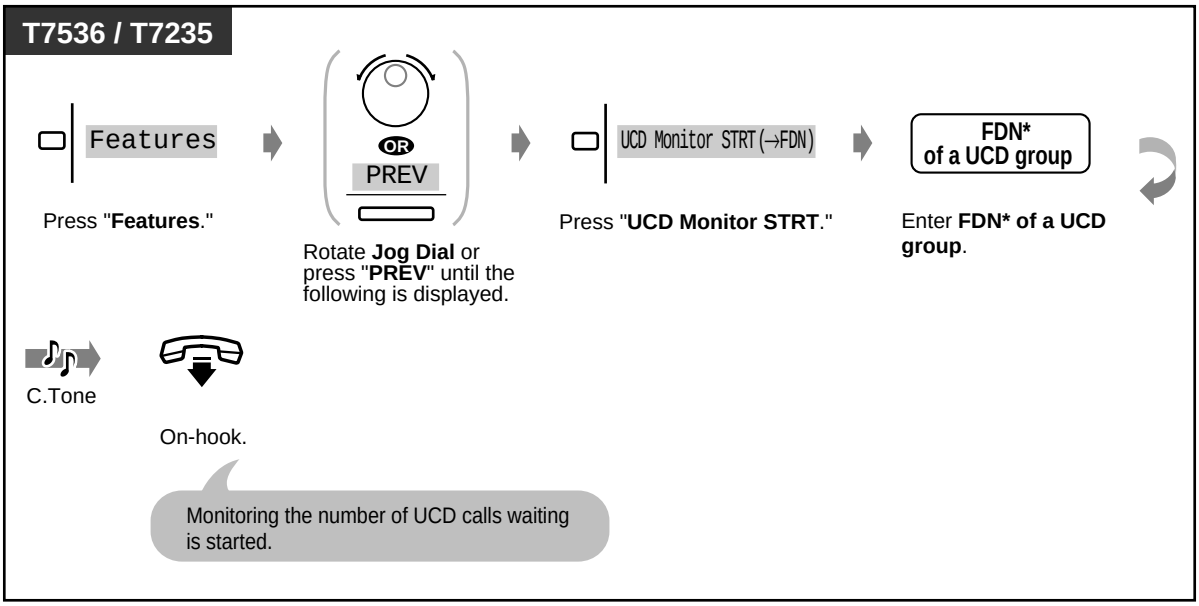
◆ ***To set (contd.)***

T7533



T7536 / T7235



* FDN (Floating Directory Number):
Virtual extension number assigned to a group of extensions, such as a UCD group, to make it appear as a real extension.

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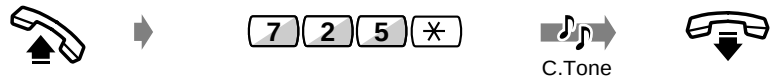
◆ *To cancel*

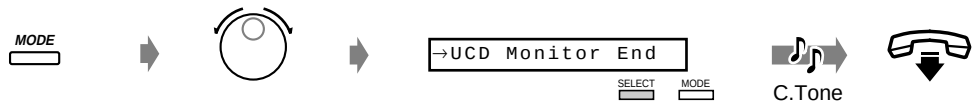
PT



Off-hook. Press **725✳**. On-hook.

Monitoring the number of UCD calls waiting is cancelled.

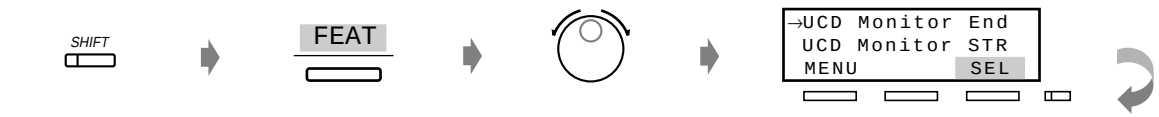
T7531



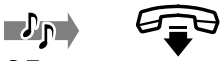
Press **MODE** until "**Feature Access**" is displayed. Rotate **Jog Dial** until "**UCD Monitor End**" is displayed. Press **SELECT**. On-hook.

Monitoring the number of UCD calls waiting is cancelled.

T7533



Press **SHIFT** until "**FEAT**" is displayed. Press "**FEAT**." Rotate **Jog Dial** until "**UCD Monitor End**" is at the arrow. Press "**SEL**."



On-hook.

Monitoring the number of UCD calls waiting is cancelled.

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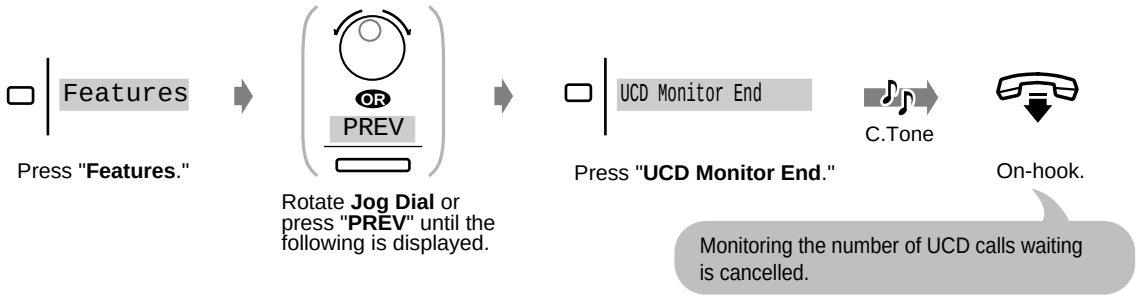
◆ ***To cancel (contd.)***

T7536 / T7235



- The Supervisor Extension of a UCD Group is specified by System Programming.
- When this feature is started for Incoming Group members, not only the number of calls put in the waiting queue but also Login / Logout status of the UCD Group members can be monitored.

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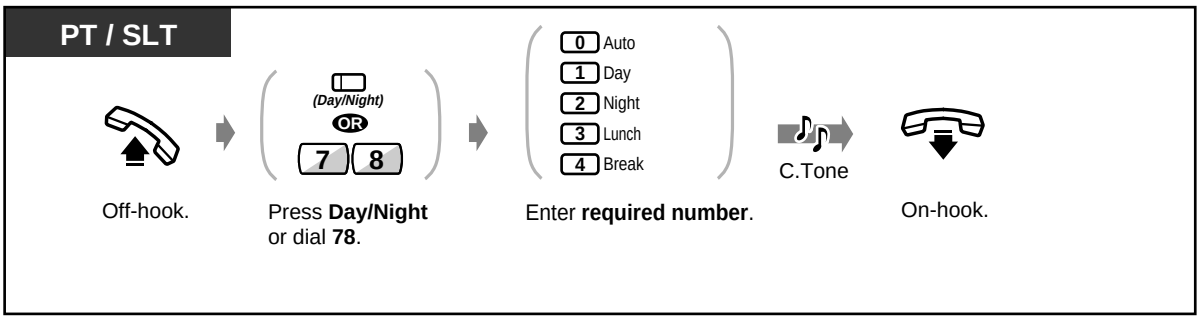
2.11.4 Switching the Day/Night Service

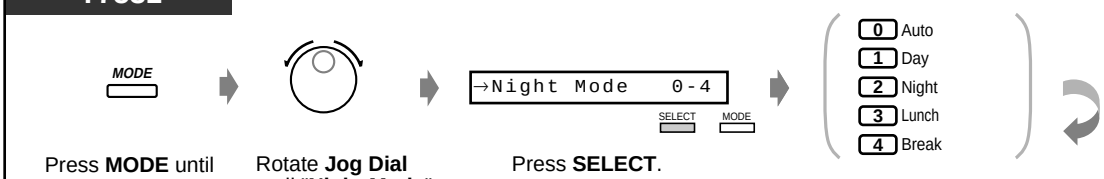
You can (if allowed by System Programming) turn on/off the Night service mode. The KX-TD500 System supports both the Night and Day modes of operation in a different arrangement. The Day mode includes the Lunch and Break mode. Only a DIL destination can perform in Lunch / Break mode. And, any other feature can perform in Day mode. The system operation for originating and receiving calls can be programmed differently in Day and Night modes.

PT / SLT

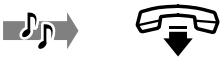


Off-hook. Press **Day/Night** or dial **78**. Enter **required number**. C.Tone. On-hook.

T7531

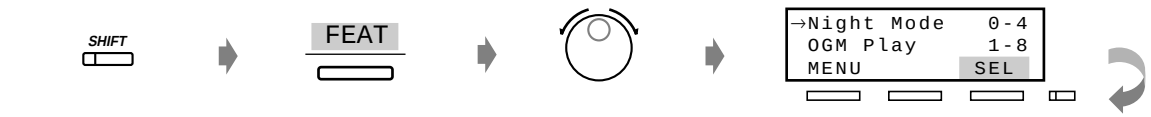


Press **MODE** until "**Feature Access**" is displayed. Rotate **Jog Dial** until "**Night Mode**" is displayed. Press **SELECT**. Enter **required number**.

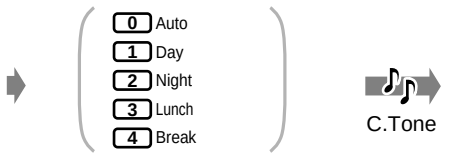


On-hook.

T7533



Press **SHIFT** until "**FEAT**" is displayed. Press "**FEAT**." Rotate **Jog Dial** until "**Night Mode**" is at the arrow. Press "**SEL**."



Enter **required number**. On-hook.

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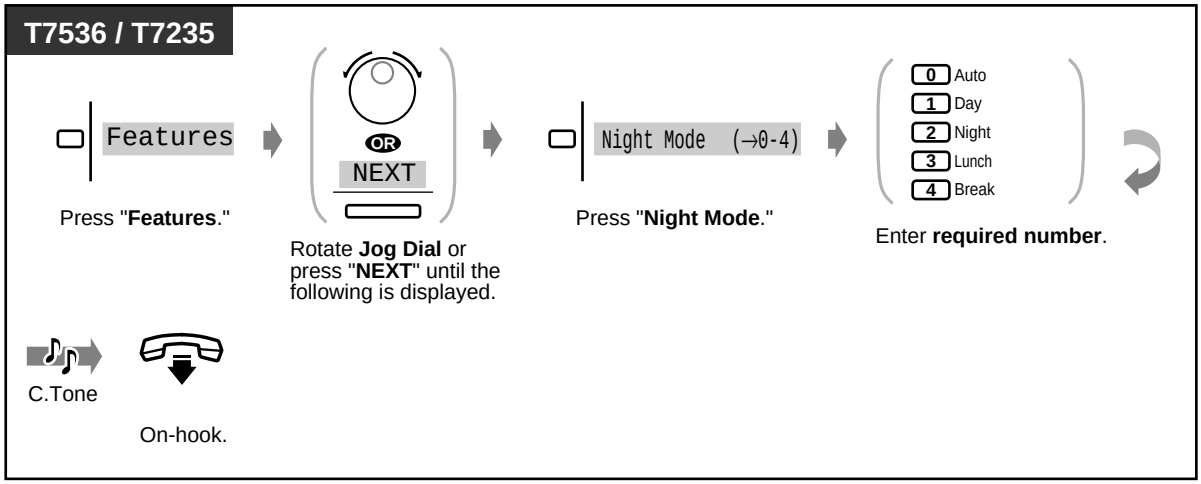

- **To confirm the current mode**, press the "#" key while on-hook.
- The light of Day / Night button assigned to a flexible CO button shows the current status as follows:

  Off: Day mode
  Red on: Night mode
  Green on: Lunch mode
  Green slow flash: Break mode
- The light of Day / Night button assigned to a flexible DSS button shows the current status as follows:

  Off: Day / Lunch (except for KX-T7540 and KX-T7541) / Break (except for KX-T7540 and KX-T7541) mode
  Red on: Night mode
  Green on: Lunch (KX-T7540 and KX-T7541) mode
  Green slow flash: Break (KX-T7540 and KX-T7541) mode
- The extension allowed by COS (Class of Service) programming, Manager and the Operators can also change the mode.

4.1 Customising Your Phone (Station Programming)
- 4.1.2 Customising the Buttons
  Create or re-arrange a Day / Night button.

4.3 Customising Your System (User Programming)
- 4.3.5 Flexible CO Button Assignment (005)

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2.11.5 Monitoring the Conversation (Secret Busy Override)

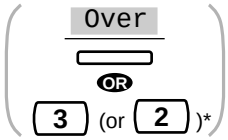
Joining an existing call in secret (Secret Busy Override)

You can interrupt an existing call without informing the other party.
Some extensions may be restricted from performing this function.

To set

PT / SLT

While hearing the busy tone



Press "**Over**" or dial **3** (or **2**).

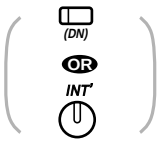
Party A and Party B in conversation do not know that their conversation is being monitored by Party C.

*) 3: [SA], 2: Others

To change to the three-party conference call

PT

When "Secret Busy Override" is executed



Press corresponding **DN** or **INTERCOM**.

A three-party conversation is now established.

C.Tone (Optional)

Talk.

!!

- You can also deny others the possibility of joining your conversation **(Executive Busy Override Deny)** (Default: Allow). Please refer to "2.7 Setting the Telephone According to Your Needs."

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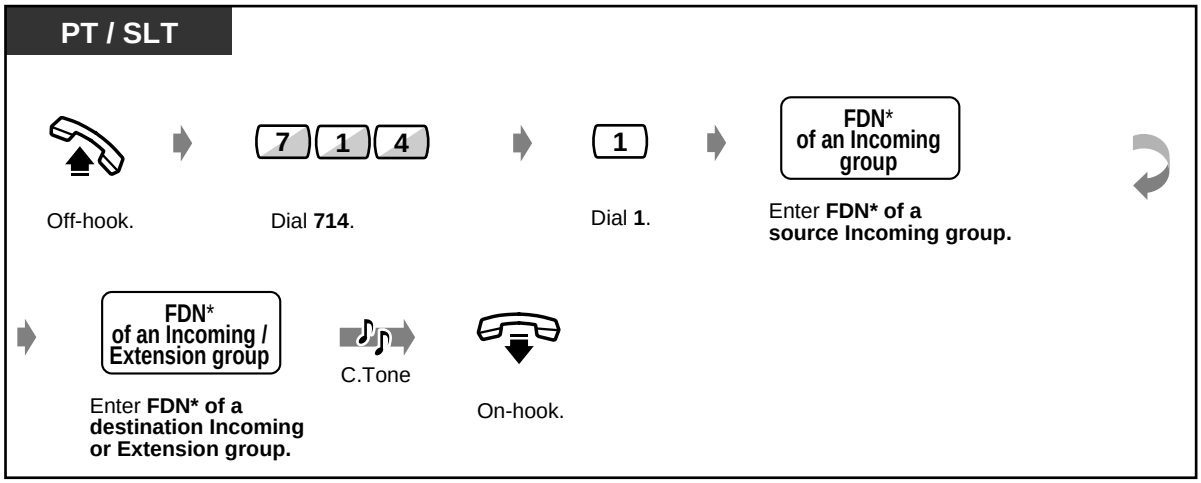
2.11.6 Forwarding All Calls to an Incoming Group (Call Forwarding)

You can have all calls to an Incoming Group forwarded to a pre-assigned Incoming Group or Extension Group destination.

◆ ***To set***

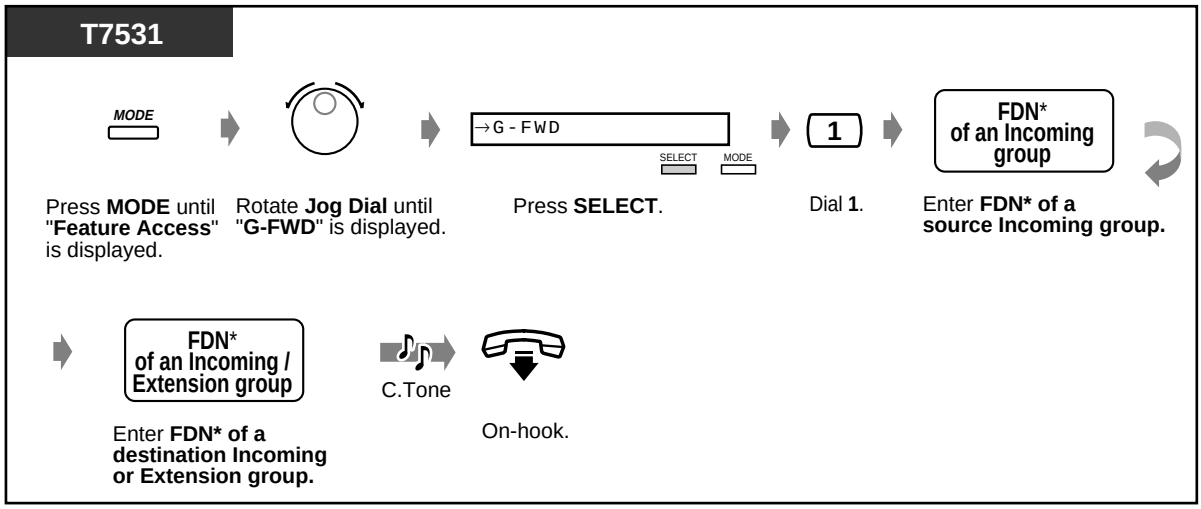
PT / SLT



Off-hook. Dial **714**. Dial **1**. Enter **FDN* of a source Incoming group.**

Enter **FDN* of a destination Incoming or Extension group.** C.Tone. On-hook.

T7531



Press **MODE** until "**Feature Access**" is displayed. Rotate **Jog Dial** until "**G-FWD**" is displayed. Press **SELECT**. Dial **1**. Enter **FDN* of a source Incoming group.**

Enter **FDN* of a destination Incoming or Extension group.** C.Tone. On-hook.

* FDN (Floating Directory Number):
Virtual extension number assigned to a group of extensions, such as an Incoming group, to make it appear as a real extension.

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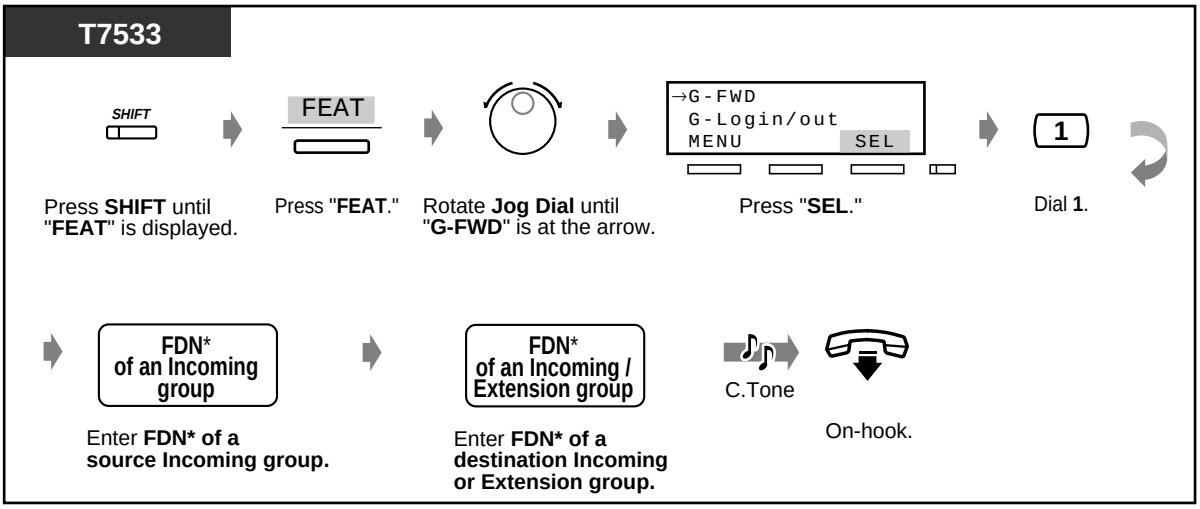
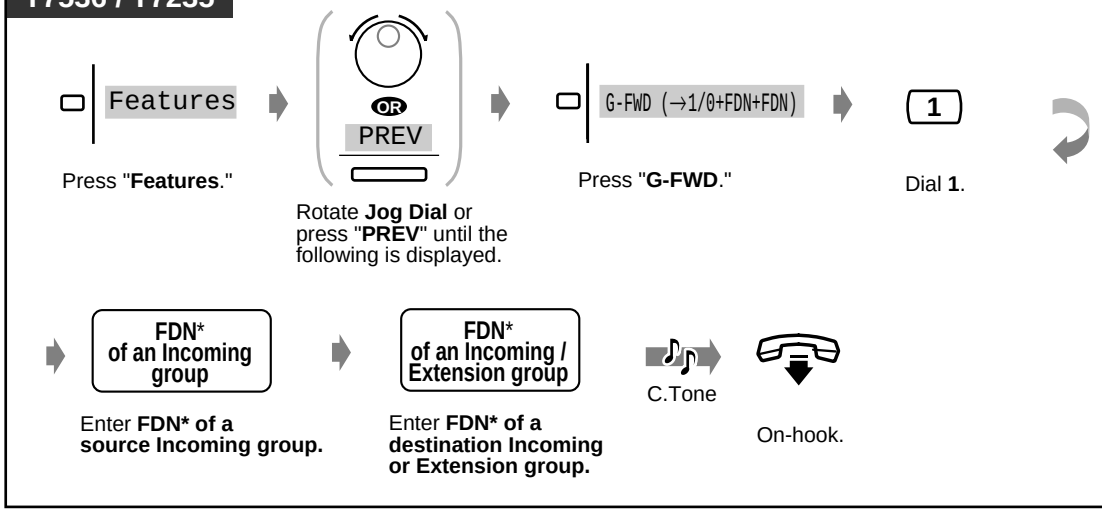
◆ ***To set (contd.)***

T7533



T7536 / T7235



* FDN (Floating Directory Number):
Virtual extension number assigned to a group of extensions, such as an Incoming group, to make it appear as a real extension.

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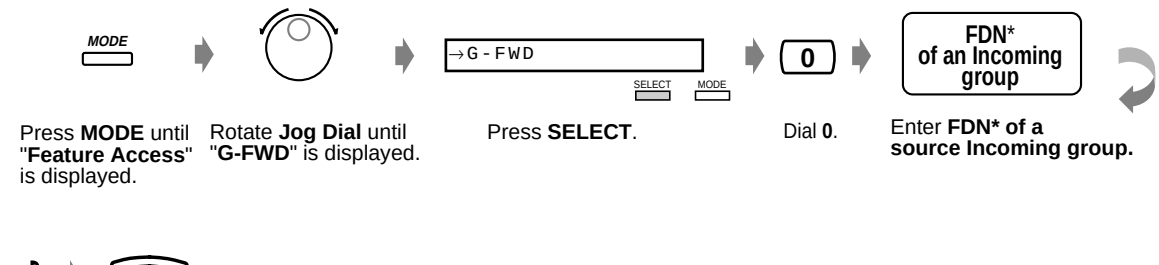
◆ *To cancel*

PT / SLT

Off-hook. Dial **714**. Dial 0. Enter **FDN* of a source Incoming group.**

C.Tone. On-hook.

T7531



Press **MODE** until "**Feature Access**" is displayed. Rotate **Jog Dial** until "**G-FWD**" is displayed. Press **SELECT**. Dial **0**. Enter **FDN* of a source Incoming group.**

C.Tone. On-hook.

T7533

Press **SHIFT** until "**FEAT**" is displayed. Press "**FEAT**." Rotate **Jog Dial** until "**G-FWD**" is at the arrow. Press "**SEL**." Dial **0**. Enter **FDN* of a source Incoming group.**

C.Tone. On-hook.

* FDN (Floating Directory Number):
Virtual extension number assigned to a group of extensions, such as an Incoming group, to make it appear as a real extension.

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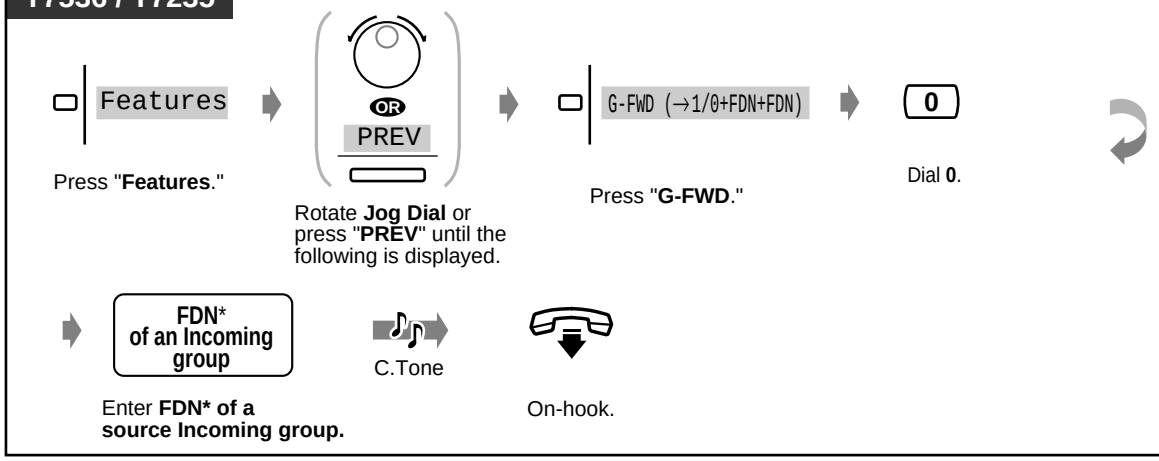
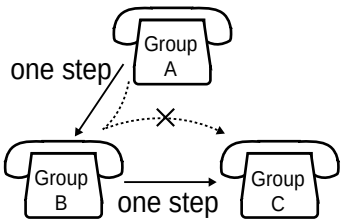
◆ ***To cancel (contd.)***

T7536 / T7235

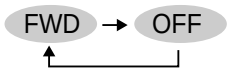


* FDN (Floating Directory Number):
Virtual extension number assigned to a group of extensions, such as an Incoming group, to make it appear as a real extension.

- A call can only be forwarded to one target group. For example, Group A's call is forwarded to Group B. Group B's call is forwarded to Group C. A call to Group A is forwarded to Group B, but the call would not be forwarded directly to Group C from Group A.



- While setting, you can temporarily cancel this feature by pressing the Group FWD button. Pressing Group FWD button alternates between setting and cancelling the mode.



- The Group FWD button light shows the current status as follows:

  Off: This feature is not set.
  Red on: Group FWD mode

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4.1 Customising Your Phone (Station Programming)

- 4.1.2 Customising the Buttons
  Create or re-arrange a Group FWD button.

4.3 Customising Your System (User Programming)

- 4.3.5 Flexible CO Button Assignment (005)

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Section 3

Operator/Manager Operation

This chapter shows the Operators and the Manager how to control the extensions and the system. Your system supports a group of operators and one manager.

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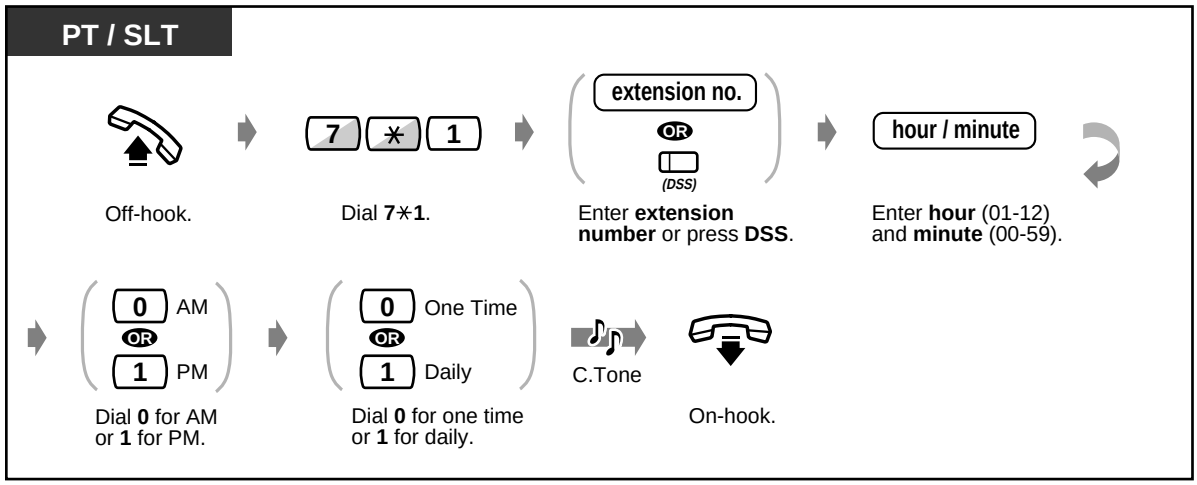
3.1 Extension Control

3.1.1 Setting the Alarm for Other Extensions (Remote Timed Reminder (Wake-Up Call))

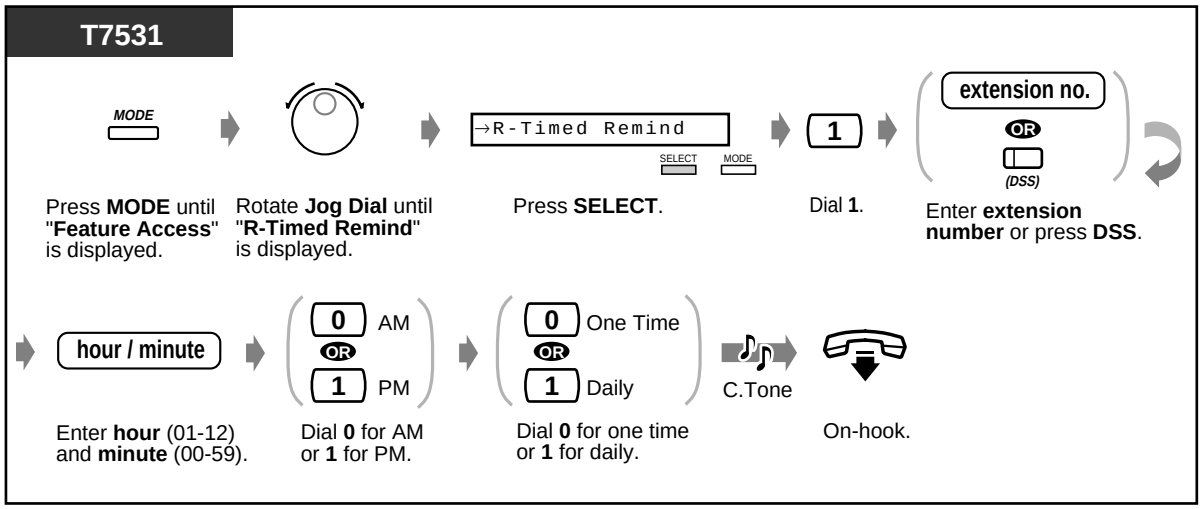
The Manager and the Operators can remotely set or cancel the Timed Reminder feature to any extension.

◆ ***To set***

PT / SLT



T7531



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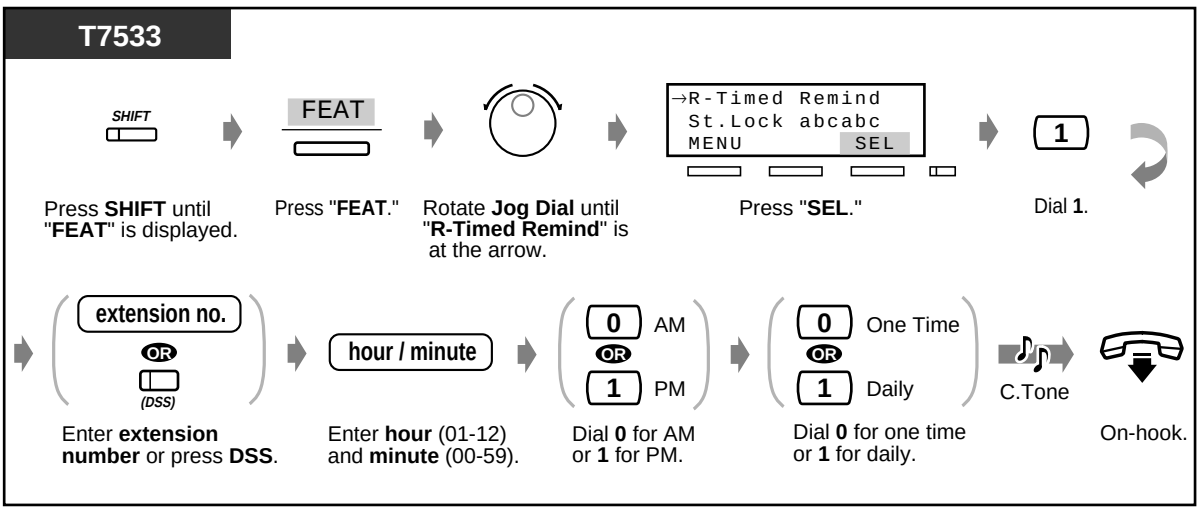
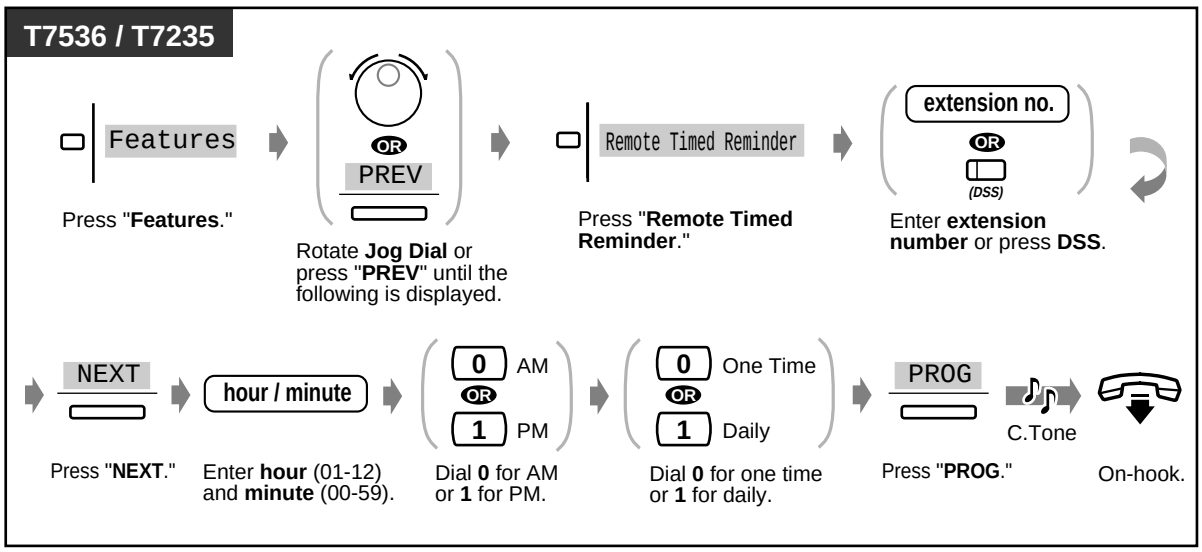
◆ *To set (contd.)*

T7533

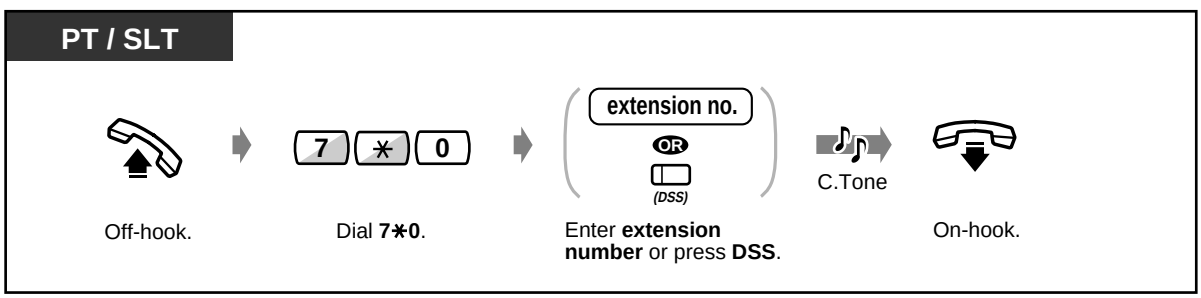


T7536 / T7235



◆ *To cancel*

PT / SLT



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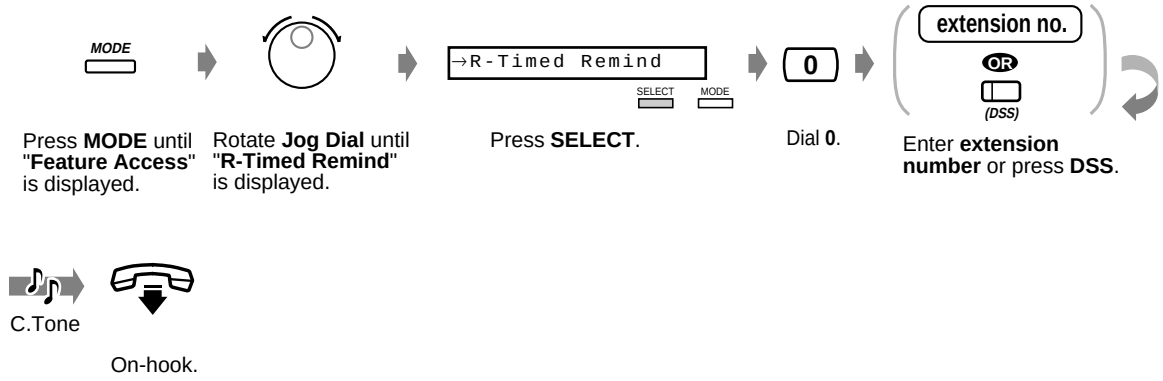
◆ ***To cancel (contd.)***

T7531



Press **MODE** until "**Feature Access**" is displayed.

Rotate **Jog Dial** until "**R-Timed Remind**" is displayed.

Press **SELECT**.

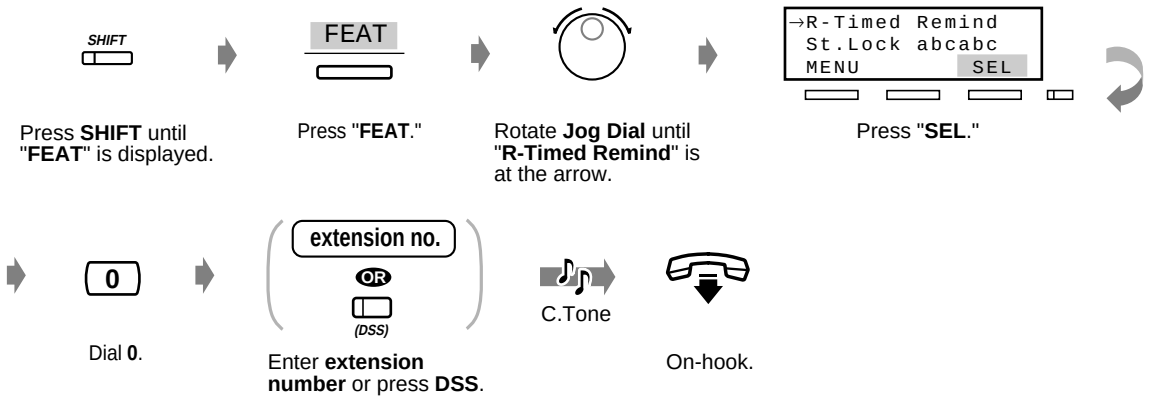
Dial **0**.

Enter **extension number** or press **DSS**.

C.Tone

On-hook.

T7533



Press **SHIFT** until "**FEAT**" is displayed.

Press "**FEAT**."

Rotate **Jog Dial** until "**R-Timed Remind**" is at the arrow.

Press "**SEL**."

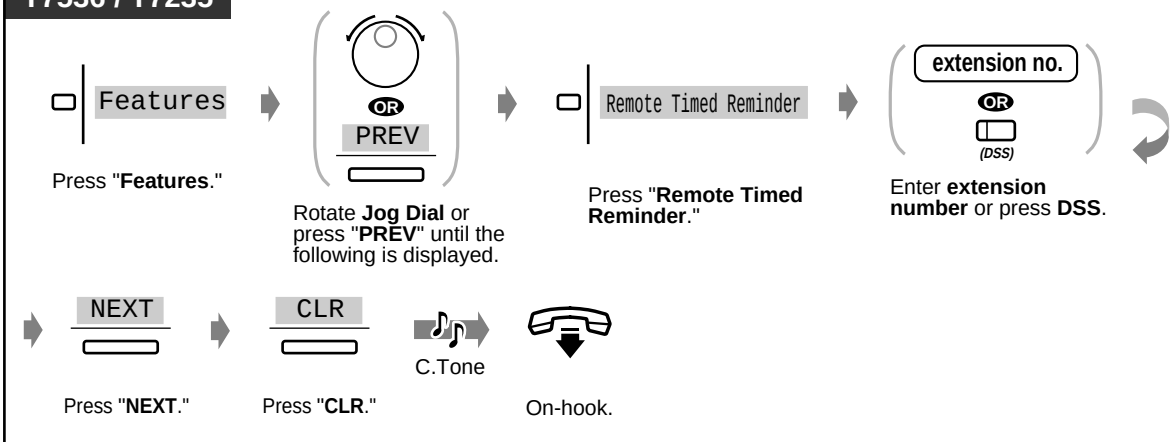
Dial **0**.

Enter **extension number** or press **DSS**.

C.Tone

On-hook.

T7536 / T7235



Press "**Features**."

Rotate **Jog Dial** or press "**PREV**" until the following is displayed.

Press "**Remote Timed Reminder**."

Enter **extension number** or press **DSS**.

Press "**NEXT**."

Press "**CLR**."

C.Tone

On-hook.

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◆ ***To view the setting***

Display PT

Off-hook. Dial **7✳2**. Enter **extension number** or press **DSS**. On-hook.

- A voice message can be recorded by an Operator or the Manager if required. (Please refer to "3.2.2 Recording Outgoing Messages.")
- The alarm rings three times (30 seconds each) at 60-second intervals (Default).
- There is no limit for the number of the extensions who can set the alarm at the same time.
- SMDR (Station Message Detail Recording) records the detailed Timed Reminder information and prints it out automatically when the Timed Reminder starts and it is answered or not answered. This can be enabled or disabled by System Programming.

- **If the daily alarm is set,** the display shows "*" beside AM/PM.

```
Alarm   10:10AM*
```


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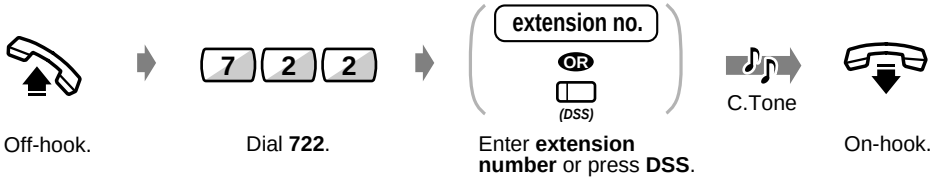
3.1.2 Setting or Cancelling the DND Feature to Other Extensions (Remote DND Control)

The Manager and the Operators can set or cancel the DND (Do Not Disturb) feature to other extensions.

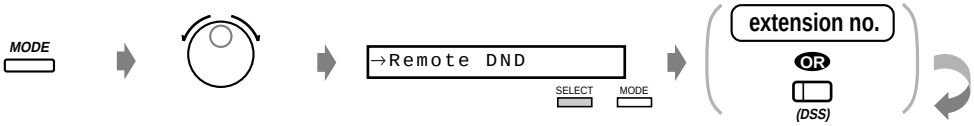
◆ ***To set/cancel***

PT / SLT

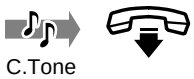


Off-hook. Dial **722**. Enter **extension number** or press **DSS**. C.Tone. On-hook.

T7531

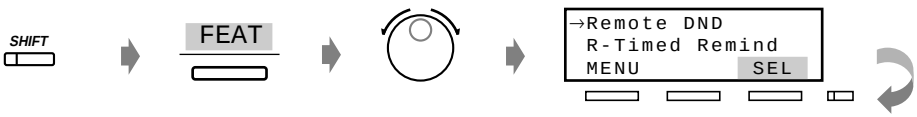


Press **MODE** until "**Feature Access**" is displayed. Rotate **Jog Dial** until "**Remote DND**" is displayed. Press **SELECT**. Enter **extension number** or press **DSS**.

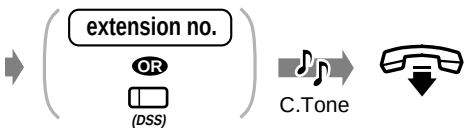


On-hook.

T7533



Press **SHIFT** until "**FEAT**" is displayed. Press "**FEAT**." Rotate **Jog Dial** until "**Remote DND**" is at the arrow. Press "**SEL**."



Enter **extension number** or press **DSS**. On-hook.

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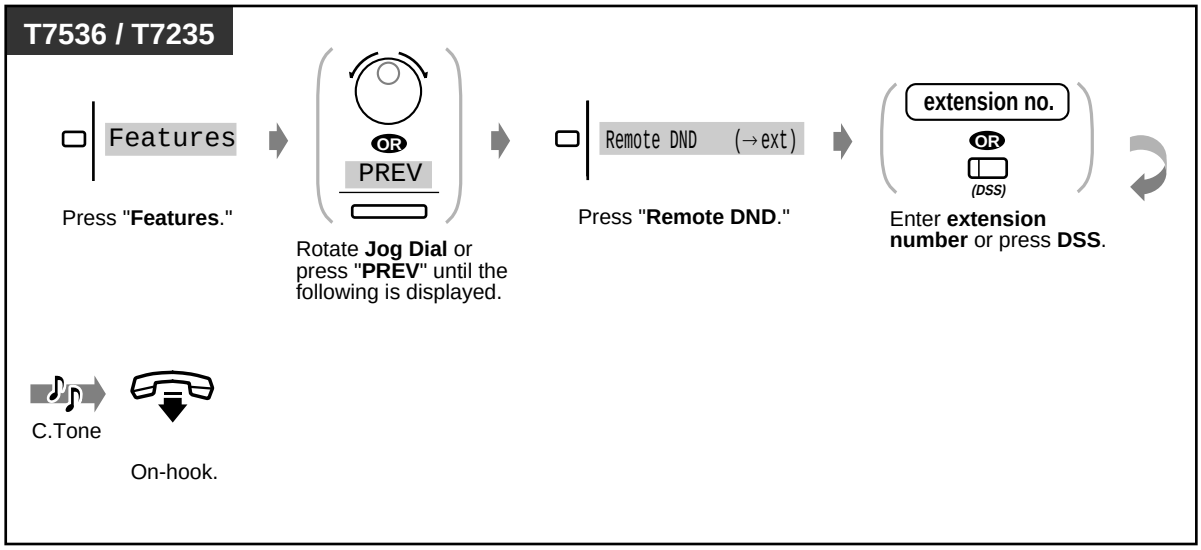
◆ ***To set/cancel (contd.)***



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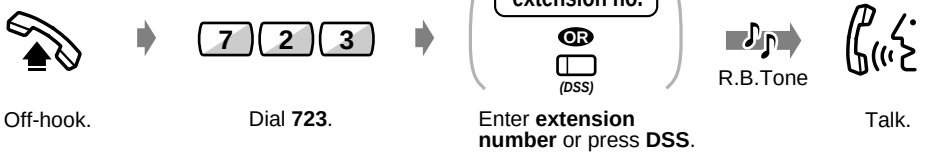
3.1.3 Calling the Extension that has set Call Forwarding (Remote FWD Cancel—Once)

The Manager and the Operators can ring the extension that has set FWD (Call Forwarding) feature.

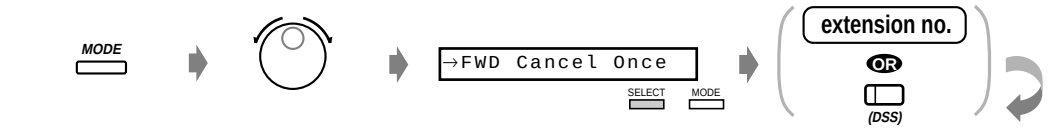
◆ ***To cancel Call Forwarding temporarily***

PT / SLT

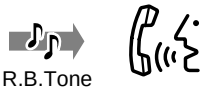


Off-hook. Dial **723**. Enter **extension number** or press **DSS**. R.B.Tone. Talk.

T7531

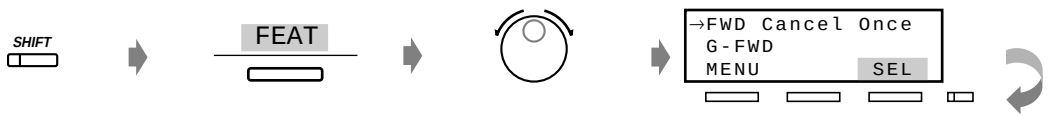


Press **MODE** until "**Feature Access**" is displayed. Rotate **Jog Dial** until "**FWD Cancel Once**" is displayed. Press **SELECT**. Enter **extension number** or press **DSS**.

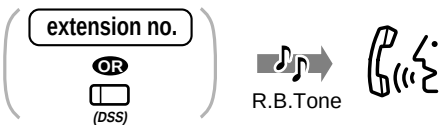


R.B.Tone. Talk.

T7533



Press **SHIFT** until "**FEAT**" is displayed. Press "**FEAT**." Rotate **Jog Dial** until "**FWD Cancel Once**" is at the arrow. Press "**SEL**."



Enter **extension number** or press **DSS**. Talk.

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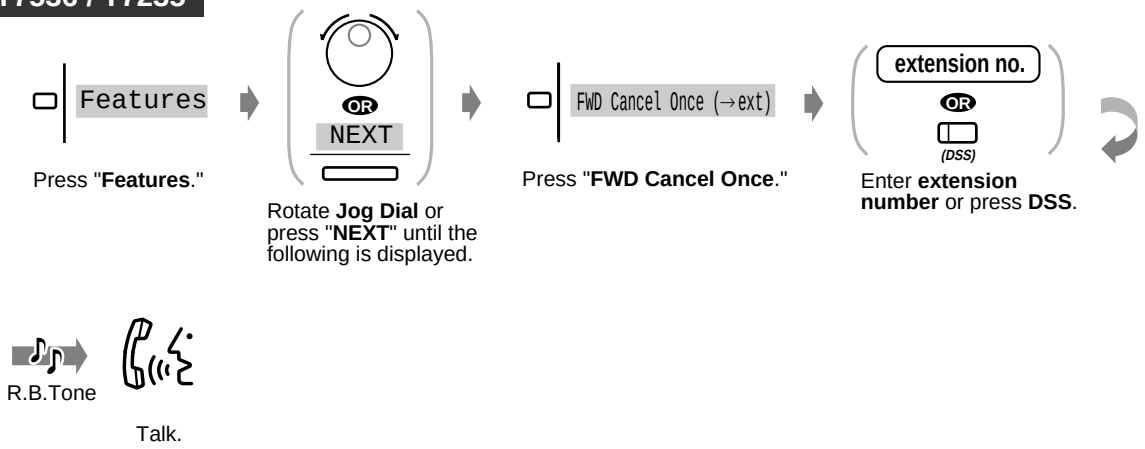
◆ *To cancel Call Forwarding temporarily (contd.)*

T7536 / T7235



Press "**Features**."

Rotate **Jog Dial** or press "**NEXT**" until the following is displayed.

Press "**FWD Cancel Once**."

Enter **extension number** or press **DSS**.

R.B.Tone

Talk.

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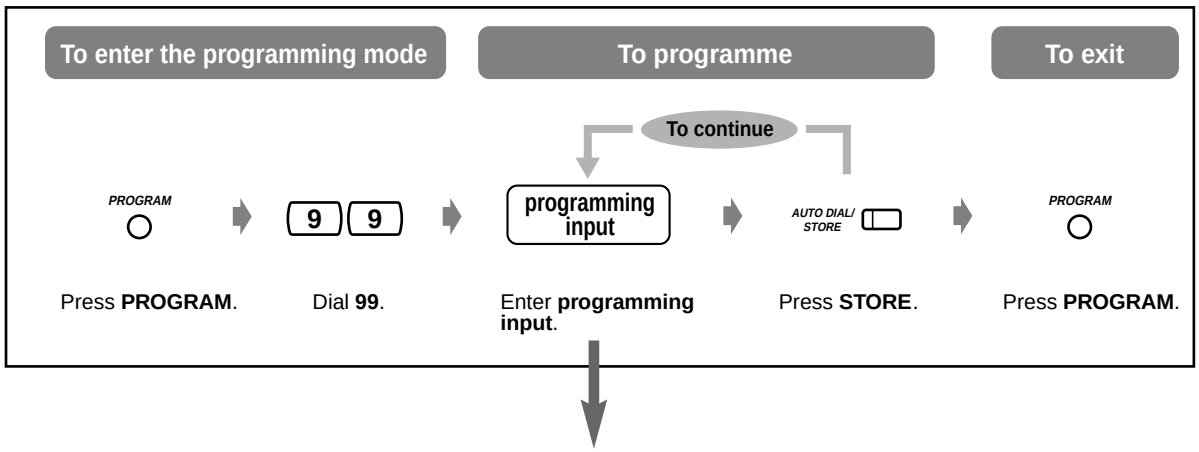
3.1.4 Changing the Settings (Station Programming)



Item	Programming Input
Unlocking or locking any extension **(Remote Station Lock Control)**	0 1 **extension no.*** X X= 1 : Unlock 2 : Lock outside calls 3 : Lock intercom calls except operator call
Unlocking the call log **(Incoming Call Log Lock Control)**	0 2 **extension no.***
Clearing the Live Call Screening Password **(Live Call Screening Password Control)**	0 3 **extension no.***

***To assign all extensions**, press the "✳" key.

- If the PROGRAM button is not provided on your PT, please use the PAUSE button instead of the PROGRAM button.

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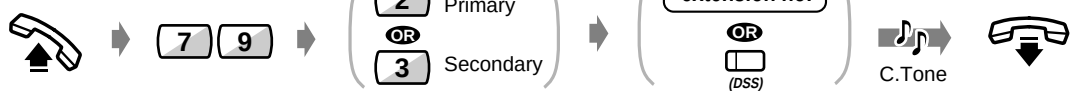
3.1.5 Changing Service Level of Extensions (Switching COS)

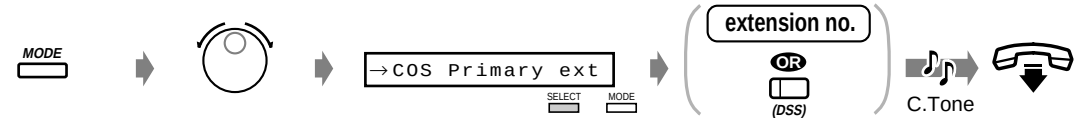
You can assign either primary or secondary level of service for each extension.

PT / SLT



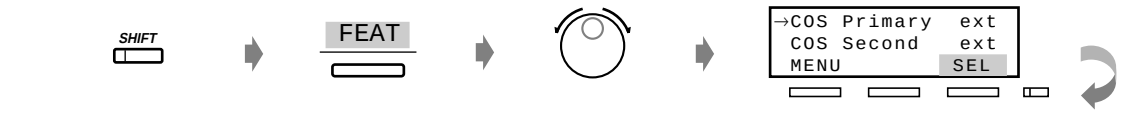
Off-hook. Dial **79**. Dial **2** for primary or **3** for secondary. Enter **extension number** or press **DSS**. C.Tone. On-hook.

T7531

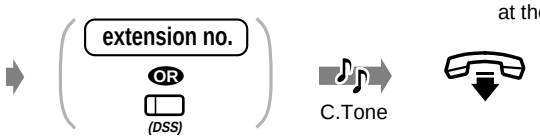


Press **MODE** until "**Feature Access**" is displayed. Rotate **Jog Dial** until "**COS Primary**" or "**COS Second**" is displayed. Press **SELECT**. Enter **extension number** or press **DSS**. C.Tone. On-hook.

T7533



Press **SHIFT** until "**FEAT**" is displayed. Press "**FEAT**." Rotate **Jog Dial** until "**COS Primary**" or "**COS Second**" is at the arrow. Press "**SEL**."



Enter **extension number** or press **DSS**. On-hook.

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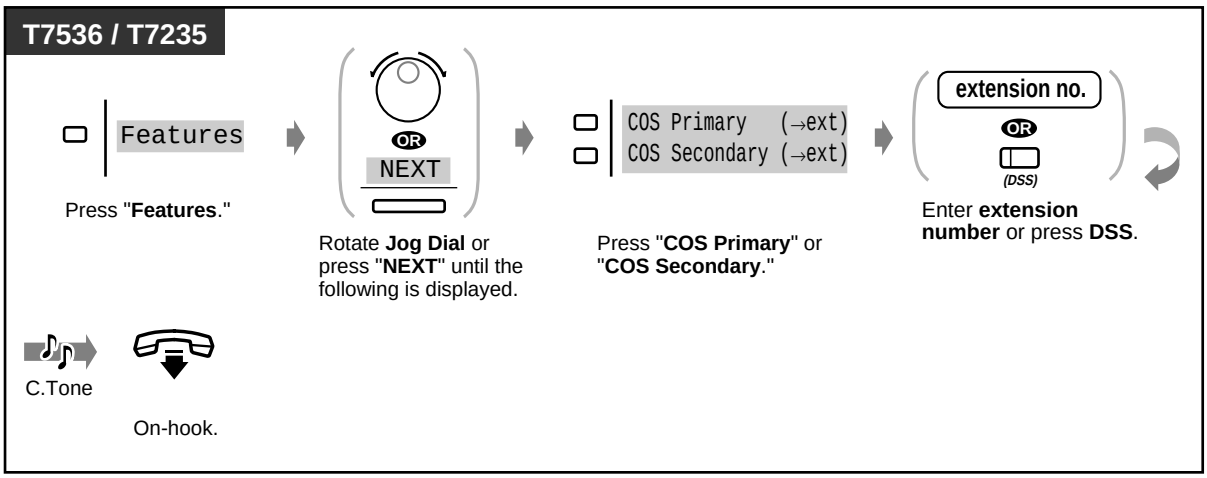

- The Manager and the Operators can also change their own service level.

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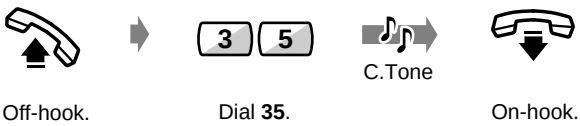
3.2 System Control

3.2.1 Turning on the External Background Music (Background Music [BGM]—External)

The Manager and the Operators can turn on/off the background music (BGM) through external speakers.

PT / SLT

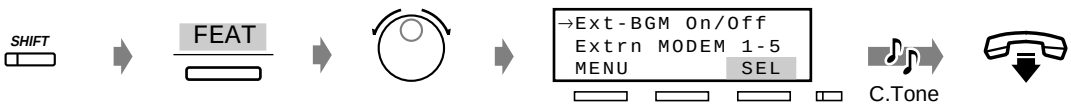


Off-hook. Dial **35**. On-hook.

T7531

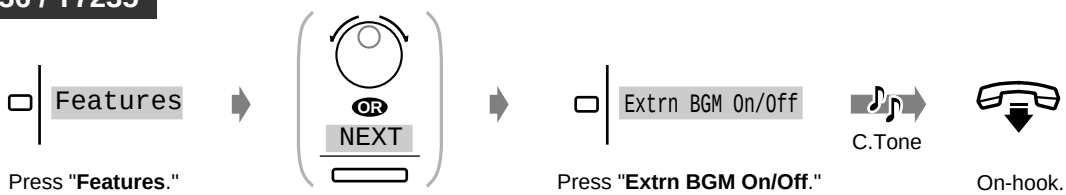
Press **MODE** until "**Feature Access**" is displayed. Rotate **Jog Dial** until "**Ext-BGM On/Off**" is displayed. Press **SELECT**. On-hook.

T7533



Press **SHIFT** until "**FEAT**" is displayed. Press "**FEAT**." Rotate **Jog Dial** until "**Ext-BGM On/Off**" is at the arrow. Press "**SEL**." On-hook.

T7536 / T7235



Press "**Features**." Rotate **Jog Dial** or press "**NEXT**" until the following is displayed. Press "**Extrn BGM On/Off**." On-hook.

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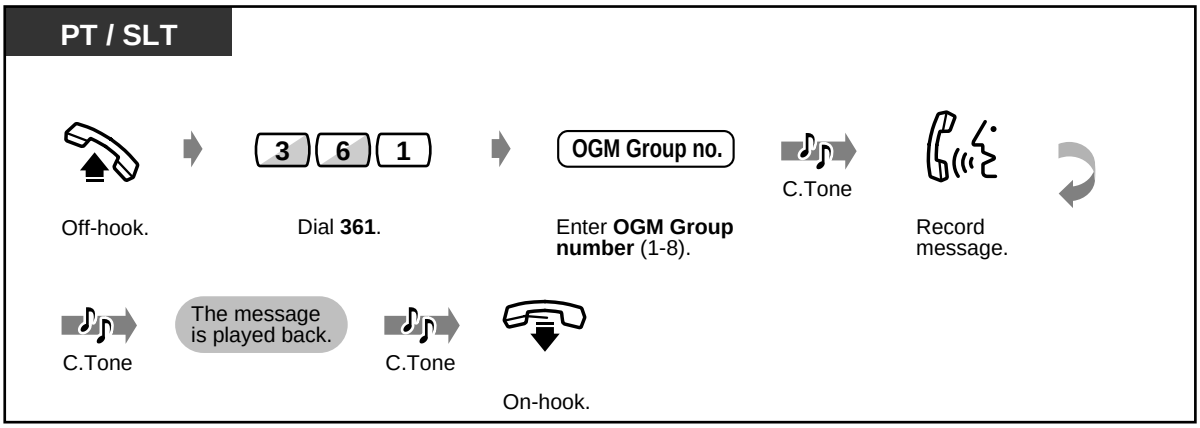
3.2.2 Recording Outgoing Messages

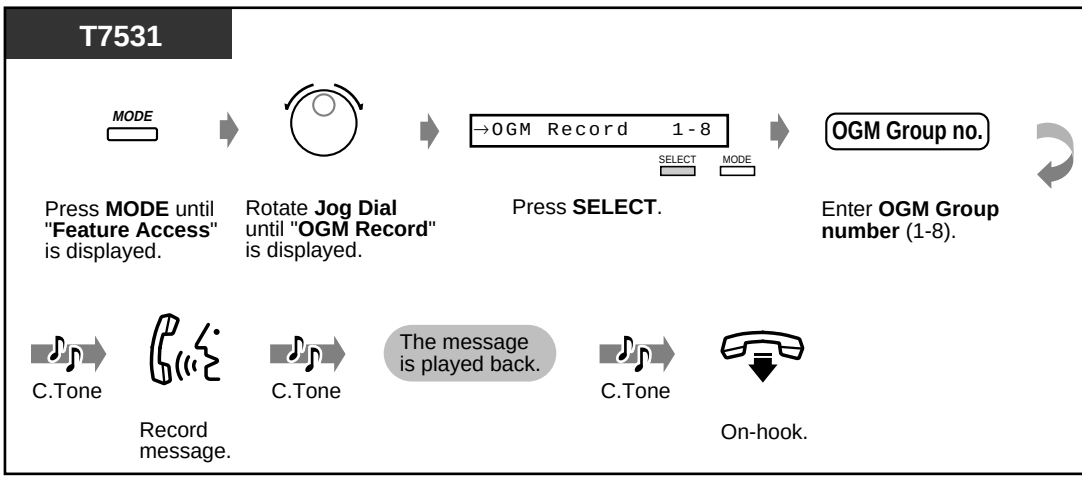
Up to 8 OGM (Outgoing Message) Groups are available in the System and OGM Type for each OGM group is determined by System Programming.
The following three types of Outgoing Messages can be recorded and played back:
DISA message: Used as the greeting message or guidance when an external party calls your company to access an extension or external party without any operator assistance.
Timed Reminder (Wake-up) message: Often used as a wake-up message which is played when answering the Timed Reminder alarm.
UCD (Uniform Call Distribution) message: This message is played when an outside caller to a UCD group cannot reach any UCD group member.

◆ ***To record***

PT / SLT



T7531



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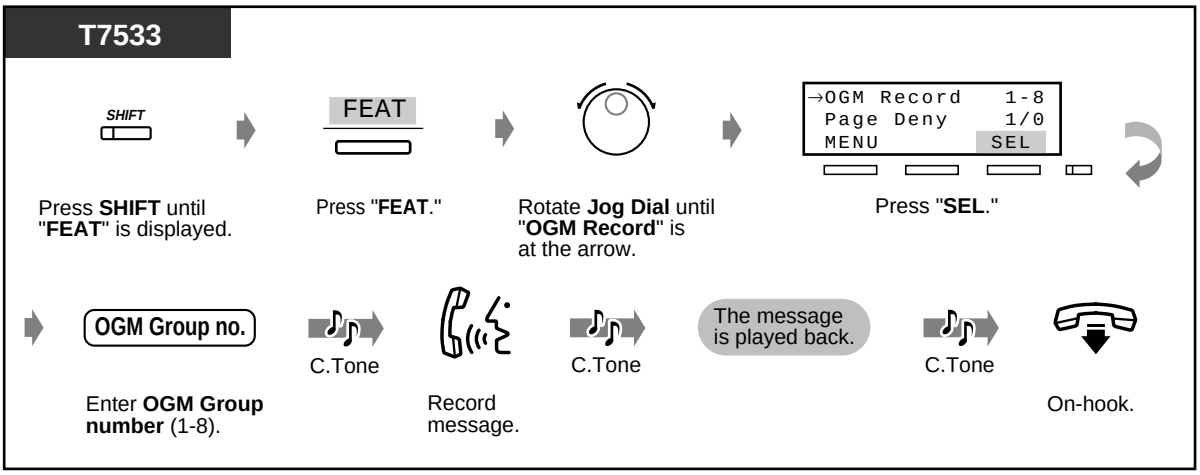
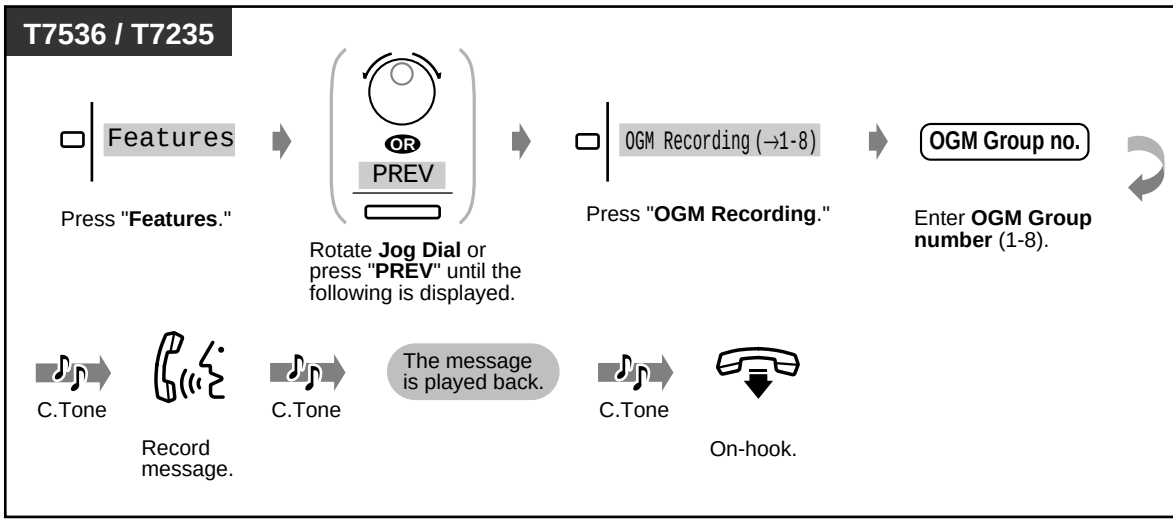
◆ *To record (contd.)*

T7533

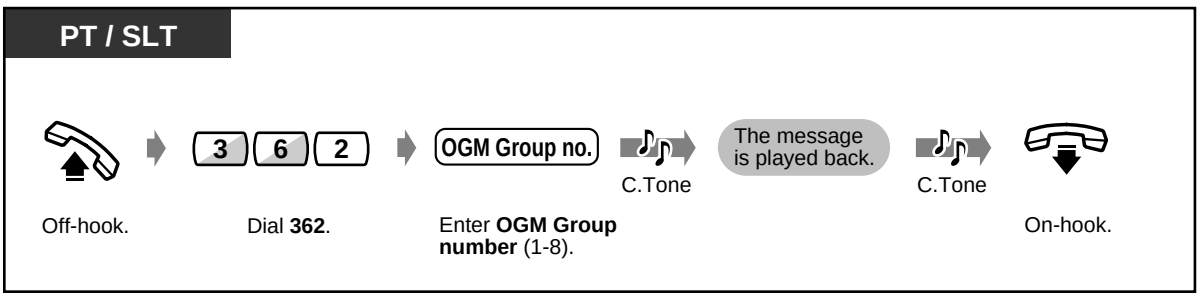


T7536 / T7235



◆ *To play back*

PT / SLT



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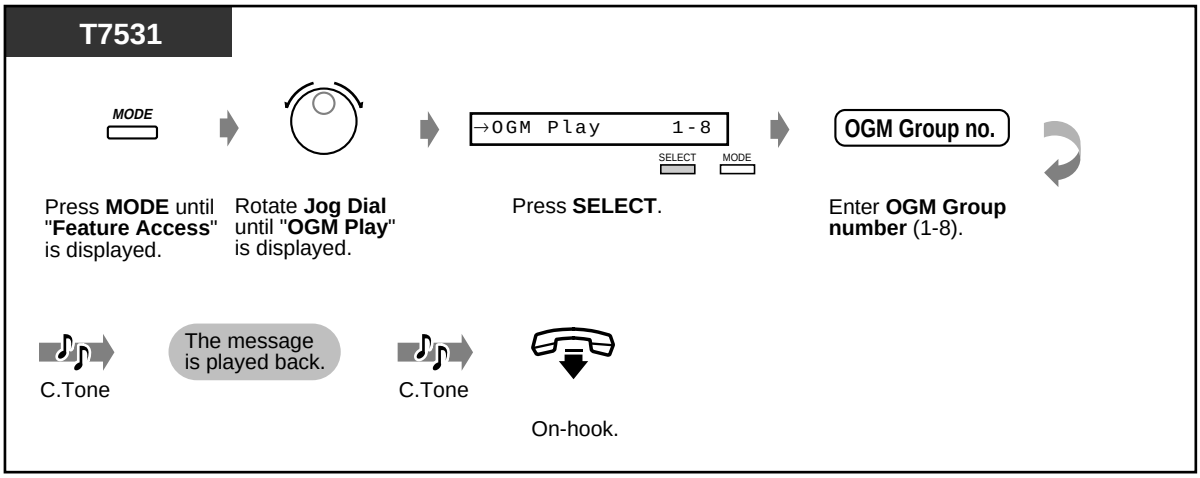
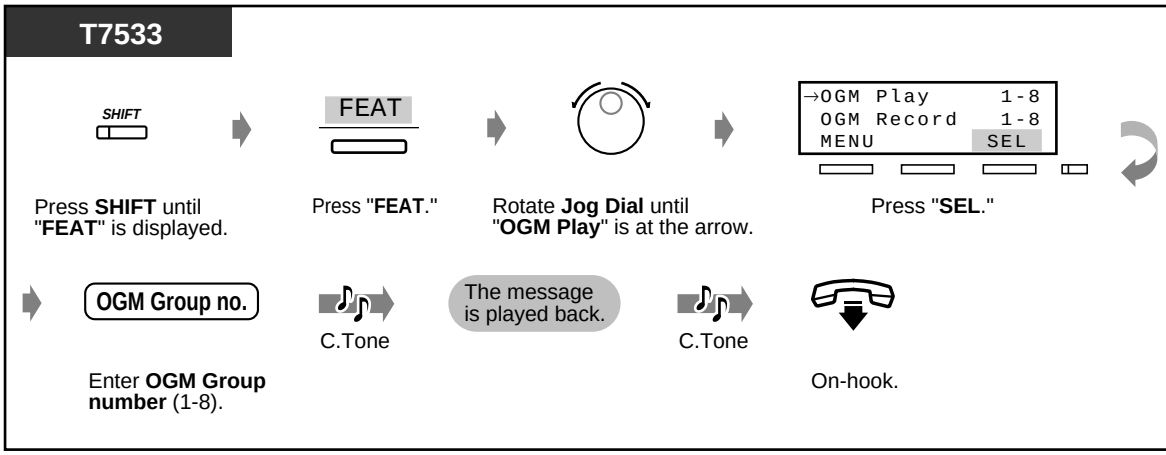
◆ ***To play back (contd.)***

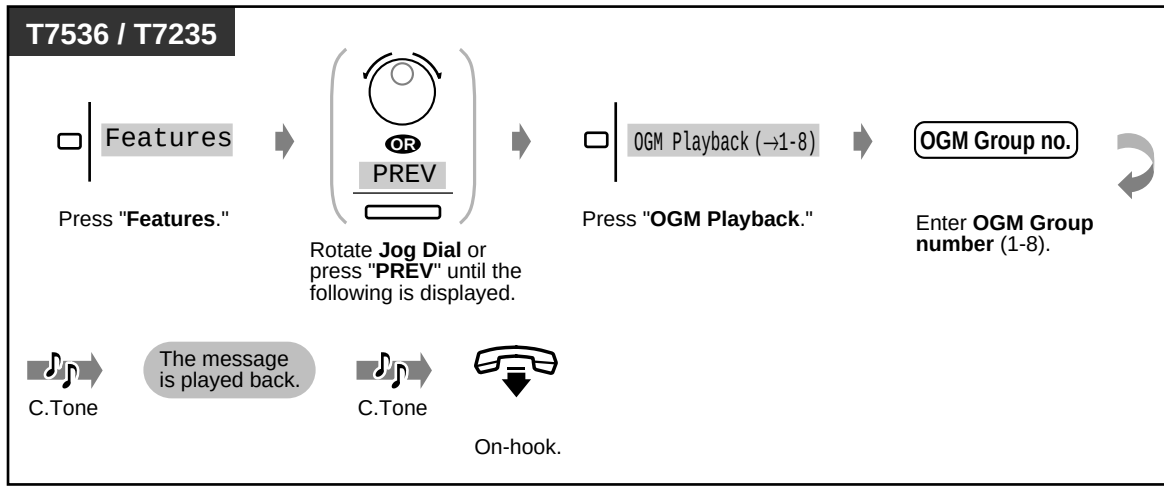
T7531



T7533



T7536 / T7235



- **To stop recording or playing back,** press the AUTO DIAL/STORE button.
- **Message recording limit**
  A maximum recording time for each OGM is 30 seconds.

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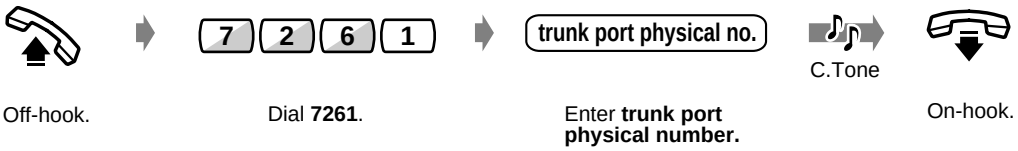
3.2.3 Trunk Busy-out Setting

The Manager and the Operators can busy out a trunk.

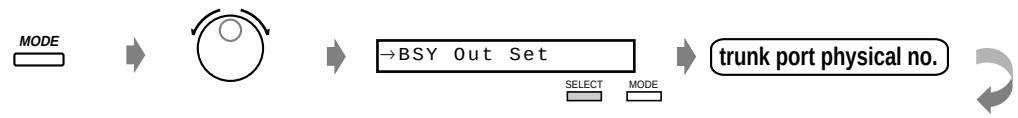
◆ ***To set***

PT / SLT

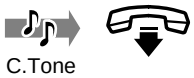


Off-hook. Dial **7261**. Enter **trunk port physical number.** On-hook.

T7531

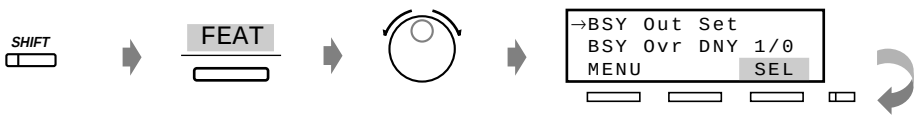


Press **MODE** until "**Feature Access**" is displayed. Rotate **Jog Dial** until "**BSY Out Set**" is displayed. Press **SELECT**. Enter **trunk port physical number**.

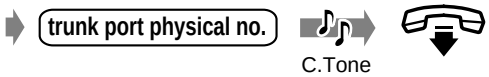


On-hook.

T7533



Press **SHIFT** until "**FEAT**" is displayed. Press "**FEAT**." Rotate **Jog Dial** until "**BSY Out Set**" is at the arrow. Press "**SEL**."



Enter **trunk port physical number**. On-hook.

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◆ *To set (contd.)*

T7536 / T7235

Press "**Features**."

Press "**BSY Out Set**."

Enter **trunk port physical number**.

On-hook.

◆ *To cancel*

PT / SLT

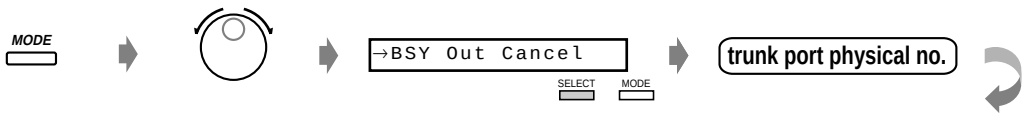
Off-hook.

Dial **7260**.

Enter **trunk port physical number**.

On-hook.

T7531

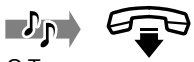


Press **MODE** until "**Feature Access**" is displayed.

Rotate **Jog Dial** until "**BSY Out Cancel**" is displayed.

Press **SELECT**.

Enter **trunk port physical number**.



On-hook.

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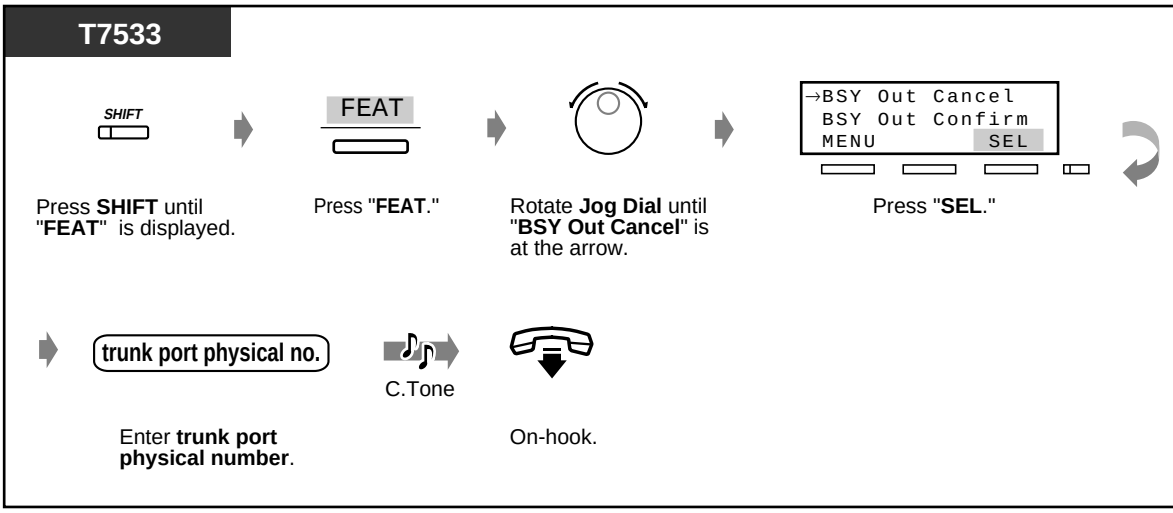
◆ *To cancel (contd.)*

T7533



Press **SHIFT** until "**FEAT**" is displayed.

Press "**FEAT**."

Rotate **Jog Dial** until "**BSY Out Cancel**" is at the arrow.

Press "**SEL**."

Enter **trunk port physical number**.

On-hook.

T7536 / T7235

Press "**Features**."

Press "**BSY Out Cancel**."

Enter **trunk port physical number**.

On-hook.

◆ *To confirm*

PT

Off-hook.

Dial **7262**.

Enter **trunk port physical number**.

On-hook.

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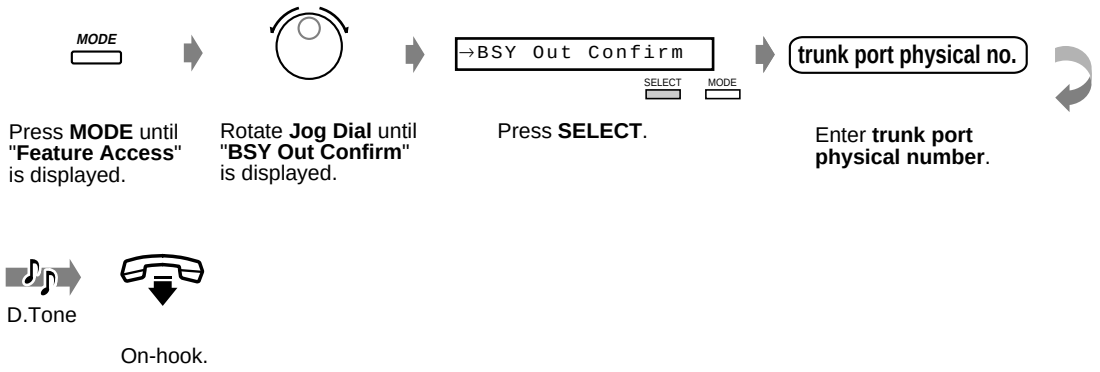
◆ ***To confirm (contd.)***

T7531



Press **MODE** until "**Feature Access**" is displayed.

Rotate **Jog Dial** until "**BSY Out Confirm**" is displayed.

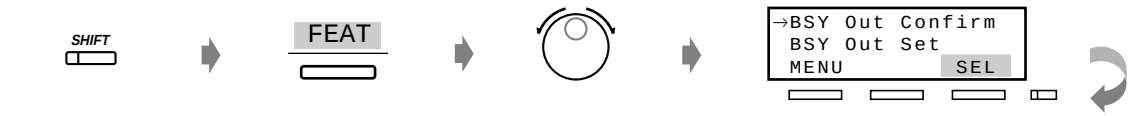
Press **SELECT**.

Enter **trunk port physical number**.

D.Tone

On-hook.

T7533

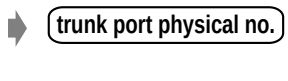


Press **SHIFT** until "**FEAT**" is displayed.

Press "**FEAT**."

Rotate **Jog Dial** until "**BSY Out Confirm**" is at the arrow.

Press "**SEL**."



Enter **trunk port physical number**.

D.Tone

On-hook.

T7536 / T7235

Press "**Features**."

Press "**BSY Out Confirm**."

Enter **trunk port physical number**.

D.Tone

On-hook.

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3.2.4 Trunk Route Control

The Manager and the Operators can verify the status of the specified trunk.

◆ ***To set***

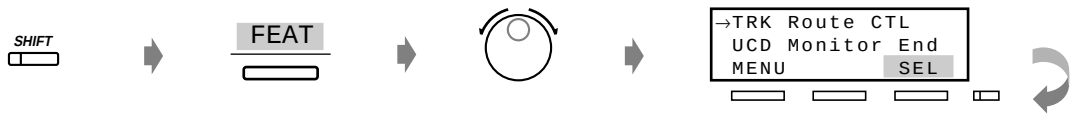
PT / SLT

Off-hook. Dial **724**. Enter **trunk port physical number**.

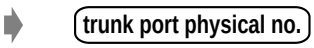
T7531

Press **MODE** until "**Feature Access**" is displayed. Rotate **Jog Dial** until "**TRK Route CTL**" is displayed. Press **SELECT**. Enter **trunk port physical number**.

T7533



Press **SHIFT** until "**FEAT**" is displayed. Press "**FEAT**." Rotate **Jog Dial** until "**TRK Route CTL**" is at the arrow. Press "**SEL**."



Enter **trunk port physical number**.

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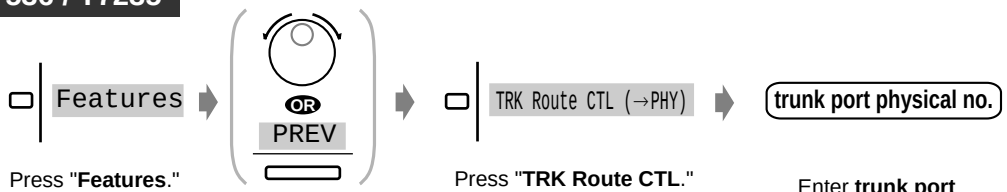
◆ ***To set (contd.)***

T7536 / T7235



Press "**Features**."

Rotate **Jog Dial** or press "**PREV**" until the following is displayed.

Press "**TRK Route CTL**."

Enter **trunk port physical number**.

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3.2.5 Displaying a System Error Message (Local Alarm Indication) [Manager only]

If a system error is detected during on-line communication mode, the Alarm light on the Manager extension turns red. The Manager can confirm the error message by pressing the red lit Alarm button. If a major error occurs, minor errors will be neglected and only the first major error message will be displayed. The second error will be neglected, if the error priority is the same as the first one. Please refer to Section 5 "Troubleshooting" in the Installation Manual for the detailed information on error messages.

◆ *To display a system error message*

PT

When the Alarm button turns red

(Alarm)

Press **Alarm**.

◆ *To clear the system error message*

PT

While the alarm indication is displayed

(Alarm)

Press **Alarm**.

- If multiple errors are generated at a time, only the error with the highest priority will be displayed by pressing the red lit Alarm button.

4.1 Customising Your Phone (Station Programming)
- 4.1.2 Customising the Buttons
  Create or re-arrange an Alarm button.

4.3 Customising Your System (User Programming)
- 4.3.5 Flexible CO Button Assignment (005)

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Error Message List (Priority order)

Error Message	Description	Priority	Alarm LED
ERR CLCK IC	Calendar IC failure	1	A
ERR DC DOWN	DC power down	1	B
B/S FAN FLT!	Basic shelf fan alarm	1	E
E/S1 FAN FLT!	Expansion shelf 1 fan alarm	1	E
E/S2 FAN FLT!	Expansion shelf 2 fan alarm	1	E
B/S OVER HEAT!	Basic shelf heat alarm	1	E
E/S1 OVER HEAT!	Expansion shelf 1 heat alarm	1	E
E/S2 OVER HEAT!	Expansion shelf 2 heat alarm	1	E
ERR TSW DWN	TSW clock down	1	B
ERR BAT ALM	CPU RAM battery alarm	1	A
ERR AC DOWN	AC power down	2	B
ERR xyy CRD ERR	Option Card failure	2	A
ERR xyy DISCNCT	Card disconnect	2	B
ERR xyy DTR AIS	Digital trunk AIS reception	2	D*1
ERR xyy DTR FRM	Digital trunk frame failure	2	D*1
ERR xyy DTR RAI	Digital trunk RAI reception	2	D*1
ERR xyy DTR SYC	Digital trunk out of synchronisation	2	D*1
ERR xyy LPR RAM	Option Card RAM failure	2	A
ERR xyy LPR ROM	Option Card ROM failure	2	A
ERR xyyz MODEM	Modem failure	2	A
ERR xyy OGM LOS	DISA OGM is lost	2	C
ERR xyy OPX POW	OPX power failure	2	C
ERR SMDR	Printer is not connected	2	B
ERR xyy DTR MLT	Digital trunk multi frame error	2	D*1
ERR xyy DTR RAT	Digital trunk error rate over	2	D*1
ERR xyy DSP1LNK	DSP-1 link failure	2	D*1
ERR xyy CD FLT	Card status fault	2	A

*1 Regarding the E1/T1 card, please refer to "Reference Guide for E1/T1 Digital Trunk card."

[Legend]

Error Message

x: Shelf Number (1-3)
yy: Slot Number (01-14)
z: Error Number

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Priority

1: Major Error
2: Minor Error

Alarm LED

(When a problem occurs)

A:
LED on PT / Top Shelf / Card.....OFF→ON
B:
LED on PT / Top Shelf.....OFF→ON
C:
LED on PT.....OFF→ON
D:
LED on PT / Card.....OFF→ON

The Alarm light turns red automatically. The corresponding error message is shown on the display PT, if it is idle, by pressing the red lit Alarm button.
If the red lit Alarm button is pressed again, whether the problem is solved or not, the Alarm light goes off and the display PT shows the initial display ("Date" and "Time" or "Self-Extension number").

E:
LED on PT / Top Shelf.....OFF → ON
The Alarm light turns red and the corresponding error message is shown on the display PT automatically, if it is idle. This situation continues until the problem will be solved.

(When the problem is solved)

A/B/C/D:
LED on PT.....ON (no change)
LED on Top Shelf / Card.....ON→OFF
E:
LED on PT / Top Shelf.....ON→OFF

When the problem is solved, the Alarm light goes off and the display PT shows the initial display.

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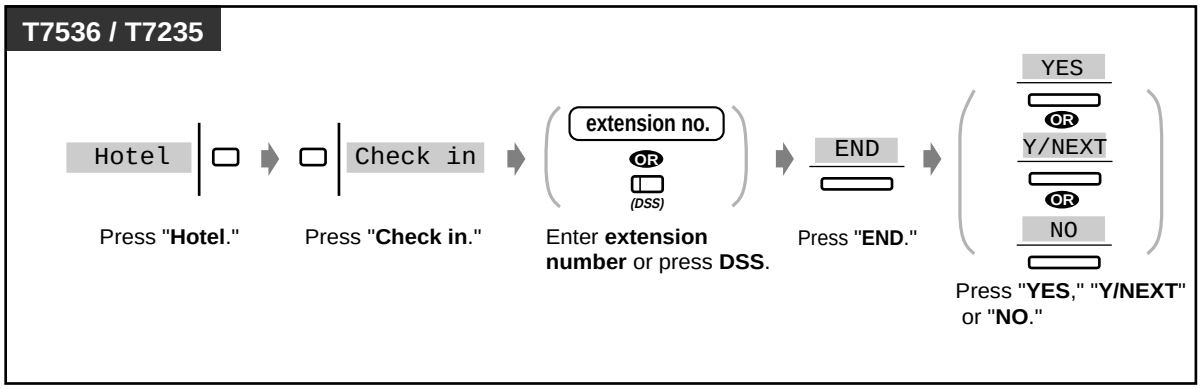
3.2.6 Hotel Use Features (Hotel Application) [KX-T7536, KX-T7235 only]

— Check-in / Check-out
— Setting the timed reminder to other extensions
— Unanswered timed reminder alert
— Printing out guest room information
— Printing out Room Service

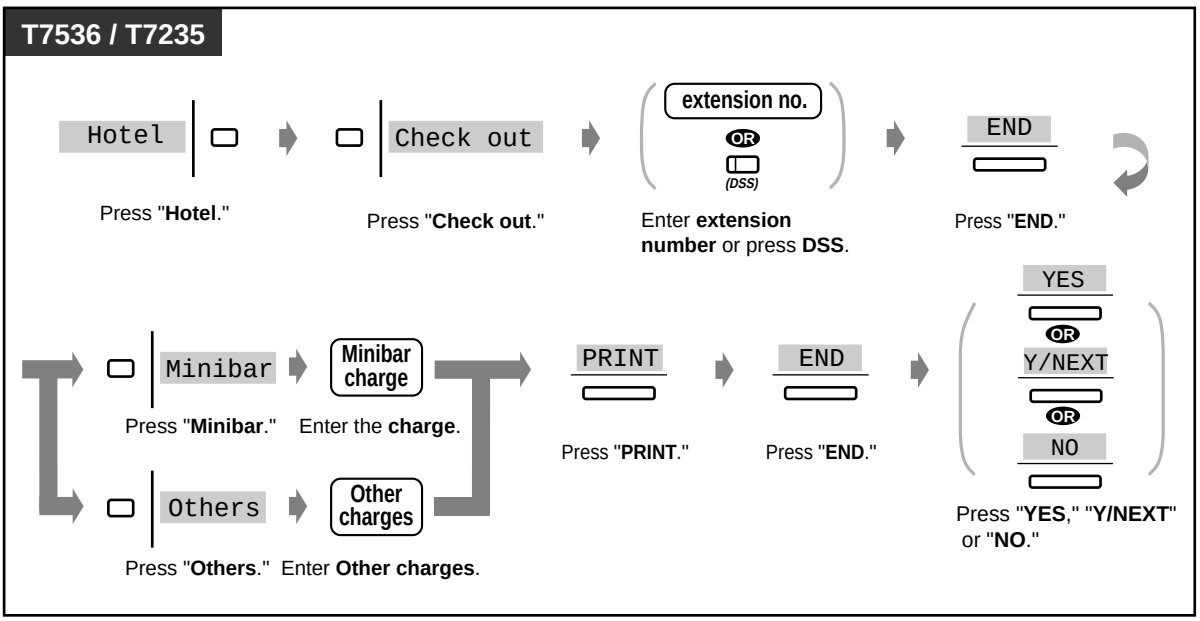
Check-in/Check-out [KX-T7536, KX-T7235 only]

The check-in mode activates the primary service mode and resets the charge counter automatically. The check-out mode activates the secondary service mode and prints out the charge counter, minibar and other expenses. While in the check-in mode, the corresponding DSS button light turns on in red.

To check in



To check out when the printer is connected



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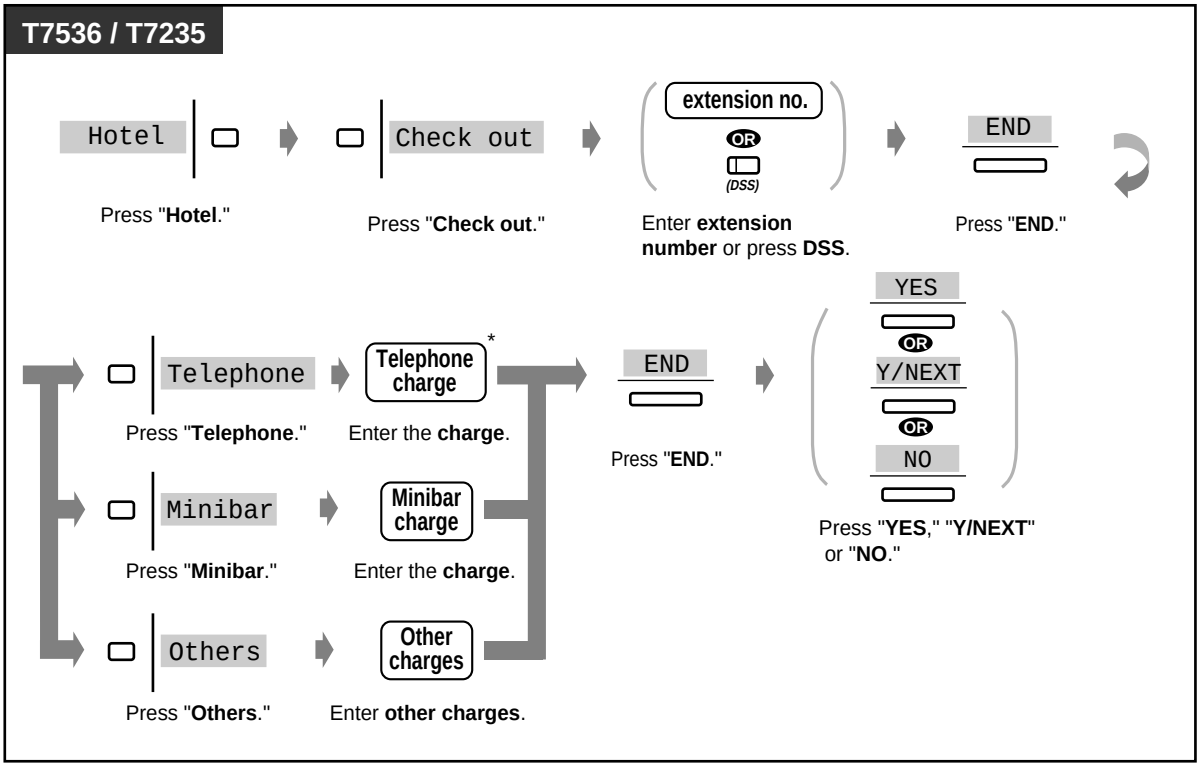
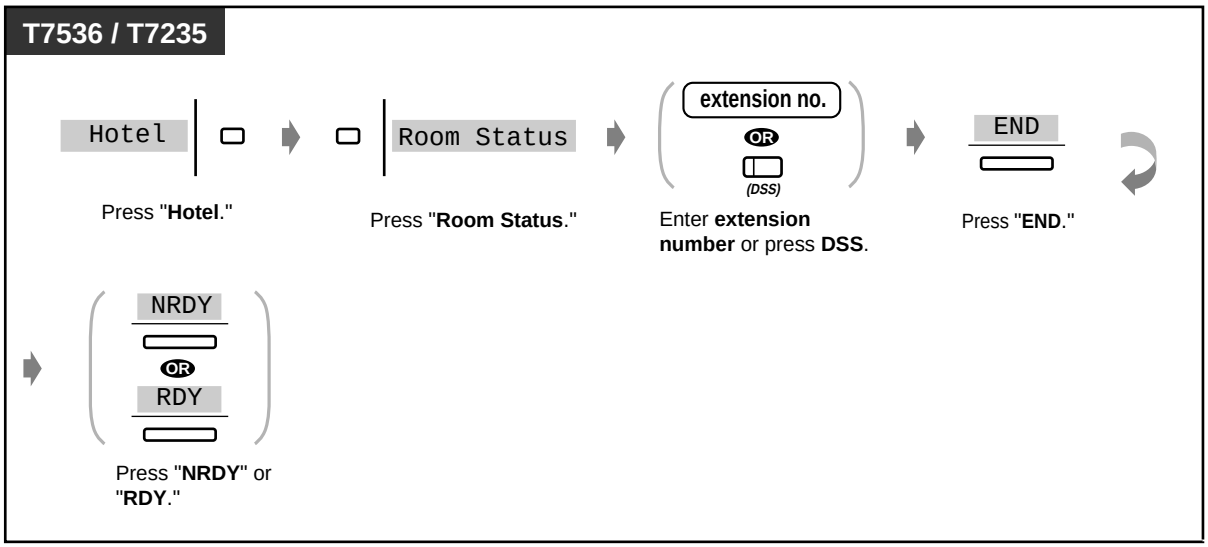
◆ *To check out when the printer is disconnected while confirming the display*



* Telephone charge can be entered only when an SMDR printer is not connected to your system.

◆ *To change the room status (ready/not ready) after check out [Manager/Operator telephone]*



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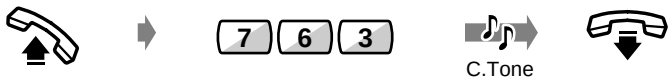
◆ *To change the room status to "ready" after clean-up [guest room telephone]*

PT / SLT



Off-hook. Dial **763**. On-hook.

- It is possible to charge the minibar or other expenses or to change the expenses. In this case, enter the revised charge after pressing the appropriate button.
- There are two types of check-out mode, "ready" or "not ready" (cleaned up or not).
- The check- out operation changes the room status from "check-in" to "check-out (not ready)" mode automatically.
- The system can store check-out information for 4000 calls. If more than 3600 calls are stored, the information of the room which made the most calls is printed out automatically. To distinguish this from formal check-out sheet, "*" is printed after the room number.
  <Example> [Room : 1001**]
  On this room's formal check-out sheet, "Call amount" will show the number of calls which have been printed out beforehand.
  <Example> [01/01/00 12:05 AM 1001 Call amount : 25]
  You can confirm on the telephone display as follows:

<Example>

```
Check out    Room: 1001

Telephone     :00005.75
Minibar       :00025.00
Others        :00012.50


END      PREV      PRINT
```

- When you print out the information, the printer must be connected and it's Flow Control must be assigned to "XON / XOFF."
- The DSS button light shows the current status of the corresponding extension as follows:
  Red on: Check-in
  Off: Check-out (ready)
  Flashing red: Check-out (not ready)

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Data similar to below is printed out.

```
************************************

*              Check Out Sheet              *

************************************

Check in  : JAN.20.00  08:22PM
Check out : FEB.24.00  11:12AM
Room      :1001


02/20/00 11:40AM 10501 4812134          00:12'04    46.23 $
02/21/00 12:25AM 10501 4775678          00:02'03    23.00 $
02/22/00 10:54AM 10501 4905100          00:08'02    30.77 $

Telephone                100.00        (Tax  0.0% =  0.00)
Minibar                   25.00        (Tax 10.0% =  2.50)
Others                    12.50        (Tax 10.0% =  1.25)
------------------------------------------------------------
Total                   $137.50        (Tax Total  =  3.75)
```

- After check-in operation, the telephone in a guest room can be used to make an outside call.
  After check-out operation, the telephone in a guest room cannot be used to make an outside call.
- To inform the message has been left, the Message button light turns on at a telephone in a guest room **(Message Waiting)**.
  If a Voice Processing System is connected to the KX-TD500 System, the caller can leave a voice message in the mailbox provided for the guest room telephone.
- A guest can access to a certain service, such as room service, simply by dialling one digit number **(Quick Dialling)**.
- After check-out, the Manager / an Operator can lock the extension in the guest room to prohibit making unauthorised toll call **(Remote Station Lock Control)**.

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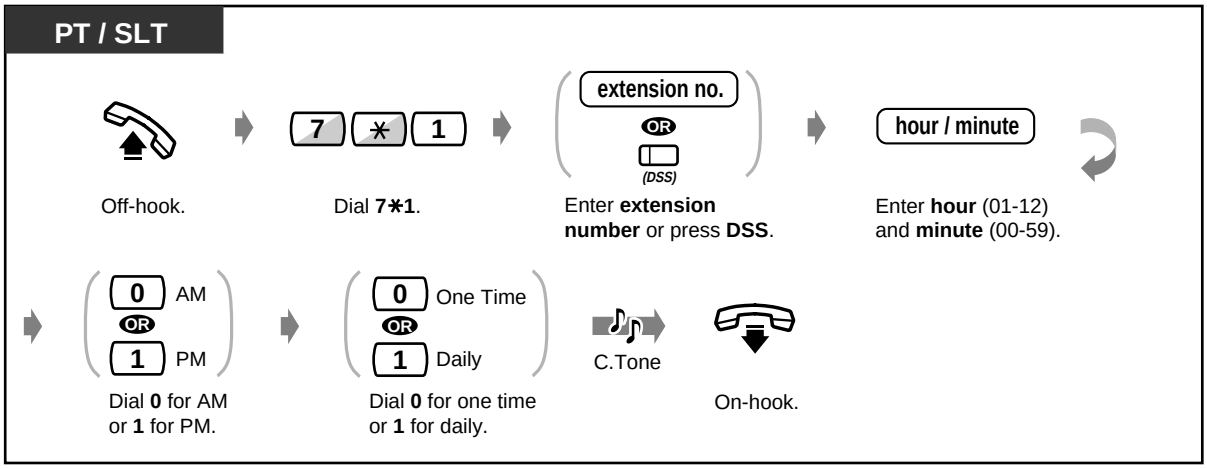
Setting the timed reminder to other extensions (Wake-Up Call)

The Manager and the Operators can remotely set/cancel the timed reminder to any extension desired.

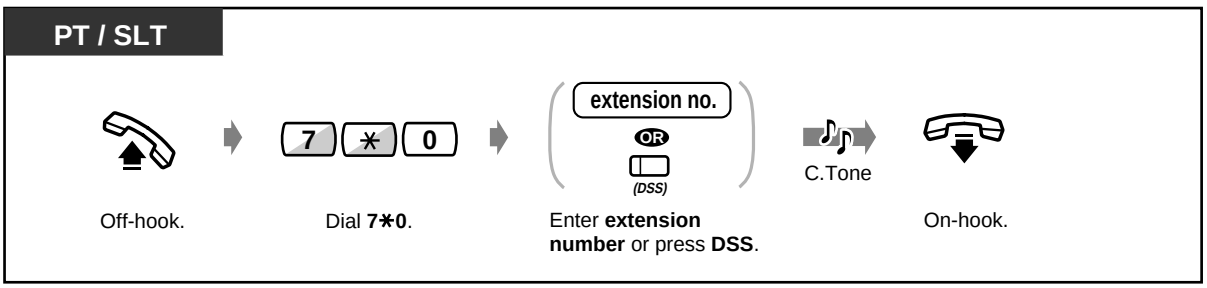
◆ *To set*

PT / SLT



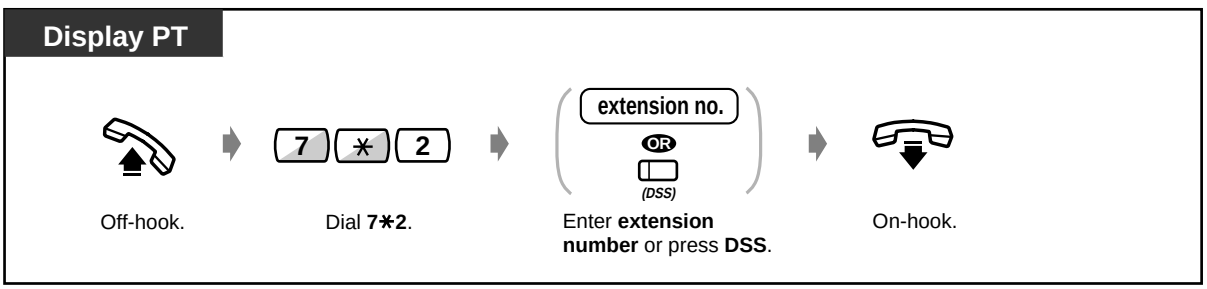
◆ *To cancel*

PT / SLT



◆ *To view the setting*

Display PT



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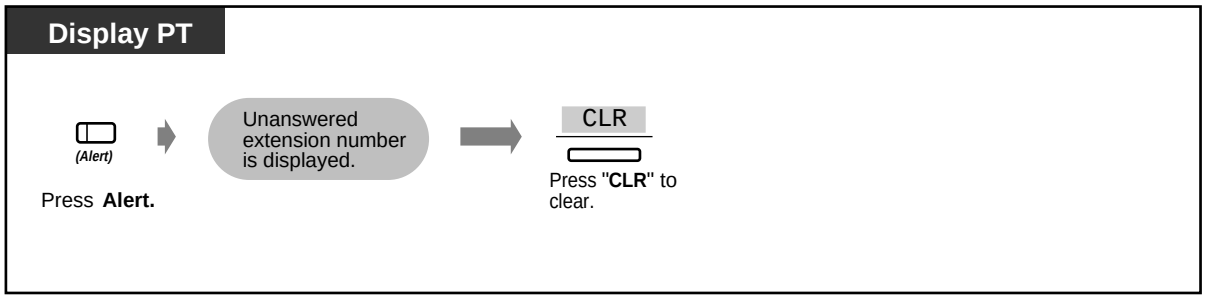
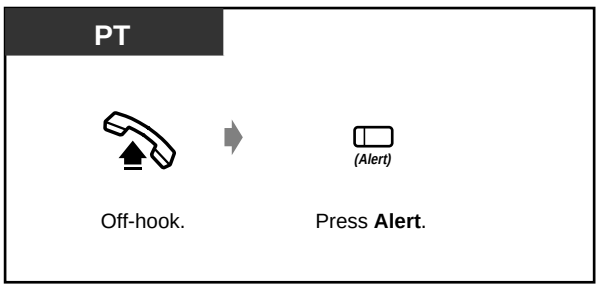
Unanswered timed reminder alert [PT only]

If the guest does not answer a wake-up call, the Alert button (assigned on "Alert Extension") light will turn red. A Timed Reminder alert can also be sent to the alert extension when the Alert button indicator on it is turned on. Pressing the Alert button informs you which extension did not answer the wake-up call.

◆ *To confirm which extension did not answer the timed reminder alert*



◆ *To call the unanswered extension*



- A voice message (wake-up message) can be recorded by the Manager or an Operator, if required. Please refer to "3.2.2 Recording Outgoing Messages."
- The alarm rings three times (30 seconds each) at 60-second intervals (Default).
- SMDR (Station Message Detail Recording) records the detailed Timed Reminder information and prints it out automatically when the Timed Reminder starts and it is answered or not answered. This can be enabled or disabled by System Programming.
- An Alert Extension can be assigned for Day/Night mode respectively per tenant by System Programming.

- **If the daily alarm is set,** the display shows "*" beside AM/PM.

```
Alarm   10:10AM*
```

Customising Your Phone

- 4.1.2 Customising the Buttons
  Create or re-arrange an Alert button.

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Printing out guest room information

Guest room information can be printed out from the telephone in each room. Pre-assigned message numbers 6 through 9 can be used.
<Example>
Message 6: "Cleaned-up"
Message 7: "Minibar $%%%.%"

PT / SLT

Off-hook. Dial **750**. Dial **message number** (6-9). Enter **parameter** if required. On-hook.

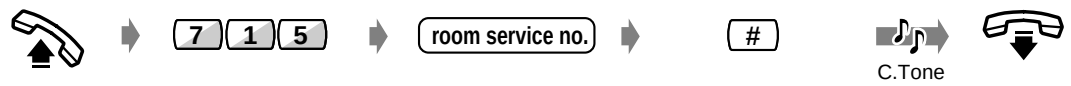
- To utilise this feature, a printer (user-supplied) should be connected to the KX-TD500 System and System Programming is required.
- The operation for this feature is the same as Absent Message Capability except for the message number required.
  If a message number 1, 2, 3, 4, or 5 is dialled, Absent Message Capability is activated.
  If a message number 6, 7, 8 or 9 is dialled, this feature is activated.

Date	Time	T	Ext	CO	Dial Number	Duration Cost:$	Acct code	CC
22/02/00	10:45AM	1	E1001		Cleaned-up			
22/02/00	10:45AM	1	E1001		Minibar $535.5			

Printing out Room Service

The dial number from the telephone in a guest room can be printed out by SMDR.

PT / SLT



Off-hook. Dial **715**. Dial **room service number** (max. 24 digits). Dial #. On-hook.

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- If a room service number "1234567890" is dialled, it is printed out by SMDR as follows:

Date	Time	T	Ext	CO	Dial Number	Duration	Cost:$	Acct code	CC
22/02/00	10:45AM	1	E1001		1234567890				

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Section 4

Customising Your Phone & System

This chapter shows you how to customise your individual telephone or system according to your needs. Find the desired setting and programme as necessary.

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4.1 Customising Your Phone (Station Programming)

If you use a Panasonic Proprietary Telephone (PT) (e.g., KX-T7536), you can customise your telephone functions by entering the Station Programming mode. For example, you can change the initial settings or button functions according to your needs.

- The PROGRAM button is used to enter/exit the Station Programming mode. If the PROGRAM button is not provided on your Proprietary Telephone, please use the PAUSE button instead of the PROGRAM button.
- After moving to a new location in the office, you can use the same extension number and the setting of your previous extension at a new location **(Walking Station)**.

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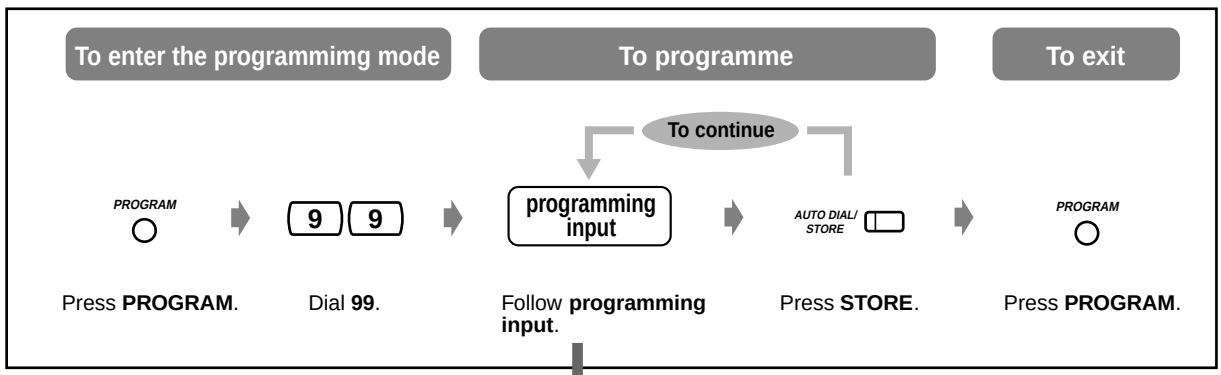
4.1.1 Initial Settings

The original settings are shown in bold letters in the shaded boxes. Find and mark your desired selections for programming.

- If nothing is entered within one minute in the programming mode, the mode returns to the normal call handling mode.
- To exit the programming mode, press the PROGRAM button. The mode returns to the normal call handling mode.



Item	Selection	Programming Input
Which line do you prefer to seize when you go off-hook to make calls? **(Preferred Line Assignment – Outgoing)**	☐ No line	1 1
	☐ An idle line	1 2
	☐ A pre-assigned line	1 3 (PDN) OR (SDN) OR (S-CO) OR (G-CO) OR (L-CO)
	☐ **The Intercom line**	1 3 INTERCOM

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Item	Selection	Programming Input
Which line do you prefer to seize when you go off-hook to receive calls? **(Preferred Line Assignment—Incoming)**	☐ No line	2 1
	☐ **A ringing line**	2 2
	☐ A pre-assigned line	2 3 INTERCOM OR (PDN) OR (SDN) OR (S-CO) OR (G-CO) OR (L-CO)
Which way do you prefer to dial the One-Touch Dialling feature? **(Full One-Touch Dialling Assignment)**	☐ Going Off-hook and then pressing the One-Touch Dialling button	3 1
	☐ **Pressing the One-Touch Dialling button directly.**	3 2
Which way do you prefer to receive an intercom call? **(Intercom Alert Assignment)**	☐ **Ringing**	4 1
	☐ Directly – the party's voice is heard without ringing.	4 2
Do you prefer to distinguish the Call Waiting tone from an outside line and an intercom call? **(Call Waiting Tone Type Selection)**	☐ No. Use the same tone.	5 1
	☐ **Yes. Use a different tone.**	5 2
Which display do you prefer when a CO call is received? **(Initial Display Selection)**	☐ **Caller ID**	8 1 1
	☐ CO line name	8 1 2
	☐ DDI / DID Name	8 1 3
Which language display do you prefer? **(Bilingual Display Selection)***	☐ **English**	8 2 1
	☐ Optional Language	8 2 2
Which equipment will you use as a receiver? (**Handset / Headset Selection)**	☐ **Handset**	9 1
	☐ Headset	9 2
Which voice mail service do you prefer when a caller is recording a message in your mailbox? **(Live Call Screening Mode Set)**	☐ **You can monitor the message recording through the telephone speaker. (Hands-free mode)**	7 1
	☐ Only an alert tone is heard. (Private mode)	7 2

*: With the DPT with a 6-line LCD (KX-T7235, KX-T7536, etc.), Russian cannot be indicated.

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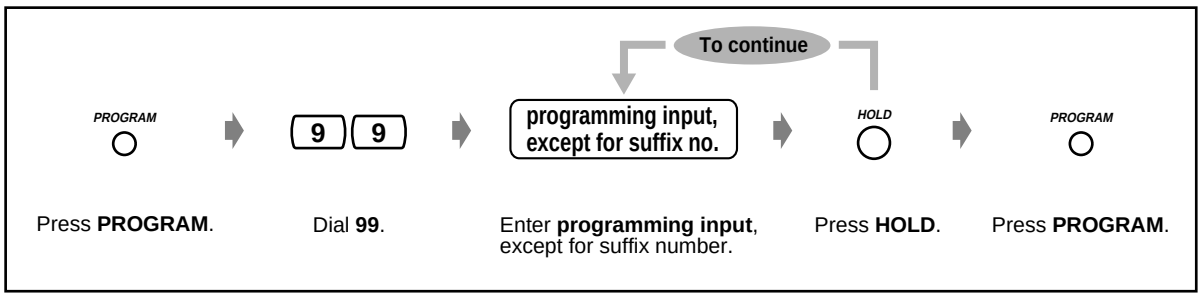
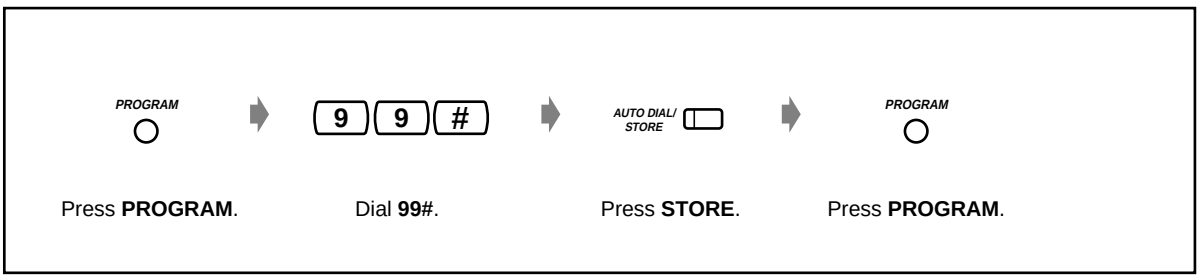
To confirm the current setting



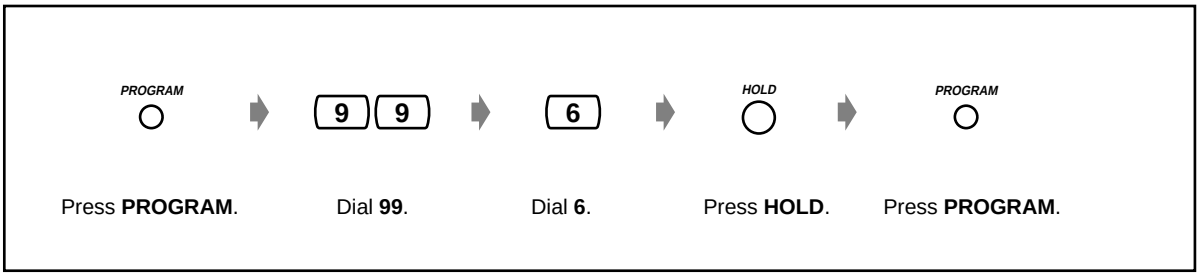
To clear all settings (Station Programming Data Default Set)

You can reset all of the following items assigned by Station Programming to their default settings at once.

- **a)** Full One-Touch Dialling Assignment (default: On)
- **b)** Bilingual Display Selection (default: English)
- **c)** Call Waiting Tone Type Selection (default: Tone 1)
- **d)** Handset / Headset Selection (default: Handset)
- **e)** Initial Display Selection (default: Caller ID)
- **f)** Intercom Alert Assignment (default: Tone Call)
- **g)** Live Call Screening Mode Set (default: Hands-free)
- **h)** Preferred Line Assignment – Incoming (default: Ringing Line)
- **i)** Preferred Line Assignment – Outgoing (default: INTERCOM Line)



To confirm your own extension number (Self-Extension Number Confirmation)



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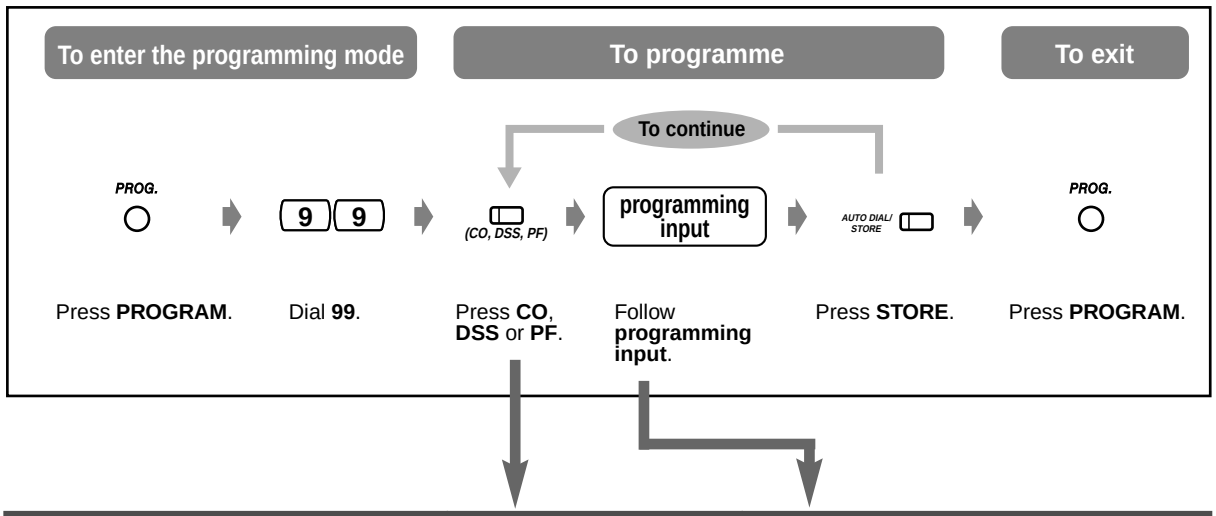
4.1.2 Customising the Buttons

You can change the flexible CO buttons, DSS buttons and programmable feature (PF) buttons to the following function buttons. For example, if your telephone has more CO buttons than available CO lines, you may change an unused CO button to a One-Touch dialling button.



Button	Programmable Button			Programming Input
	CO	DSS	PF	
Loop-CO (L-CO)	✔			✳
Group-CO (G-CO)	✔	✔*1		# **Trunk group no.** (01–48)
Single-CO (S-CO)	✔	✔*1		0 **Trunk port physical no.** (5 digits)
Direct Station Selection (DSS)	✔	✔		1 **Extension no.**
One-Touch Dialling	✔	✔	✔	2 **Desired no.***2 (max. 24 digits)
Message	✔	✔		3
FWD/DND (Forward/Do Not Disturb)	✔	✔	✔	4
Save	✔	✔	✔	5
Account	✔	✔	✔	6
CONF (Conference)	✔	✔	✔	7 0
Log-In/Log-Out	✔			7 1
Phantom	✔			7 2 **Phantom extension no.**
Day/Night	✔	✔		7 3
Primary Directory Number (PDN)	✔			7 4
Secondary Directory Number (SDN)	✔			7 5 **Owner extension no.**
Alarm	✔			7 7

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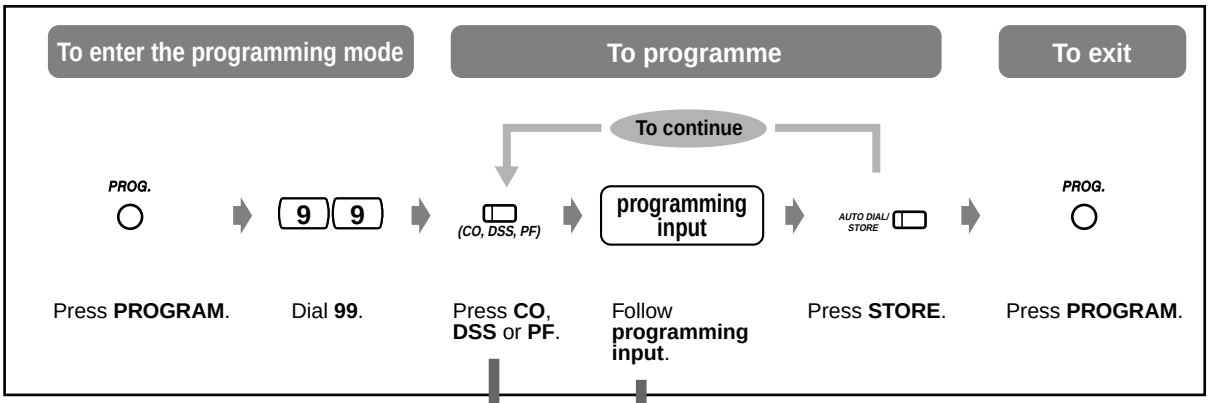

Button	Programmable Button			Programming Input	
	CO	DSS	PF		
Tone Through	✔	✔		7 8	
Group Log-In / Log-Out	✔			7 9	FDN of Incoming group
Voice Mail (VM) Transfer*3	✔	✔	✔	8	Voice mail extension no.
Two-Way Record*3	✔	✔		9 0	Voice mail extension no.
Two-Way Transfer*3	✔	✔		9 1	Voice mail extension no.
Live Call Screening (LCS)*3	✔	✔		9 2	
Live Call Screening (LCS) Cancel*3	✔	✔		9 3	
Answer	✔	✔	✔	9 4	
Release	✔	✔	✔	9 5	
ISDN Service (SS)	✔	✔	✔	9 6	Service no.
Alert	✔			9 7	
Group FWD	✔	✔		9 8	FDN of Incoming group

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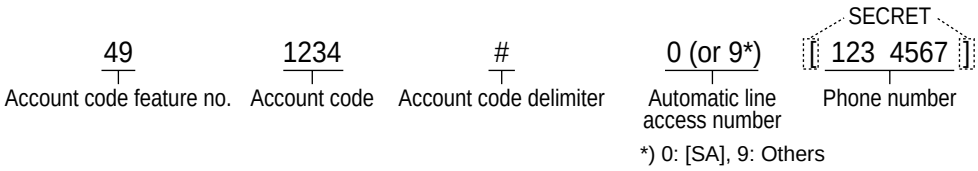
- *1 Available for monitoring the call activity only.
- *2 The dialling codes (0-9, ✳, #) and the following buttons can be used for storing the number.

  FLASH: hook flash
  PAUSE: pausing time (dialling delay)
  CONF: "-" (hyphen)
  INTERCOM: for Secret Dialling
  ✳#: for changing the dialling mode (from Pulse to Tone)

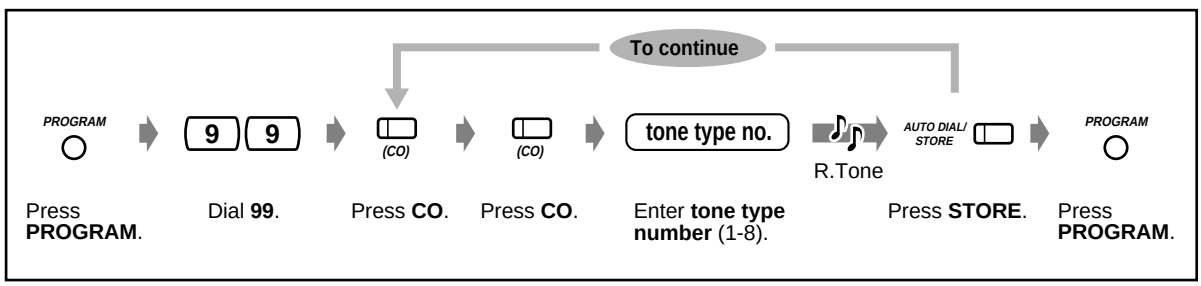
  If the PAUSE button is not provided on your PT, press the PROGRAM button to enter a pause (pausing time).
- If you do not want to display the stored number, press the SECRET (INTERCOM) button before and after the numbers you wish to conceal.
- If you store an external party's number, you should first store a line access number (0 [or 9]*, or 801 - 848). *)0: [SA], 9: Others
- If you need to enter an account code, you can enter the specified account code before the line access number.

  <Example>



- *3 These buttons are used for the VPS integration feature.
- **To exit the programming mode,** press the PROGRAM button.

To distinguish the ringing tones for each CO button (Digital Proprietary Telephone only)



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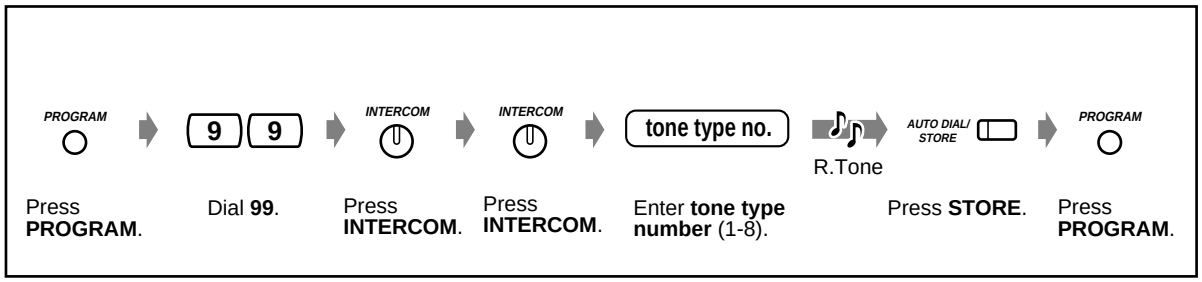
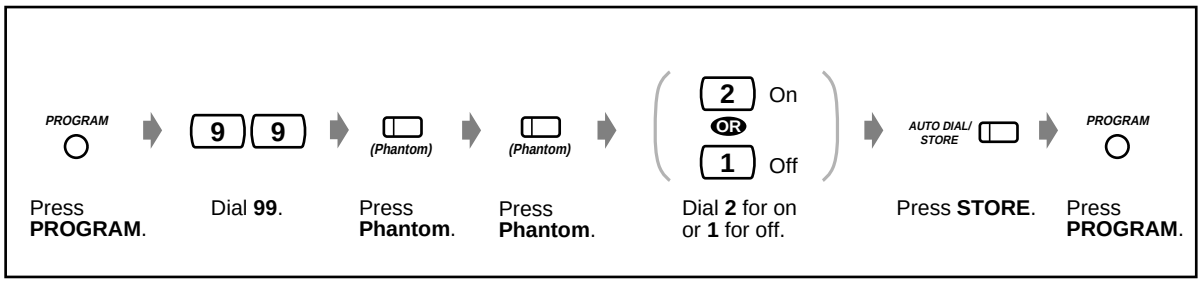
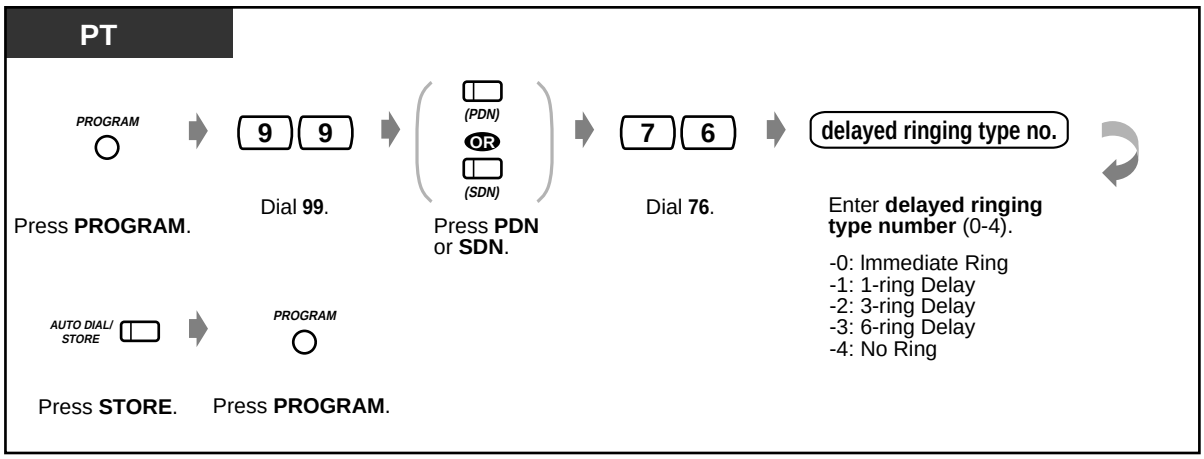
To change the ringing tone for intercom calls (Digital Proprietary Telephone only)



To set a phantom extension ringing or not (Digital Proprietary Telephone only)



To delay the ringing start timing of PDN/SDN buttons (DN type PT only)



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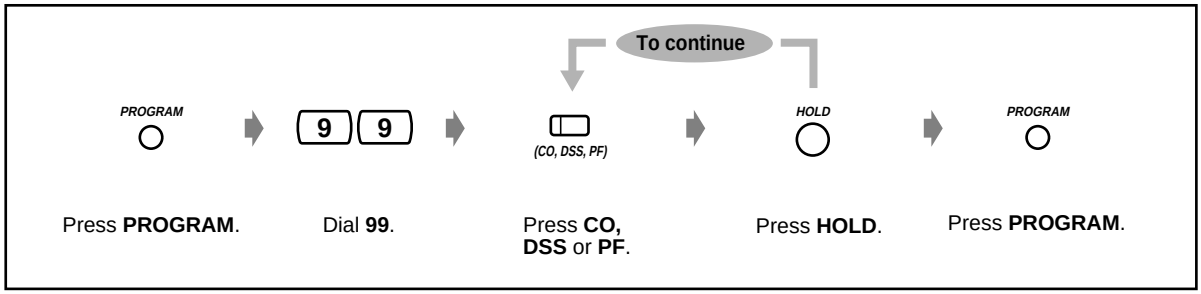
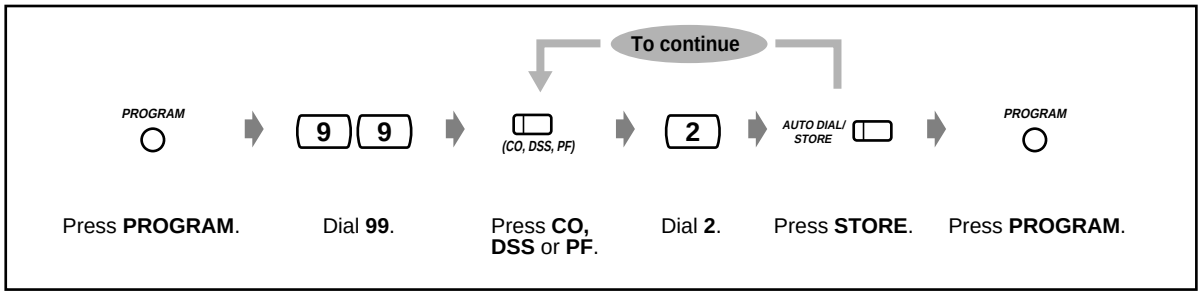
To confirm the button data



To clear the button data



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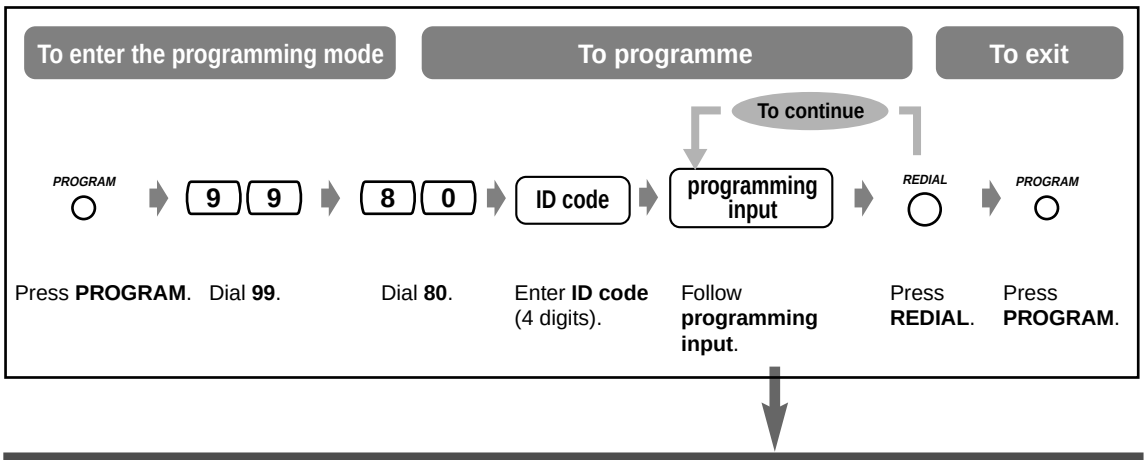
4.2 Charge Fee Management (Station Programming)



Item	Programming Input
Checking each extension charge.	1 **Extension no.** SEL
Clearing each extension charge.	1 **Extension no.** CLR AUTO DIAL/ STORE
Checking each outside line charge.	2 **Trunk port physical no.** (5 digits) SEL
Checking the total charge.	3 SEL
Checking each account code charge.	4 **Location no.** (0001–1000) SEL
Clearing each account code charge.	4 **Location no.** (0001–1000) CLR AUTO DIAL/ STORE
Setting a New Rate.	5 **New rate.** (1-8 digits) AUTO DIAL/ STORE
Clearing all outside line and account code charge.	6 CLR [Displays the last clearing date and time.] AUTO DIAL/ STORE
Clearing all extension charges.	6 NEXT CLR [Displays the last clearing date and time.] AUTO DIAL/ STORE
Printing the total telephone charge (each outside line and account code), all extension charges or each extension charge by SMDR.	7 1 total telephone charge
	7 2 all extension charges
	7 3 **Extension no.** each extension charge
Assigning an account code.	8 **Location no.** (0001-1000) CLR **New account code** (10 digits) AUTO DIAL/ STORE

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4.3 Customising Your System (User Programming)

You can customise your system according to your application.
Your system already has default settings (factory installed). Most of the programming is done by your dealer. Consult your dealer about system applications and re-programming according to your needs. If you would like to assign/change the following features, extensions which meet certain conditions can re-programme them at any time by entering the User Programming mode.*

* The PROGRAM button is used to enter/exit the User Programming mode. If the PROGRAM button is not provided on your PT, please use the PAUSE button instead of the PROGRAM button.

The available programming items are shown below. (Programme number)

- 4.3.1 Date and Time Set (000)
- 4.3.2 System Speed Dialling Number Set (001)
- 4.3.3 System Speed Dialling Name Set (002)
- 4.3.4 Extension Name Set (004)
- 4.3.5 Flexible CO Button Assignment (005)
- 4.3.6 Caller ID Dial Set (006)
- 4.3.7 Caller ID Name Set (007)
- 4.3.8 Absent Messages Set (008)
- 4.3.9 Quick Dial Number Set (009)
- 4.3.10 DISA/TIE User Code Set (010)

Required Telephone

A Panasonic Proprietary Telephone with display (e.g., KX-T7533, KX-T7536)

User Password

To enter the programming mode, a user password (4-7digits) is required. It should be programmed by System Programming beforehand. Check pre-programmed password (Default: 1234).

Conditions

Only one extension, which is on-hook and holding no calls, is available for performing user programming at one time. If another extension is programming, "`Another Use`" is displayed.

List

Before programming, decide your selections and write them down in the list for each programming item. These are useful for easy programming and future reference.

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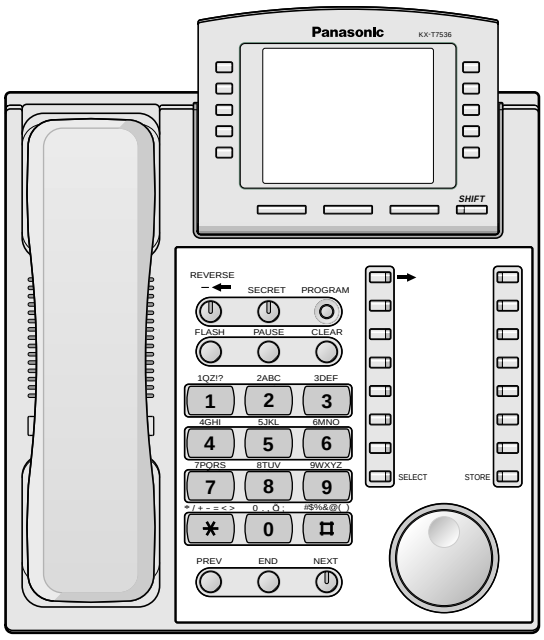
Overlay / Button Function

A programming overlay sheet is packed with the telephone at the factory. This overlay sheet should be used at all times in the programming mode since the functions of the telephone keys change in the programming mode as follows: (The original functions are in parentheses.)

During Normal Operation	During Programming
(PAUSE / PROGRAM)	**PAUSE / PROGRAM**
(SP-PHONE)	**NEXT**
(REDIAL)	**PREV (PREVIOUS)**
(AUTO ANSWER / MUTE)	**SELECT**
(FLASH)	**FLASH**
(TRANSFER)	**CLEAR**
(FWD / DND)	**→**
(CONF)	**– / ←**
(INTERCOM)	**SECRET**
(AUTO DIAL / STORE)	**STORE**
(HOLD)	**END**
(Up / Down / JOG)	**SKIP+ / SKIP-**

If your display PT shows the necessary functions, the overlay may be not required.



KX-T7536 with the overlay

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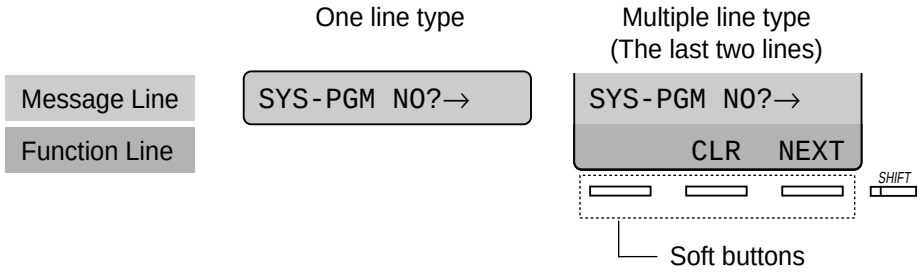
Display

The display gives you useful messages about programming. The multiple-line display also shows the available functions. Follow the message at each step. This is a display sample in the initial programming mode.



The message line guides you through programming and lets you confirm your selection. The display shows up to 16 (KX-T7230, KX-T7531, KX-T7533, KX-T7565) or 24 (KX-T7235,KX-T7536) characters at a time. To scroll the display, press → or ←. The function line shows you the function of the Soft button located below it. When the SHIFT button light beside the display is on, subtitles are available. Press the SHIFT button to confirm the available functions.

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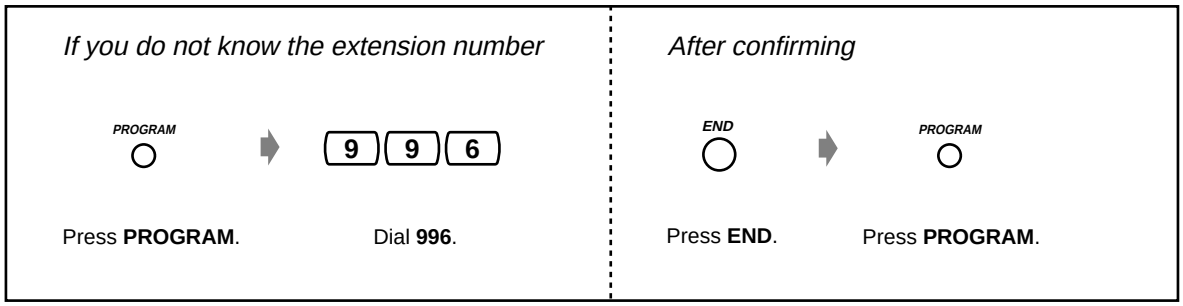
Extension Number

If you do not know the extension no., confirm it as shown below.



Confirmation

To confirm your entry after storing data;

- The STORE button light: Lights red.
- Confirmation Tone:
  — One beep: Your entry is accepted.
  — Three beeps: Your entry is rejected.

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Icon Descriptions

Icons are given to guide you through programming. The following is an example of how the icons may be used:

[X] [X] [X] Enter the programme number. (xxx= the specified number)

Press the corresponding button on the telephone or the Soft button which corresponds to the display.

<Example>

[NEXT] : "NEXT" is displayed.

In this case, both of the following methods are available:

- Press the NEXT ( ) button.
- Press the Soft button which corresponds to "NEXT" shown on the display.

The display messages "SEL+, SEL- and SEL" mean "SELECT."
"CLR" means "CLEAR."

Press the button until the desired entry appears.

Enter your selection.

<Example>

[extension no.] : "Extension no." is displayed.
Enter the extension number.

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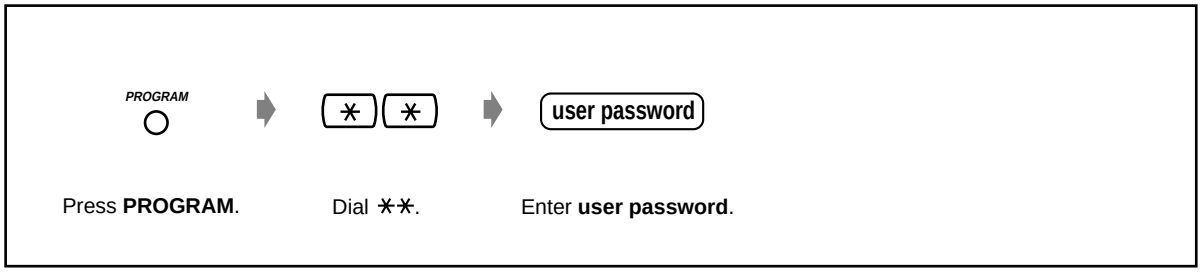
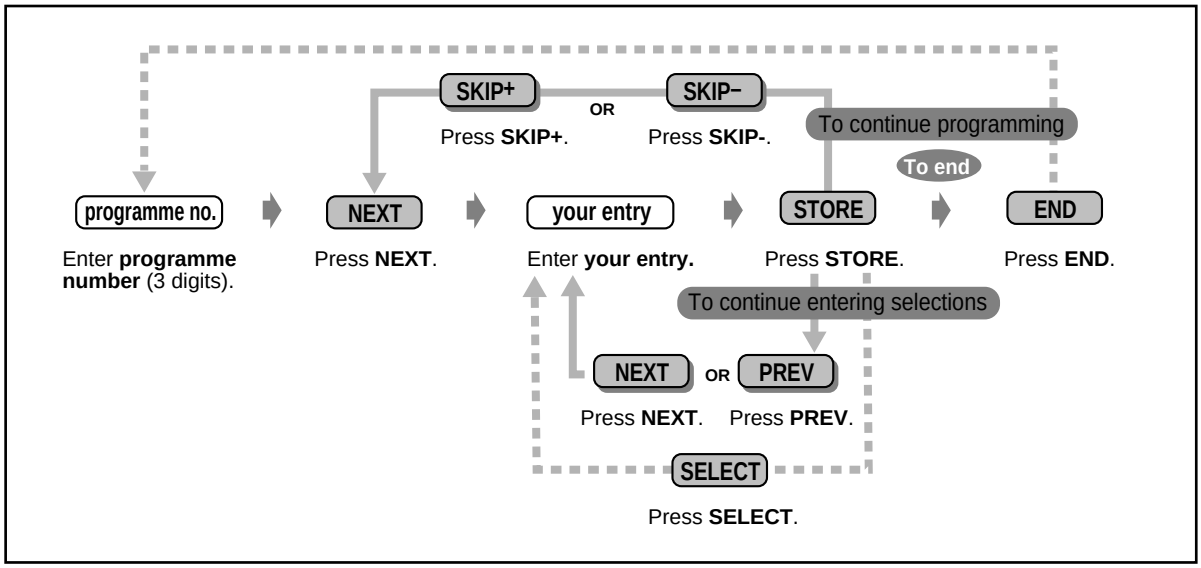
Procedure

The basic steps are shown below.

1. Entering the programming mode



2. Programming



To go to the next/previous programme or entry.

To enter the desired programme or entry.

- **To delete or change an entry,** press CLEAR (TRANSFER).
- **To confirm your entry after storing data:**
  — The STORE button light: Lights red.
  — Confirmation Tone:
  One beep: Your entry is accepted.
  Three beeps: Your entry is rejected.
- **To exit the programming mode**, press the PROGRAM button.

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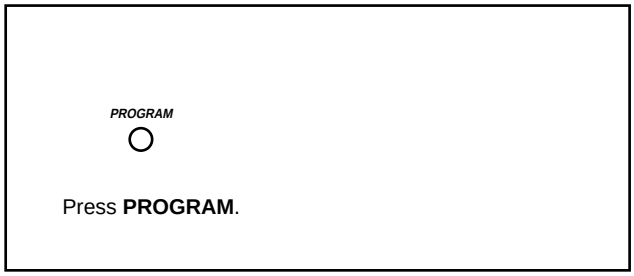
3. Exiting the mode



Press **PROGRAM**.

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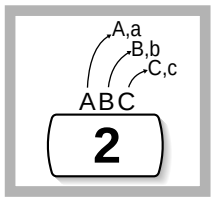
Character Entry

When storing a name or message, enter the characters as follows. The following tables show you the characters available for each key. You can enter letters by pressing the alphanumeric keys on your telephone. Example: Key 2 can be used to enter A, a, B, b, C or c.



Entering characters

- Press the desired character key.
- Press the matching Soft button, press the SELECT* (AUTO ANSWER) button or rotate the Jog Dial as needed.
- Repeat the appropriate steps for the remaining characters.

- **To erase the last letter,** press the ← (CONF) button.
- **To erase all letters,** press the CLEAR (TRANSFER) button.
- **To alternate between capital and lower case letters,** press the SHIFT button. Once this button is pressed, the mode remains until the SHIFT button is pressed again.

* If your telephone is a KX-T7531, do not use the provided SELECT button. Use the AUTO ANSWER button which becomes the SELECT button when using the overlay.

Combination Table 1

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

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Combination Table 2

SHIFT & Soft Combination		S1	SHIFT+S1	S2	SHIFT+S2	S3	SHIFT+S3	SHIFT+ SHIFT+ S1	SHIFT+ SHIFT+ S2
Pressing SELECT (Times) / keys	0	1	2	3	4	5	6	7	8
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	Q	q	R	r	S	s
8	8	T	t	U	u	V	v		
9	9	W	w	X	x	Y	y	Z	z
0	0	(Space)	.	,	’	:	;		
✳	✳	/	+	-	=	<	>		
#	#	$	%	&	@	(	)		

<Example> To enter "Ann,"

A	**n**	**n**
– Using the Jog Dial 2 until "A" is displayed.	6 until "n" is displayed.	6 until "n" is displayed.
– Using a soft button. 2 A B C	6 SHIFT m n o	6 m n o
– Using the SELECT button. 2 SELECT	6 SELECT SELECT SELECT SELECT	6 SELECT SELECT SELECT SELECT

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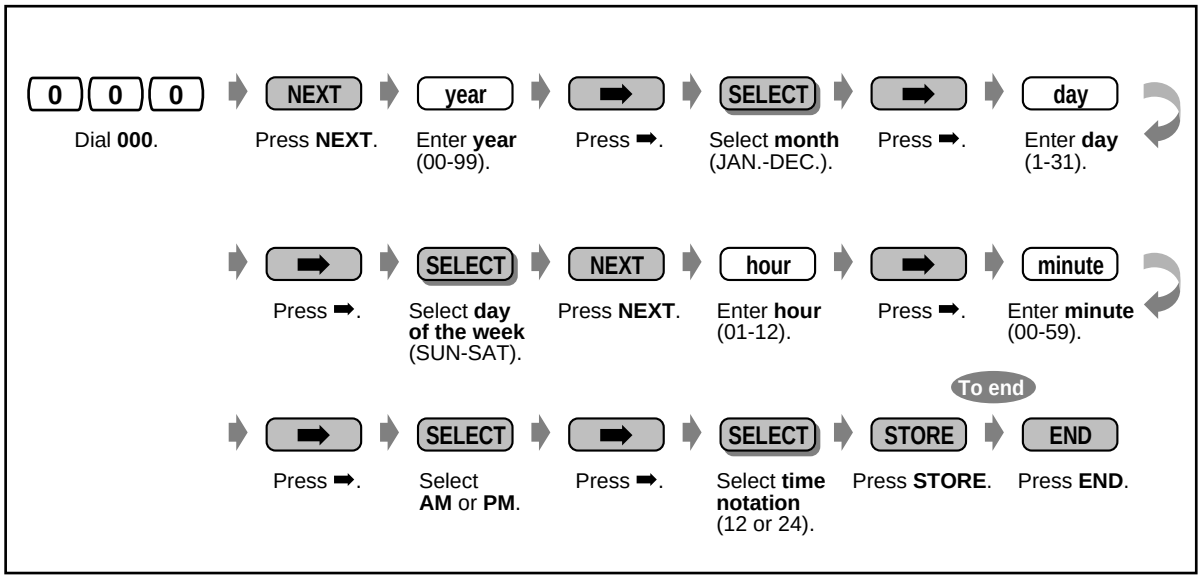
4.3.1 Date and Time Set (000)

You can set/adjust the system date and time which affect system-wide operation. After setting the current date and time, the Proprietary Telephone displays the current date and time while on-hook.

Default: '00 JAN 1 SAT 12:00AM 12-hour clock time



- **After changing the desired entries,** 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.
- You cannot leave an entry empty.

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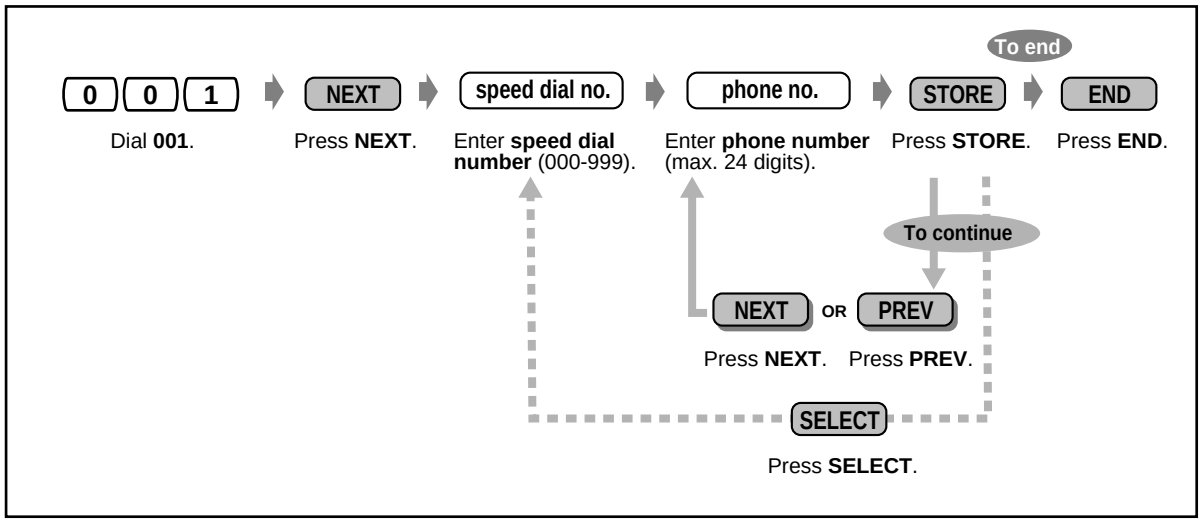
4.3.2 System Speed Dialling Number Set (001)

You can store up to 1000 frequently dialled phone numbers which can be used by any extension user in the system.

Default: No entry



- The telephone directory for "System Speed Dialling" is provided in "5.3 Directory."
- If the desired number is more than 24 digits, divide the number and store it into two or more speed dial numbers.
- The dialling codes (0-9, ✳, #) and the following buttons can be used for storing the number.

  FLASH: hook flash
  PAUSE: pausing time (dialling delay)
  CONF: "-" (hyphen)
  INTERCOM: for Secret Dialling
  ✳#: for changing the dialling mode (from Pulse to Tone)

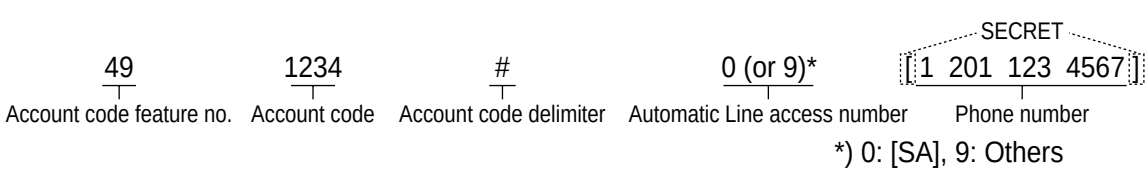
  If the PAUSE button is not provided on your PT, press the PROGRAM button to enter a pause (pausing time).

  — If you do not want to display the stored number when it is dialled, press the SECRET (INTERCOM) button before and after the numbers you wish to conceal.

  — If you store an external party's number, you should first store a line access number (0 [or 9]* or 801 to 848). *) 0: [SA], 9: Others

  — If you need to enter an account code, you can enter the specified account code before the line access number.

<Example>



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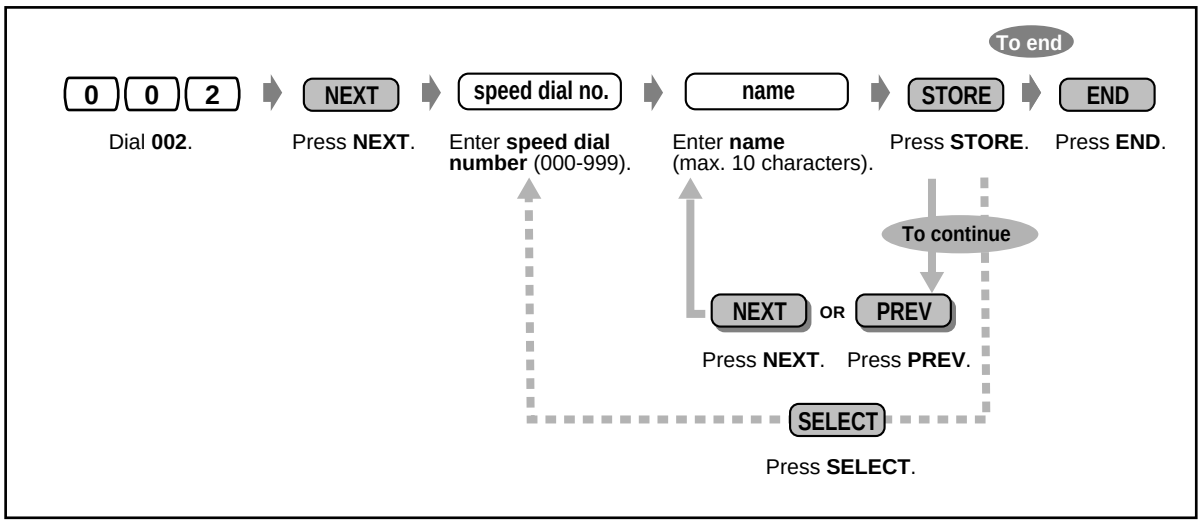
4.3.3 System Speed Dialling Name Set (002)

You can store the corresponding name for each speed dialling number. These names are displayed when making call with the display operation. (Please refer to "2.10.4 Using the KX-T7531, KX-T7533, KX-T7536 or KX-T7235.")
Please refer to "Entering characters" in "4.3 Customising Your System (User Programming)."

Default: No entry



- The telephone directory for "System Speed Dialling" is provided in "5.3 Directory."

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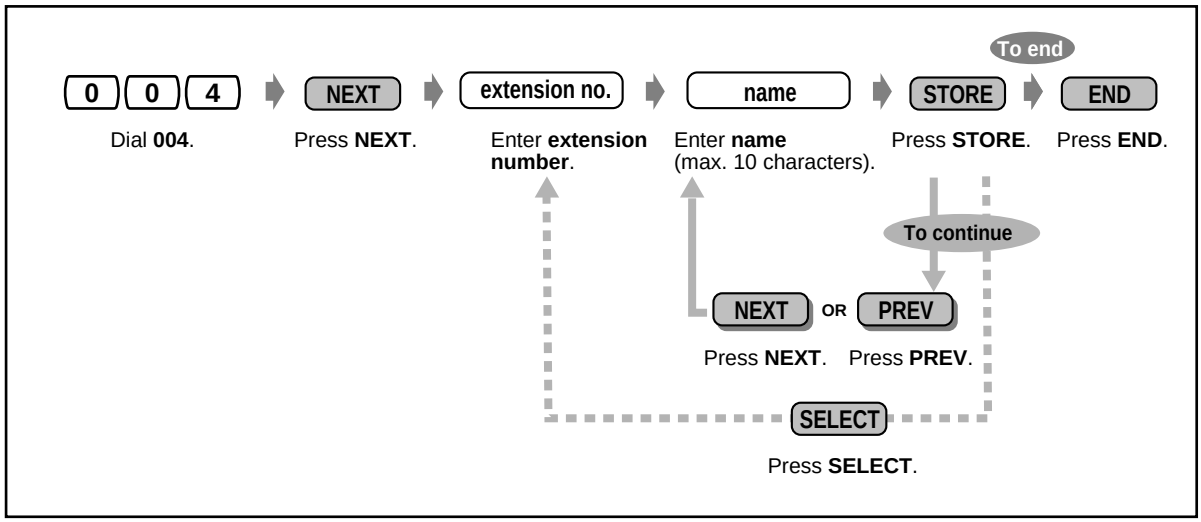
4.3.4 Extension Name Set (004)

You can assign the name for each extension individually. This is useful if you want to know who is calling, or who you are calling when making an intercom call using the directory.
Please refer to "Entering characters" in "4.3 Customising Your System (User Programming)."

Default: No entry



- The telephone directory for "Extension" is provided in "5.3 Directory."

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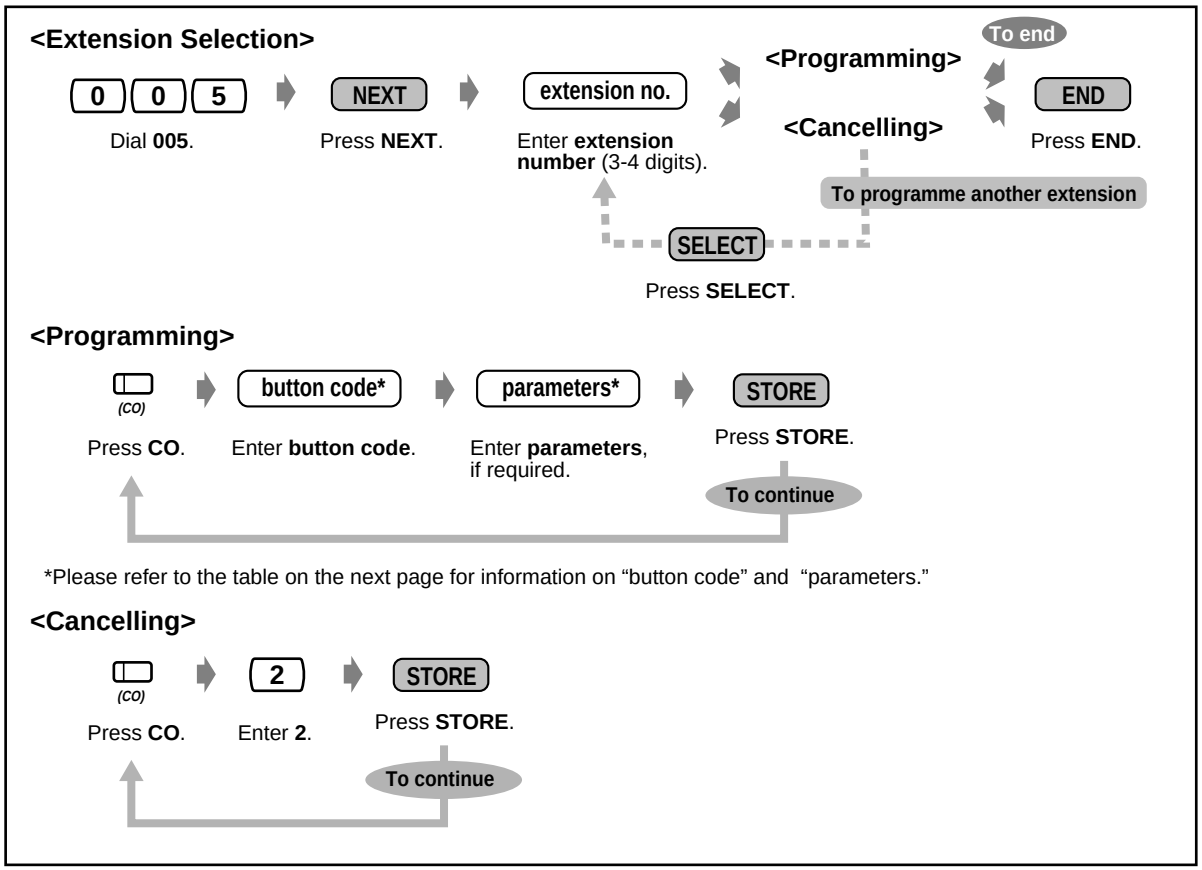
4.3.5 Flexible CO Button Assignment (005)

You can change the flexible CO buttons of all PTs in the system to the function buttons listed on the next page. For example, if someone's telephone has more CO buttons than available CO lines, you may change an unused CO button to a One-Touch Dialling button.

Default: For all PTs – CO button 1 = Loop-CO; Ring tone type 2
Other CO buttons = Not Stored



- The number of CO buttons available for each PT varies depending on the telephone type. To programme 24 CO buttons, please use both the PT with 12 CO buttons (such as the KX-T7536) and KX-T7545.
- If you press the same CO button twice consecutively during <Programming>, you can select a desired ringer frequency for the CO button from eight types of ring tones. When you enter the tone type number (1 through 8), you will hear the selected tone type until STORE is pressed. This selection is possible only for the CO buttons that have been assigned to Single-CO, Group-CO, Loop-CO, PDN or SDN.

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Button Code	Parameter
0 (Single-CO)	**10101 through 31408** (Trunk port physical number)
1 (DSS)	**3 through 4 digits** (Extension number)
2 (One-Touch Dialling)	**24 digits max.** (Telephone number)
3 (Message)	None
4 (FWD/DND)	None
5 (Save)	None
6 (Account)	None
70 (Conference)	None
71 (Log-In/Log-Out)	None
72 (Phantom)	**3 through 4 digits** (Phantom extension number)
73 (Day/Night)	None
74 (PDN)	None
75 (SDN)	**3 through 4 digits** (Owner extension number)
76 (PDN/SDN Delayed Ringing)	**0 through 4** (Delayed ringing type)
77 (Alarm)	None
78 (Tone Through)	None
79 (Group Log-In/Log-Out)	**3 through 4 digits** (FDN of Incoming group)
8 (Voice Mail (VM) Transfer)	**3 through 4 digits** (VM Extension number)
90 (Two-Way Record)*	**3 through 4 digits** (VM Extension number)
91 (Two-Way Transfer)*	**3 through 4 digits** (VM Extension number)
92 (Live Call Screening (LCS))*	None
93 (Live Call Screening (LCS) Cancel)*	None
94 (Answer)	None
95 (Release)	None
96 (ISDN Service)	**24 digits max.** (Service number)
97 (Alert)	None
98 (Group FWD)	**3 through 4 digits** (FDN of Incoming group)
✳ (Loop-CO)	None
# (Group-CO)	**01 through 48** (Trunk group number)
CO/INTERCOM (Ringer frequency)	**1 through 8** (Ring tone type number)

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Button Code	Parameter
Phantom (Ringing on/off)	**1** (off)/**2** (on)

*: Available when the Digital Super Hybrid System is connected to a Digital Proprietary Telephone capable Panasonic Voice Processing System.(one that supports digital proprietary telephone [DPT] integration; e.g., KX-TVP100.)

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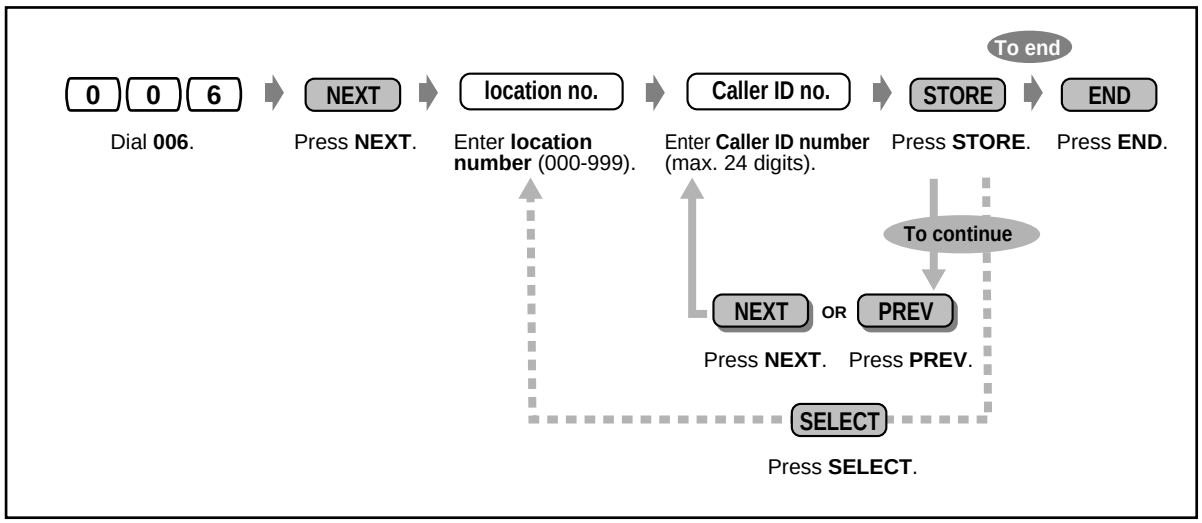
4.3.6 Caller ID Dial Set (006)

You can set the identification code of the calling party (Caller ID Code) to utilise Caller ID Service provided by a specific Central Office (CO). If an ID Code transmitted from CO is found in the Caller ID Code Table, the Caller's ID Code or a name given to the code in "4.3.7 Caller ID Name Set (007)" is displayed on the display PT, allowing the called party to recognise the caller.

Default: All locations: Not Stored



- Up to 1000 Caller ID Codes (a maximum of 24 digits for each consisting of 0-9, ✳ or #) per tenant, 2000 per system can be assigned.
- Programme "4.3.7 Caller ID Name Set (007)" is used to give names to Caller ID Codes. If an ID Code is given a name, the called party's display PT shows the name with the Caller ID Code.

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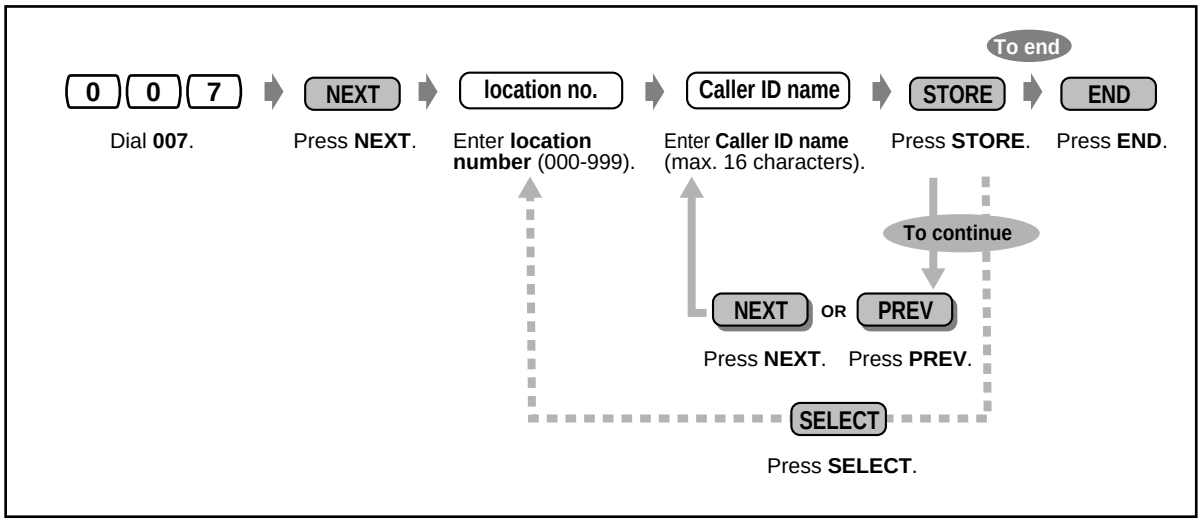
4.3.7 Caller ID Name Set (007)

With the Caller ID Service, the calling party is displayed either by its ID Code or by its name. If the name display is required, use this programme to give a name to a Caller ID Code stored in programme "4.3.6 Caller ID Dial Set (006)."

Default: All locations: Not Stored



- Up to 1000 Caller ID Names per tenant, 2000 per system, can be assigned.
  Each name corresponds to a Caller ID Code programmed by "4.3.6 Caller ID Dial Set (006)."
- A Caller ID Name cannot be assigned if the corresponding Caller ID Dial is not assigned.
- For entering characters, please refer to "Character Entry" in "4.3 Customising Your System (User Programming)."

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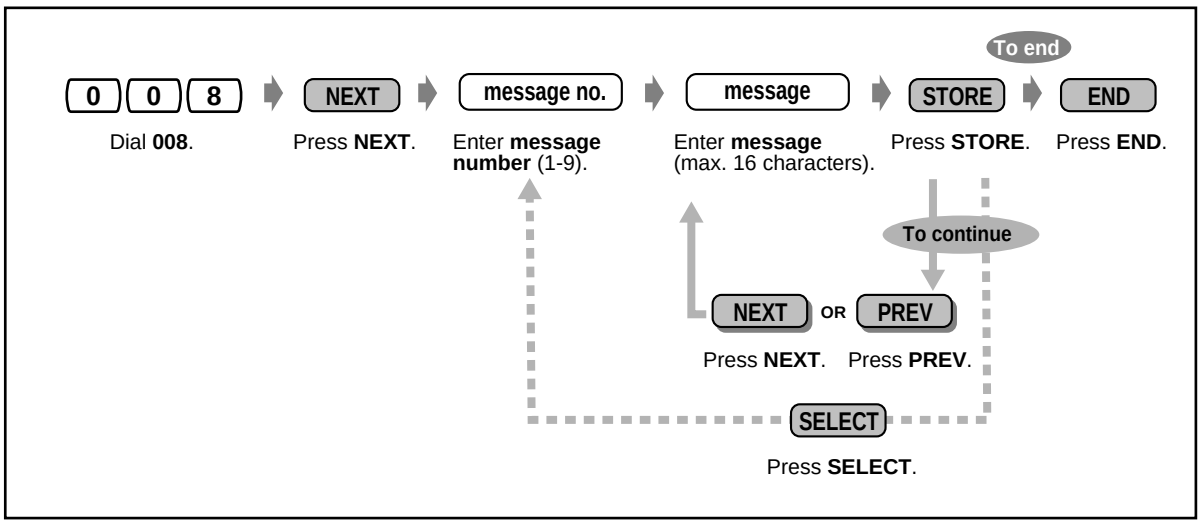
4.3.8 Absent Messages Set (008)

You can programme the absent messages. An absent message, if set by the extension user, is displayed on the display of calling extension's PT to show the reason for the user's absence.

Default: 1: Will Return Soon
2: Gone Home
3: At Ext %%%%
4: Back at %%:%%
5: Out Until %%/%%
6: In a Meeting
7: through 9: Blank (not stored)



- Up to nine Absent Messages can be assigned. Messages 1 through 6 are programmed at the factory but can be changed. Each message has a maximum of 16 characters.
- For entering characters, please refer to "Character Entry" in "4.3 Customising Your System (User Programming)."
- You can enter a maximum of seven "%" characters per message which can be programmed at each user's extension. The extension user can enter 0-9, ✳ or # for the % characters. If the extension user enters digits less than the number of "%" characters, it is recommended to fill the remaining "%" characters with "#" or "✳."
- To display parts of the message which have scrolled off the display, press → or ←.

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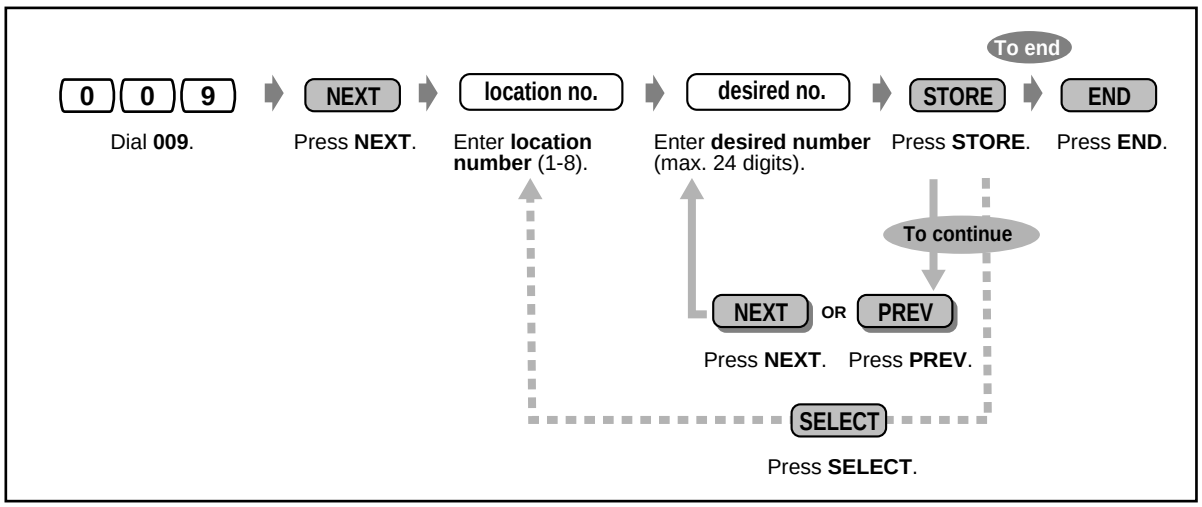
4.3.9 Quick Dial Number Set (009)

You can store up to eight Quick Dial numbers (Quick Dial 1-8) which are commonly used by any extension user in the system.
Default: All location numbers: Not Stored



- The dialling codes (0-9, ⁎, #) and the following buttons can be used for storing the number.

  FLASH: hook flash
  PAUSE: pausing time (dialling delay)
  CONF: "-" (hyphen)
  INTERCOM: for Secret Dialling
  ⁎#: for changing the dialling mode (from Pulse to Tone)

  If the PAUSE button is not provided on your PT, press the PROGRAM button to enter a pause (pausing time).
- Before programming this programme, a feature number for each location should be programmed by System Programming.

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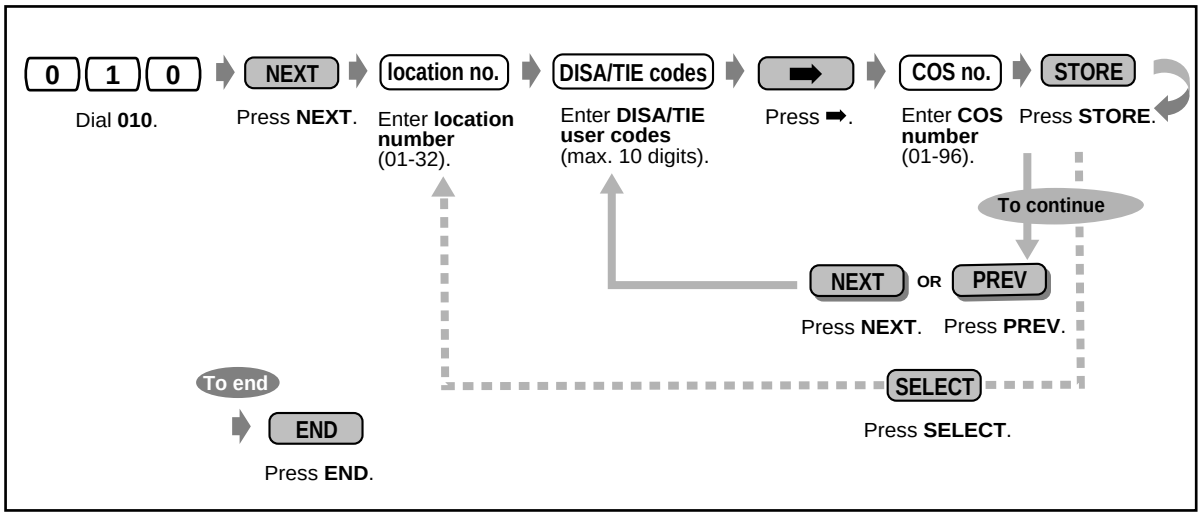
4.3.10 DISA/TIE User Code Set (010)

You can store up to 32 DISA/TIE User Codes with a COS level for each. Each code should be unique.

Default: All locations: Not Stored
All COS: 96



Warning for the Direct inward System Access Users

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

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

1: Carefully maintain the secrecy of the password.

2: Specify a complicated password as long and random as you can make it.

3: Change the password frequently.

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Section 5

Appendix

This chapter provides the Troubleshooting, Feature Number List, Directory, Tone List and Specifications. Check the Troubleshooting before consulting your dealer.

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5.1 Troubleshooting

Problem	Remedy
The telephone does not work properly.	• The wiring is wrong. ➡ Check the wiring.
I cannot use the telephone.	• The telephone is locked. ➡ Unlock your telephone. (☞ "To lock" in "2.5.4 Preventing Other People from Making Outside Calls Using Your Telephone (Electronic Station Lockout)," "3.1.4 Changing the Settings (Station Programming)") • Your telephone is connected to an EXtra Device Port. ➡ System Programming is required. Consult your dealer.
Some features do not work.	• System management may restrict certain features. ➡ Consult your System Manager. • The feature numbers have changed. ➡ Confirm the revised number and try again.
Even though following the manual instructions, none of the operations work when using a Proprietary Telephone.	• The Intercom line was not seized. The seized line, when going off-hook, was changed by personal setting. (☞ "4.1.1 Initial Settings") ➡ In the manual, going off-hook means an Intercom line is seized. If the setting has been changed, press the INTERCOM / PDN button after going off-hook and follow the instructions.
The parallelled Single Line Telephones do not ring.	• This is the default setting. ➡ Change the setting to ring. (☞ "2.7.13 Setting the Parallel Connected Telephone Ringer (Parallelled Telephone Connection)")
The telephone does not work using the personal settings or with other settings (One-Touch dialling, forwarding destination, etc.).	• The extension line has been changed. The previous telephone's settings have not been cleared. ➡ Clear the settings and then programme your desired settings again. (☞ "2.7.14 Clearing the Feature Settings at Your Extension (Station Programme Clear)," To clear all settings" in "4.1.1 Initial Settings," "To clear the button data" in "4.1.2 Customising the Buttons")
My Proprietary Telephone does not have a function button.	• Some models do not have the function button. ➡ Change a flexible button to the desired button. (☞ "4.1.2 Customising the Buttons") ➡ Enter the specified feature number instead of the function button. (☞ "Feature Numbers" in "2.1 Before Operating the Telephones")

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Problem	Remedy
I cannot make an outside call.	• The telephone is locked. ➡ Unlock your telephone. (☞ "2.5.4 Preventing Other People from Making Outside Calls Using Your Telephone (Electronic Station Lockout)," "3.1.4 Changing the Settings (Station Programming)") • Toll restriction is activated. ➡ Consult your manager or dealer. • An account code is required. (☞ "2.2.5 Calling without Restrictions") • Another PBX is connected to your system. ➡ A host PBX access code is required. (☞ "2.8.2 If a Host PBX is Connected") • Nothing was dialled within 10 seconds after going off-hook. ➡ Hang up, off-hook and re-dial again.
A reorder tone is audible or "`Restricted`" is displayed.	• The telephone is locked. ➡ Unlock your telephone. (☞ "2.5.4 Preventing Other People from Making Outside Calls Using Your Telephone (Electronic Station Lockout)," "3.1.4 Changing the Settings (Station Programming)") • Toll restriction is activated. ➡ Consult your System Manager or dealer. • An account code is required. (☞ "2.2.5 Calling without Restrictions")
I cannot make an outside call using the One-Touch Dialling button or speed dialling.	• A line access number was not stored. ➡ A line access number is required for outside calls. (☞ "2.2.2 Easy Dialling," "Storing the names and numbers for station speed dialling" in "2.10.4 Using the KX-T7531, KX-T7533, KX-T7536 or KX-T7235," "4.1.2 Customising the Buttons")
I cannot remember the feature numbers.	➡ Ask your dealer to change the feature numbers for easier use. ➡ Store the feature numbers into the One-Touch Dialling buttons. (☞ "4.1.2 Customising the Buttons")
While talking to an outside party, the line is disconnected.	• The time limit has expired. (☞ "Transferring a call to an external party" in "2.4.3 Transferring a Call," "Leaving a conference " in "2.4.5 Three-party Conversation") ➡ Consult your dealer to extend the time, if necessary.
Redialling does not function.	• The stored number is more than 24 digits or an extension number. (☞ "2.2.3 Redial")
I cannot mute the conversation.	• You are using the handset. (☞ "2.4.7 Mute")
I cannot access computer services, banking-by-phone, etc.	• A tone signal is required. (☞ "Changing the dialling mode (Pulse to Tone Conversion)" in "2.2.5 Calling without Restrictions")

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Problem	Remedy
The personal computer and facsimile communication failed.	• An indication tone may have interrupted communication. (☞ "2.7.11 Protecting Your Line against Indication Tones (Data Line Security)")
I cannot send a call waiting tone to the dialled extension.	• The other party has not set the Call Waiting feature. (☞ "Sending a call waiting tone (Busy Station Signalling [BSS]) in "2.2.4 When the Dialled Line is Busy or There is No Answer," "2.7.3 Receiving a Call Waiting (Call Waiting/Off-Hook Call Announcement [OHCA]/Whisper OHCA)") • The other party has set Data Line Security. (☞ "2.7.11 Protecting Your Line against Indication Tones (Data Line Security)")
I forgot the lock code / Live Call Screening Password.	➡ Ask the Manager or an Operator to assist you. (☞ "3.1.4 Changing the Settings (Station Programming)")
The background music started suddenly.	➡ Turn off the music. (☞ "2.7.10 Turning on the Background Music (BGM)," "3.2.1 Turning on the External Background Music (Background Music [BGM]—External)")
I do not want to display a number which is stored in memory.	➡ Conceal the number. (☞ "Storing the names and numbers for station speed dialling" in "2.10.4 Using the KX-T7531, KX-T7533, KX-T7536 or KX-T7235")
The display does not show the message described in the manual.	• The telephone is not a Panasonic Proprietary Telephone. ➡ This manual shows messages which appear only on Panasonic Proprietary Telephones (e.g., KX-T7536). (☞ "Display" in "2.1 Before Operating the Telephones")
I want to confirm my extension number and extension port physical number.	(☞ "To confirm your own extension number" in "4.1 Customising Your Phone (Station Programming)")
The date and time are not correct.	• Set the date and time by User Programming. (☞ "4.3.1 Date and Time Set (000)")
The display is abnormal.	• The lithium battery for memory back-up needs to be replaced. ➡ Consult your dealer.
I want to distinguish the tones.	(☞ "To confirm the current setting" and "To clear all setting" in "4.1.1 Initial Settings," "To distinguish the ringing tones for each CO button (Digital Proprietary Telephone only) in "4.1.2 Customising the Buttons")
I hear a warning tone from the telephone.	• The handset was off-hook in an idle status for an extended period of time. ➡ Replace the handset.

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Problem	Remedy
The MESSAGE button light lit.	• Another extension left you a message waiting indication during you were on the phone or not at your desk.
A Power Failure occurred.	**When a power failure occurs...** The system and Panasonic Proprietary Telephones stop all functions. Specific extensions are automatically connected straight to specific CO lines. This provides CO line conversations between the pre-assigned extensions and CO lines: ➡ Consult your dealer for detailed information. All intercom calls and features do not function. **When turning the power back on...** Your system restarts with the stored data automatically. Memory is protected by a pre-installed lithium battery. There is no memory loss except for Automatic Callback Busy (Reserving a busy line) and Held calls.

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5.2 Feature Numbers List

There are flexible feature numbers and fixed feature numbers.

Flexible Feature Numbers

Numbers listed below are the default settings. If the flexible feature numbers are changed by System Programming, fill in the newly assigned numbers in the list for future reference.

Feature	Default	Assigned no.	Additional digits
Calling the operator	9 (SA), 0 (Others)		
Automatic line access number / ARS	0 (SA), 9 (Others)		
Trunk group access number	8		01-48
TIE line access number	77		
Calling a pre-set party by going off-hook / cancelling / storing	74		1 / 0 / 2+phone no.+#
Calling using the number stored at your extension Storing the numbers	3✳ 30		0-9 [0-9]+phone no.+#
Calling using the number stored in the system	✳		000-999
Redialling the last phone number you dialled	#		
Cancelling the reservation of a busy line	46		
Leaving a message waiting indication / cancelling / calling back / clearing a received indication	70		1+ext. no. / 0+ext. no. / 2 / 0+your ext. no.
31st incoming call log is stored / disregarded	56		1/0
Picking up a call for someone else - outside call - group - direct	 4✳ 40 41		 ext. no.
Holding or retrieving a call	50		
Retrieving from another extension - outside call - intercom / outside call	 53 51		 trunk port physical no. ext. no.
Holding in a system parking zone or retrieving	52		00-99
Paging or transferring and paging - all devices / all paging groups / individual paging group - all external speakers / individual external speaker	 32 / 33 32		 ✳/ # / 01-16 0 / 1 / 2
Answering a paged announcement or an incoming call through the external speaker	42		1 / 2

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Feature	Default	Assigned no.	Additional digits
Answering the paged announcement through telephones	43		
Receiving or refusing a call waiting tone or voice no tone / tone / OHCA / whisper OHCA	731		0 / 1 / 2 / 3
External feature access	6		
Forwarding your call - All calls / Busy / No answer / Busy, No answer - To an external party / No answer to an external party - Cancel - Follow Me / cancel	710		[2 / 3 / 4 / 5]+ ext. no. [6 / ✳]+phone no.+# 0 [7 / 8]+your ext. no.
Preventing others from disturbing you (DND) / cancelling			1 / 0
Forwarding your call - group	714		1 / 0+FDN of source Incoming group+FDN of destination Incoming group or Extension group
Showing a message to the caller / cancelling	750		[1-9]+(parameter) / 0
Joining the extension group / leaving	45		1 / 0
Joining the incoming group / leaving	48		1 / 0+FDN of Incoming group
Calling with account codes	49		code+[# or 99]
Calling using your privileges	47		password+your ext. no.
Setting the alarm / cancelling / viewing	761		1+time+ [0 (AM) / 1 (PM)] + [0 (once) / 1 (daily)] / 0 / 2
Refusing / receiving the indication tones	730		1 / 0
Denying other people the possibility of - seeing your call logs / Allowing - using your telephone / Allowing - picking up your calls / Allowing - paging through the speaker / Allowing - joining your conversation / Allowing	 57 762 720 721 733		 3-digit code twice / stored code 3-digit code twice / stored code 1 / 0 1 / 0 1 / 0
Parallelled telephones ring / do not ring	39		1 / 0
Cancelling the feature settings	790		

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Feature	Default	Assigned no.	Additional digits
Displaying the number on the called and calling party's phone [CLIP / COLP], outside line / extension	711		1 / 2
Preventing the number being displayed on the called party's phone [CLIR], restrict / present / one-time setting	59		2 / 0 / 1
Preventing the number being displayed on the calling party's phone [COLR], restrict / present	58		2 / 0
Calling the doorphone	31		1-8
Opening the door from a specified phone	55		1-8
Setting the Live Call Screening password / cancelling	799		3-digit code twice / stored code
Setting the Walking Station, Start / End	727		1 / 0+source extension no.
Controlling the External Modem	791		1-5
Monitoring the number of UCD calls waiting to be answered / cancelling	725		FDN of UCD group /✳
Identifying Malicious Callers	737		
* Setting the alarm / cancelling / viewing	7✳		1+ext. no.+time+ [0 (AM) / 1 (PM)]+ [0 (once) / 1 (daily)] / 0+ext. no. / 2+ext. no.
* Controlling the DND feature on other extensions, set / cancel	722		destination ext. no.
* Calling the extension that has set Call Forwarding	723		destination ext. no.
* Turning on/off the background music external	35		
Switching the Day / Night service - to auto / day / night / lunch / break	78		0-4
* Recording an outgoing message / playing back	36		1 / 2+1-8
* Trunk Busy-out, set / cancel / confirm	726		1 / 0 / 2 +trunk port physical no.
* Trunk Route Control	724		trunk port physical no.
* Setting the Primary COS	792		destination ext. no.
* Setting the Secondary COS	793		destination ext. no.
Changing the room status to "ready" after clean-up [guest room telephone]	763		
Changing the room status to "ready" after clean-up [guest room telephone]	763		

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Feature	Default	Assigned no.	Additional digits
Calling with CTI codes	Blank		code+[# or 99]
* Printing out room service	715		service code+#

* Operator / Manager only

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Fixed Feature Numbers

Features	Type-1	Type-2
While a busy tone is heard:		
Automatic Callback Busy	6	6
Busy Station Signalling (BSS) / Off-Hook Call Announcement [OHCA] / Whisper OHCA	1	2
Executive Busy Override	2	3
While a Do Not Disturb tone is heard:		
Do Not Disturb Override	1	2
While calling or talking:		
Account Code Delimiter	# / 99	# / 99
Alternate Calling - Ring / Voice	✳	✳
Conference	3	3
Door Open	5	5
Pulse to Tone Conversion	✳ #	✳ #
When the extension is on-hook:		
Background music (BGM) on/off	1	HOLD / TRANSFER
Day / Night mode display	#	#
Time display / Self-Extension Number display switching	✳	✳
When a CO call is arriving (Receiving the Caller ID information):		
Switching CO Line Name / Caller ID Number / Caller ID Name	✳	✳

- Fixed Feature Numbers Type-1 or Type-2 can be selected by System Programming (Default: Type-2: [SA], Type-1: Others).

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5.3 Directory

Extension

Extension no.	Name	Extension no.	Name

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Extension no.	*Name*	*Extension no.*	*Name*

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System Speed Dialling

Speed dial no.	Name	Phone no.	Speed dial no.	Name	Phone no.
000			046		
001			047		
002			048		
003			049		
004			050		
005			051		
006			052		
007			053		
008			054		
009			055		
010			056		
011			057		
012			058		
013			059		
014			060		
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016			062		
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021			067		
022			068		
023			069		
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025			071		
026			072		
027			073		
028			074		
029			075		
030			076		
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033			079		
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038			084		
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041			087		
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043			089		
044			090		
045			091		

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Speed dial no.	Name	Phone no.	Speed dial no.	Name	Phone no.
092			138		
093			139		
094			140		
095			141		
096			142		
097			143		
098			144		
099			145		
100			146		
101			147		
102			148		
103			149		
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137			183		

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Speed dial no.	Name	Phone no.	Speed dial no.	Name	Phone no.
184			230		
185			231		
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Speed dial no.	Name	Phone no.	Speed dial no.	Name	Phone no.
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Speed dial no.	Name	Phone no.	Speed dial no.	Name	Phone no.
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Speed dial no.	Name	Phone no.	Speed dial no.	Name	Phone no.
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469			515		
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Speed dial no.	Name	Phone no.	Speed dial no.	Name	Phone no.
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Speed dial no.	Name	Phone no.	Speed dial no.	Name	Phone no.
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689			735		

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Speed dial no.	Name	Phone no.	Speed dial no.	Name	Phone no.
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737			783		
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780			826		
781			827		

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Speed dial no.	Name	Phone no.	Speed dial no.	Name	Phone no.
828			874		
829			875		
830			876		
831			877		
832			878		
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Speed dial no.	Name	Phone no.
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Quick Dialling

Name	Quick dial no.

Station Speed Dialling

No.	Name	Phone no.	No.	Name	Phone no.
0			5		
1			6		
2			7		
3			8		
4			9		

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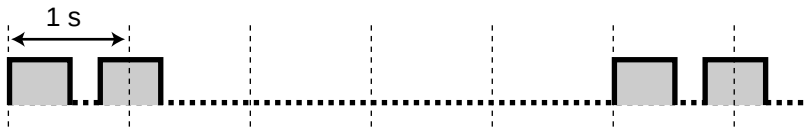
5.4 What is This Tone?

While on-hook [BX], [NZ], [RU], [AG]

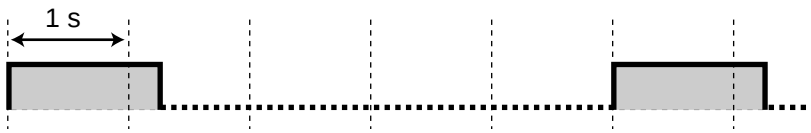
Ring Tone 1 / Hold Recall Tone

- An intercom call is ringing.
- An intercom call is held for more than a specified time (default: 60 seconds).



Ring Tone 2 / Hold Recall Tone

- An outside call is ringing.
- An outside call is held for more than a specified time (default: 60 seconds).

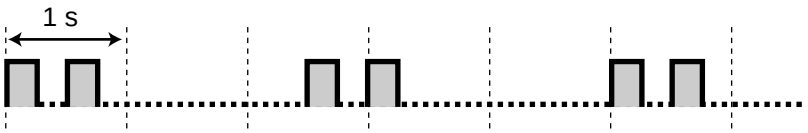


Ring Tone 3

- A doorphone call is ringing.
- The pre-set alarm time has arrived (Timed Reminder).

Ring Tone 4

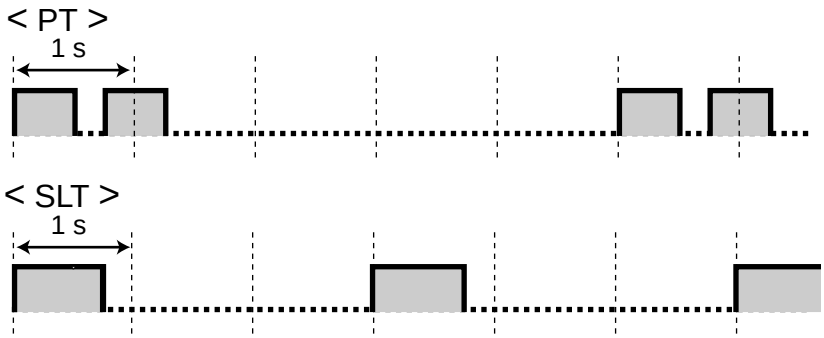
- A reserved outside line or extension became idle (Automatic Callback Busy).
- A caller is leaving a message in your mailbox (Live Call Screening-Private mode).



While on-hook [SA]

Ring Tone 1 / Hold Recall Tone

- An intercom call is ringing.
- An intercom call is held for more than a specified time (default: 60 seconds).



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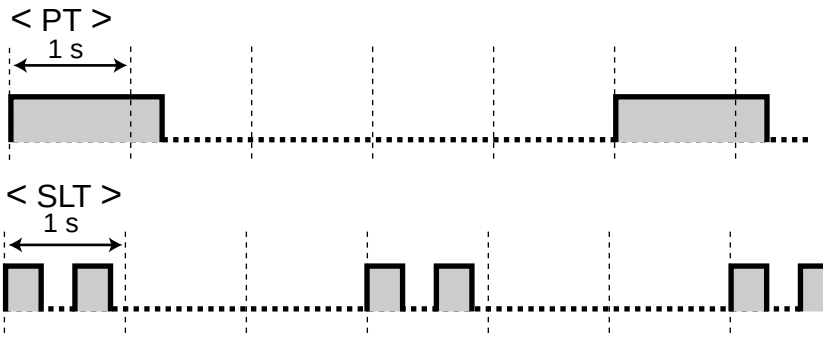
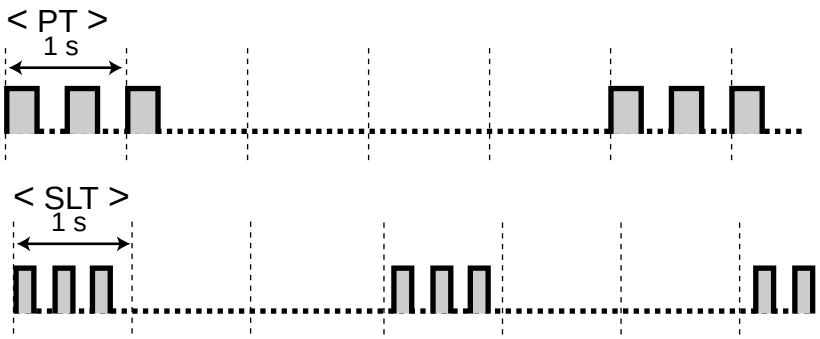
Ring Tone 2 / Hold Recall Tone

- An outside call is ringing.
- An outside call is held for more than a specified time (default: 60 seconds).



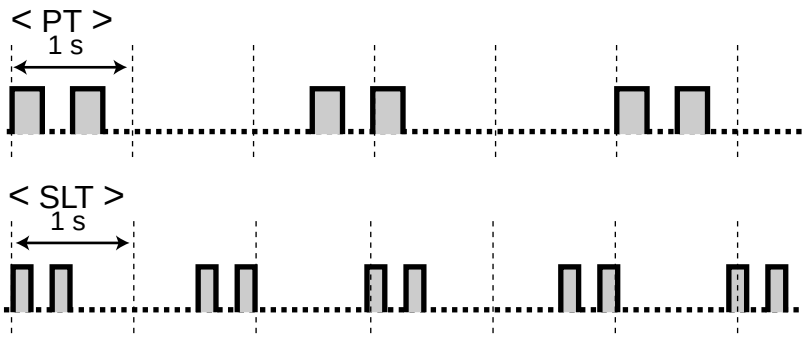
Ring Tone 3

- A doorphone call is ringing.
- The pre-set alarm time has arrived (Timed Reminder).



Ring Tone 4

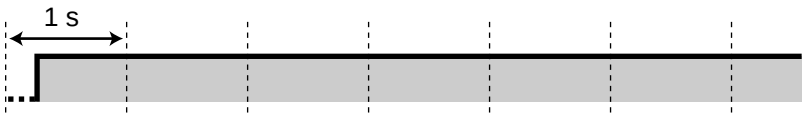
- A reserved outside line or extension became idle (Automatic Callback Busy).
- A caller is leaving a message in your mailbox (Live Call Screening-Private mode).



When going off-hook [BX], [NZ], [RU], [AG], [SA]

Dial Tone 1

Normal (No features stated in Dial Tone 2 through 4 are set.)



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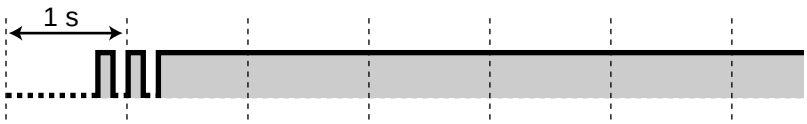
Dial Tone 2

One or more of the following features are set.

- Alarm
- Forwarding Calls
- Call Waiting
- Calling a pre-set party by going off-hook
- Turning on the background music
- Showing a message to the caller
- Denying
  - — an indication tone
  - — an incoming call
- Denying other people the possibility of
  - — picking up your calls
  - — using your telephone
  - — joining your call
  - — making a paging announcement through your PT

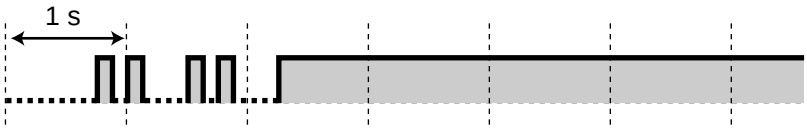


Dial Tone 3

- The alarm is being answered.
- Enter an account code or DISA User code to turn off the tone.

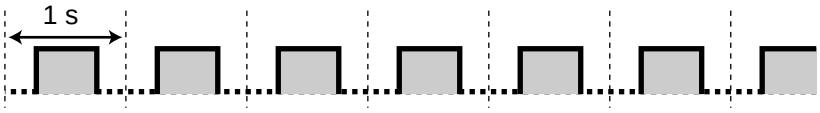
Dial Tone 4

Message Waiting indication was received.



When you make calls [BX], [NZ], [RU], [AG], [SA]

Busy Tone



Reorder Tone

- The outside line you tried to seize is not assigned or denied.
- The wrong account code was entered.

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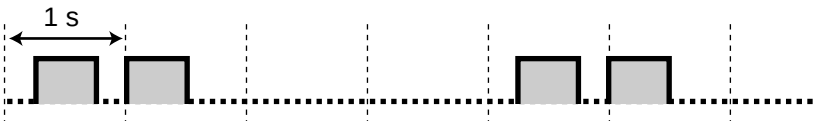
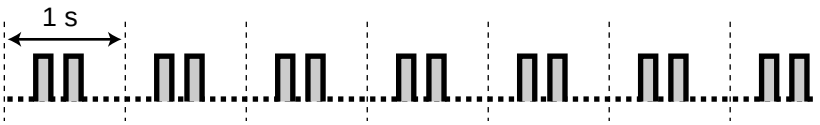
Ringback Tone 1



Ringback Tone 2

Do Not Disturb [DND] Tone

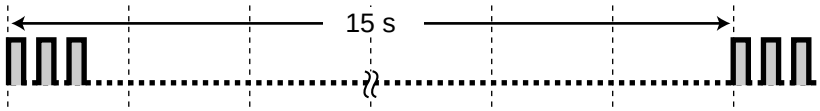
The dialled extension is denying incoming calls.



While off-hooking [BX], [NZ], [RU], [AG], [SA]

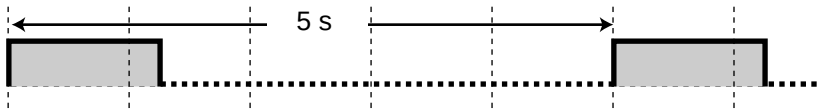
Call Waiting Tone 1 (outside / intercom)

Call waiting tone from another extension / outside line



Call Waiting Tone 2 (outside)

Call waiting tone from an outside line

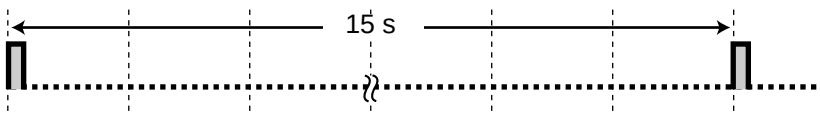


Call Waiting Tone 2 (intercom)

Call waiting tone from another extension

Hold Alarm Tone

A call is held for more than a specified time (default: 60 seconds).



During a call between two external parties [BX], [NZ], [RU], [AG], [SA]

Warning Tone

This tone is sent to both parties 15, 10 and 5 seconds before the time limit.

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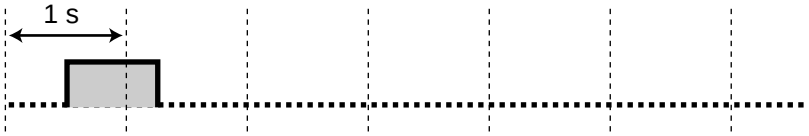
When setting the features or programming [BX], [NZ], [RU], [AG], [SA]

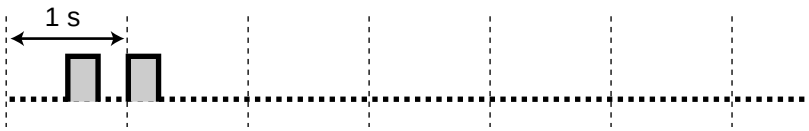
Confirmation Tone 1

- The new setting differs from the previous setting by Station / User Programming.
- Changing the setting by Station / User Programming was completed successfully.



Confirmation Tone 2

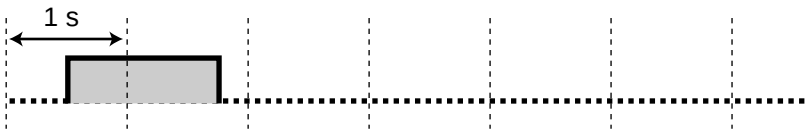
- The feature setting was completed successfully.
- Before paging through an external speaker
- The new setting is same as the previous setting by Station / User Programming.



Confirmation Tone 3

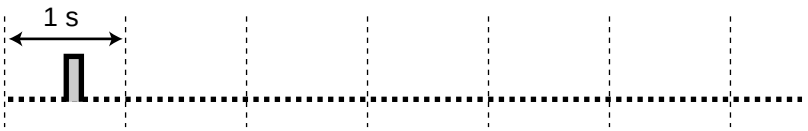
Before performing the following features:

- Retrieving a held call
- Picking up another call
- Paging / Answering a paged announcement
- Answering the call through a speaker



Confirmation Tone 4

Establishing or leaving a three-party conversation



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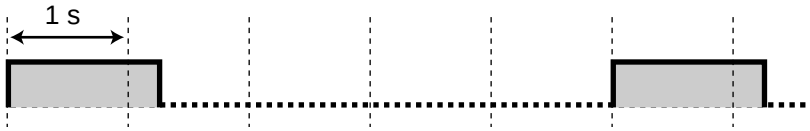
While on-hook [HK]

Ring Tone 1 / Hold Recall Tone

- An intercom call is ringing.
- An intercom call is held for more than a specified time (default: 60 seconds).

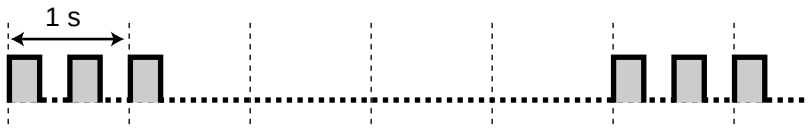
Ring Tone 2 / Hold Recall Tone

- An outside call is ringing.
- An outside call is held for more than a specified time (default: 60 seconds).



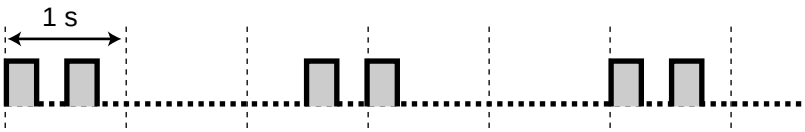
Ring Tone 3

- A doorphone call is ringing.
- The pre-set alarm time has arrived (Timed Reminder).



Ring Tone 4

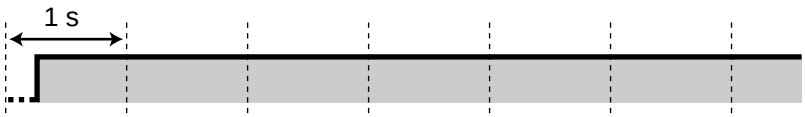
- A reserved outside line or extension became idle (Automatic Callback Busy).
- A caller is leaving a message in your mailbox (Live Call Screening-Private mode).



When going off-hook [HK]

Dial Tone 1

Normal (No features stated in Dial Tone 2 through 4 are set.)



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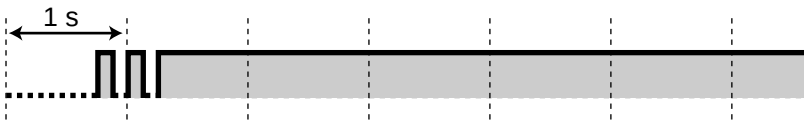
Dial Tone 2



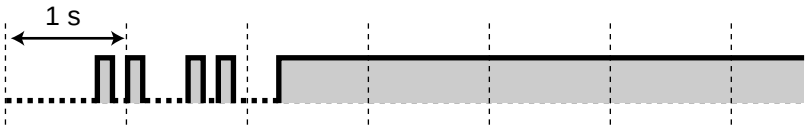
One or more of the following features are set.

- Alarm
- Forwarding Calls
- Call Waiting
- Calling a pre-set party by going off-hook
- Turning on the background music
- Showing a message to the caller
- Denying
  - — an indication tone
  - — an incoming call
- Denying other people the possibility of
  - — picking up your calls
  - — using your telephone
  - — joining your call
  - — making a paging announcement through your PT

Dial Tone 3

- The alarm is being answered.
- Enter an account code or DISA User code to turn off the tone.

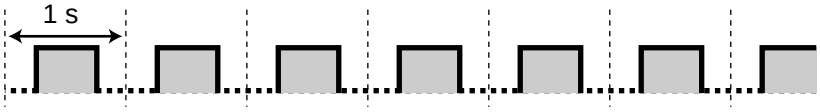
Dial Tone 4



Message Waiting indication was received.

When you make calls [HK]

Busy Tone



Reorder Tone 1

- The outside line you tried to seize is not assigned or denied.
- The wrong account code was entered.

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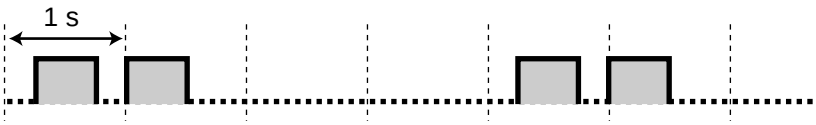
Reorder Tone 2

Ringback Tone 1



Ringback Tone 2

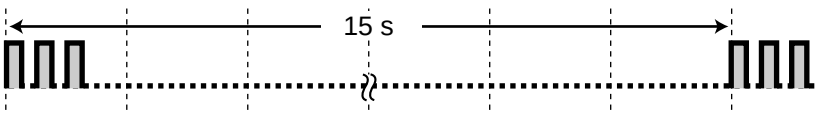
Do Not Disturb [DND] Tone

The dialled extension is denying incoming calls.

While off-hooking [HK]

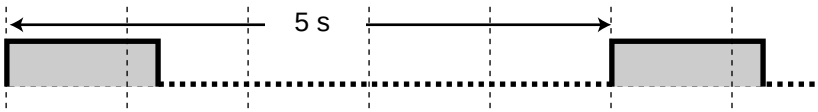
Call Waiting Tone 1 (outside / intercom)

Call waiting tone from another extension / outside line



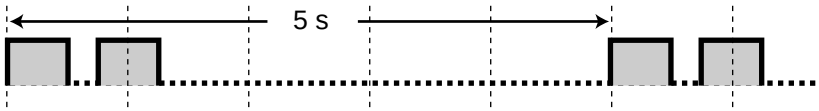
Call Waiting Tone 2 (outside)

Call waiting tone from an outside line



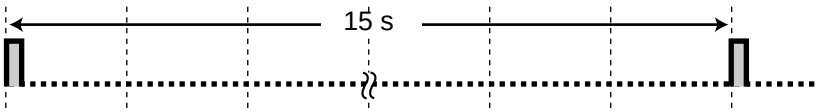
Call Waiting Tone 2 (intercom)

Call waiting tone from another extension



Hold Alarm Tone

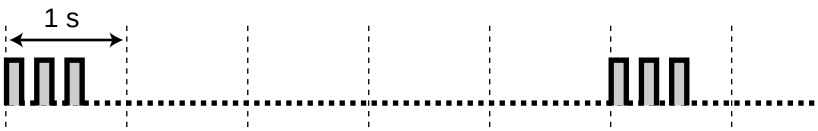
A call is held for more than a specified time (default: 60 seconds).



During a call between two external parties [HK]

Warning Tone

This tone is sent to both parties 15, 10 and 5 seconds before the time limit.



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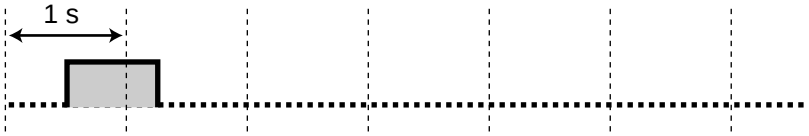
When setting the features or programming [HK]

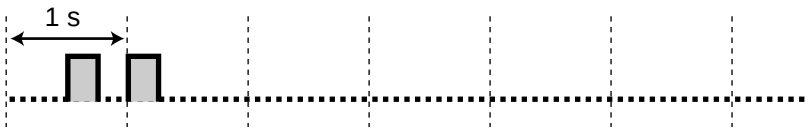
Confirmation Tone 1

- The new setting differs from the previous setting by Station / User Programming.
- Changing the setting by Station / User Programming was completed successfully.



Confirmation Tone 2

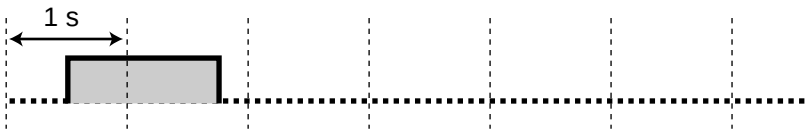
- The feature setting was completed successfully.
- Before paging through an external speaker
- The new setting is same as the previous setting by Station / User Programming.



Confirmation Tone 3

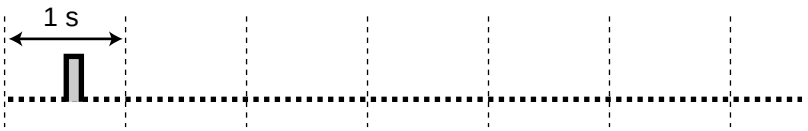
Before performing the following features:

- Retrieving a held call
- Picking up another call
- Paging / Answering a paged announcement
- Answering the call through a speaker



Confirmation Tone 4

Establishing or leaving a three-party conversation



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5.5 Specifications

General Description

Item	Description	
System Capacity	CO lines Stations	192 max. 448 max.
Power Supplies	Primary Secondary Power Failure	220-240 V AC, 50/60 Hz Station Supply Volt: 30 V Circuit Volt: ±5 V, ±15 V • Memory backup duration: seven years with a factory-provided lithium battery • Power Failure Transfer function is provided. • System operation for about four hours using recommended batteries (consisting of two 12 V DC 40 Ah Automobile-type batteries)
Dialling	Outward/Internal Mode Conversion	Dial Pulse (DP) 10 pps, 20 pps, Tone (DTMF) Dialling DP-DTMF, DTMF-DP
Connector	CO lines ISDN lines Stations Paging Output External Music Input	Amphenol Connector Modular Jack (RJ45) Amphenol Connector Pin Jack (RCA JACK) Two-conductors Jack (MINIJACK 3.5 mm in diameter)
SMDR (Station Message Detail Recording)	Interface Output Equipment Detail Recording	Serial Interface (RS-232C)(D-SUB, 25-pin) Printer/Personal Computer Date, Time, Extension Number, Outside Line Number, Dialled Number, Ring Duration, Call Duration, Account Code, Caller ID, Timed Reminder

Characteristics

Item	Description
Maximum Number of Station Instruments per Line	1 or 2 by Parallel or eXtra Device Port Connection of a Proprietary Telephone and a Single Line telephone
Ring Voltage	75 Vrms at 25 Hz depending on the ringing load
Environmental Requirements	0 - 40 ° C, 10 - 90 % relative humidity

Notice:

- The power supply voltage of the main unit may differ from the values described in the table above depending on the suffix of the model number, please consult your dealer for detailed information.

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Quick Reference Card

To Make Calls

- **Intercom:** Ext. no.
- **Operator:** 0
- **External Party:** (9 or 801-848) + Phone no.
- **Station Speed Dialling:** 3 ✳ + No. 0-9
- **System Speed Dialling:** ✳ + No. 000-999
- **Doorphone:** 3 1 + No. 1-8

When a Line is Busy

- **Reserving a busy line:** 6
- **Sending a call waiting tone:** 1
- **Redialling the last dialled number:** #

To Pick Up Someone's Call

- **Outside Call:** 4 ✳
- **Specified Extension:** 4 1 + Ext. no.
- **Extension Group:** 4 0

During a Conversation

- **Holding:** + 5 0 +
- **Retrieving:** + 5 0
- **Transferring:** + Dial no.
- **Answering Call Waiting:** + 5 0 + +

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Locking / Unlocking Your Phone

- **Lock:** 7 6 2 + 3-digit desired code + same code
- **Unlock:** 7 6 2 + Stored code

Settings

- **Storing the number for Station Speed Dialling:**
  3 0 + No. 0-9 + 9 or 801-848 + Phone no. + #
- **Call Waiting:**
  — Set: 7 3 1 1
  — Cancel: 7 3 1 0

Frequently Used Features at Your Extension

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- **Doorphone:** 3 1 + No. 1-8

When a Line is Busy

- **Reserving a busy line:** 6
- **Sending a call waiting tone:** 2
- **Redialling the last dialled number:** #

To Pick Up Someone's Call

- **Outside Call:** 4 ✳
- **Specified Extension:** 4 1 + Ext. no.
- **Extension Group:** 4 0

During a Conversation

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Printed in Japan **PSQX2436WA** KK1100MN4013 (BX)

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