

Advanced Hybrid System

Panasonic

# USER MANUAL

*Please read this manual before  
using the Advanced Hybrid System.*

**MODEL NO.**  
KX-TA624



Thank you for purchasing this Panasonic Telephone System.

## ***System Components***

	<b>Model No.</b>	<b>Description</b>
<b>Service Unit</b>	KX-TA624	Advanced Hybrid System (Main Unit)
<b>Telephone</b>	KX-T7020 KX-T7030 KX-T7130 KX-T7050 KX-T7055	EMSS Proprietary Telephone EMSS Proprietary Telephone with Display EMSS Proprietary Telephone with Display EMSS Proprietary Telephone EMSS Proprietary Telephone
<b>Optional Equipment</b>	KX-T7040	DSS Console
<b>User-supplied Equipment</b>	Single Line Telephones	

### **For your future reference**

SERIAL NO. \_\_\_\_\_ DATE OF PURCHASE \_\_\_\_\_  
(found on the side of the unit)

NAME OF DEALER \_\_\_\_\_

DEALER'S ADDRESS \_\_\_\_\_

## *Cautions*

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### **When using the KX-T7000 series, please note the following:**

- If a problem occurs, unplug the extension line and connect to a known working phone. If the known working phone operates properly, have the defective phone repaired by a specified Panasonic Factory Servicenter. If the known working phone does not operate properly, check the Advanced Hybrid System and the internal extension wiring.
- Keep the unit away from heating appliances and electrical noise generating devices such as fluorescent lamps and motors.
- The unit should be kept free of dust, moisture and vibration, and should not be exposed to direct sunlight.
- 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.

### **When you ship the product**

Carefully pack and send it prepaid, adequately insured and preferably in the original carton. Attach a postage-paid letter, detailing the symptom, to the outside of the carton. DO NOT send the product to the Executive or Regional Sales offices. They are NOT equipped to make repairs.

### **Product service**

Panasonic Servicenters for this product are listed in the servicenter directory. Consult with your authorized Panasonic dealer for detailed instructions.

### **WARNING:**

**TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS PRODUCT TO RAIN OR ANY TYPE OF MOISTURE.**

### **Accessory Order Information**

- Replacement parts and accessories are available through your local authorized parts distributor.
- For ordering accessories, call toll free 1-800-332-5368.

Part No.	Illustration	Description	Dimensions
<b>KX-J07W/B</b>			7 feet
<b>KX-J15W/B</b>		Handset cord	15 feet
<b>KX-J25W/B</b>			25 feet

W: White

B : Black

# *Introduction*

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## **Who Should Use This Manual**

This manual is designed for users of an Advanced Hybrid System, model number KX-TA624. It is to be used after the system is installed and System Programming is completed. The focus is Proprietary Telephones (PTs); KX-T7020/KX-T7030/KX-T7130/KX-T7050/KX-T7055, Single Line Telephones (SLTs) and their features. The step-by-step procedures required to activate each feature are explained in detail. Illustrations of the KX-TA624 system and the required System Programming are provided separately in the Installation Manual.

## **How to Use This Manual**

This manual consists of the following sections.

***(Section 1) PT Overview***

Provides configuration information on PTs. It also provides an illustration of each telephone, identifies their feature buttons, supplies background information on these feature buttons, and gives the initial settings.

***(Section 2) Station Programming (Personal Programming)***

Provides the steps required to assign features to PT flexible buttons and to the PT system.

***(Section 3) Telephone Features***

Provides background information on the PT and SLT features and lists the steps required to activate each feature.

***(Section 4) DSS Console Features (KX-T7040)***

Provides background information on the DSS Console features and lists the steps required to activate each feature.

***(Section 5) Appendix***

Provides PT Display Examples, a Feature Number List, Tone List, and other information.

# *Introduction*

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## *Features and Capabilities*

KX-TA624 is a sophisticated and powerful system which fulfills your expectations of an office communications system. Some of the special features are listed below.

- **Automatic Callback Busy (Camp-On)** informs you when the selected outside (CO) line or the called party becomes idle.
- **Call Log, Incoming (— Option)** allows you to confirm the incoming outside call information on the display. You can also call back the caller by selecting one of the logged numbers. This feature is available only for the KX-T7030 and KX-T7130.
- **Conference, Unattended** allows you to leave a conference and let the other two parties continue a conversation when you are in a conference with two outside parties. You can also return to the conference.
- **Data Line Security** prohibits various tones, such as a call waiting tone or hold recall tone, from sounding at an extension in the data communication mode. It also blocks overriding by other extensions, such as Executive Busy Override.
- **Direct Inward System Access (DISA)** allows external callers to call extensions in the system. If an optional card is installed, an outgoing message will greet the caller and give information about how to access an extension.
- **Doorphone and Door Opener (— Option)** enables a conversation between you and a visitor at the door. You can also unlock the door for a few seconds from your phone.
- **Executive Busy Override** allows you to enter into an existing conversation at an extension/outside (CO) line.
- **Message Waiting** allows you to leave a message notice for another extension. The message waiting lamp (MESSAGE indicator) gives visual indication that a message has been received.
- **Paralleled Telephone Connection** allows you to connect your PT in parallel with a single line telephone. Each telephone can have the same extension number so that you can use either telephone.
- **Voice Mail Integration (— Option)** enables forwarding any incoming call to Voice Mail. Recording or playing back the message(s) is also available. To use Voice Mail services, installing a Voice Processing System (VPS) is required.

# ***Introduction***

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## **Terms Used in the Descriptions**

### ***Feature Numbers***

A feature number is an access code for various features when programming or executing features using proprietary or single line telephones connected to the system. You can access available features by dialing the corresponding feature number (and additional parameter, if required).

The lists of feature numbers are shown in the Appendix (Section 5).

#### ***If you use a rotary telephone;***

It is not possible to access features that have “\*” or “#” in their feature numbers.

### ***Tones***

Various tone types, such as a Confirmation tone, Dial tone, Call Waiting tone, etc. are explained in the Appendix (Section 5).

### ***Display***

The PT display examples are given in each operation step, if required. The display information list is in the Appendix for your reference.

### ***Programming References***

The related and required programming titles are noted for your reference.

System Programming should be done by the extension which is connected to jack number 01. A KX-T7030 and KX-T7130 can be used for this programming. Station Programming is individual programming at your own proprietary telephone (PT). You can customize the extension to your needs using any type of proprietary telephone.

### ***Feature References***

The related feature titles are noted for your reference.

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# *Section 1*

## *PT Overview*

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### **<Note>**

All illustrations used in the initial settings are based on the KX-T7130 model.

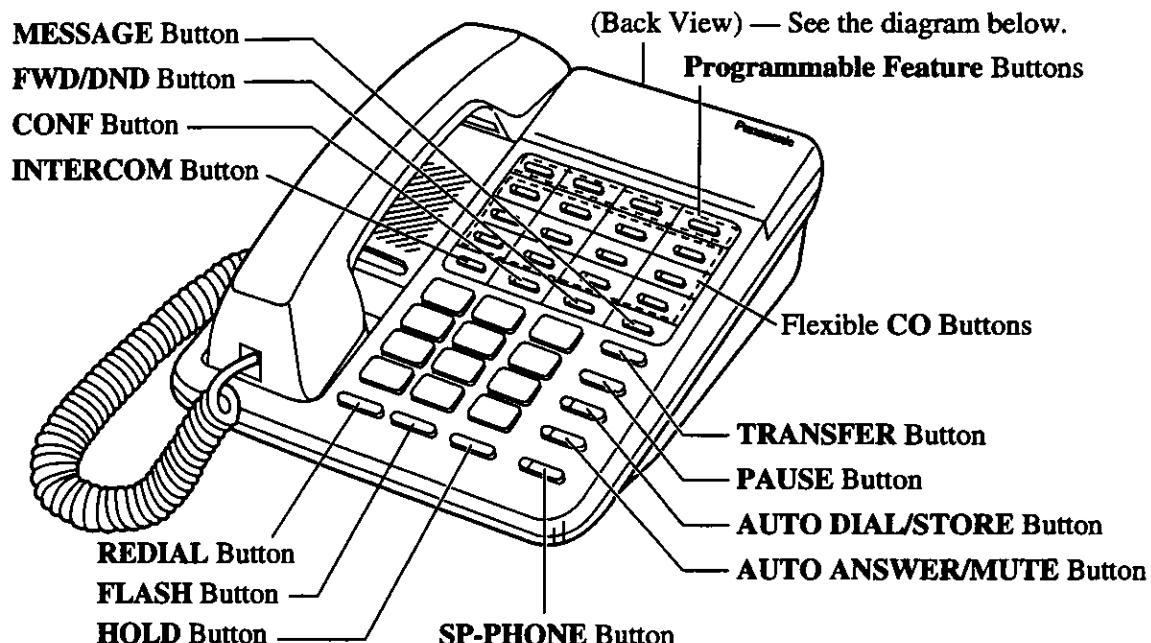
Panasonic Proprietary Telephones (PTs) are available to utilize various features of the KX-TA624 System, in addition to supporting basic telephone services (making and receiving calls).

There are five PT models.

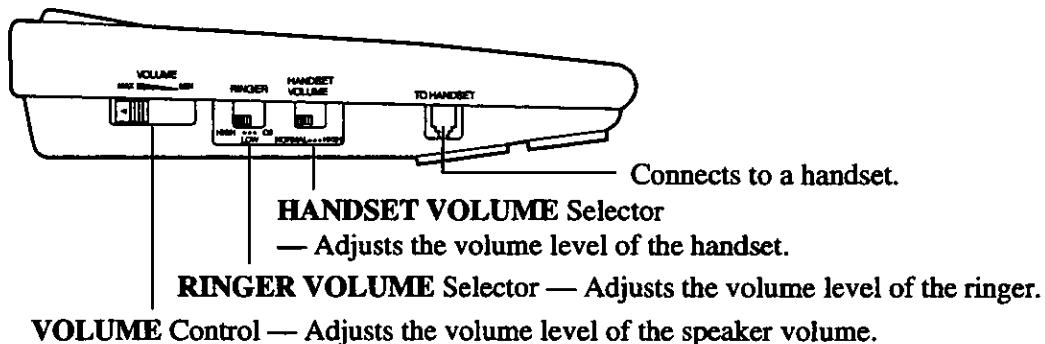
	<b>KX-T7020</b>	<b>KX-T7030</b>	<b>KX-T7130</b>	<b>KX-T7050</b>	<b>KX-T7055</b>
<b>Display</b>	None	16 char./line	16 char./line	None	None
<b>Speakerphone</b>	Yes	Yes	Yes	Monitor only	Monitor only
<b>CO Buttons</b>	12	12	12	12	3
<b>Programmable Feature Buttons</b>	4	4	12	4	3
<b>Fixed Feature Buttons</b>	Refer to the "Fixed Buttons" (1.1 Configuration) section.				

*Location of Controls*

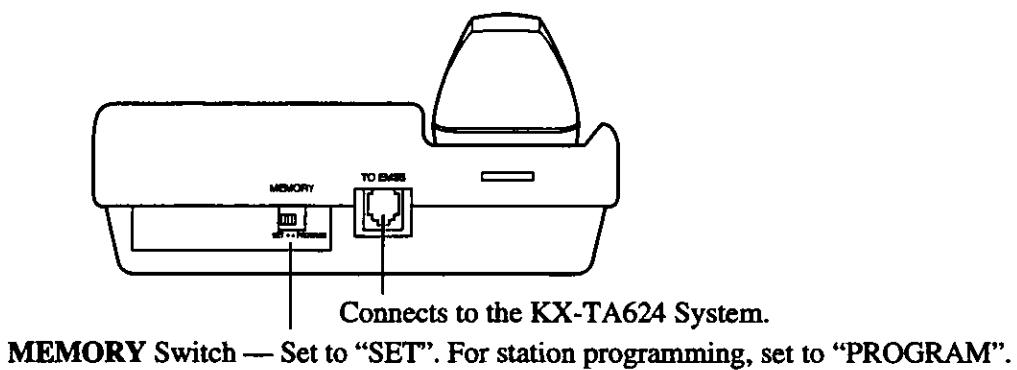
## ■ KX-T7020



## &lt;Side View&gt;



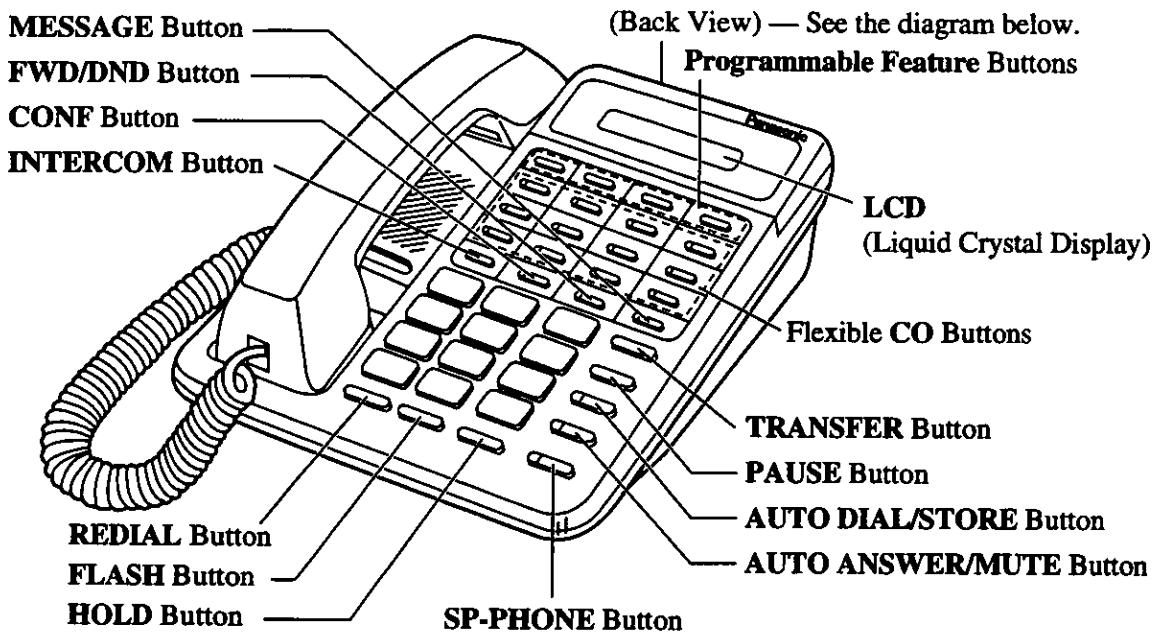
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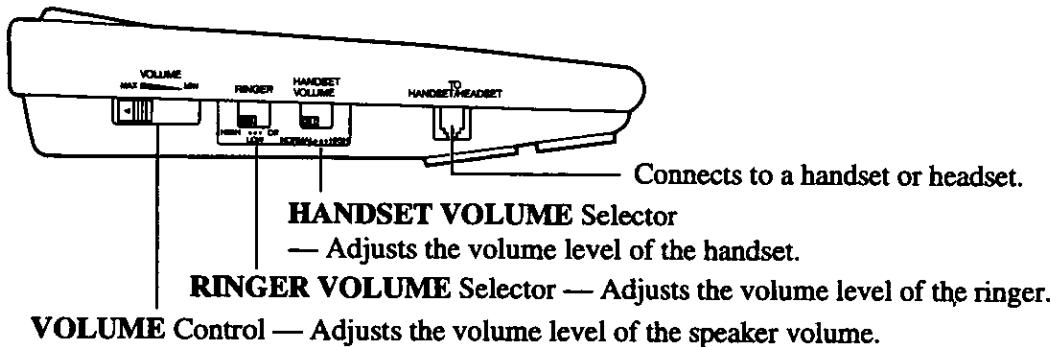
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## Configuration

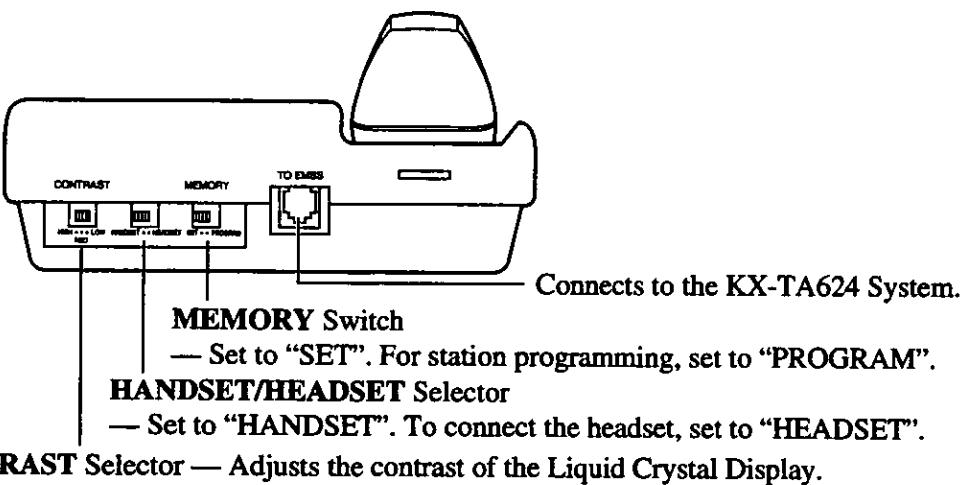
### ■ KX-T7030



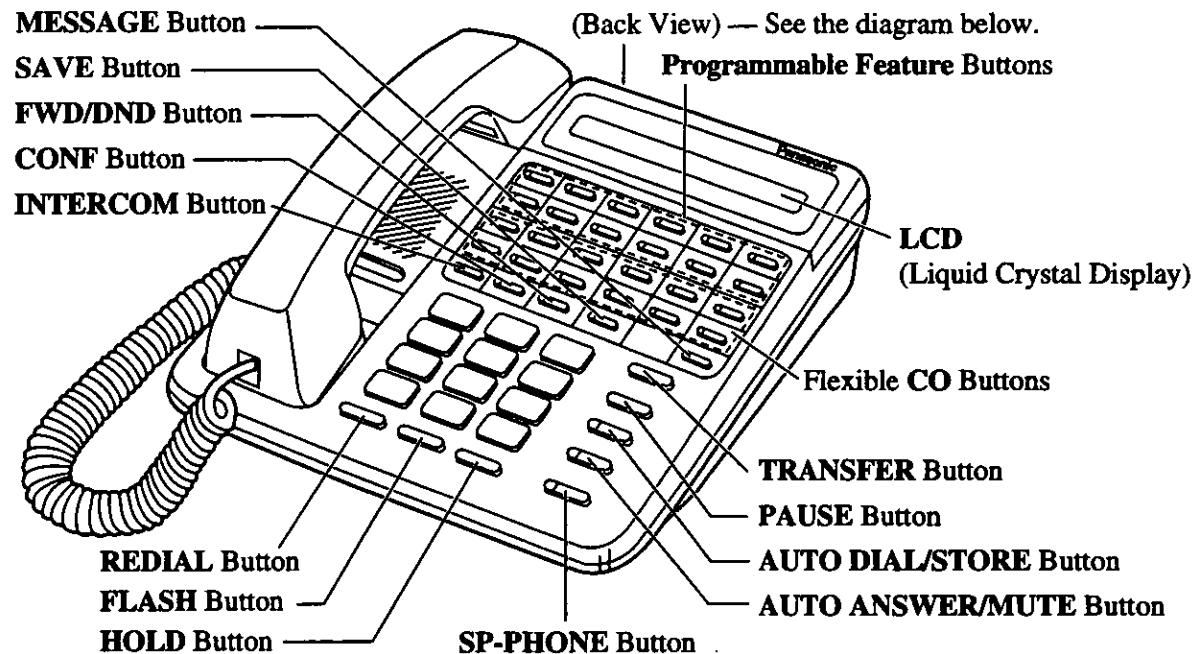
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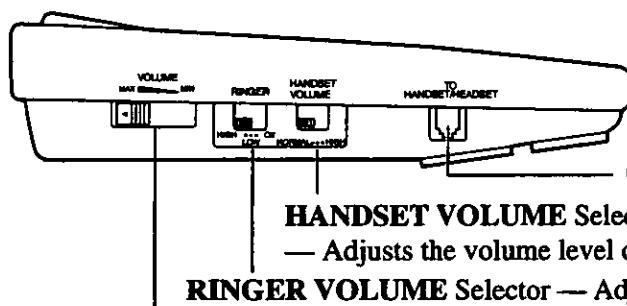
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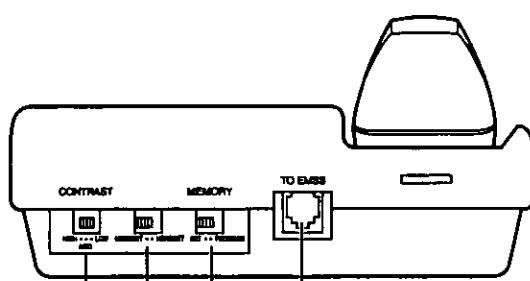
## ■ KX-T7130



## &lt;Side View&gt;



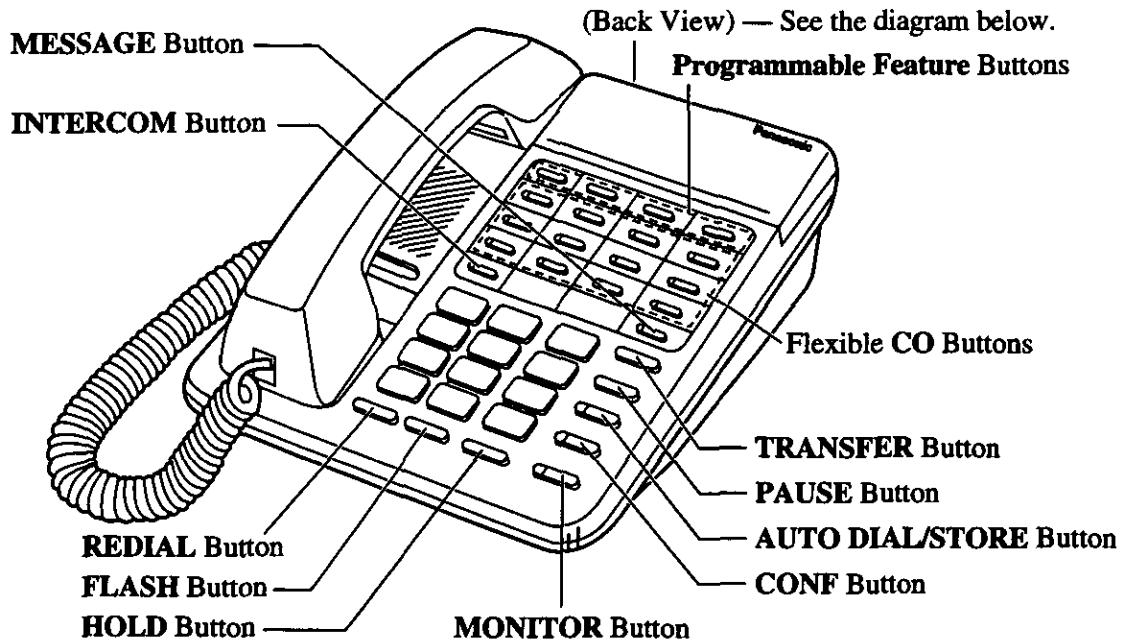
## &lt;Back View&gt;



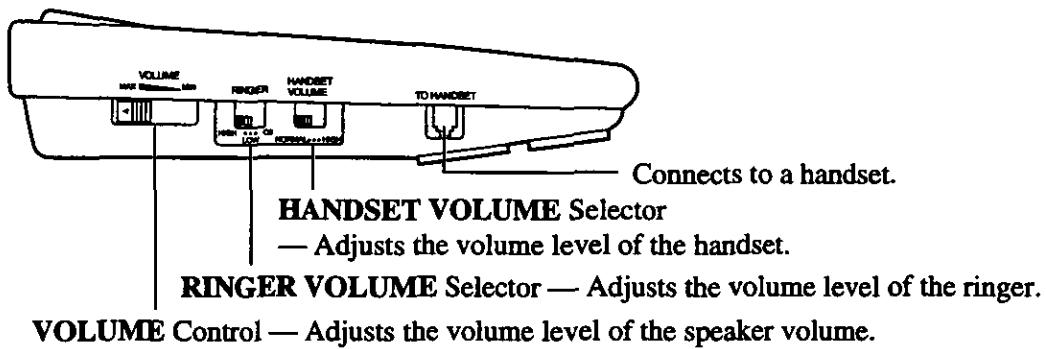
## 1.1

## Configuration

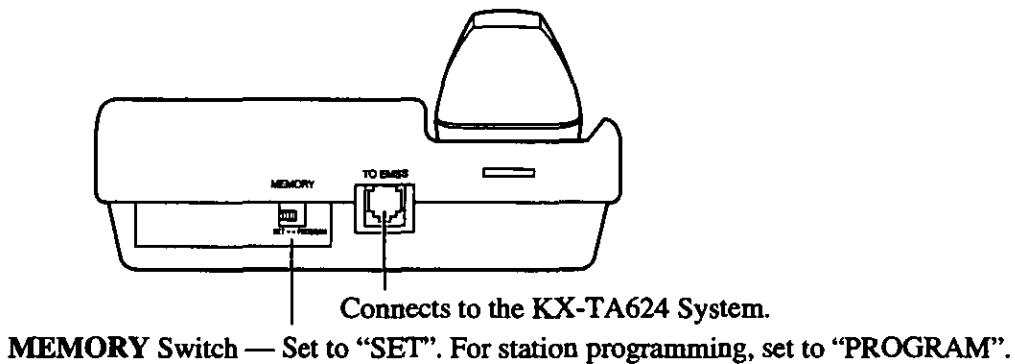
### ■ KX-T7050



### <Side View>



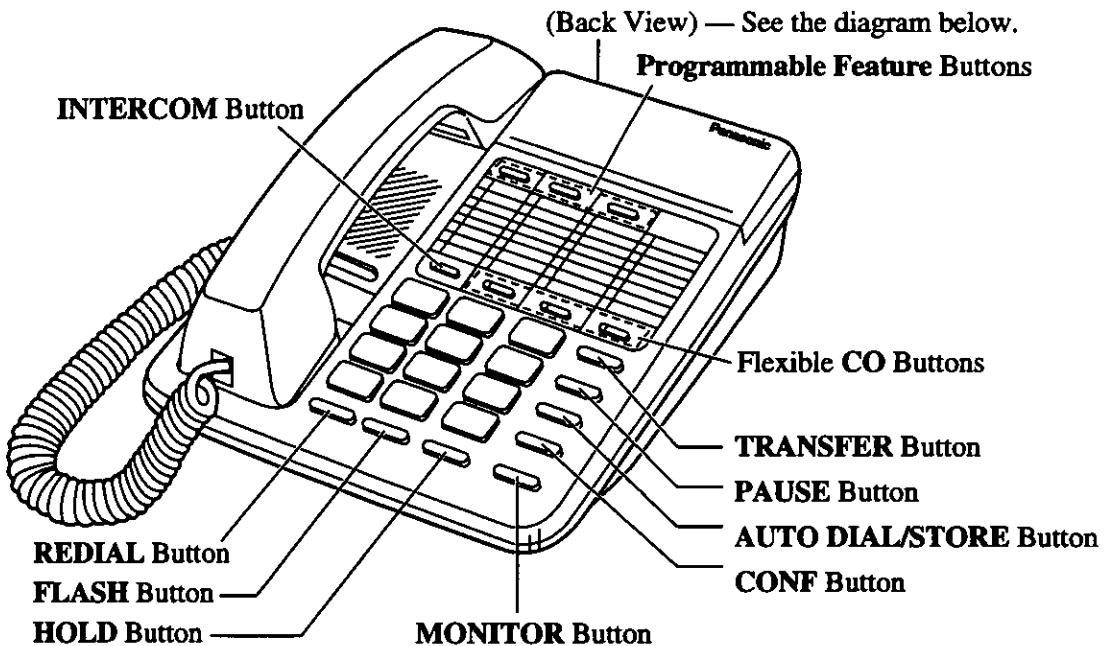
### <Back View>



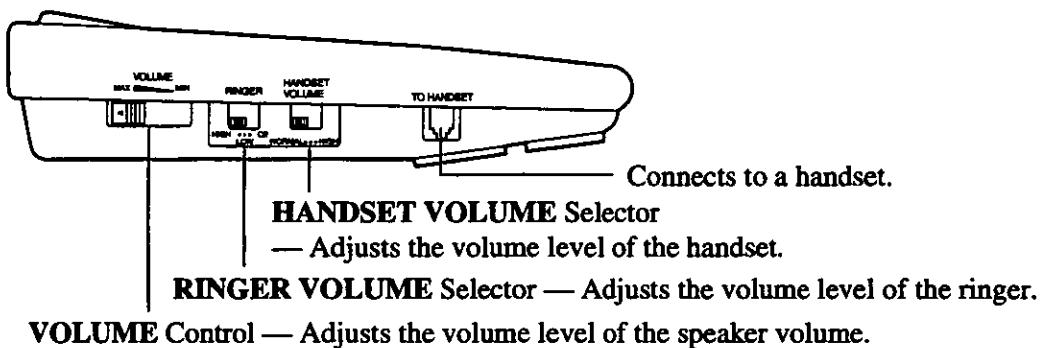
## 1.1

## Configuration

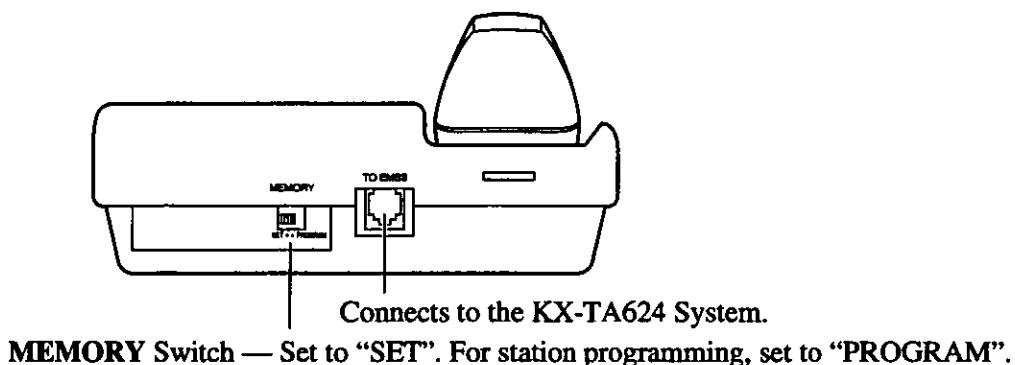
### ■ KX-T7055



### <Side View>



### <Back View>



## *Feature Buttons*

PTs have the following types of Feature Buttons.

- **Fixed Buttons**
- **Flexible CO Buttons**
- **Programmable Feature Buttons**

### *Fixed Buttons*

Fixed buttons have specific features permanently assigned to them. These default feature assignments cannot be changed. The following table lists the fixed buttons located on each PT model.

Feature Button	T7020	T7030	T7130	T7050	T7055
AUTO ANSWER/MUTE	✓	✓	✓		
AUTO DIAL/STORE	✓	✓	✓	✓	✓†
CONF	✓	✓	✓	✓	✓
FLASH	✓	✓	✓	✓	✓
FWD/DND	✓	✓	✓		
HOLD	✓	✓	✓	✓	✓
INTERCOM	✓	✓	✓	✓	✓
MESSAGE	✓	✓	✓	✓	
MONITOR				✓	✓†
PAUSE	✓	✓	✓	✓	✓
REDIAL	✓	✓	✓	✓	✓
SAVE			✓		
SP-PHONE	✓	✓	✓		
TRANSFER	✓	✓	✓	✓	✓

“✓” indicates the button is available.

†: The button is not provided with an LED (Light Emitting Diode).

***Usage******AUTO ANSWER/MUTE Button***

Used for answering an extension automatically, or turns the microphone off during a conversation.

***AUTO DIAL/STORE Button***

Used for System Speed Dialing or storing program changes.

***CONF (Conference) Button***

Used to establish a three-party conference.

***FLASH Button***

Sends an External Feature Access signal to the central office or host PBX to access their system features. If a PBX is not being used, this button can be used to disconnect the current call and start another call without hanging up.

***FWD/DND (Call Forwarding/Do Not Disturb) Button***

Used to program the Call Forwarding feature or set the Do Not Disturb (DND) feature.

***HOLD Button***

Used to place a call on hold.

***INTERCOM Button***

Used to make or receive intercom calls.

***MESSAGE Button***

Used to call back the message sender.

***MONITOR Button***

Used for a handsfree dialing operation.

***PAUSE Button***

Inserts a pause in speed dial numbers or in other numbers.

***REDIAL Button***

Used for Last Number or Automatic Redialing.

***SAVE Button***

Used for Saved Number Redialing.

***SP-PHONE (Speakerphone) Button***

Used for a handsfree speakerphone operation.

***TRANSFER Button***

Transfers a call to another extension or external destination.

## *Flexible Buttons*

Flexible Buttons do not have specific features permanently assigned to them. Features are assigned to Flexible Buttons through Station Programming. "Flexible Button Assignment" is addressed in Station Programming (Section 2). The four types of Flexible Buttons are as follows.

- **Flexible CO Buttons** (located on a PT only)
- **Flexible DSS Buttons** (located on a DSS Console only)
- **Programmable Feature (PF) Buttons** (located on a PT and DSS Console)
- **Flexible MESSAGE Buttons** (located on a PT except the KX-T7055)

The following table outlines the features that can be assigned to the Flexible Buttons.

Feature (Buttons)	CO	DSS	PF	MESSAGE
Single-CO (S-CO)	✓	—	—	—
Group-CO (G-CO)	✓	—	—	—
Other-CO (O-CO)	✓	—	—	—
Caller ID Indication	✓	—	—	—
Caller ID Selection	✓	—	—	—
Conference (CONF)	✓	—	—	—
FWD/DND	✓	—	—	—
Log-In/Log-Out	✓	—	—	—
SAVE	✓	—	—	—
Day	—	✓	—	—
Lunch	—	✓	—	—
Night	—	✓	—	—
Station Lock	—	✓	—	—
DSS	✓	✓	—	✓
Message Waiting (MESSAGE)	—	—	—	✓
One-Touch Dialing	✓	✓	✓	✓

"✓" indicates that the feature is available.

## *Line Access Buttons*

One of the following three types of CO buttons must be used to seize an outside (CO) line when making a call.

- **Group-CO (G-CO) button**
- **Other-CO (O-CO) button**
- **Single-CO (S-CO) button**

### *Conditions*

- A flexible CO button can be assigned as a Line Access Button (G-CO, O-CO or S-CO) in Station Programming. Once a flexible CO button is assigned as a Line Access Button, it provides the line status using lighting patterns and color indication. Please refer to "LED Indication" in this section.
- You can set the G-CO and S-CO buttons on one telephone. Incoming and outgoing calls on the line are shown on the button in the following priority.  
S-CO > G-CO

## *Group-CO (G-CO) Button*

To use outside (CO) lines efficiently, a group of outside (CO) lines (outside (CO) line group) can be assigned to a CO button. This button is referred to as Group-CO (G-CO) button. Any incoming calls from any outside (CO) line in the outside (CO) line group arrive at the G-CO button. To make an outside call, you can access an idle outside (CO) line in the group by simply pressing the assigned G-CO button.

### *Conditions*

- The same line can be assigned as an S-CO button and G-CO button.
- The extension for making and/or receiving calls in outside (CO) line groups must be programmed.
- When your extension is assigned as the incoming call destination for an outside (CO) line, you cannot receive any incoming outside calls unless a G-CO, O-CO or S-CO button associated with the line is assigned.

## *Programming Reference*

- Station Programming (Section 2)  
Flexible Button Assignment — Group-CO (G-CO) Button

## *Feature References*

- Feature Buttons — Flexible Buttons (Section 1.1 Configuration)  
Outward Dialing, Line Access — Line Access, Outside (CO) Line Group

## ***Other-CO (O-CO) Button***

Outside (CO) lines which are not assigned to S-CO or G-CO buttons can be assigned to a flexible CO button on a proprietary telephone. The assigned button serves as the O-CO button. An incoming call, on assigned outside (CO) lines, arrives at the O-CO button. To make an outside call, you simply press the designated O-CO button.

### ***Programming Reference***

- Station Programming (Section 2)  
Flexible Button Assignment — Other-CO (O-CO) Button

### ***Feature References***

Feature Buttons — Flexible Buttons (Section 1.1 Configuration)  
Outward Dialing, Line Access — Line Access, Automatic

## ***Single-CO (S-CO) Button***

An S-CO button is an outside (CO) line access button. This allows you to access a specific line by pressing an S-CO button. An incoming call can be directed to an S-CO button.

### ***Conditions***

- Only one S-CO button can be assigned to an outside (CO) line.
- The same outside (CO) line can be assigned as an S-CO button and G-CO button.

### ***Programming Reference***

- Station Programming (Section 2)  
Flexible Button Assignment — Single-CO (S-CO) Button

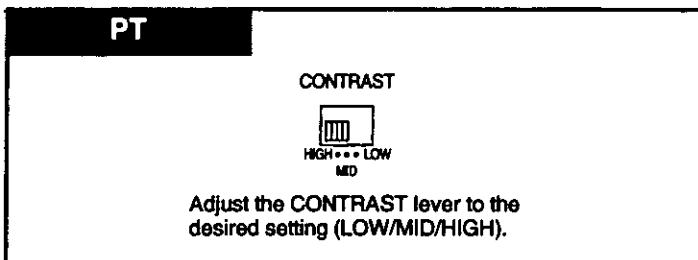
### ***Feature References***

Feature Buttons — Flexible Buttons (Section 1.1 Configuration)  
Outward Dialing, Line Access — Line Access, Individual

## *Initial Settings*

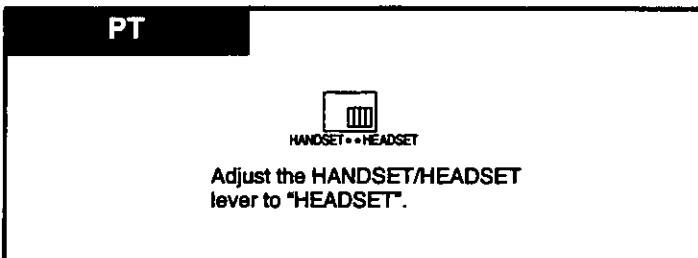
### **Display Contrast Adjustment (KX-T7030 and KX-T7130 only)**

The CONTRAST selector is used to adjust the display contrast.



### **When using the headset (KX-T7030 and KX-T7130 only)**

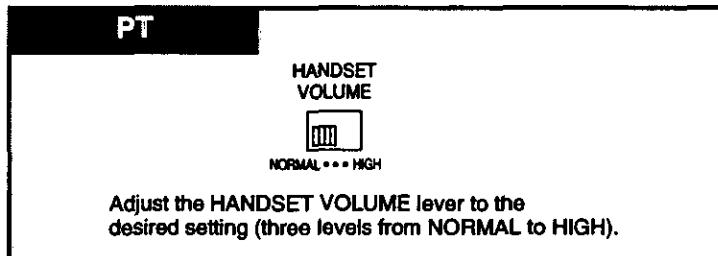
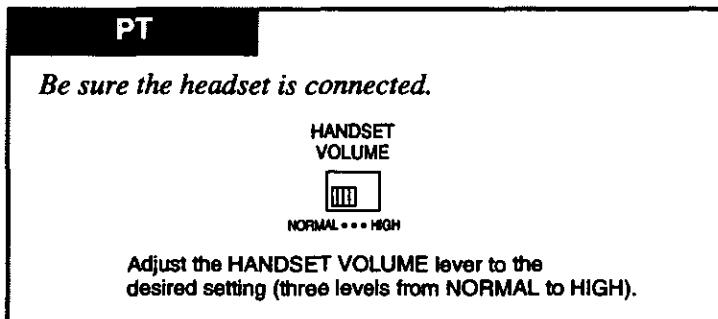
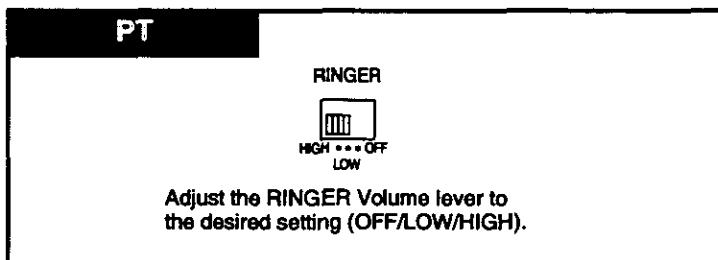
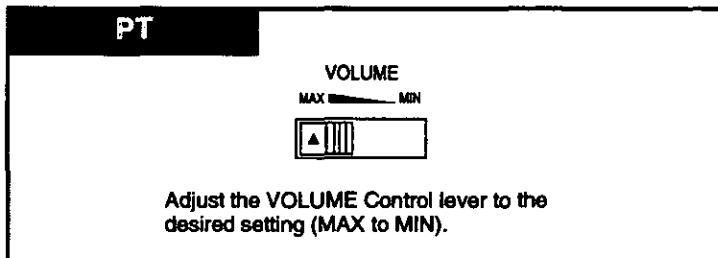
The Panasonic Advanced Hybrid System supports the use of a headset on a proprietary telephone (PT). When you use the headset (optional), you should switch the selection mode first.



**Volume Control — Handset Receiver/Headset/Ringer/Speaker**

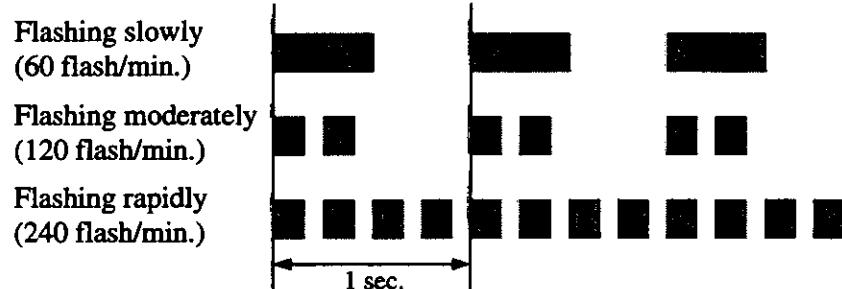
Allows you to adjust the following volumes as necessary.

- Handset Receiver volume
- Headset volume
- Ringer volume
- Speaker volume

**To adjust the handset receiver volume****To adjust the headset volume****To adjust the ringer volume****To adjust the speaker volume**

***LED Indication***

The Light Emitting Diode (LED) buttons indicate the line conditions with lighting patterns.

***Flashing light patterns******LED Indication on the INTERCOM Button***

The table below shows the lighting patterns for intercom line conditions.

INTERCOM button	Intercom Line Condition
Off	Idle
Green On	Intercom call / Conference established
Flashing Green Slowly	Intercom call hold
Flashing Green Moderately	Intercom call exclusive hold
Flashing Green Rapidly	Incoming intercom/doorphone call

***LED Indication on the CO Button***

The table below shows the lighting patterns for outside (CO) line conditions.

CO Button	Outside (CO) Line Condition
Off	Idle
Green On	I-use
Flashing Green Slowly	I-hold / Hold Recall
Flashing Green Moderately	I-exclusive hold / Outside-to-outside (CO-to-CO) line call / Conference, Unattended
Flashing Red Rapidly	Incoming call
Red On	Other-use
Flashing Red Slowly	Other-hold*

— Item with an \* is only available on a Single-CO button.

***BLF on DSS Button***

The Busy Lamp Field (BLF) indicator button is red when the corresponding extension is busy. This is available for flexible CO buttons assigned as DSS buttons on proprietary telephones and DSS buttons on DSS Consoles.



## ***Section 2***

# ***Station Programming***

## ***(Personal Programming)***

### ***Contents***

<b>2.1</b>	<b><i>Station Programming Instructions</i></b>	<b>2-2</b>
<b>2.2</b>	<b><i>Station Programming (Personal Programming) (A-Z)</i></b>	<b>2-6</b>

### ***<Note>***

All illustrations used in these operating instructions are based on the KX T7130 model.

Station Programming allows you, the proprietary telephone (PT) user, to program certain features from your telephone individually. To program, you need to switch your telephone to the Station Programming mode. During the programming mode, your telephone is busy to outside callers. If you want to make a normal call operation, you must finish the programming mode.

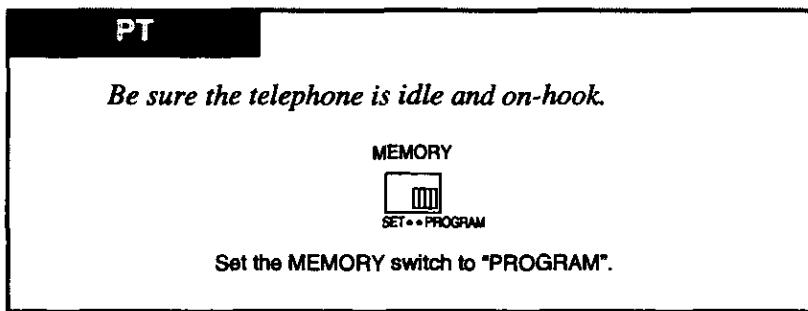
#### *Programming Mode Display*

When you enter the Station Programming mode, the display shows the following message as the initial programming mode.

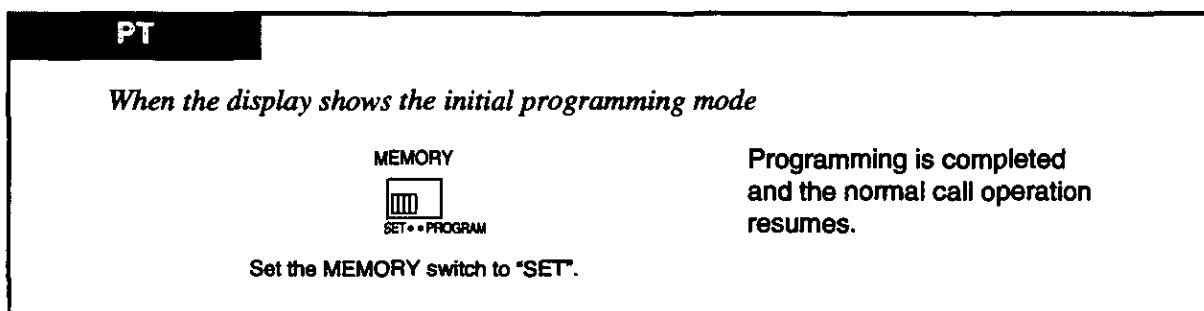
**PITS-PGM NO? →**

The display also gives you helpful or stored data information related to the programming steps. In this section, the display example in the programming steps are noted, if required. You can also refer to the "Display Examples" in the Appendix (Section 5).

#### *To enter the Station Programming mode*



#### *To exit the Station Programming mode*



#### *When storing data*

After pressing the STORE button to store data, you may hear one of the following tones.

- Confirmation tone (one beep): storage is completed.
- Confirmation tone (two beeps): the data is the same as the last entry.
- Alarm tone (three beeps): the entry is not valid.

## 2.1 Station Programming Instructions

### To confirm the assigned data

—Be sure that you are in the Station Programming mode. Set the MEMORY switch to "PROGRAM".

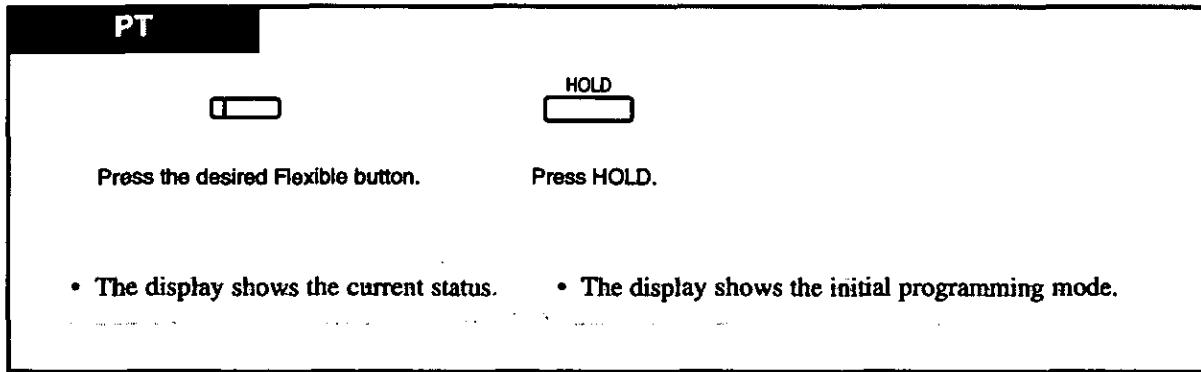
<b>PT</b>	
<b>program access number</b>	<b>HOLD</b>
Enter the program access number.	Press HOLD.
<ul style="list-style-type: none"><li>• The display shows the initial programming mode.</li></ul>	
<ul style="list-style-type: none"><li>• Enter the program access number* as follows.<ul style="list-style-type: none"><li>- 1: Preferred Line Assignment — Outgoing</li><li>- 2: Preferred Line Assignment — Incoming</li><li>- 3: Outside (CO) Line Ringing Selection</li><li>- 4: Intercom Alert Assignment</li><li>- 5: Call Waiting Tone Type Assignment</li><li>- 6: Self-Extension Number Confirmation (KX-T7030 and KX-T7130 only)</li><li>- 7: Extension Password Set (Manager only)</li><li>- 0: Date and Time Setting (Operator/Manager only)</li></ul></li><li>• The display shows the programmed data. <b>&lt;PT Display Example&gt;</b> When you press "5", the display shows: <b>C.W.Tone-1</b> — The Call Waiting tone is currently programmed to Tone 1.</li></ul>	

— To exit the Station Programming mode, set the MEMORY switch to "SET".  
— If you wish to change the data, follow the programming procedure explained in this section.

\* A program access number is required to program/confirm the data by Station Programming.

*To confirm the assigned data on the Flexible button*

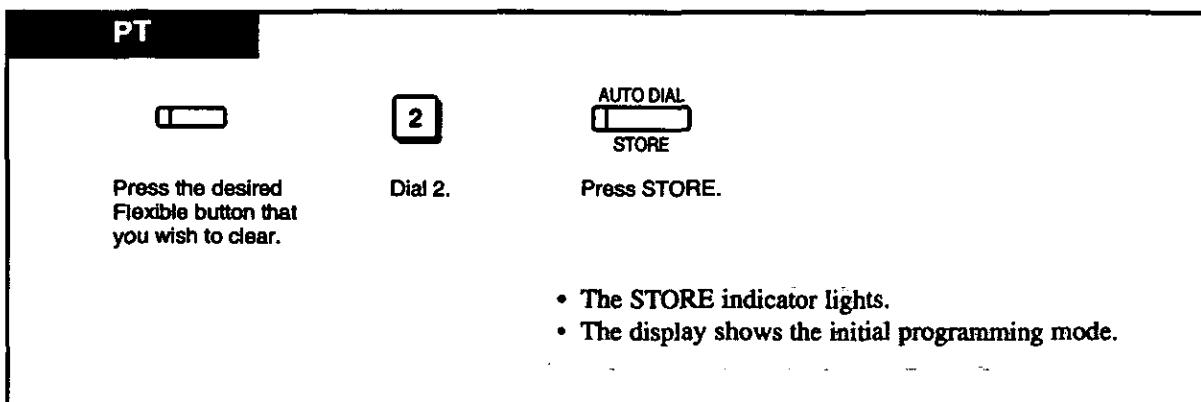
- Be sure that you are in the Station Programming mode. Set the MEMORY switch to "PROGRAM".



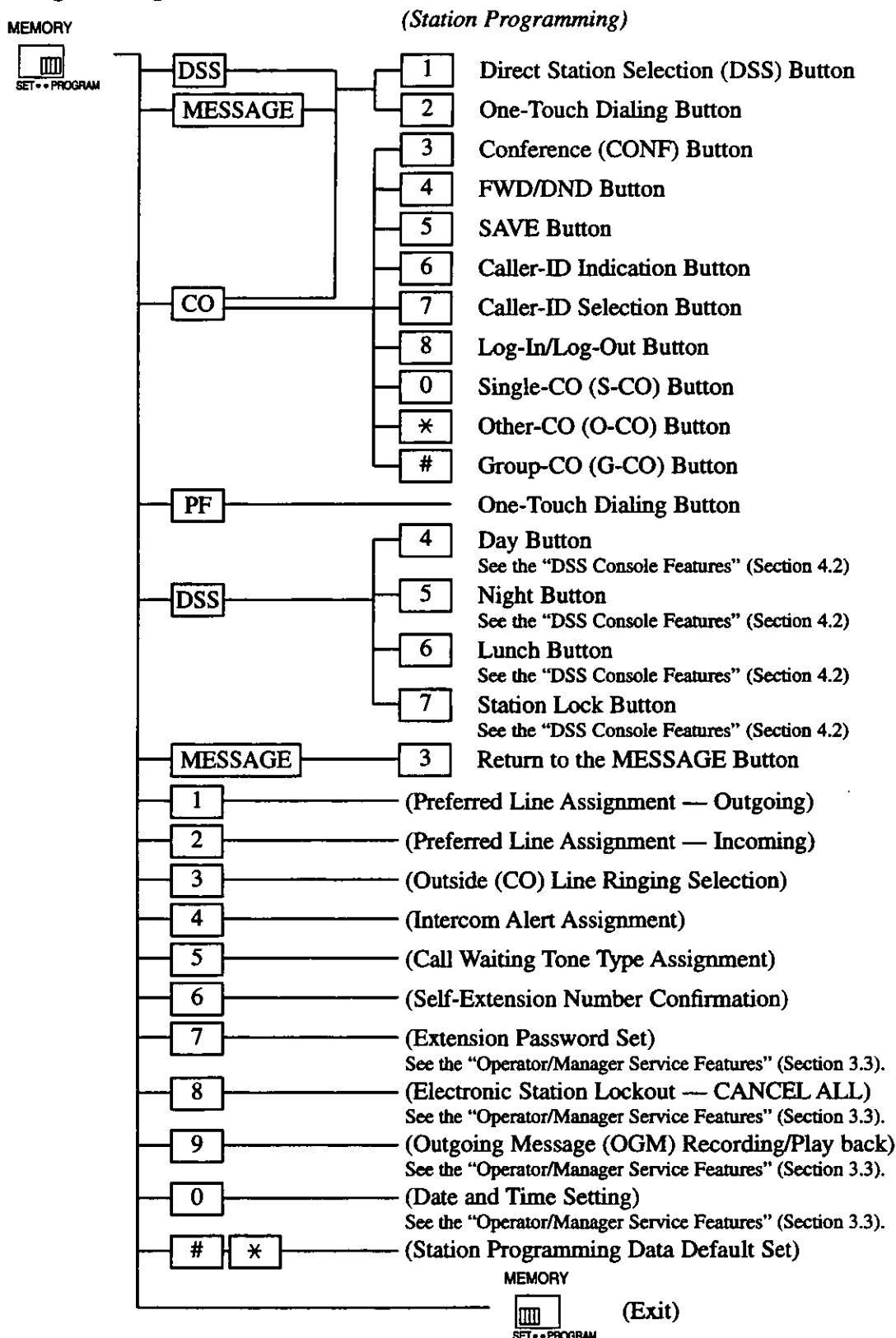
- To exit the Station Programming mode, set the MEMORY switch to "SET".
- If you wish to change the data, follow the programming procedure explained in this section.

*To clear the data on the Flexible button*

- Be sure that you are in the Station Programming mode. Set the MEMORY switch to "PROGRAM".



- To exit the Station Programming mode, set the MEMORY switch to "SET".
- The following outline contains the buttons and program access numbers used for Station Programming. Detailed operating instructions are explained in this section.

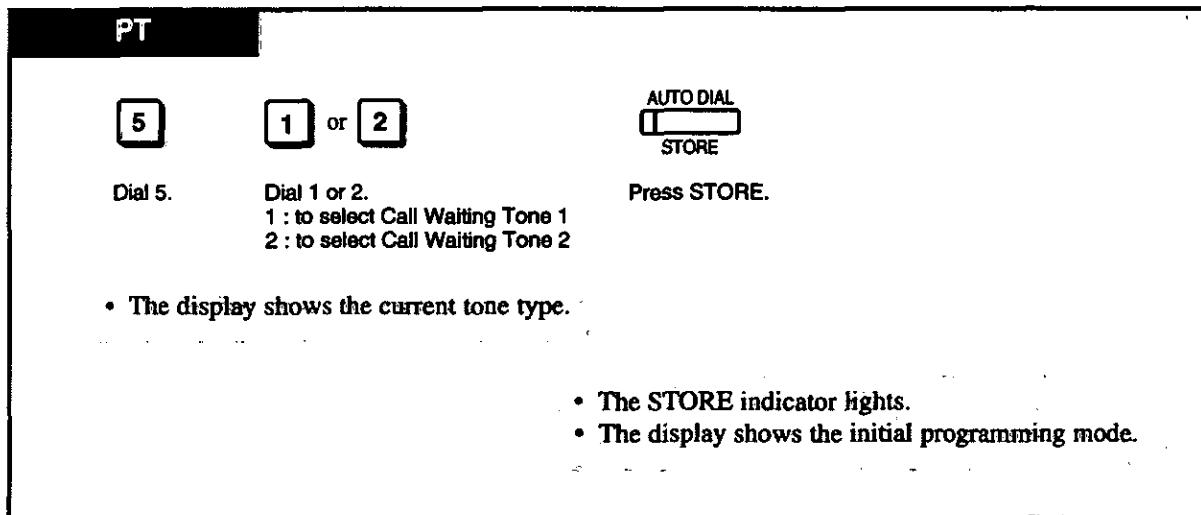
*Station Programming Outline*

## 2.2 Station Programming (Personal Programming)

### Call Waiting Tone Type Assignment

Allows you to select the call waiting tone type (Tone 1 or Tone 2).

- Be sure that you are in the Station Programming mode. Set the MEMORY switch to "PROGRAM".



- To exit the Station Programming mode, set the MEMORY switch to "SET".

#### Conditions

- The tone type patterns are described in the Appendix (Section 5).
- The default is "Tone 1".

#### Feature References

Busy Station Signaling (BSS)  
Call Waiting

## 2.2 Station Programming (Personal Programming)

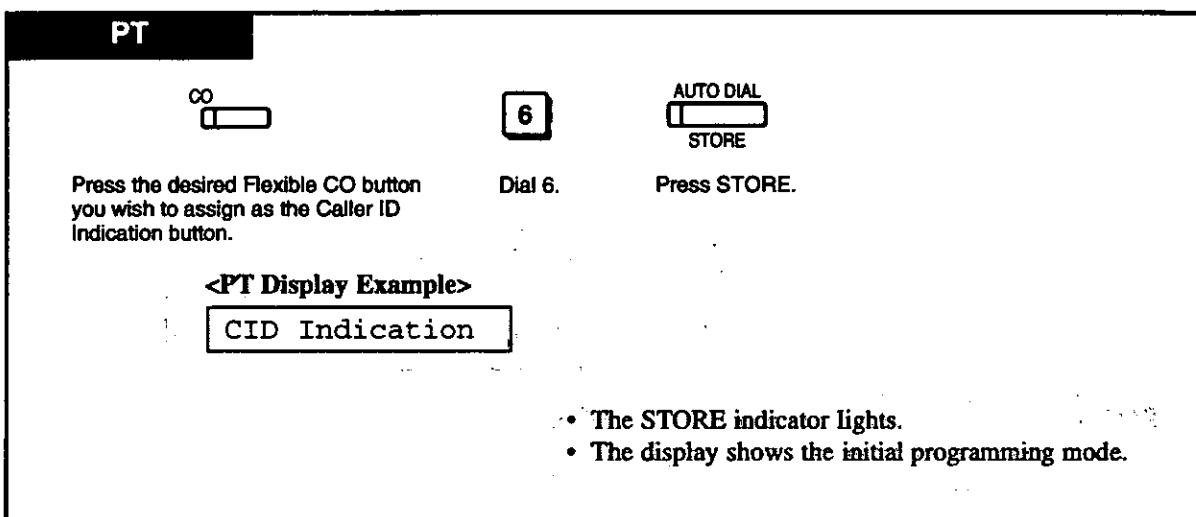
### Flexible Button Assignment

Each Flexible button on your telephone and the console can be assigned as various feature buttons such as a DSS Button, FWD/DND Button, etc. The assignable features are limited by the button type. Please refer to "Flexible Buttons" in Section 1.1.

#### Caller ID Indication Button (Assignment)

Allows you to assign a Flexible CO button as the Caller ID Indication button.

- Be sure that you are in the Station Programming mode. Set the MEMORY switch to "PROGRAM".



- To exit the Station Programming mode, set the MEMORY switch to "SET".

#### Feature References

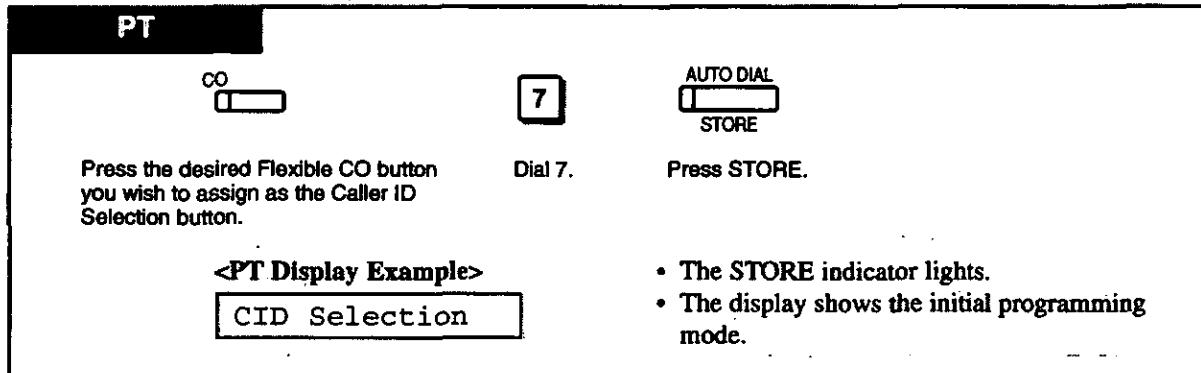
Call Information/Log, Incoming  
Call Log, Incoming

## 2.2 Station Programming (Personal Programming)

### Caller ID Selection Button (Assignment)

Allows you to assign a Flexible CO button as the Caller ID Selection button.

— Be sure that you are in the Station Programming mode. Set the MEMORY switch to "PROGRAM".



— To exit the Station Programming mode, set the MEMORY switch to "SET".

### Feature References

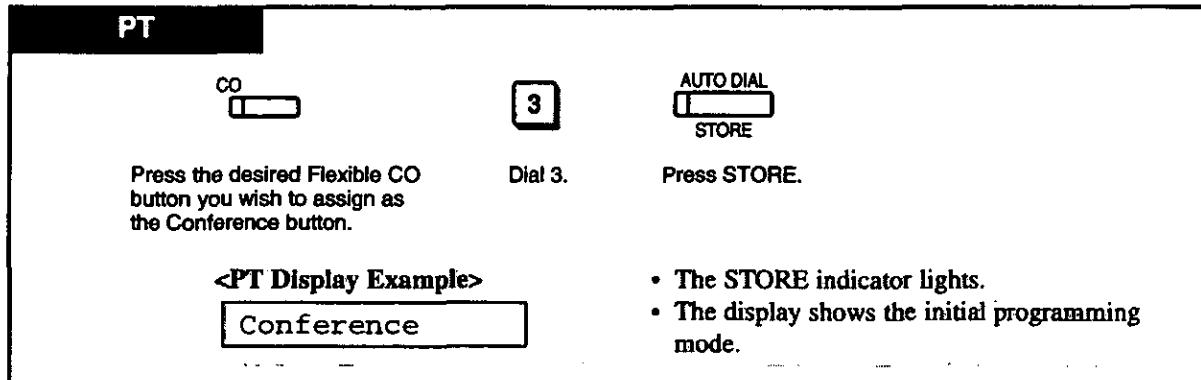
Call Information/Log, Incoming

Call Log, Incoming

### Conference (CONF) Button (Assignment)

Allows you to assign a Flexible CO button as the Conference (CONF) button.

— Be sure that you are in the Station Programming mode. Set the MEMORY switch to "PROGRAM".



— To exit the Station Programming mode, set the MEMORY switch to "SET".

### Feature References

Conference

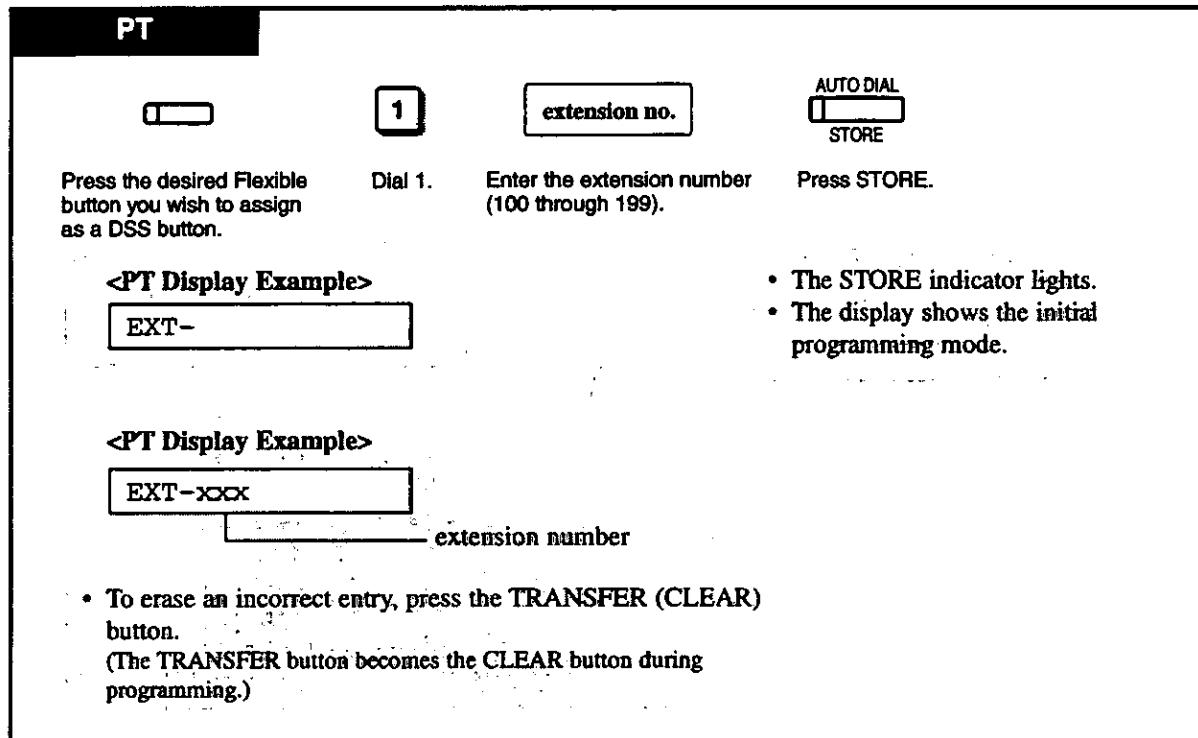
Conference, Unattended

## 2.2 Station Programming (Personal Programming)

### Direct Station Selection (DSS) Button (Assignment)

Allows you to assign a Flexible button (CO, DSS, MESSAGE) as a DSS button.

— Be sure that you are in the Station Programming mode. Set the MEMORY switch to "PROGRAM".



— To exit the Station Programming mode, set the MEMORY switch to "SET".

#### Condition

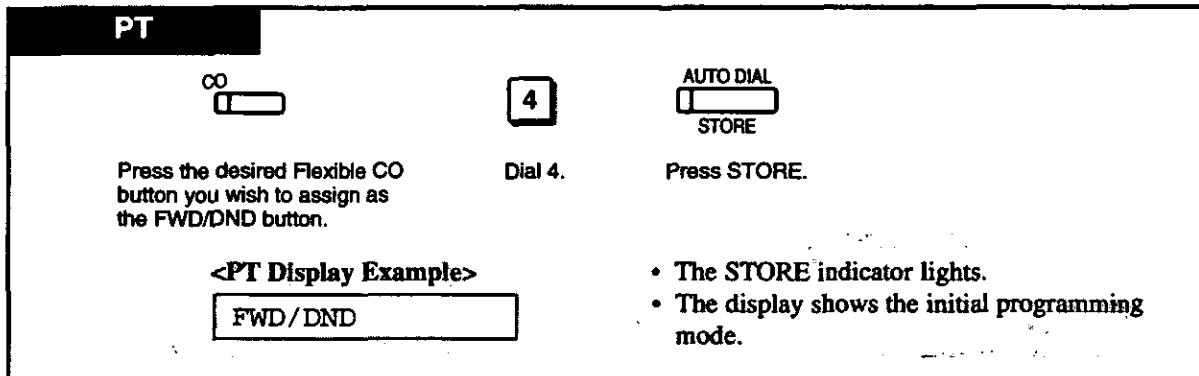
- DSS buttons are provided on the DSS Console with a default setting. You can change the setting from a paired telephone.

## 2.2 Station Programming (Personal Programming)

### FWD/DND Button (Assignment)

Allows you to assign a Flexible CO button as the FWD/DND button.

- Be sure that you are in the Station Programming mode. Set the MEMORY switch to "PROGRAM".



- To exit the Station Programming mode, set the MEMORY switch to "SET".

### Feature References

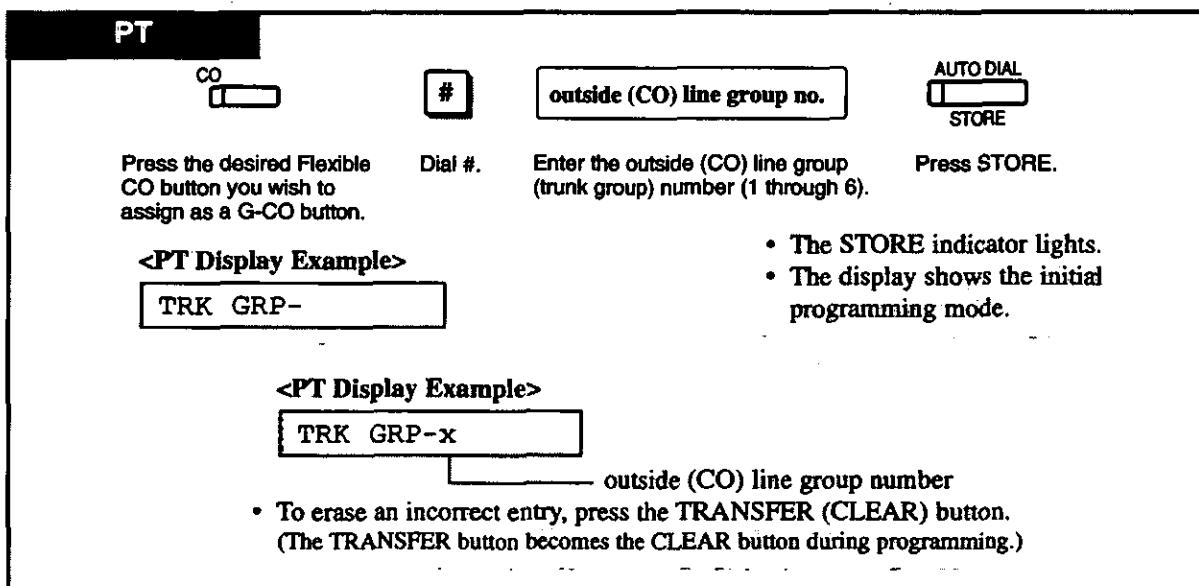
Call Forwarding

Do Not Disturb (DND)

### Group-CO (G-CO) Button (Assignment)

Allows you to assign a Flexible CO button as a Group-CO button.

- Be sure that you are in the Station Programming mode. Set the MEMORY switch to "PROGRAM".



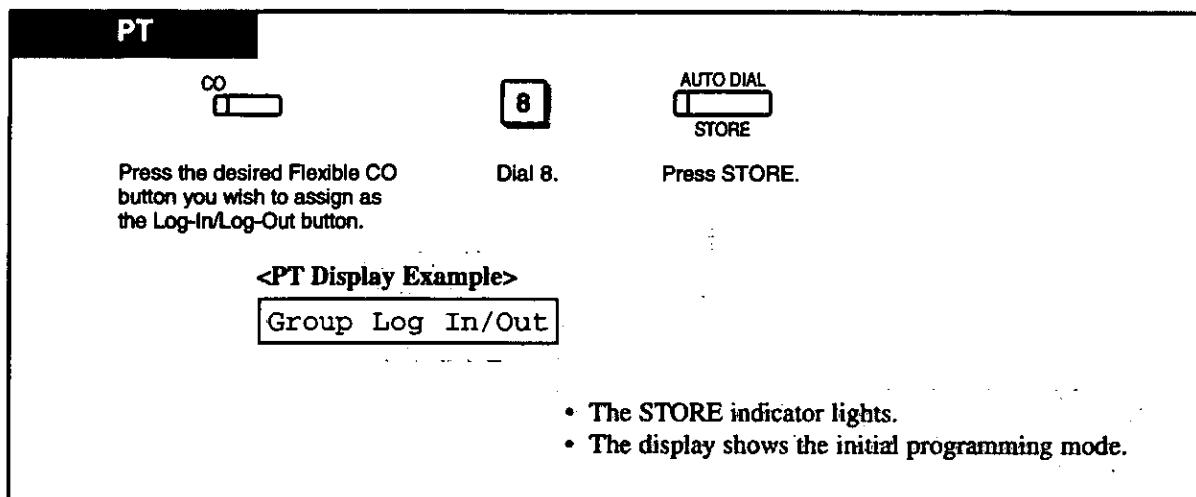
- To exit the Station Programming mode, set the MEMORY switch to "SET".

## 2.2 Station Programming (Personal Programming)

### Log-In/Log-Out Button (Assignment)

Allows you to assign a Flexible CO button as the Log-In/Log-Out button.

- Be sure that you are in the Station Programming mode. Set the MEMORY switch to "PROGRAM".



- To exit the Station Programming mode, set the MEMORY switch to "SET".

### Feature Reference

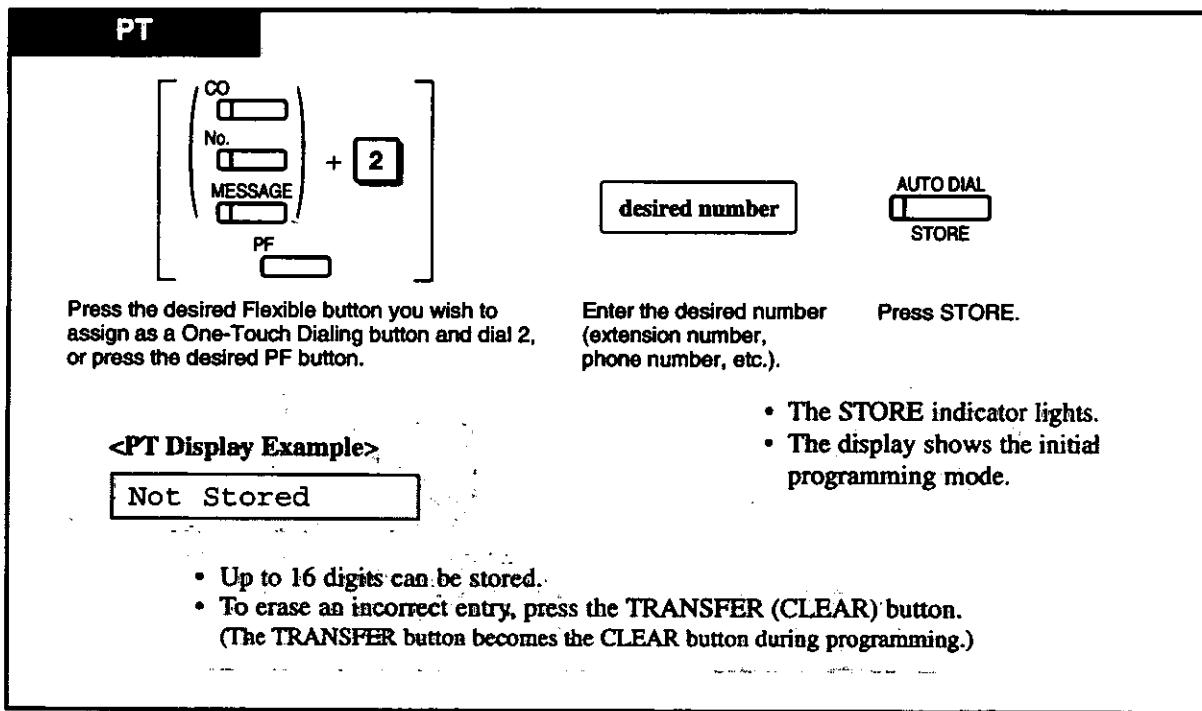
Log-In/ Log-Out

## 2.2 Station Programming (Personal Programming)

### One-Touch Dialing Button (Assignment)

Allows you to assign a Flexible button (CO, DSS, MESSAGE, PF) as a One-Touch Dialing button.

— Be sure that you are in the Station Programming mode. Set the MEMORY switch to "PROGRAM".



— To exit the Station Programming mode, set the MEMORY switch to "SET"

### Conditions

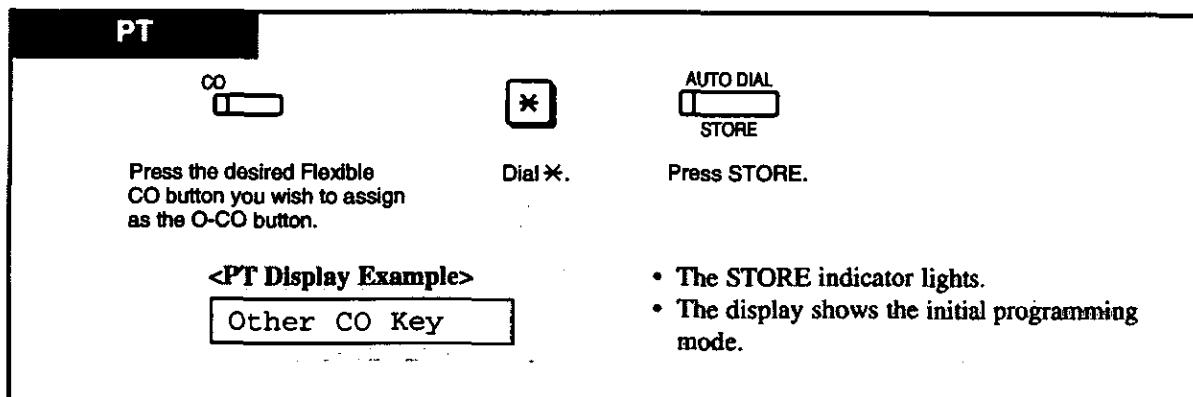
- The number can be an extension number, telephone number or feature number. Up to sixteen digits can be stored in a One-Touch Dialing button.
- To store the telephone number of an external party, a line access code (9 or 81 through 86) must be stored as the first digit.
- You can store a number consisting of seventeen digits or more by dividing and assigning it into two One-Touch Dialing buttons. In this case, the line access code should be stored in the first button.
- To store an account code, press **\*\*** and then enter the desired code. The account codes must be stored after the line access code.
- You can use 0 through 9, **\***, **#**, PAUSE and INTERCOM for storing.
  - \* #:** change the dialing mode (Pulse to Tone)
  - PAUSE:** pause
  - INTERCOM:** secret

## 2.2 Station Programming (Personal Programming)

### Other-CO (O-CO) Button (Assignment)

Allows you to assign a Flexible CO button as the Other-CO button.

- Be sure that you are in the Station Programming mode. Set the MEMORY switch to "PROGRAM".

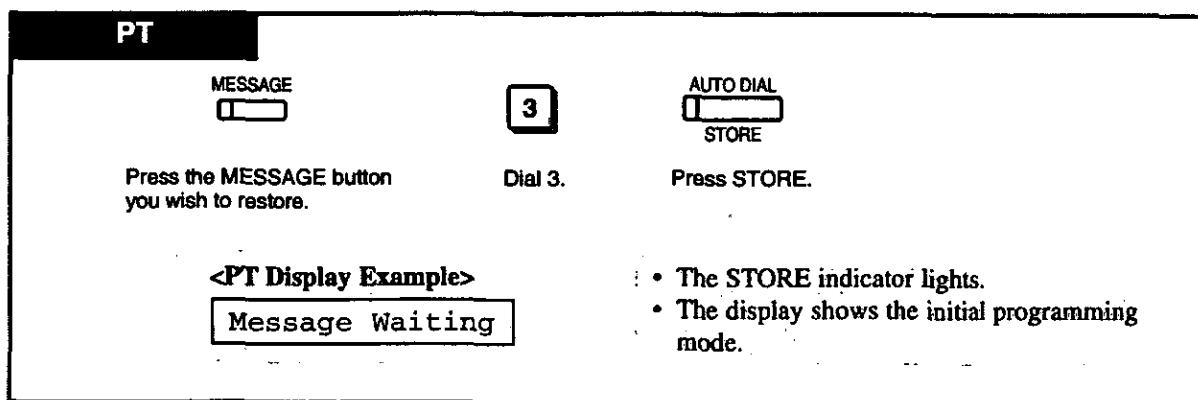


- To exit the Station Programming mode, set the MEMORY switch to "SET".

### Return to Message Waiting (MESSAGE) Button (Assignment)

Allows you to restore the message waiting feature to the Message Waiting (MESSAGE) button.

- Be sure that you are in the Station Programming mode. Set the MEMORY switch to "PROGRAM".



- To exit the Station Programming mode, set the MEMORY switch to "SET".

### Feature Reference

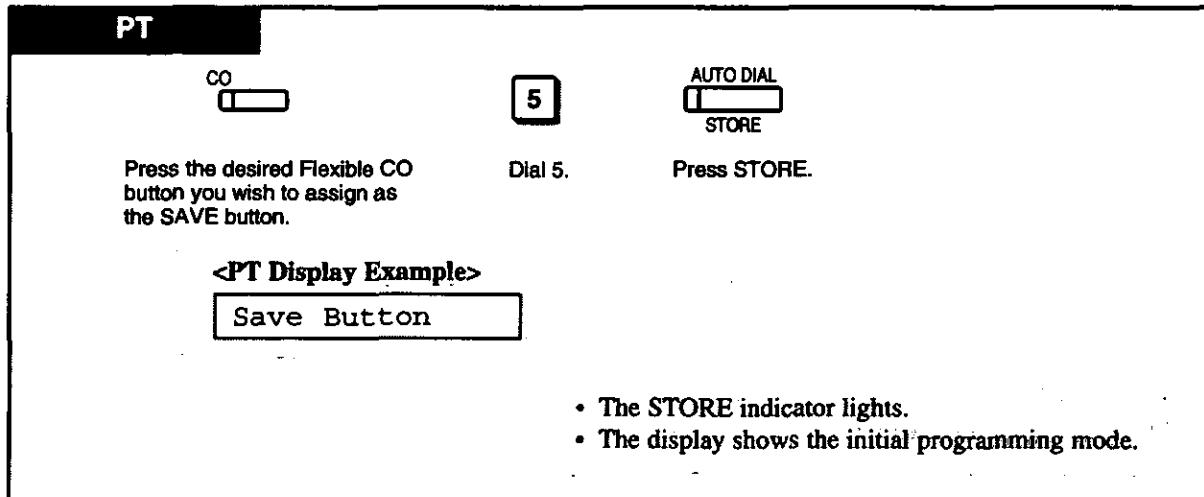
Message Waiting

## 2.2 Station Programming (Personal Programming)

### SAVE Button (Assignment)

Allows you to assign a Flexible CO button as the SAVE button.

- Be sure that you are in the Station Programming mode. Set the MEMORY switch to "PROGRAM".



- To exit the Station Programming mode, set the MEMORY switch to "SET".

### Feature Reference

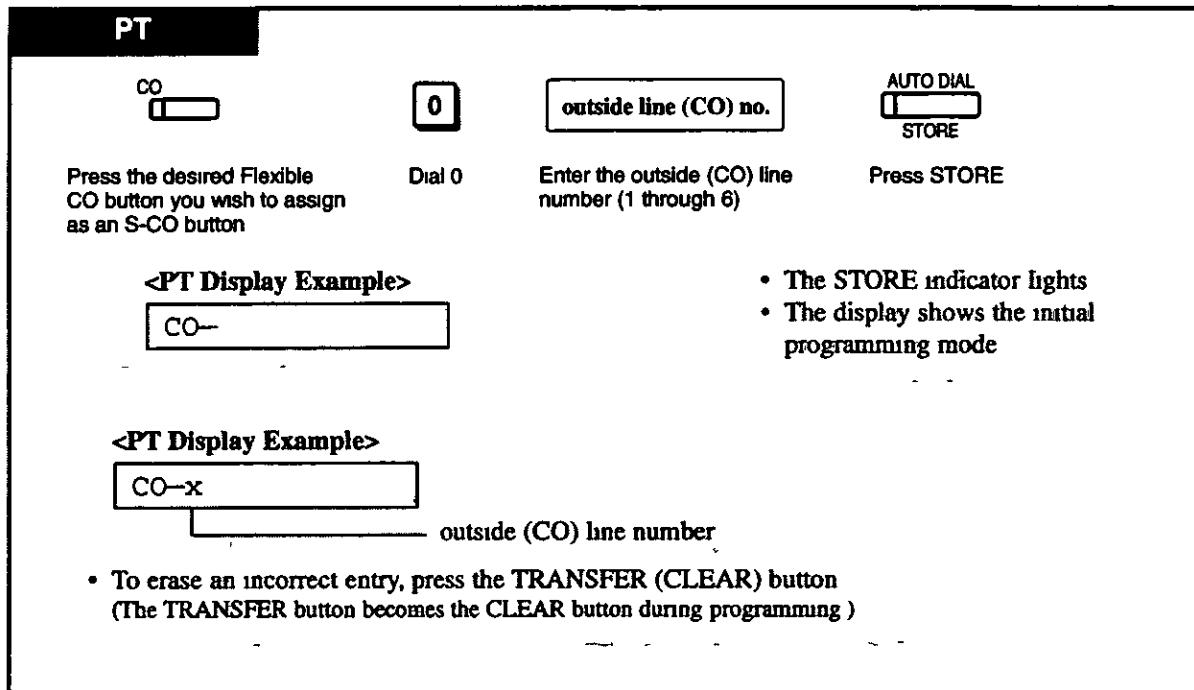
Redial, Saved Number

## 2.2 Station Programming (Personal Programming)

### Single-CO (S-CO) Button (Assignment)

Allows you to assign a Flexible CO button as a Single-CO button

- Be sure that you are in the Station Programming mode. Set the MEMORY switch to "PROGRAM"



- To exit the Station Programming mode, set the MEMORY switch to "SET".

#### Condition

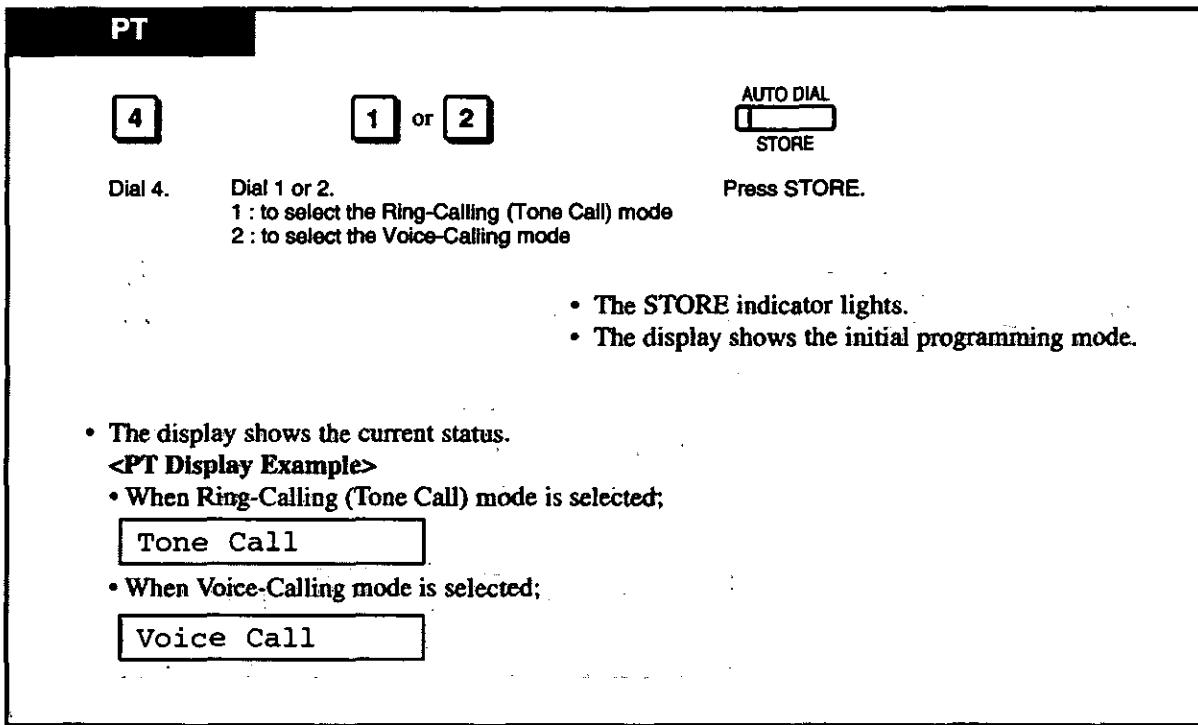
- You can assign the same outside (CO) line to an S-CO and G-CO button

## 2.2 Station Programming (Personal Programming)

### Intercom Alert Assignment

Allows you to select the alert mode (tone/voice) when receiving an intercom (extension) call.

— Be sure that you are in the Station Programming mode. Set the MEMORY switch to "PROGRAM".



— To exit the Station Programming mode, set the MEMORY switch to "SET".

### Condition

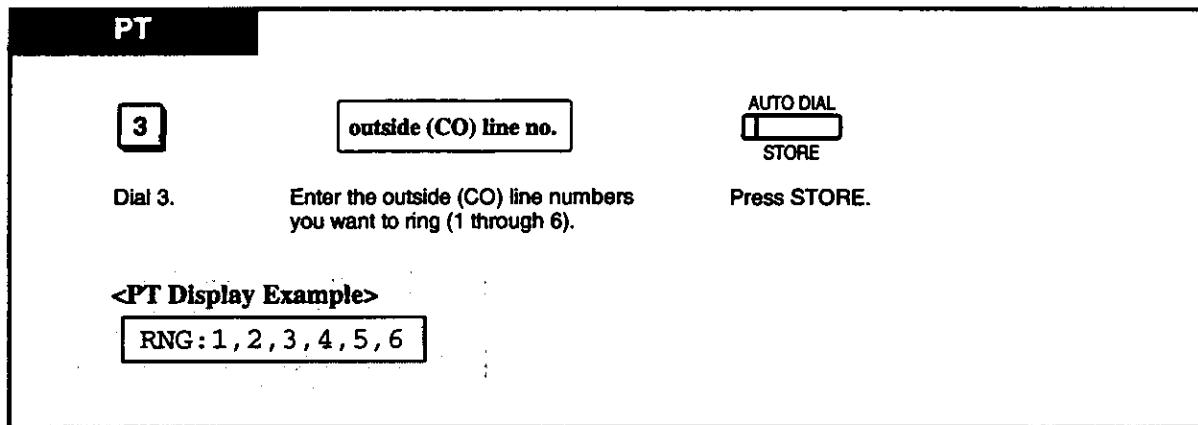
- The default is "Ring-Calling (Tone Call)".

## 2.2 Station Programming (Personal Programming)

### Outside (CO) Line Ringing Selection

You can select whether the extension will ring or not when an outside call is received at your extension.

- Be sure that you are in the Station Programming mode. Set the MEMORY switch to "PROGRAM".



- To exit the Station Programming mode, set the MEMORY switch to "SET".

#### Conditions

- The "Flexible Ringing Assignment" should be set to "Enable". (Refer to System Programming.)
- When an outside call is received at extension but doesn't ring, the CO indicator will flash. If you want to answer the outside call, press the flashing CO button.

#### Programming References

- System Programming — Installation Manual  
[408]—[410] Flexible Ringing Assignment — Day/Night/Lunch

## 2.2 Station Programming (Personal Programming)

### Preferred Line Assignment — Incoming

Allows you to select the method used to answer incoming outside calls from the following three line preferences.

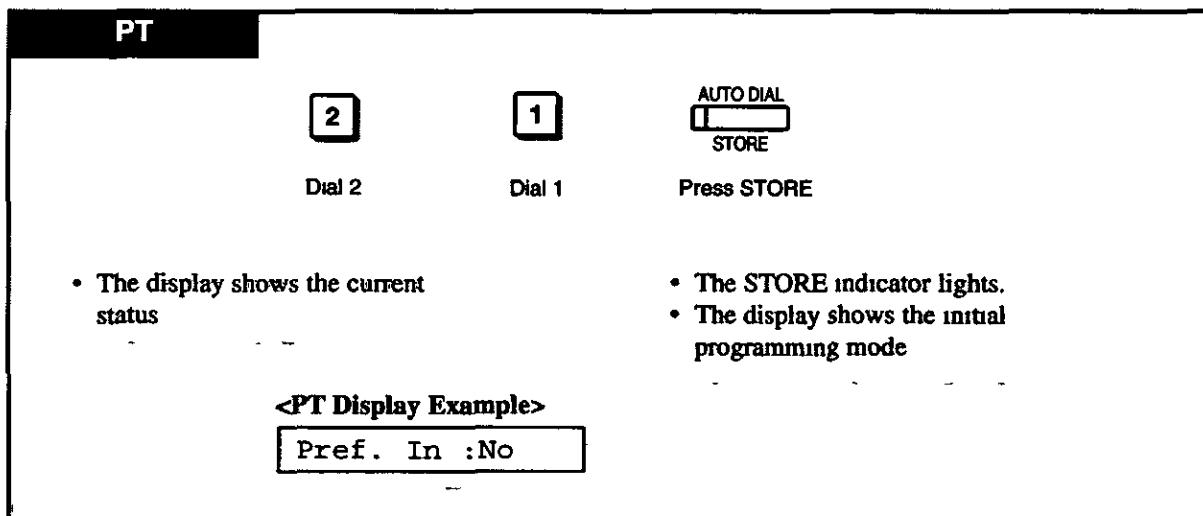
- 1.) No Line Preference
- 2.) Ringing Line Preference (— default)
- 3.) Prime Line Preference

Follow the corresponding programming procedure according to your selection.

### No Line Preference — Incoming (Assignment)

No line is selected when you go off-hook. You must select a line to answer an incoming call by pressing a CO button.

- Be sure that you are in the Station Programming mode. Set the MEMORY switch to “PROGRAM”.



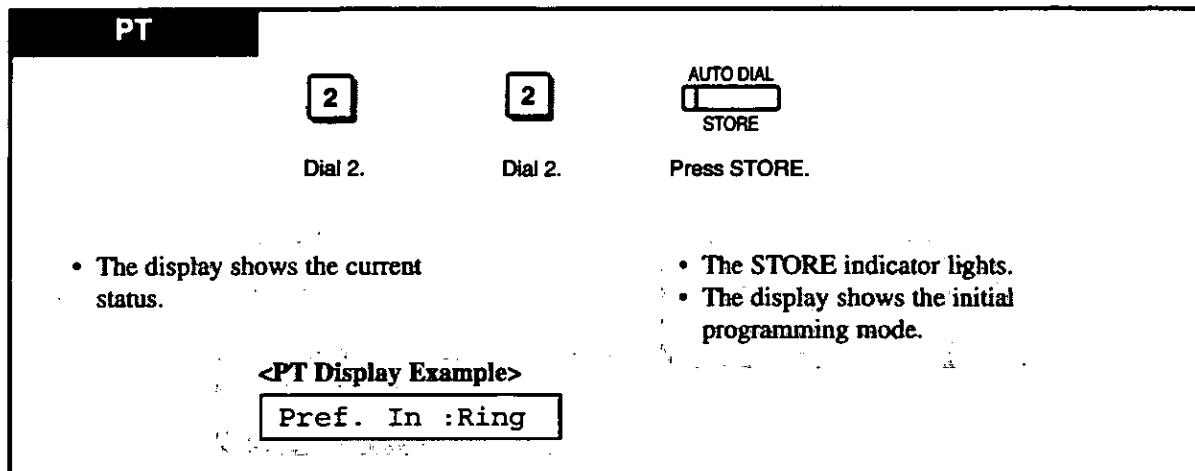
- To exit the Station Programming mode, set the MEMORY switch to “SET”.

## 2.2 Station Programming (Personal Programming)

### Ringing Line Preference — Incoming (Assignment)

When you go off-hook, you can answer any call ringing at your telephone.

- Be sure that you are in the Station Programming mode. Set the MEMORY switch to "PROGRAM".

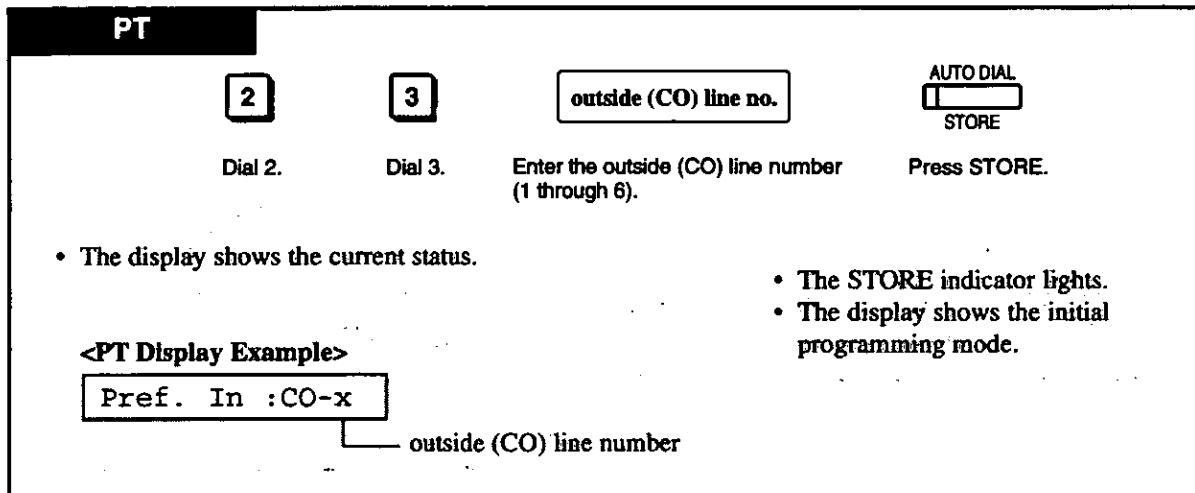


- To exit the Station Programming mode, set the MEMORY switch to "SET".

### Prime Line Preference — Incoming (Assignment)

When you go off-hook, you can answer a call on the line which is assigned as the prime line.

- Be sure that you are in the Station Programming mode. Set the MEMORY switch to "PROGRAM".



- To exit the Station Programming mode, set the MEMORY switch to "SET".

## 2.2 Station Programming (Personal Programming)

### Preferred Line Assignment — Outgoing

Allows you to select the desired outgoing line preference to originate calls from the following three line preferences.

- 1.) No Line Preference (— default)
- 2.) Idle Line Preference
- 3.) Prime Line Preference

Follow the programming procedure according to your selection.

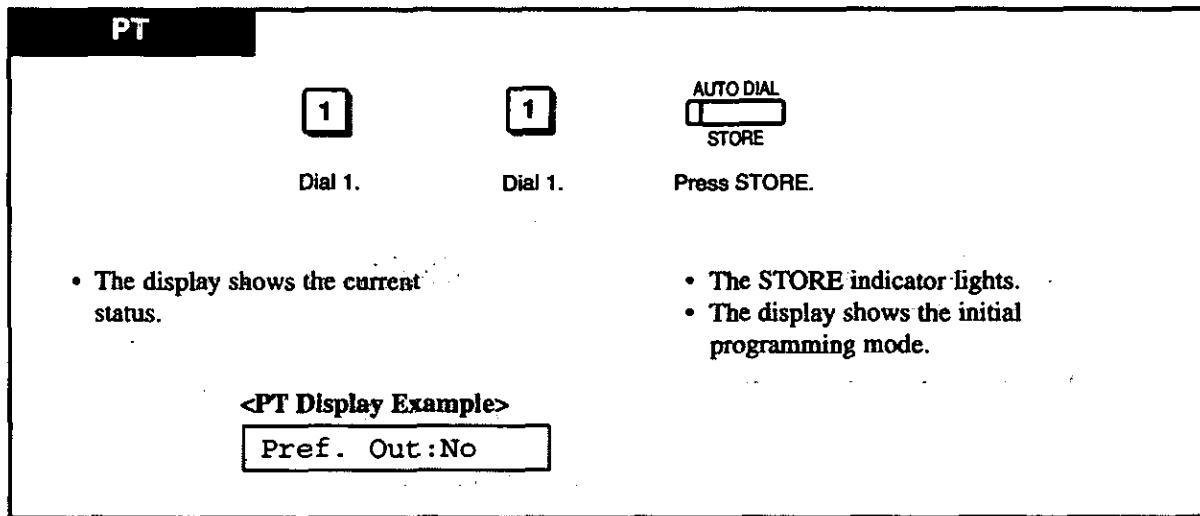
**<Note>**

When setting "Idle Line Preference" or "Prime Line Preference", you **cannot** access any PT features after going off-hook. To access these PT features, press the INTERCOM button before or after going off-hook.

### No Line Preference — Outgoing (Assignment)

When going off-hook, you are not connected to any line. You must choose the line.

- Be sure that you are in the Station Programming mode. Set the MEMORY switch to "PROGRAM".



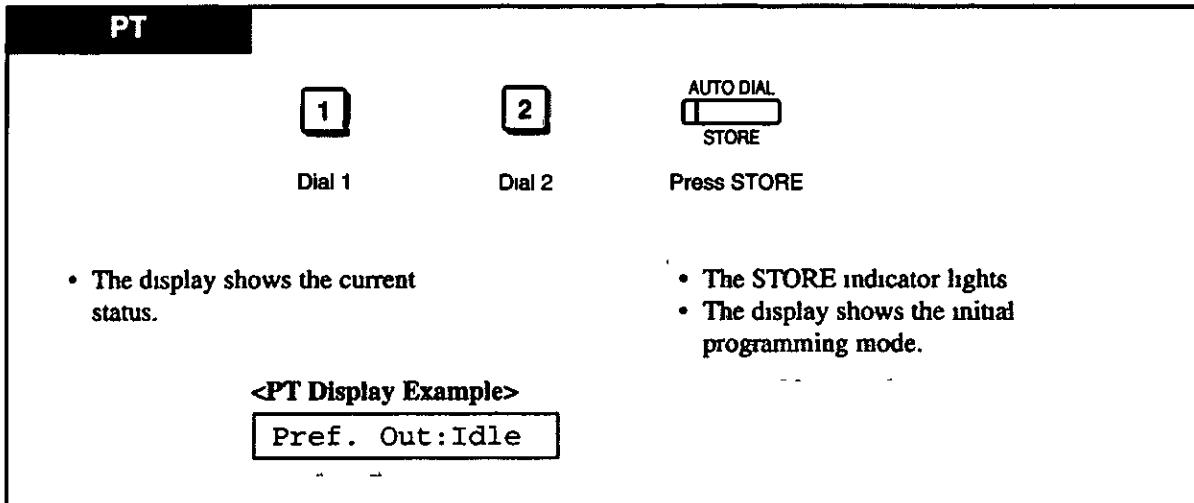
- To exit the Station Programming mode, set the MEMORY switch to "SET".

## 2.2 Station Programming (Personal Programming)

### Idle Line Preference — Outgoing (Assignment)

When going off-hook, you are connected to an idle line

- Be sure that you are in the Station Programming mode. Set the MEMORY switch to "PROGRAM".

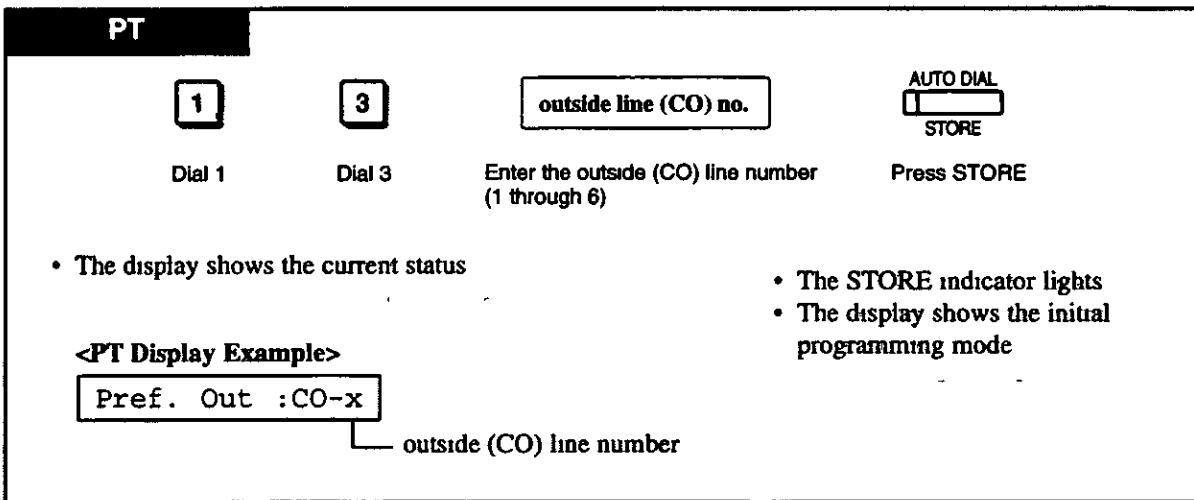


- To exit the Station Programming mode, set the MEMORY switch to "SET".

### Prime Line Preference — Outgoing (Assignment)

When going off-hook, you are connected to a pre-assigned line.

- Be sure that you are in the Station Programming mode. Set the MEMORY switch to "PROGRAM".



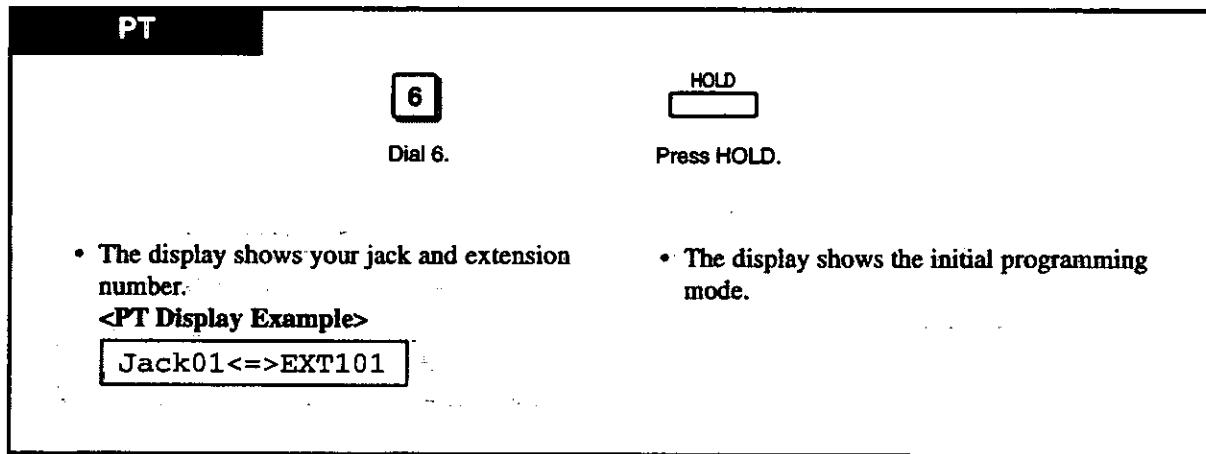
- To exit the Station Programming mode, set the MEMORY switch to "SET".

## 2.2 Station Programming (Personal Programming)

### ***Self-Extension Number Confirmation (KX-T7030 and KX-T7130 only)***

Allows you to display your jack and extension number.

- Be sure that you are in the Station Programming mode. Set the MEMORY switch to “PROGRAM”.



- To exit the Station Programming mode, set the MEMORY switch to “SET”.

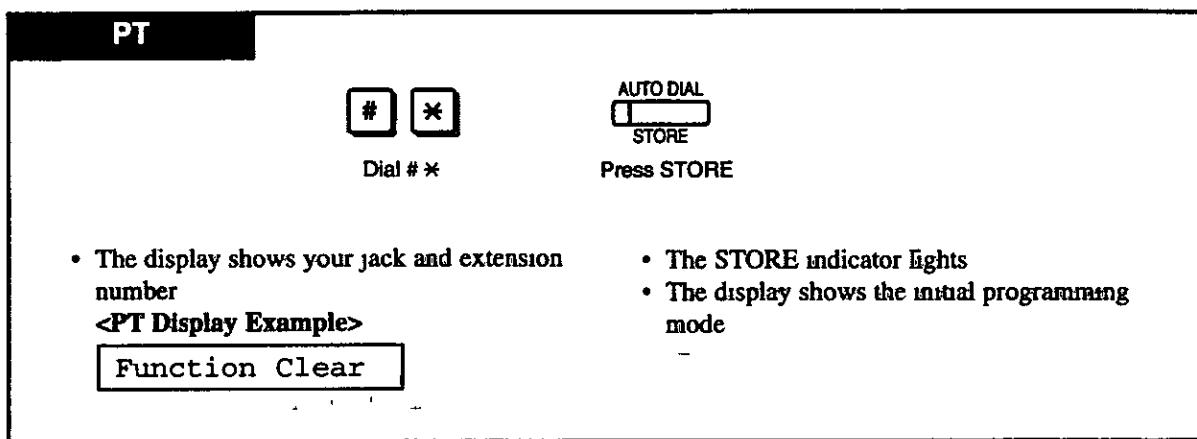
## 2.2 Station Programming (Personal Programming)

### Station Programming Data Default Set

Allows you to return each of the following programmable items to their default settings

- a) Call Waiting Tone Type Assignment (default: Tone 1)
- b) Intercom Alert Assignment (default Rung-Calling (Tone Call))
- c) Outside (CO) Line Ringing Selection (default: Ring – all outside (CO) lines)
- d) Preferred Line Assignment — Incoming (default: Ringing Line)
- e) Preferred Line Assignment — Outgoing (default: No Line Preference)

— Be sure that you are in the Station Programming mode. Set the MEMORY switch to "PROGRAM"



— To exit the Station Programming mode, set the MEMORY switch to "SET"

#### Condition

- This feature also cancels the Handsfree Answerback feature and pressing the AUTO ANSWER/MUTE button in the Room Monitor feature.

#### Feature References

Handsfree Answerback  
Room Monitor



## ***Section 3***

### ***Telephone Features***

#### ***Contents***

<b>3.1</b>	<b><i>Basic Operations</i></b>	<b>3-2</b>
	<i>Making Calls</i>	3-2
	<i>Receiving Calls</i>	3-3
<b>3.2</b>	<b><i>Telephone Features (A - Z)</i></b>	<b>3-4</b>
<b>3.3</b>	<b><i>Operator/Manager Service Features</i></b>	
	<i>(— for an Operator and Manager only)</i>	<b>3-114</b>

#### ***<Note>***

When setting “Idle Line Preference — Outgoing” or “Prime Line Preference”, you **cannot** access any PT features after going off-hook. To access PT features, press the INTERCOM button before or after going off-hook.

#### ***If you use a rotary telephone:***

It is not possible to access features which have “\*” or “#” in their feature numbers except for the ones can use “0” instead of “#”.

When the “Pickup Dialing (Hot Line)” feature is set on your single line telephone, the dialing sequence should be completed within a pre-determined time (Pickup Dial Waiting Time — default: 3 sec.) after lifting the handset.

To change the time, refer to System Programming in the Installation Manual.

Refer to Section 5 “Tone List” for tones.

All PT illustrations used in these operating instructions are based on the KX-T7130 model.

## *Making Calls*

### *Intercom Calling*

Allows you to make a call to another extension.

**PT and SLT**



Lift the handset or press SP-PHONE/MONITOR.

extension number

or

CO

Enter an extension number (100 through 199).  
or press DSS.

- The INTERCOM indicator light turns green.

### *Outward Dialing*

Allows you to make a call to an external party using one of the following line access methods.

- 1.) Line Access, Automatic
- 2.) Line Access, Individual
- 3.) Line Access, Outside (CO) Line Group

**PT and SLT**



line access code

or

CO

Enter a line access code (9 or 81 through 86).  
or press CO.  
9: Line Access, Automatic  
CO: Line Access, Individual  
81 through 86: Line Access, Outside (CO) Line Group



Outside line dial tone

phone number

Dial the phone number.

### *Conditions*

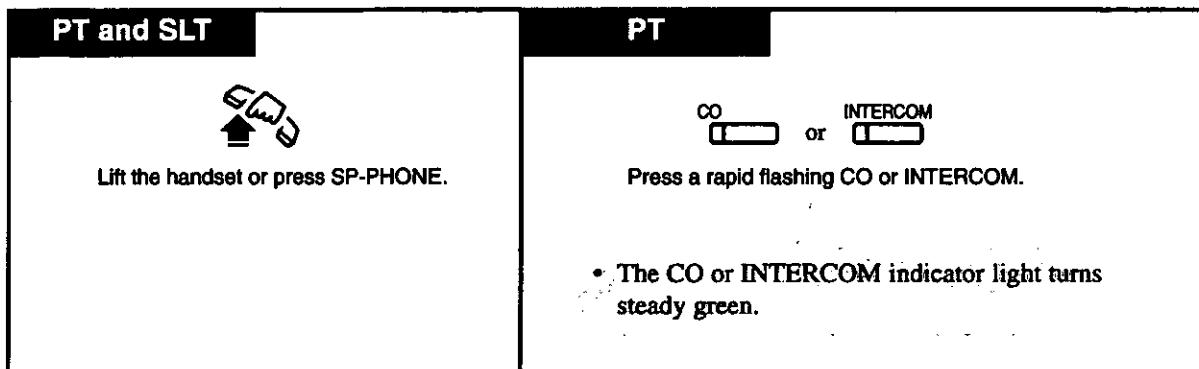
- PT** • There are three types of Line Preference for outgoing calls (— Idle Line/No Line/Prime Line). Each preference can be selected by Station Programming.
- PT** • Helpful hints for the Handsfree (speakerphone) operation are noted in the "Handsfree Operation" feature.
- PT** • When the unit is not in use, the Liquid Crystal Display will show:
  - the month, day and present time
  - the month, day, year and day of the week
  - your extension number and name

**Programming References**

- Station Programming (Section 2)
  - Preferred Line Assignment — Outgoing
- System Programming — Installation Manual
  - [405]–[407] Flexible Outward Dialing Assignment — Day/Night/Lunch

**Feature References**

- Handsfree Operation
- Intercom Calling
- Outward Dialing — Line Access, Automatic
  - Line Access, Individual
  - Line Access, Outside (CO) Line Group

**Receiving Calls****Conditions**

- PT** • There are three types of Line Preference for incoming calls (— No Line/Prime Line/ Ringing Line). Each preference can be selected by Station Programming.
- PT** • Helpful hints for the Handsfree (speakerphone) operation are noted in the "Handsfree Operation" feature.

**Programming References**

- Station Programming (Section 2)
  - Preferred Line Assignment — Incoming
- System Programming — Installation Manual
  - [400] Outside (CO) Line Connection Assignment
  - [408]–[410] Flexible Ringing Assignment — Day/Night/Lunch

**Feature References**

- Answering, Direct Outside (CO) Line
- Handsfree Operation

## *Absent Message Capability*

Allows you to show the reason for your absence, if the calling extension uses a Panasonic proprietary telephone with a display.

This way the caller can know when or where you can be reached. You can choose one of six messages.

Message No.	Message
1	Will Return Soon
2	Gone Home
3	At Ext %%% └── Extension number
4	Back at %:% AM (or PM) └── Minute └── Hour
5	Out until %/%/% └── Day └── Month
6	In a Meeting

Note: Enter the desired value in the "%" space. You must make an entry in all of the %s using 0 through 9.

**Setting****Message 1. "Will Return Soon"**

**Any Telephone**






Lift the handset or press SP-PHONE/MONITOR.      Dial 751#.      Confirmation tone and dial tone      Hang up or press SP-PHONE/MONITOR.

- Single line telephone users can dial "0" instead of "#".

**Message 2. "Gone Home"**

**Any Telephone**






Lift the handset or press SP-PHONE/MONITOR.      Dial 752#.      Confirmation tone and dial tone      Hang up or press SP-PHONE/MONITOR.

- Single line telephone users can dial "0" instead of "#".

**Message 3. "At Ext %%" (extension number)**

**Any Telephone**







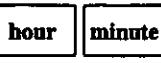
Lift the handset or press SP-PHONE/MONITOR.      Dial 753.      Enter the extension number (100 through 199) where you will be.      Dial #.      Confirmation tone and dial tone      Hang up or press SP-PHONE/MONITOR.

- Single line telephone users can dial "0" instead of "#".

**Message 4. "Back at %% : %% AM (or PM)" (time)**

**Any Telephone**





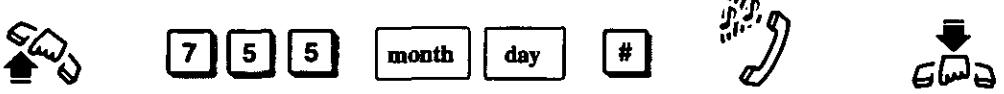


Lift the handset or press SP-PHONE/MONITOR.      Dial 754.      Enter the hour (01 through 12) and minute (00 through 59).      Dial 0 or 1.      0: for AM      1: for PM      Dial #.      Confirmation tone and dial tone      Hang up or press SP-PHONE/MONITOR.

- Single line telephone users can dial "0" instead of "#".

**Message 5. "Out until %% / %%" (month/day)**

**Any Telephone**



Lift the handset or press SP-PHONE/MONITOR.      Dial 755.      Enter the month (01 through 12) and day (01 through 31).      Dial #.      Confirmation tone and dial tone      Hang up or press SP-PHONE/MONITOR.

- Single line telephone users can dial "0" instead of "#".

**Message 6. "In a Meeting"**

**Any Telephone**



Lift the handset or press SP-PHONE/MONITOR.      Dial 756#.      Confirmation tone and dial tone      Hang up or press SP-PHONE/MONITOR.

- Single line telephone users can dial "0" instead of "#".

**Cancelling**

**Any Telephone**



Lift the handset or press SP-PHONE/MONITOR.      Dial 750#.      Confirmation tone and dial tone      Hang up or press SP-PHONE/MONITOR.

**<PT Display Example>**

Message Cancel

- Single line telephone users can dial "0" instead of "#".

**Condition**

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

*Account Code Entry*

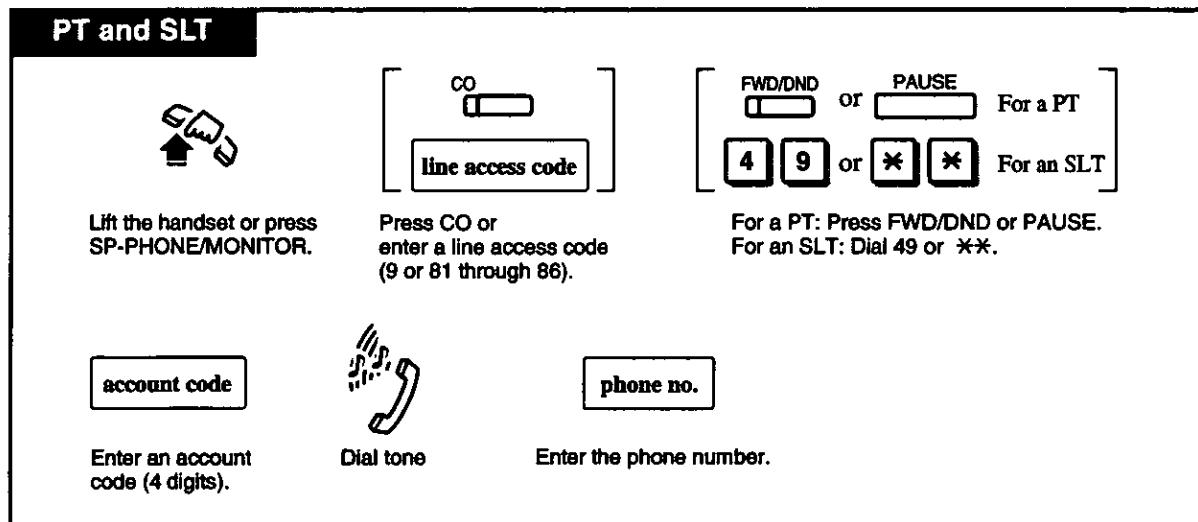
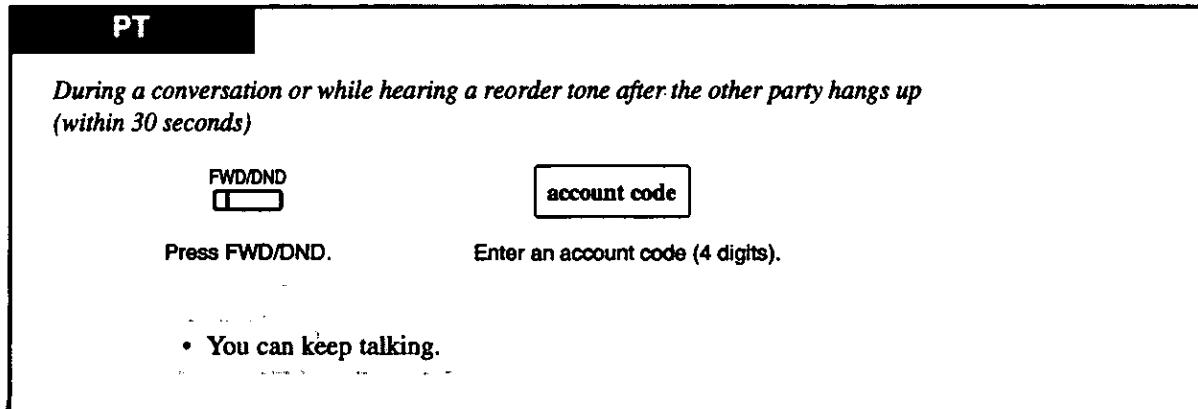
An account code is used to identify outside calls for accounting and billing purposes. The account code is appended to the "Station Message Detail Recording (SMDR)" call record. For incoming outside calls, account codes are not required. For outgoing outside calls, account codes are often required. You can enter account codes in the following four modes.

**Verify - All mode:** You must always enter the pre-assigned account code.

**Verify - Toll mode:** You must always enter the pre-assigned account code. You can enter your extension password to override toll restriction.

**Option mode:** An account code can be entered when a record of the account code is required. It can be any number.

**Forced mode:** You must always enter an account code. It can be any number.

*Making calls with account codes except in the Option mode**Making calls with account codes in the Option mode and receiving calls*

***Conditions***

- In the Verify-All and Verify-Toll modes, you must always enter a pre-assigned account code when making any of the following calls unless one has previously been stored in memory.
  - a) Call Forwarding — to Outside (CO) Line
  - b) Manual Dialing (Selecting an outside (CO) line)
  - c) One-Touch Dialing (PT only)
  - d) Pickup Dialing (Hot Line) (SLT only)
  - e) Personal Speed Dialing
  - f) System Speed Dialing
- In the Option mode, you can record a calling or called party's account code in the SMDR during a conversation or within thirty seconds after the other party hangs up.
- You do not need to make an account code entry when receiving incoming calls.
- You can clear and re-enter a number by pressing “\* \*” or the FWD/DND button while entering an account code.
- An account code can be stored into Memory Dialing (“One-Touch Dialing”, “Pickup Dialing (Hot Line)”, “System/Personal Speed Dialing”, “Call Forwarding — to Outside (CO) Line”). The sequence to enter an account code into Memory Dialing is as follows.  
— [Feature Number] [Line Access Code] [\* \*] [Account Code] [Phone Number]
- If an entered account code does not match the pre-assigned account code in the verify-all mode or the verify-toll mode, when making an outside call, a reorder tone is heard.
- **PT** An account code has four digits (0 through 9). FLASH, PAUSE, etc. cannot be used.

***Programming References***

- System Programming — Installation Manual
  - [310] Account Codes
  - [601]—[603] TRS — Class of Service (COS) Assignment — Day/Night/Lunch
  - [605] Account Code Entry Mode
  - [805] SMDR Account Code Selection

***Feature References***

Station Message Detail Recording (SMDR) (→ See the Installation Manual.)

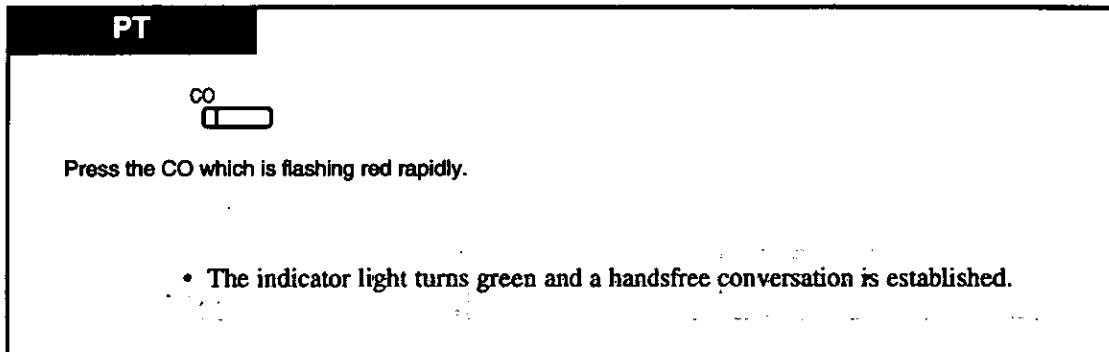
Toll Restriction Override by Extension Password

Extension Password Set (3.3 Operator/Manager Service Features)

### *Answering, Direct Outside (CO) Line*

Allows you to answer an outside call by pressing a CO button. You do not have to lift the handset or press the SP-PHONE/MONITOR button.

#### *To answer an incoming outside call*



#### *Conditions*

- PT** • Specify which line is connected when multiple incoming outside calls arrive at the same time.
- PT** • There are three types of CO buttons: Group-CO (G-CO) button, Other-CO (O-CO) button and Single-CO (S-CO) button. These can be assigned to flexible CO buttons by Station Programming.
- PT** • This feature is not available for the KX-T7050 and KX-T7055.

#### *Programming References*

- Station Programming (Section 2)  
Flexible Button Assignment — Group-CO (G-CO) Button,  
Other-CO (O-CO) Button,  
Single-CO (S-CO) Button

Preferred Line Assignment --- Incoming

#### *Feature Reference*

Handsfree Operation

## Automatic Callback Busy (Camp-On)

Allows you to receive callback ringing when the dialed line becomes idle. When you answer the callback ringing;

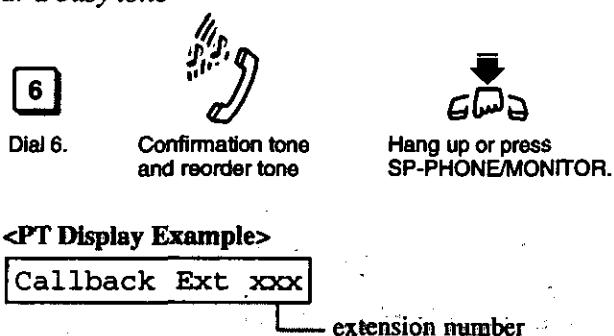
**For an extension:** The called extension starts ringing without dialing.

**For an outside (CO) line:** The line is seized.

### Setting

**Any Telephone**

*If you hear a busy tone*



6 Dial 6. Confirmation tone and reorder tone

Hang up or press SP-PHONE/MONITOR.

Wait for the Camp-On recall.

**<PT Display Example>**

Callback Ext	xxx
--------------	-----

extension number

### Answering an intercom recall

**Any Telephone**

*If you hear the telephone ringing*



Lift the handset or press SP-PHONE/MONITOR.

**<PT Display Example>**

xxx: Tony
-----------

extension number

- You hear a ringback tone and the called extension rings automatically.

## 3.2 Telephone Features

A

### *Answering an outside (CO) line recall*

#### **Any Telephone**

*If you hear the telephone ringing*



Lift the handset or press  
SP-PHONE/MONITOR.



Dial tone.

phone no.

Enter the phone number.

**<PT Display Example>**

CO x Free

outside (CO) line number

### *Cancelling*

#### **Any Telephone**



Lift the handset or press  
SP-PHONE/MONITOR.

### *Condition*

- If you do not answer before four callback ring signals (within 10 seconds), this feature will be canceled.

### **Background Music (BGM)**

You can listen to background music through the built-in speaker of the telephone. An external music source, such as a radio, must be connected. The music stops whenever a call comes in or when you go off-hook.

#### *Setting / Canceling*

**PT**

*When the handset is on the cradle and the SP-PHONE/MONITOR button is off*

**1**

Dial 1

- The display shows either of the following for five seconds depending on whether BGM is on or off.

**<PT Display Example>**

BGM on

or

BGM off

### Busy Station Signaling (BSS)

The busy extension that you called will hear the assigned Call Waiting tone and know that you are waiting.

#### Any Telephone

*If you make an intercom call and hear a busy tone*

2

Wait for an answer and talk.

Dial 2.

#### Conditions

- To answer from the calling extension, see “Call Waiting” in this manual.
- If you hear a reorder tone when you set this feature, this feature cannot be operated with the called party. This feature is only available if the called extension has set the “Call Waiting” feature.

#### Feature Reference

Call Waiting

## Call Forwarding — SUMMARY

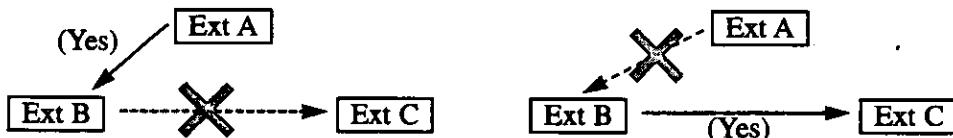
Automatically transfers incoming calls to another extension or to an external destination. The following types are available.

Type	Description
Call Forwarding — All Calls	All incoming calls are forwarded to another extension.
Call Forwarding — Busy/No Answer	All incoming calls are forwarded to another extension when you do not answer or your extension is busy.
Call Forwarding — to Outside (CO) Line	All incoming calls are forwarded to an outside (CO) line.
Call Forwarding — Follow Me	Allows you to set the "Call Forwarding — All Calls" feature from another extension.

**Note:** You can also set Voice Mail as the forwarding destination. Refer to "Voice Mail Integration" in this manual.

### Conditions

- To cancel the Call Forwarding features, refer to "Call Forwarding — CANCEL" in this manual.
- Call Forwarding can only be extended to one target telephone. For example, extension A is forwarded to extension B, and if extension B tries to set Call Forwarding to extension C, an alarm tone will be heard and the setting will be rejected. If extension B has already set Call Forwarding to extension C, and extension A tries to set Call Forwarding to extension B, the setting will be also rejected.



- If the destination extension has already set "Do Not Disturb", you cannot forward any calls to the extension.
- Setting a new "Call Forwarding" feature (All Calls, Busy/No Answer, etc.) cancels any other "Call Forwarding" features or the "Do Not Disturb (DND)" feature.
- If your entry is valid, confirmation tone 1 (one beep) is sent. If your entry is the same as previously programmed data, confirmation tone 2 (two beeps) is sent. Refer to the "Tone List" in the Appendix (Section 5).
- You can call the original extension from the Call Forwarding destination extension. (For example, Boss Secretary)
- Camp-On recall and Hold recall are not forwarded.

## 3.2 Telephone Features

C

- PT** • A flexible CO button on the KX-T7050 and KX-T7055 (no FWD/DND button provided) can be assigned as the FWD/DND button.
- PT** • The lighting patterns of the FWD/DND button are as follows.
  - Off: Both features are not set.
  - Red: DND mode
  - Flashing red slowly: FWD mode
- PT** • You can check the assignment by pressing the FWD/DND button while on-hook.

### Programming Reference

- Station Programming (Section 2)  
Flexible Button Assignment — FWD/DND Button

### Feature References

- Call Forwarding — CANCEL
- Do Not Disturb (DND)
- Voice Mail Integration

## Call Forwarding — All Calls

You can re-direct all of your calls to another extension.

### Setting

**PT and SLT**

Lift the handset or press the SP-PHONE/MONITOR button.

For a PT: Press FWD/DND. For an SLT: Dial 71.

Dial 1. Enter the destination extension number (100 through 199).

Confirmation tone and dial tone

Hang up or press the SP-PHONE/MONITOR button.

**<PT Display Example>**

FWD (All) Extxxxx
-------------------

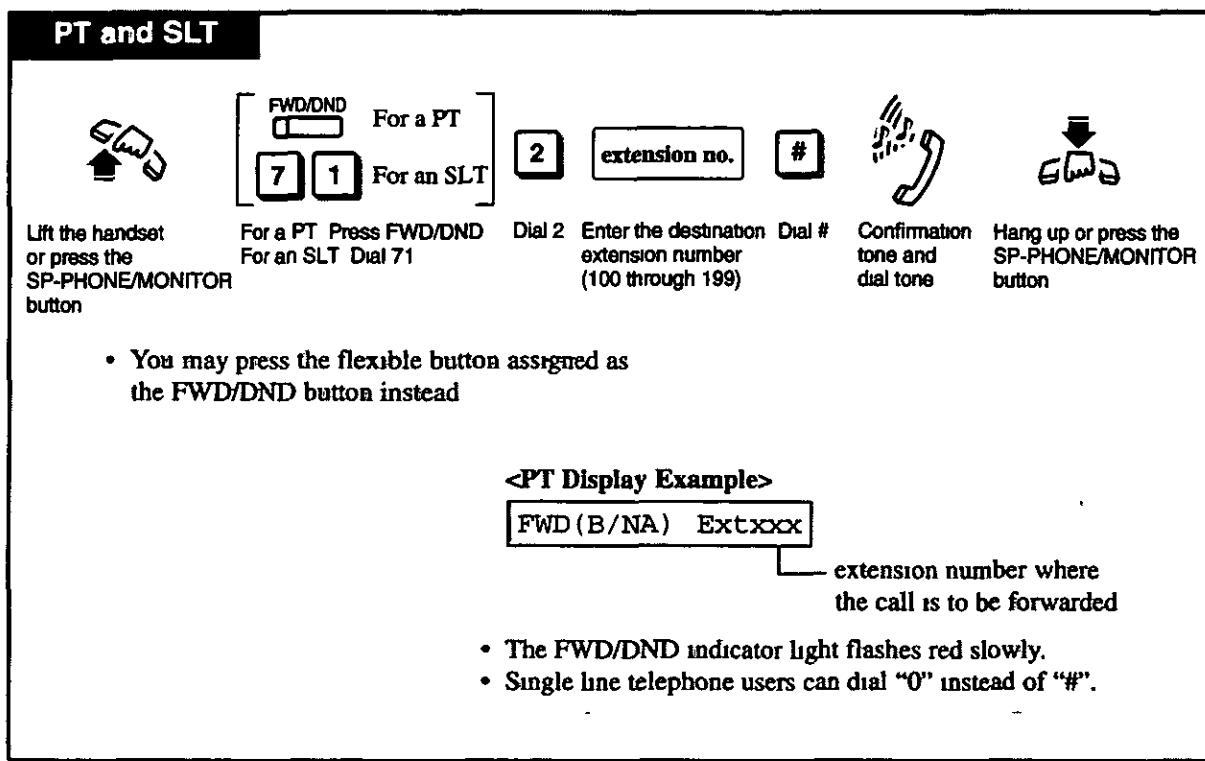
extension number where the call is to be forwarded

- You may press the flexible button assigned as the FWD/DND button instead.
- The FWD/DND indicator light flashes red slowly.
- Single line telephone users can dial "0" instead of "#".

## *Call Forwarding — Busy/No Answer*

You can forward your calls to another extension when your extension is busy or if you do not answer the call within a pre-determined time

### *Setting*



### *Condition*

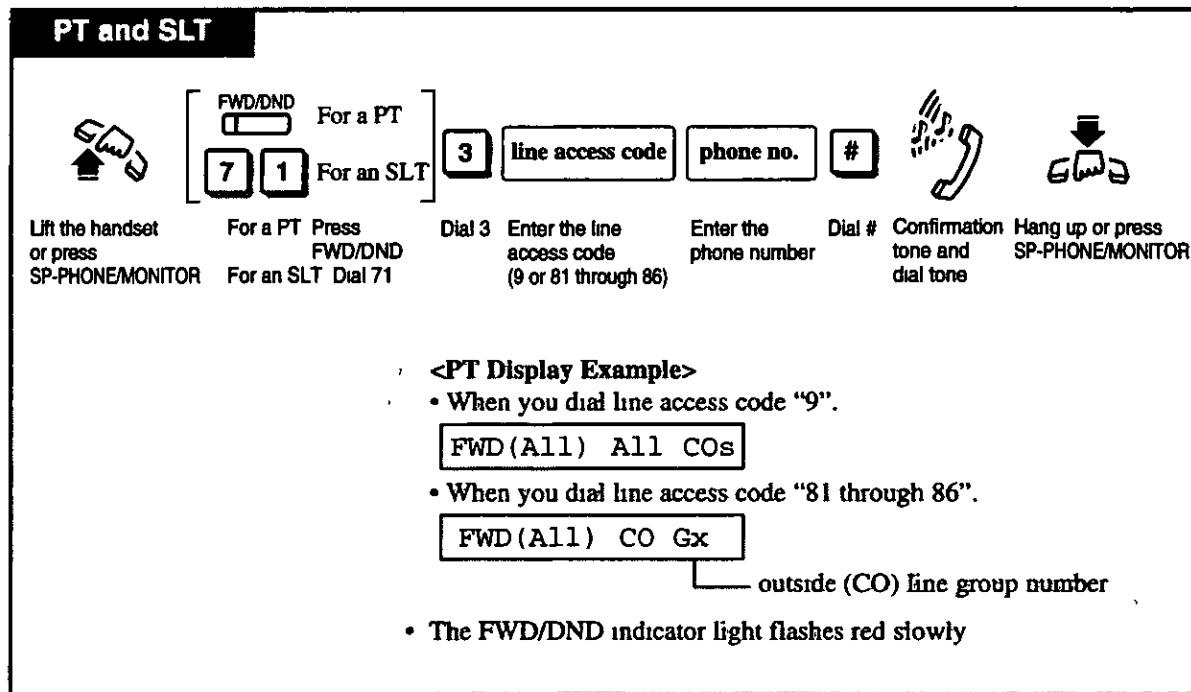
**PT** • "Voice Call" in the Intercom Alert Assignment and "Handsfree Answerback" do not work when Call Forwarding — Busy/No Answer is set

### *Programming Reference*

- System Programming — Installation Manual  
[202] Call Forwarding Start Time

*Call Forwarding — to an Outside (CO) Line*

You can forward calls to an external party  
System programming is required to execute this feature

*Setting**Conditions*

- If an incoming outside call is forwarded to an outside (CO) line, the "Outside-to-Outside (CO-to-CO) Line Call Duration Time" is applied to the call and the line will be disconnected when it expires (default: 10 min.). An alarm tone is sent to both parties fifteen seconds before the assigned duration time limit.
- Up to thirty-two digits (including the line access code) can be programmed
- If a CPC signal is sent to an outside (CO) line before the assigned duration time limit, a call between two external parties will be disconnected.
- This feature cannot be used for incoming outside calls from lines assigned as "Normal", by System Programming
- An account code must be entered by pressing "\*" and entering the account code after the line access code in the account code verify-all, verify-toll and forced modes

*Programming References*

- System Programming — Installation Manual
  - [205] Outside-to-Outside (CO-to-CO) Line Duration Time Limit
  - [414]-[416] Outside (CO) Line Mode — Day/Night/Lunch
  - [605] Account Code Entry Mode
  - [607] Call Forwarding to an Outside (CO) Line

## Call Forwarding — Follow Me

You can set the "Call Forwarding" feature from the destination extension. This is useful if you forget to set "Call Forwarding — All Calls" before you leave your desk.

### Setting

**PT and SLT**

*At the destination extension*

Lift the handset or press the SP-PHONE/MONITOR button. For a PT: Press FWD/DND. For an SLT: Dial 71. Dial 5. Enter your extension number (100 through 199). Dial #. Confirmation tone and dial tone. Hang up or press the SP-PHONE/MONITOR button.

- You may press the flexible button assigned as the FWD/DND button instead.

**<PT Display Example>**

FWD (From) Extxxxx
--------------------

your extension number

- The FWD/DND indicator light flashes red slowly at your extension.
- Single line telephone users can dial "0" instead of "#".

### Condition

- This feature can be canceled at your extension or the destination extension.

## 3.2 Telephone Features

C

### Call Forwarding — CANCEL

There are two canceling methods for "Call Forwarding". The canceling depends on the Call Forwarding type that has been assigned.

#### *Cancelling Call Forwarding at your (original) extension*

**PT and SLT**

Lift the handset or press SP-PHONE/MONITOR. For a PT: Press FWD/DND. For an SLT: Dial 71.

For a PT: Press FWD/DND. For an SLT: Dial 71.

Dial 0. Dial #. Confirmation tone and dial tone

Hang up or press SP-PHONE/MONITOR.

**<PT Display Example>**

**FWD / DND Cancel**

- You may press the flexible button assigned as the FWD/DND button instead.
- The FWD/DND indicator light turns off.
- Single line telephone users can dial "0" instead of "#".

#### *Cancelling Call Forwarding at the destination extension — "Follow Me (All Calls)" only*

**PT and SLT**

Lift the handset or press SP-PHONE/MONITOR. For a PT: Press FWD/DND. For an SLT: Dial 71.

For a PT: Press FWD/DND. For an SLT: Dial 71.

Dial 8. Enter your extension number. Dial #. Confirmation tone and dial tone

Hang up or press SP-PHONE/MONITOR.

**<PT Display Example>**

**FWD / DND Cancel**

- You may press the flexible button assigned as the FWD/DND button instead.
- The FWD/DND indicator light turns off at your extension.
- Single line telephone users can dial "0" instead of "#".

## *Call Hold*

Allows you to place a call on hold.

### *To place a call on hold*

PT	SLT
<p><i>During a conversation</i></p> <p> Press HOLD.</p> <p> Confirmation tone and dial tone</p> <ul style="list-style-type: none"><li>• You may replace the handset.</li><li>• The corresponding CO or INTERCOM indicator light flashes green slowly.</li></ul>	<p><i>During a conversation</i></p> <p> Flash the hookswitch.</p> <p> Confirmation tone and dial tone</p> <ul style="list-style-type: none"><li>• You may replace the handset.</li></ul>

### *Retrieving a call on hold*

PT	SLT
<p><i>At the holding extension</i></p> <p> or  Press the CO or INTERCOM which is flashing green slowly.</p> <ul style="list-style-type: none"><li>• The CO or INTERCOM indicator light turns steady green.</li></ul>	<p><i>At the holding extension</i></p> <p> Flash the hookswitch.</p> <ul style="list-style-type: none"><li>• If the handset is replaced, just off-hook to retrieve the call.</li></ul>

## 3.2 Telephone Features

C

### Conditions

- To retrieve a call on hold at another extension, refer to "Call Hold Retrieve" in this manual.
- If a held call is not retrieved within a pre-determined time (default: 30 sec.), "Hold Alarm/Hold Recall" occurs. If the hold recall time is set to "Disable", it will not be recalled.
- If a held outside call is not answered within thirty minutes, it will be automatically disconnected.
- When going off-hook:
  - Before recalling: A dial tone will be heard while the call is on hold. You may dial another telephone number.
  - While recalling: Only the first call on hold will be released and enter the conversation mode.
- You cannot hold a doorphone call.

**PT** • With outside calls, you can put multiple calls on hold. However, with intercom calls, you can put only one call on hold.

**PT** • If a call is placed on hold for more than the programmed time, hold recall or hold alarm will occur and the LCD will flash the following display.  
Example:

- When holding extension 111, Mr. Brown: "111: Brown" will flash.
- When holding outside (CO) line, CO 1: "Call on CO 1" will flash.

**SLT** • If "Hold-2" or "Hold-3" is assigned by System Programming, you must dial "20" after flashing the hookswitch.

**SLT** • Only an outside or intercom call can be placed on hold at one time.  
If you want to hold both calls, use the Call Park feature.

### Programming References

- System Programming — Installation Manual
  - [104] Hold Mode Selection
  - [200] Hold Recall Time

### Feature References

Call Hold Retrieve

Call Park

Hold Alarm/Hold Recall (→ See the Installation Manual.)

## *Call Hold, Exclusive*

Prevents other extension users from retrieving your held call. Only the user who held the call can retrieve it.

### *To place a call on exclusive hold*

**PT**

*During a conversation*

- The CO or INTERCOM indicator light flashes green moderately.
- The current call is placed on exclusive hold.

- The CO or INTERCOM indicator light flashes green slowly.
- The current call is placed on hold.

### *Retrieving a call on exclusive hold*

**PT**

- The CO or INTERCOM indicator light turns steady green.
- The held call is released.

### *Conditions*

- PT** • If a held call is not retrieved within a pre-determined time (default: 30 sec.), Hold Alarm/Hold Recall occurs.
- PT** • If an outside call is placed on hold and not retrieved within thirty minutes, it will be automatically disconnected.
- PT** • With outside calls, you can put multiple calls on exclusive hold. However, with intercom calls, you can put only one call on exclusive hold.

### *Programming Reference*

- System Programming — Installation Manual  
[200] Hold Recall Time

### *Feature References*

Call Hold  
Hold Alarm/Hold Recall (→ See the Installation Manual.)

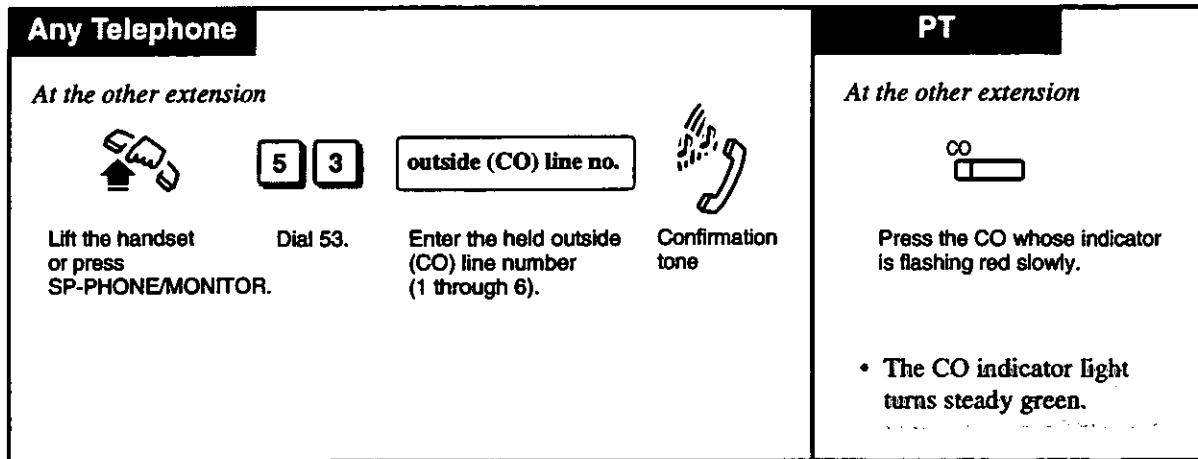
## 3.2 Telephone Features

C

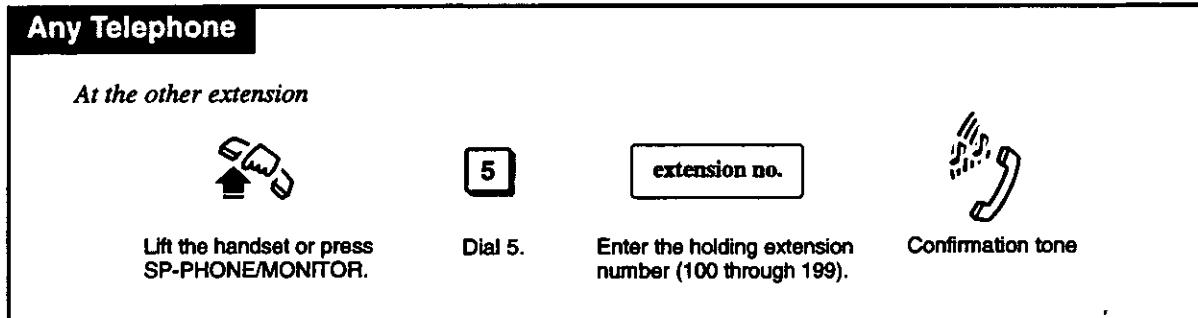
### Call Hold Retrieve

Allows you to retrieve a call that has been placed on hold by another extension.

#### *Retrieving an outside call on hold*



#### *Retrieving an intercom call on hold*



#### *Conditions*

- "Call Park" and "Exclusive Call Hold" cannot be retrieved by this feature.
- You can hear a confirmation tone when the call is retrieved by entering the feature number.

#### *Feature References*

Call Hold  
Call Hold, Exclusive  
Call Park

## *Call Information/Log, Incoming*

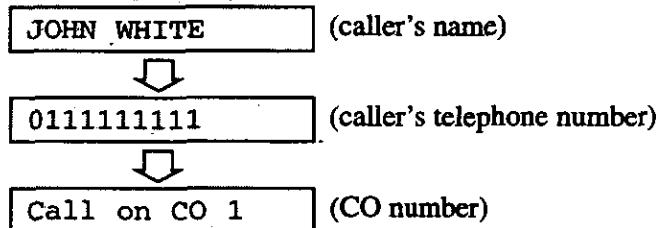
Provides you with the caller's telephone number and name simultaneously on the outside (CO) line assigned to receive Caller ID service\* calls. If the call is not answered, the call information is automatically recorded.

### *Display Operation (— for the KX-T7030 and KX-T7130)*

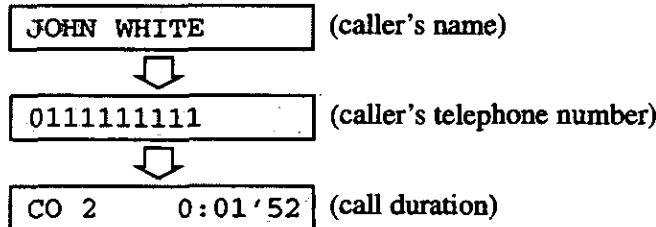
JOHN WHITE

While receiving an incoming outside call, the display shows the caller's telephone number or name.

- If you want to see other information, press the Caller ID Selection button.
- The display changes as follows.



1. Lift the handset or press the SP-PHONE button.
2. Press the **Caller ID Selection** button to see other information.
  - The display changes as follows.



### *Conditions*

- The Caller ID Indication button indicator light may turn on when a call is received.
- Even if you answer a call, the call information can be recorded by pressing the Caller ID Indication button during the conversation.
- You can modify and call back the logged numbers. Refer to the "Call Log, Incoming" feature.
- A caller's name will not be displayed unless it is sent from the Central Office.
- System Programming determines which is displayed first, the name or number.
- You can program whether to print out a Caller ID number on the SMDR or not by System Programming.

### *Programming References*

- Station Programming (Section 2)  
Flexible Button Assignment — Caller ID Indication Button,  
Caller ID Selection Button
- System Programming — Installation Manual  
[900] Caller ID Assignment  
[904] Caller ID Log Priority Selection  
[906] Caller ID SMDR Format

### *Feature References*

Call Log, Incoming

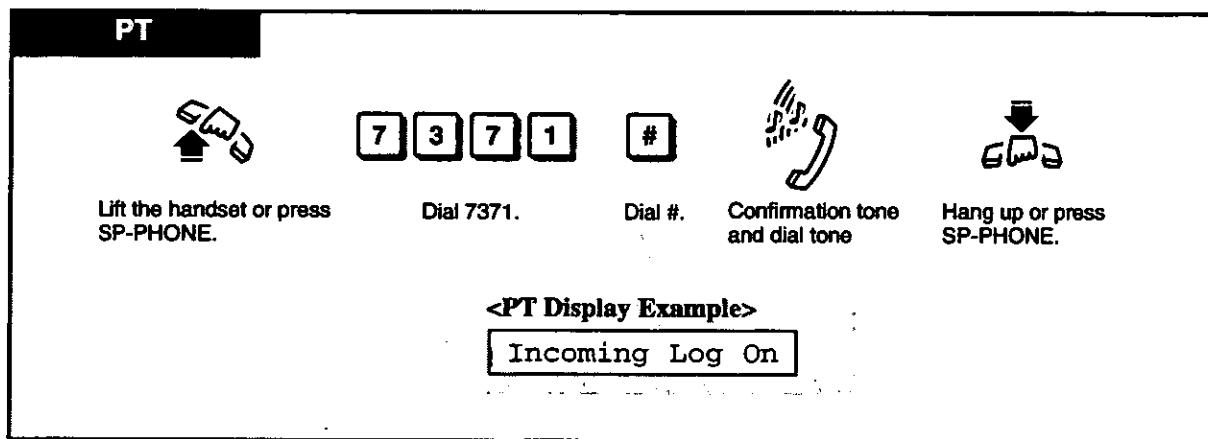
Call Log Lock, Incoming

- \* The Caller ID service provides you with the caller's information, such as the name and telephone number, on the outside (CO) line assigned to receive Caller ID service calls. Refer to the Installation Manual.

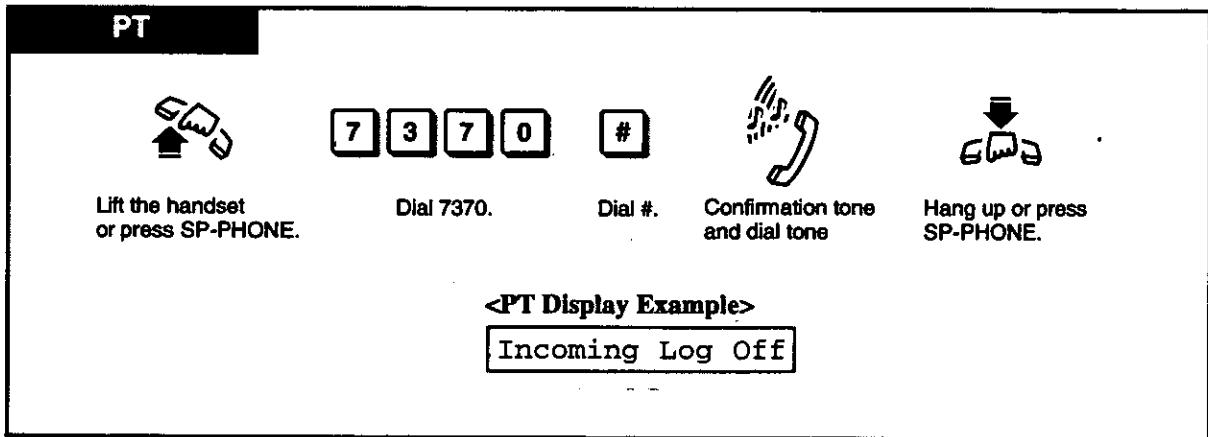
## *Call Log, Incoming*

If you do not answer a call, your extension (KX-T7030 and KX-T7130 only) automatically records the incoming outside call information from the Caller ID service\*, and the Caller ID Indication button indicator lights. Up to 20 calls can be logged per extension. When the call log is full (20 calls are stored), you can select how the 21st call is treated. Either a new call can be disregarded or the new call can overwrite the oldest call that you have already confirmed (Default: Record the new call.). You can also modify and call back the logged numbers.

### *Overwriting the call log*



### *Disregarding the 21st call*



## 3.2 Telephone Features

C

### Confirming and calling back

#### Display Operation (— for the KX-T7030 and KX-T7130)

When the **Caller ID Indication** button indicator is red, there are new calls logged.

1. Confirm the number of logged calls.
2. Press the **Caller ID Indication** button to see the incoming call information.
  - The new information that you have not confirmed will be displayed first.
3. You can confirm another caller's information by pressing the **Caller ID Indication** button again.

01:0111111111

02:0924773333

After displaying all of the new information, the old information you have already confirmed will be displayed.

- To modify the telephone number, use the **HOLD** button to erase and “0 to 9, \*, # and PAUSE” to add numbers from the first digit.
- To clear the displayed information, press the **TRANSFER** button.
- To clear all logged call information, go off-hook and press 70\*#.

The display shows as follows.

CID Log Clear

- To return to the initial display, go off-hook and on-hook. The display also returns to the initial display automatically if no operation is done for twenty seconds.
- Pressing the **Caller ID Selection** button provides you with further information about the party.

The display changes as follows.

<Example>

If the information is stored in log 03,

03 : BOB HANKS — caller's name

03 : 0011223344 — caller's number

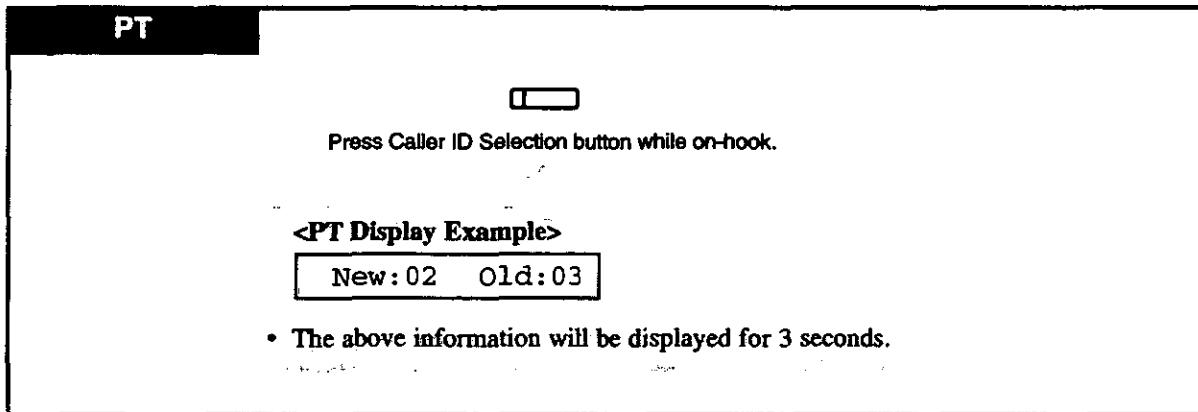
03 : Oct30 09:00PM — date and time

- If “O” is displayed, the call may be from out of the calling area.
- If “L” is displayed, it may be a long distance call.

03:0011223344

4. Confirm the displayed number and lift the handset or press the SP-PHONE button.
5. Press the Caller ID Indication button.
  - You may press a CO button first to select a specified outside (CO) line.The last displayed number is dialed.

#### *Confirming the number of logged calls*



#### *Condition*

**PT** • When "Disregarding the 21st call" has been set and 20 calls are logged or all of the old information has been overwritten, the Caller ID Selection button indicator lights and informs you that no more calls can be logged.

#### *Programming References*

- System Programming — Installation Manual
  - [900] Caller ID Assignment
  - [901] Caller ID Area Code Assignment
  - [902] Caller ID Modification for Local Calls
  - [903] Caller ID Modification for Long Distance Calls
  - [904] Caller ID Log Priority Selection

#### *Feature Reference*

##### Call Log Lock, Incoming

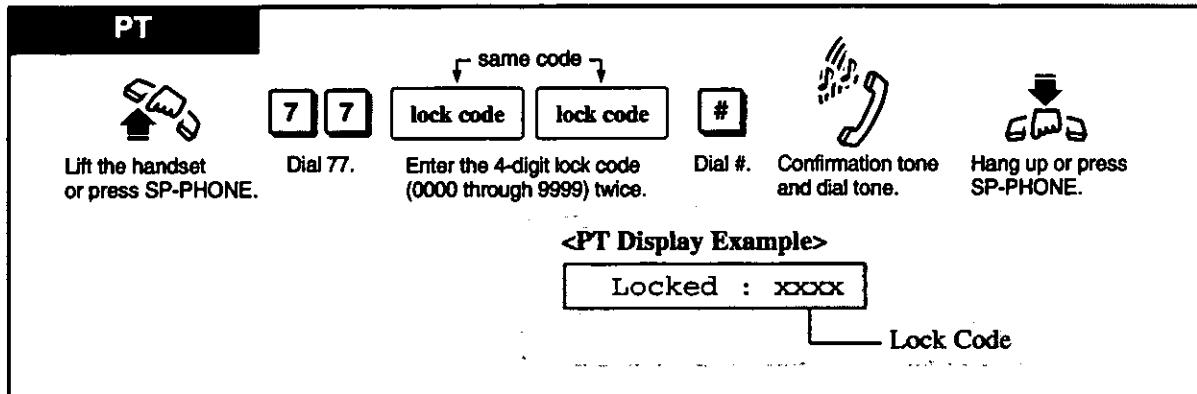
\* The Caller ID service provides you with the caller's information, such as the name and telephone number, on the outside (CO) line, assigned to receive Caller ID service calls. Refer to the Installation Manual.

## 3.2 Telephone Features

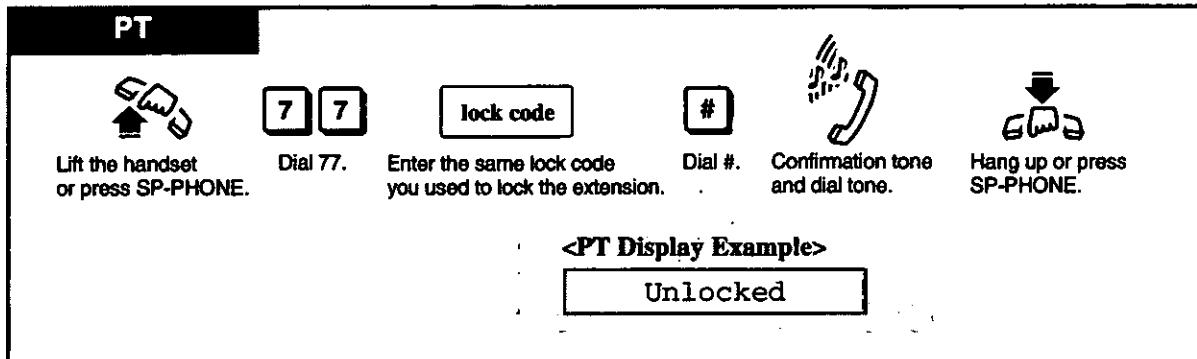
### Call Log Lock, Incoming

Allows you to lock the display of your extension so that the "Call Log, Incoming" feature is not shown on the display when you press the Caller ID Indication button, if you do not want others to see the information. This feature also works as Electronic Station Lockout.

#### Locking



#### Unlocking



#### Conditions

- PT** • The operator or manager can cancel this feature for all other extensions (Electronic Station Lockout — CANCEL ALL).
- PT** • "Remote Station Lock Control" overrides this feature. If the operator or manager sets Remote Station Lock on the extension you have already locked, you cannot unlock it.

#### Programming Reference

- System Programming — Installation Manual  
[900] Caller ID Assignment

#### Feature References

Call Log, Incoming

Electronic Station Lockout

Electronic Station Lockout — CANCEL ALL (3.3 Operator/Manager Service Features)

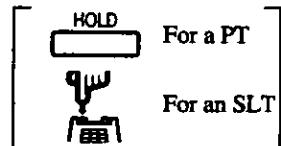
Remote Station Lock Control (3.3 Operator/Manager Service Features)

## Call Park

Allows you to place a held call into a system parking area. You can release from the parked call to perform other operations. The parked call can be retrieved by any extension user. Up to ten calls can be parked.

### PT and SLT

#### During a conversation



For a PT: Press HOLD.  
For an SLT: Flash the hookswitch.



Confirmation tone and dial tone

2 2

parking zone no.



Confirmation tone and dial tone

#### <PT Display Example>

Call Prked at x

Parking zone number

- If you hear a busy tone, it indicates the specified parking zone is unavailable.

#### <PT Display Example>

Park at x N/A

Parking zone number

- You do not need to redial the feature number to change the parking zone. Just enter the parking zone number while hearing the busy tone.

### Retrieving a parked call

### Any Telephone



Lift the handset or press SP-PHONE/MONITOR.

5 2

parking zone no.



You can talk to the party.

Dial 52. Enter a parking zone number (0 through 9) where the call is parked.

Confirmation tone and dial tone

- If there is no held call, you will hear a reorder tone.

#### <PT Display Example>

No Held Call

### *Conditions*

- If a parked call is not retrieved within a pre-determined time (default: 30 seconds), “Hold Alarm/Hold Recall” occurs.
- If a parked call is not retrieved within thirty minutes, it will be automatically disconnected.
- This feature is useful when you want to hold more than one intercom call with a PT, or more than one intercom or outside call with an SLT.

### *Programming Reference*

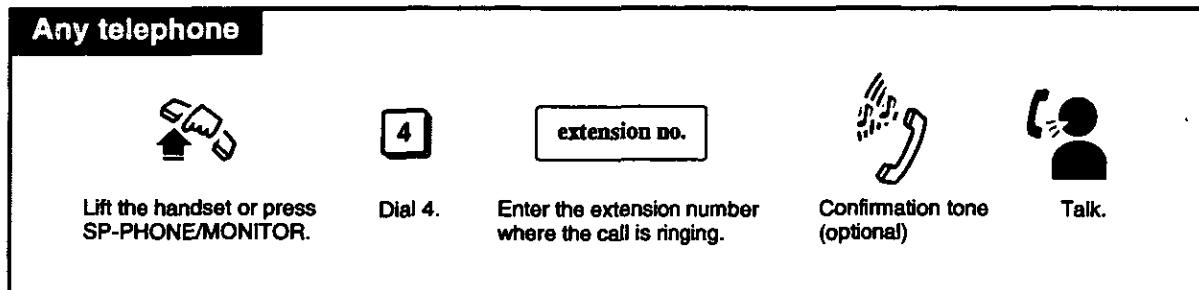
- System Programming — Installation Manual  
[200] Hold Recall Time

### *Feature Reference*

Hold Alarm/Hold Recall (→ See the Installation Manual.)

### *Call Pickup, Directed*

Allows you to answer an incoming call ringing at any other extension.



#### *Conditions*

- Doorphone calls can be picked up from extensions that are not programmed to answer doorphone calls.
- You can hear a confirmation tone when the call is picked up. The tone can be disabled.
- If a ringing extension sets the Call Pickup Deny feature, you will hear a reorder tone.

#### *Programming Reference*

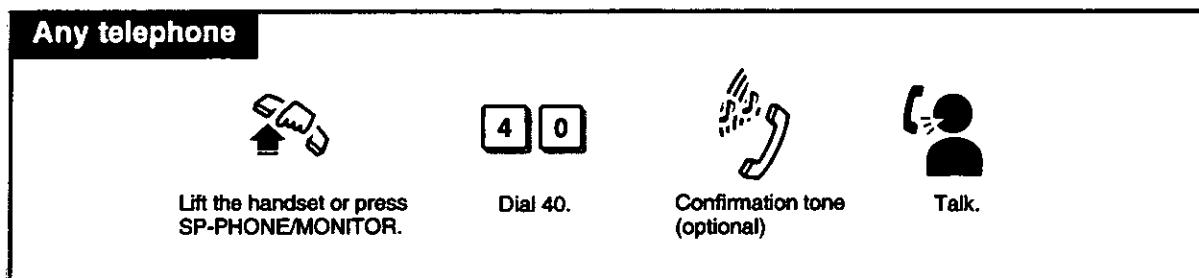
- System Programming — Installation Manual  
[117] Call Pickup Tone

#### *Feature Reference*

Call Pickup Deny  
Doorphone Call

### Call Pickup, Group

Allows you to answer a call that is ringing at another telephone within your extension group.



#### Conditions

- You can pick up an incoming outside, intercom or doorphone call, but you cannot pickup a Camp-On recall and hold recall.
- You can hear a confirmation tone when the call is picked up. The tone can be disabled.
- If a ringing extension sets the Call Pickup Deny feature, you will hear a reorder tone.

#### Programming References

- System Programming — Installation Manual
  - [117] Call Pickup Tone
  - [600] Extension Group Assignment

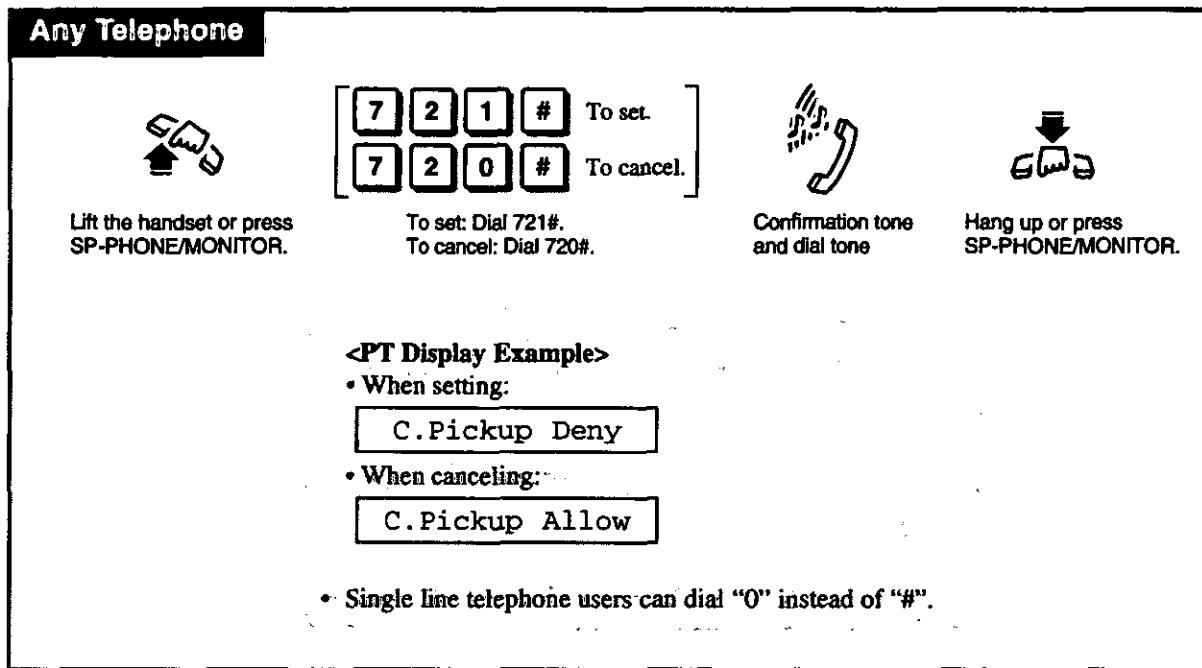
#### Feature References

Call Pickup Deny  
Extension Group (→ See the Installation Manual.)

## Call Pickup Deny

Allows you to prevent another extension from picking up your calls with the "Call Pickup" feature.

### Setting / Canceling



### Feature References

Call Pickup, Directed  
Call Pickup, Group

## 3.2 Telephone Features

C

### Call Retrieving from a TAM (Telephone Answering Machine)

Allows you to answer an incoming call received by a TAM.  
System Programming is required to use this feature.

#### Any telephone

*While the TAM is answering a call*



TAM no.



4



Lift the handset or press  
SP-PHONE/MONITOR.

Enter the TAM number.

Busy tone

Dial 4.

Talk.

#### Conditions

- When you try to pick up a call and hear a reorder tone, the TAM is not answering the call or the dialed extension is not the TAM extension.
- A TAM number is the 3-digit extension number of the TAM.

#### Programming Reference

- System Programming — Installation Manual  
[611] TAM (Telephone Answering Machine) Extension

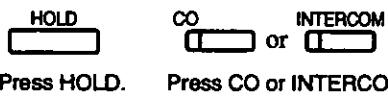
## Call Splitting

Allows you to talk to two different parties alternately. If a call is received while you are already on the line, you can place the current call on hold and have a conversation with the other party.

### *Having a conversation while another call is on (exclusive) hold*

#### PT

##### *Between one extension and one outside (CO) line*



- Repeating these operations (steps 1 and 2) alternates between the callers.

##### *Between two outside (CO) lines*



- Repeating these operations (steps 1 and 2) alternates between the callers.

##### *Between two extensions*



- Pressing the HOLD button alternates between the callers.

#### SLT



- The first held call is released.
- Flashing this switch alternates between the callers.

### Condition

- This feature does not work during a doorphone call or paging.

### Programming Reference

- System Programming — Installation Manual  
[104] Hold Mode Selection

### Feature References

- Call Hold
- Call Hold, Exclusive

## 3.2 Telephone Features

C

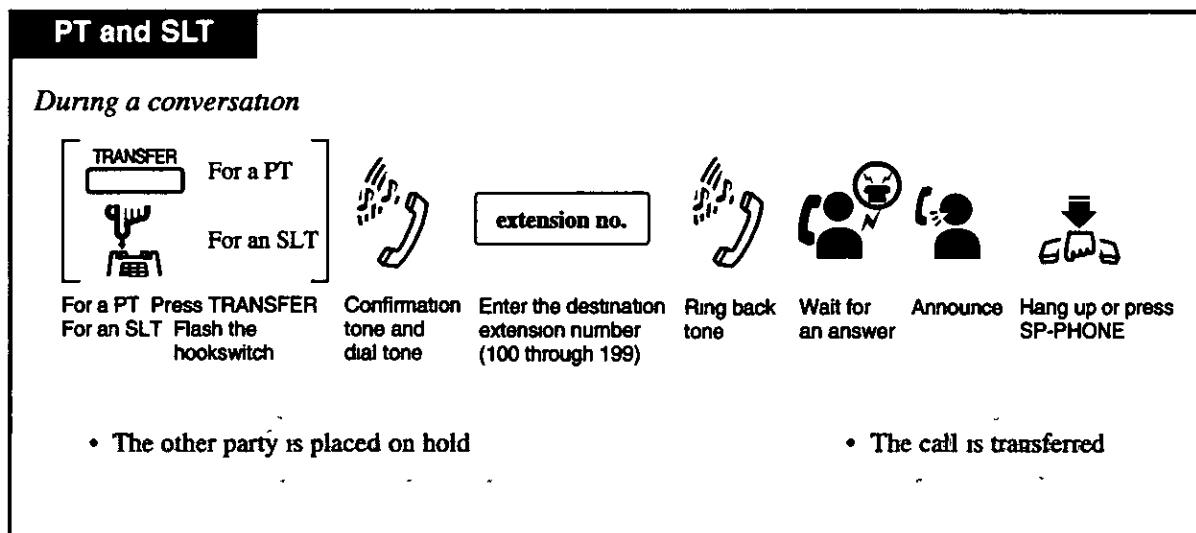
### Call Transfer — to Extension

Allows you to transfer a received call to another extension. There are two ways.

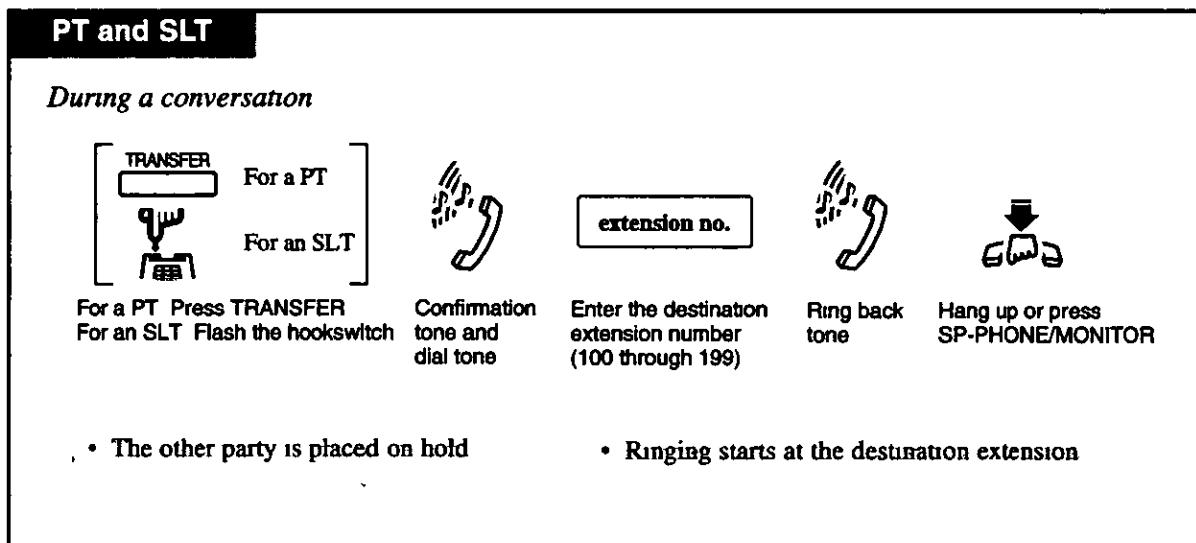
**Screened Call Transfer:** The destination confirms the transfer before sending.

**Unscreened Call Transfer:** The line is released after transferring the call without confirmation

#### Screened Call Transfer



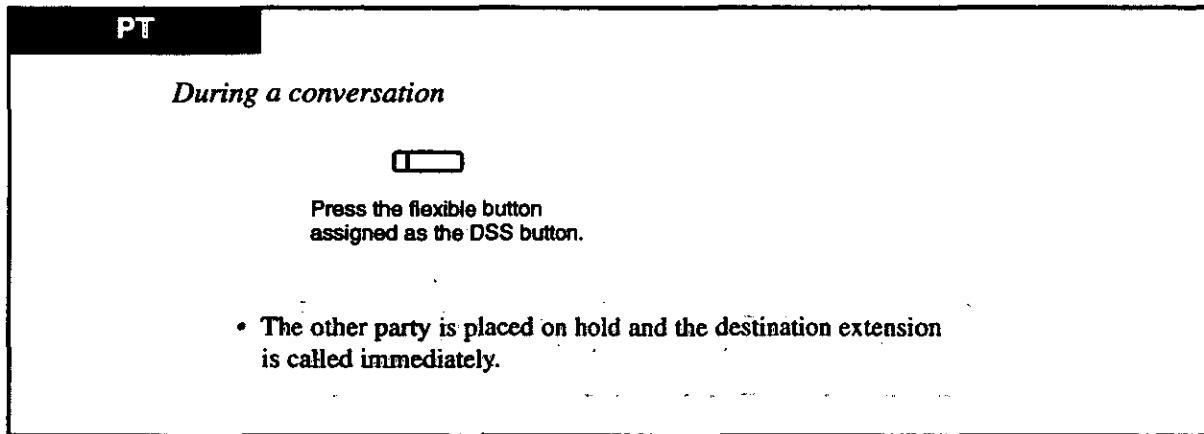
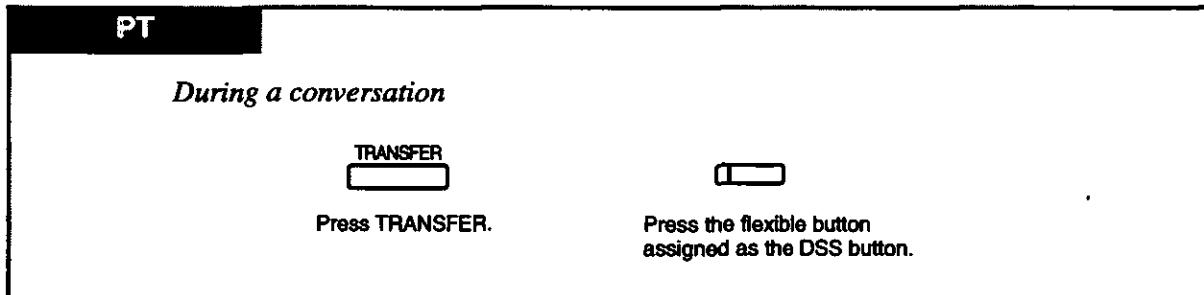
#### Unscreened Call Transfer



***Call Transfer using a DSS button***

Allows you to perform a Screened or Unscreened Call Transfer by using a DSS button. There are two operations, depending on whether or not One-Touch Transfer\* is set.

\* **One-Touch Transfer** allows you to hold an outside call and transfer it to an extension by pressing one key. This feature provides automatic hold and transfer, without pressing the TRANSFER button. System Programming is required to use this feature.

***“With Transfer” mode******“Without Transfer” mode***

### Conditions

- If the destination extension does not answer the call within a pre-determined time (default: 30 sec.), "Transfer Recall" occurs.
- If there is no answer within thirty minutes after "Transfer Recall" starts, the line will be disconnected.
- When the dialed extension is busy, you may access the extension by dialing "2" (Busy Station Signaling) or "3" (Executive Busy Override) and going on-hook.

**PT** • If you want to return to the held call, press the TRANSFER button or corresponding CO or INTERCOM button before the destination extension answers.

**PT** • When "Transfer Recall" occurs, the display will show the following:  
<Example>

RCL: Ext. 101

**PT** • A flexible CO button can be assigned as a DSS button.

**PT** • To use "One-Touch Transfer", System Programming is required.

**SLT** • If you want to return to the held call, flash the hookswitch before the destination extension answers.

**SLT** • If "Hold-3" is assigned in System Programming, you must dial "20" after flashing the hookswitch.

### Programming References

- Station Programming (Section 2)  
Flexible Button Assignment — Direct Station Selection (DSS) Button
- System Programming — Installation Manual
  - [005] One-Touch Transfer Using a DSS Button
  - [104] Hold Mode Selection
  - [201] Transfer Recall Time

### Feature References

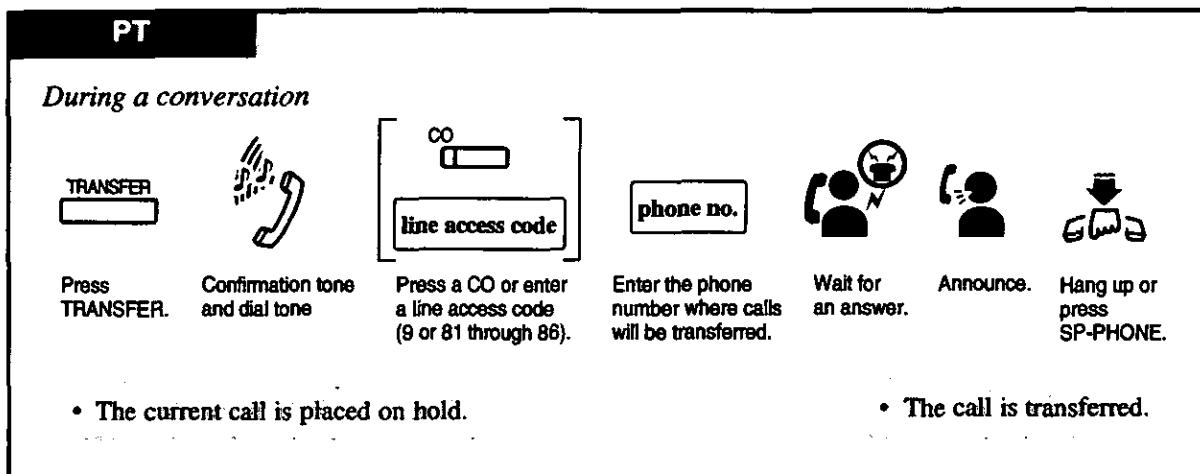
Call Transfer, Screened – to Extension (→ See the Installation Manual.)

Call Transfer, Unscreened – to Extension (→ See the Installation Manual.)

One-Touch Transfer Using a DSS Button (→ See the Installation Manual.)

## *Call Transfer — to an Outside (CO) Line*

Allows you to transfer a received call to an external party.



### *Conditions*

- PT** • If a CPC signal is sent to an outside (CO) line before the assigned time limit, a call between two external parties will be disconnected.
- PT** • System programming is required to execute this feature.
- PT** • If a call between two external parties is established, an alarm tone is sent to both parties fifteen seconds before the assigned time limit (default: 10 min.). "Hold Alarm/Hold Recall" is sent to the transferring extension fifty seconds before time out.
- PT** • If you want to return to the held call, press the TRANSFER button or corresponding CO or INTERCOM button before the destination party answers.
- PT** • If you want to join the conversation after transferring the call, press the corresponding CO button. A conference call is established.
- PT** • To change the party where the call is transferred before hanging-up, press the CO button whose indicator is flashing slowly to retrieve the call, then repeat the Call Transfer procedure.

### *Programming References*

- System Programming — Installation Manual
  - [205] Outside-to-Outside (CO-to-CO) Line Duration Time Limit
  - [420] Calling Party Control (CPC) Signal
  - [606] Call Transfer to an Outside (CO) Line

### *Feature References*

Conference  
 Hold Alarm/Hold Recall (→ See the Installation Manual.)

## 3.2 Telephone Features

C

### Call Waiting

During a conversation, a Call Waiting tone informs you that there is a call waiting. You can answer the second call by disconnecting the first call or placing it on hold.

#### Setting / Canceling for outside calls

**Any Telephone**

Lift the handset or press SP-PHONE/MONITOR.

7 3 1 1 # To set.  
7 3 1 0 # To cancel.

To set: Dial 7311#. To cancel: Dial 7310#.

Confirmation tone and dial tone

Hang up or press SP-PHONE/MONITOR.

**<PT Display Example>**

- When setting:  
CW (CO) On
- When canceling:  
CW (CO) Off

• Single line telephone users can dial "0" instead of "#".

#### Setting / Canceling for intercom calls

**Any Telephone**

Lift the handset or press SP-PHONE/MONITOR.

7 3 2 1 # To set.  
7 3 2 0 # To cancel.

To set: Dial 7321#. To cancel: Dial 7320#.

Confirmation tone and dial tone

Hang up or press SP-PHONE/MONITOR.

**<PT Display Example>**

- When setting:  
CW (Ext) On
- When canceling:  
CW (Ext) Off

• Single line telephone users can dial "0" instead of "#".

*To talk to the new party by terminating the current call*

PT	SLT
<p><i>While hearing a Call Waiting tone</i></p>  or 	<p><i>While hearing a Call Waiting tone</i></p>   

Press the flashing CO or INTERCOM.

Talk to the new caller.

Hang up. Lift the handset. Talk to the new caller.

- The current call is disconnected.

- The current call is disconnected.

*To talk to the new party by holding the current call*

PT	SLT
<p><i>While hearing the Call Waiting tone and the CO or INTERCOM indicator is flashing rapidly</i></p>   or  	<p><i>While hearing a Call Waiting tone</i></p>     

Press HOLD.

Press the flashing CO or INTERCOM.

Talk to the new caller.

Flash the hookswitch.

Dial tone

Hang up.

Lift the handset.

Talk to the new caller.

- The current call is placed on hold.

- The current call is placed on hold.

— If both the current call and new call are extension calls, you do not have to press the INTERCOM button.

***Conditions***

- The default setting for Call Waiting is "enabled".
- When Call Waiting is enabled, a Call Waiting tone is sent to the user under the following conditions.
  - 1) When an outside call is received, or
  - 2) When another extension executes the "Busy Station Signaling (BSS)" feature.
- Setting "Data Line Security" temporarily cancels this feature.
- You can change the desired Call Waiting tone (Tone 1 or Tone 2).

**PT** • If a Call Waiting tone is heard and the CO or INTERCOM indicator does not flash, this tone indicates Call Waiting from your telephone company. In this case, see "Call Waiting from a Central Office" or "External Feature Access".

**SLT** • If "Hold-2" or "Hold-3" is assigned in System Programming, you must dial "20" after flashing the hookswitch.

**SLT** • You cannot transfer the new call while holding the current call. If you want to do so, first park the original call using the Call Park feature; then hang up; then take the new call.

***Programming References***

- Station Programming (Section 2)  
Call Waiting Tone Type Assignment
- System Programming — Installation Manual  
[104] Hold Mode Selection

***Feature References***

- Busy Station Signaling (BSS)
- Call Park
- Call Waiting from a Central Office
- Data Line Security
- External Feature Access

## Call Waiting from a Central Office

During a conversation, a Call Waiting tone offered by your Central Office signals you that there is a call waiting. You can respond to the call by placing the first call on hold.

PT	SLT
<p><i>While hearing a Call Waiting tone through the handset</i></p> <p> FLASH</p> <p>Press FLASH.</p> <p> Talk to the new caller.</p> <p>• The current call is placed on hold.</p>	<p><i>While hearing a Call Waiting tone through the handset</i></p> <p> Flash the hookswitch.</p> <p> Dial 6.</p> <p> Talk to the new caller.</p> <p>• The current call is placed on hold.</p>

### Conditions

<b>PT</b>	• You can return to the original party by pressing the FLASH button again.
<b>SLT</b>	• You can return to the original party by repeating the steps above.
<b>SLT</b>	• If "Hold-2" or "Hold-3" is assigned in System Programming, you must dial "20" after flashing the hookswitch.

### Programming References

#### System Programming — Installation Manual

- [104] Hold Mode Selection
- [110] Flash Key Mode
- [418] Flash Time

### Feature Reference

#### External Feature Access

***Conference***

During a two-party conversation, you can add a third party to make a three-party conference. The members of a conference may be three extensions, one extension and two outside (CO) lines, or two extensions and one outside (CO) line.

***To establish a conference***

**PT**

*During a two-party conversation*



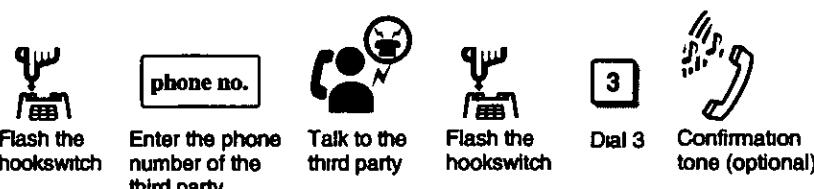
Press CONF      Enter the phone number of the third party      Talk to the third party      Press CONF      Confirmation tone (optional)

A three-party conference is now established

- The CONF indicator light turns steady red
- The corresponding CO or INTERCOM indicator light turns green.
- You must dial the line access code (9 or 81 through 86) as the first digit when calling an external party
- The current party is placed on hold
- The CONF indicator light flashes red slowly.

**SLT**

*During a two-party conversation*



Flash the hookswitch      Enter the phone number of the third party      Talk to the third party      Flash the hookswitch      Dial 3      Confirmation tone (optional)

A three-party conference is now established

- You must dial the line access code (9 or 81 through 86) as the first digit when calling an external party
- The other party is placed on hold

*To leave the conference***Any telephone**

Hang up or press SP-PHONE.

- The other two parties may continue their conversation.
- If the other two parties are both outside (CO) lines, they will be disconnected.

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

Flash the hookswitch.

Confirmation tone  
(optional)

Talk to the original party.

*To terminate one party and talk to the other***PT**

CO or INTERCOM

Press the CO or INTERCOM  
of the party to remain connected.Confirmation tone  
(optional)

Talk.

- A conversation with the desired party is established and the other party is disconnected.

### Conditions

- A conference call can also be established by "Executive Busy Override".
- When a two-party call is changed to a three-party call or vice versa, a confirmation tone is sent to all parties. The tone can be disabled.
- PT** • Pressing a CO button which is not in the conference allows you to exit from the conference, leaving the other two parties connected unless they are both outside (CO) lines.  
If the other parties are both outside (CO) lines, they will be disconnected.
- PT** • If the third party does not answer, press the CO button or INTERCOM button to return to the second party.
- SLT** • You can return to the original party before the third party answers by flashing the hookswitch.
- SLT** • If "Hold-2" or "Hold-3" is assigned in System Programming, you must dial "20" after flashing the hookswitch.

### Programming References

- Station Programming (Section 2)  
Flexible Button Assignment — Conference (CONF) Button
- System Programming — Installation Manual  
[104] Hold Mode Selection  
[105] Conference Tone

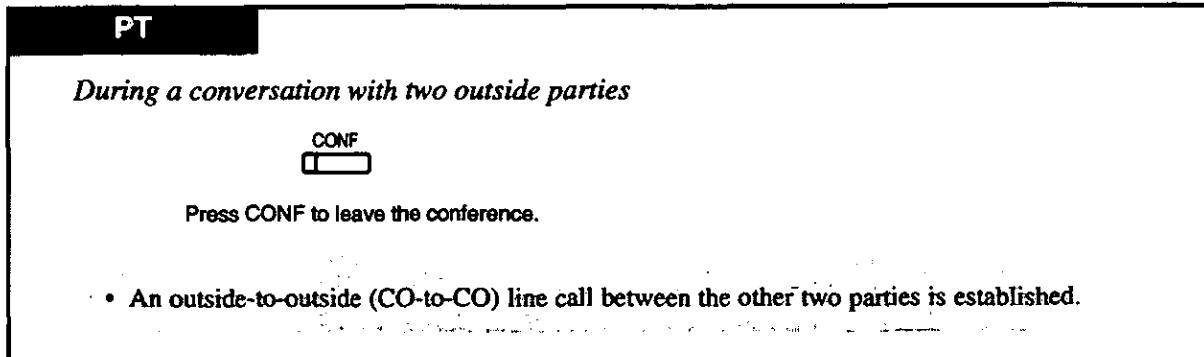
### Feature References

- Conference, Unattended
- Executive Busy Override — Extension
- Executive Busy Override — Outside (CO) Line

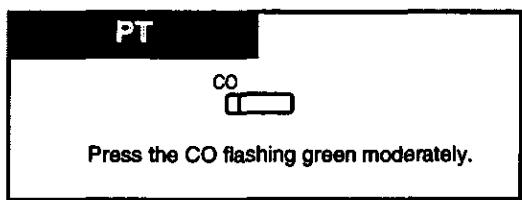
## *Conference, Unattended*

When you are in a conference with two outside parties, you can leave the conference call allowing the other two parties to continue their conversation.

### *To establish an Unattended Conference*



### *To return to the conference*



### *Conditions*

- System Programming is required to execute this feature.
- PT • When an Unattended Conference is established, an alarm tone is sent to both outside parties fifteen seconds before the assigned time limit (default: 10 min.). "Hold Recall" is activated at the extension that leaves the conference fifty seconds before the time out. The call is disconnected when the time out expires unless the extension returns to the conference.
- PT • For example, if you are on-hook and hear "Hold Recall" during the Unattended Conference mode, the display will show "CO 2 & CO 3" for fifty seconds before the time out.

### *Programming References*

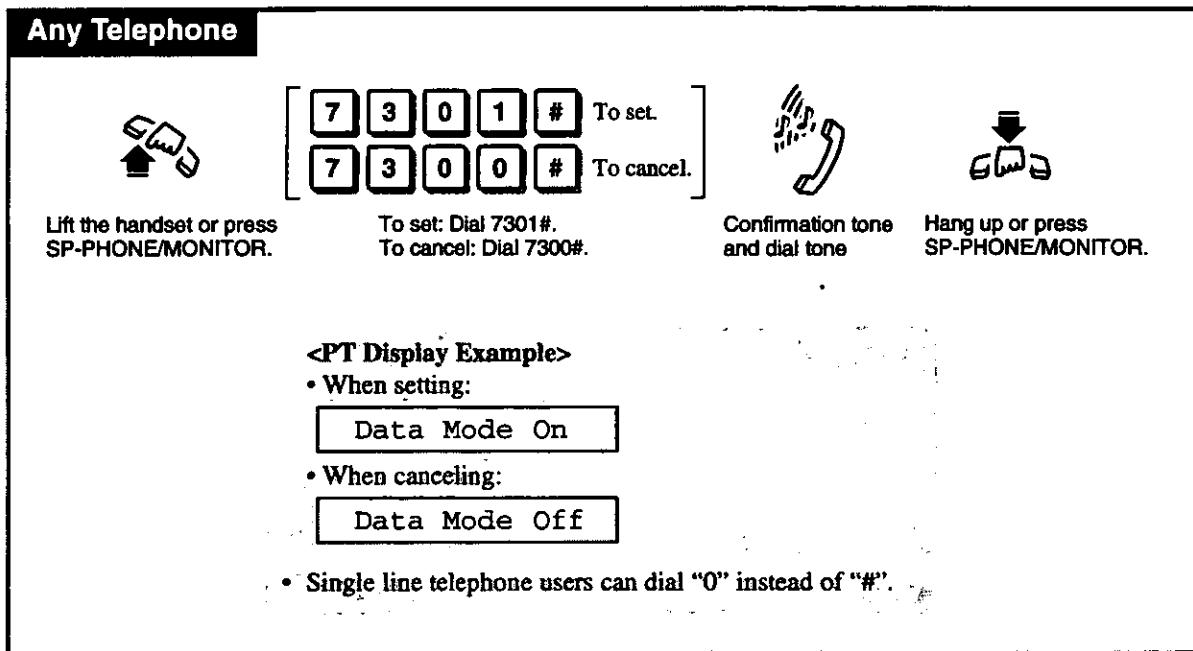
- System Programming — Installation Manual
  - [205] Outside-to-Outside (CO-to-CO) Line Duration Time Limit
  - [606] Call Transfer to an Outside (CO) Line

### *Feature References*

Conference  
Hold Alarm/Hold Recall (→ See the Installation Manual.)

***Data Line Security***

Your extension can be protected against interruptions from the "Call Waiting", "Hold Alarm/Hold Recall", and "Executive Busy Override" features. Data communication devices, such as computers and facsimiles, can operate uninterrupted.

***Setting / Canceling******Feature References***

Call Waiting

Executive Busy Override — Extension

Executive Busy Override — Outside (CO) Line

Hold Alarm/Hold Recall (→ See the Installation Manual.)

### Direct Inward System Access (DISA)

Allows an outside caller to access specific extensions, etc., as if the caller is an extension in the system. A DISA outgoing message gives outside callers assistance, such as listing the extension numbers or DISA built-in auto attendant (AA) numbers in the system. If the optional OGM/FAX Detection card is not installed, callers will only hear a beep instead of a message. This saves you having an operator. A pre-assigned DISA security code may be necessary, depending on the mode, to access the features directly.

**None Security mode:** Any caller can make outside or intercom calls without entering a DISA security code.

**Trunk Security mode (default):** You need to enter a DISA security code when making outside calls.

**All Security mode:** You need to enter a DISA security code when making any call. You also have the option of calling an extension or ring group using a one digit number (DISA built-in auto attendant number) via DISA calls.

#### Calling an extension by following the outgoing message

##### Any Telephone

###### In None Security Mode

DISA phone no.



extension no.



Enter the DISA phone number.

Ringback tone and  
DISA outgoing message

Enter the extension number.

Ring back tone

- You can dial the AA number instead.

###### In All Security Mode

DISA phone no.



\*

DISA security code



extension no.



Enter the DISA  
phone number.

Ringback tone  
and  
DISA outgoing  
message

Dial \*

Enter the pre-assigned  
DISA security code  
(4 digits).

One short  
beep

Enter the  
extension number.

Ring back  
tone

- You can dial the AA number instead.

*Calling an extension without an outgoing message***Any Telephone***In None Security Mode***DISA phone no.**

Enter the DISA phone number.

**extension no.**

Ring back tone

- You can dial the AA number instead.

*In All Security Mode***DISA phone no.**

Enter the DISA phone number.

**\*****DISA security code**

One short beep

**extension no.**

Ring back tone

Enter the pre-assigned DISA security code (4 digits).

- You can dial the AA number instead.

*Calling an external party by following the outgoing message***Any Telephone***In None Security Mode***DISA phone no.**

Enter the DISA phone number.

**line access code**

Ringback tone and DISA outgoing message

**phone no.**

Enter the phone number of the external party.

Enter a line access code (9 or 81 through 86).

Dial tone from the Central Office

*In Trunk Security Mode***DISA phone no.**

Enter the DISA phone number.

**\*****DISA security code****line access code****phone no.**

Ringback tone and DISA outgoing message

Dial \*.

Enter the pre-assigned DISA security code (4 digits).

One short beep

Enter a line access code (9 or 81 through 86).

Dial tone from the Central Office

Enter the phone number of the external party.

*In All Security Mode***DISA phone no.**

Enter the DISA phone number.

**\*****DISA security code****line access code****phone no.**

Ringback tone and DISA outgoing message

Dial \*.

Enter the pre-assigned DISA security code (4 digits).

One short beep

Enter a line access code (9 or 81 through 86).

Dial tone from the Central Office

Enter the phone number of the external party.

*Calling an external party without an outgoing message***Any Telephone***In None Security Mode***DISA phone no.****line access code****phone no.**

Enter the DISA phone number.

Ringback tone and one short beep

Enter a line access code (9 or 81 through 86).

Dial tone from the Central Office

Enter the phone number of the external party.

*In Trunk Security Mode***DISA phone no.****\*****DISA security code****line access code****phone no.**

Enter the DISA phone number.

Ringback tone and one short beep

Dial **\***.

Enter the pre-assigned DISA security code (4 digits).

One short beep

Enter a line access code (9 or 81 through 86).

Dial tone from the Central Office

Enter the phone number of the external party.

*In All Security Mode***DISA phone no.****\*****DISA security code****line access code****phone no.**

Enter the DISA phone number.

Ringback tone and one short beep

Dial **\***.

Enter the pre-assigned DISA security code (4 digits).

One short beep

Enter a line access code (9 or 81 through 86).

Dial tone from the Central Office

Enter the phone number of the external party.

**Conditions**

- An optional OGM/FAX Detection card is necessary for outgoing messages.
- When an incoming call is not answered before the "DISA Ringing Time Before Intercept" (default: 20 seconds) expires, "Intercept Routing" starts or the call will be disconnected.
- "Intercept Routing" starts after the "DISA Waiting Time After OGM" expires (default: 5 seconds), if nothing has been dialed. The call is disconnected when the "DISA Ringing Time After Intercept" (default: 20 seconds) expires, or when there is no destination for "Intercept Routing".
- This system supports up to ten programmable DISA built-in auto attendant (AA) numbers. Each number must be one digit. You can access an extension or a ring group by entering a 1-digit AA number.
- You can store up to four programmable DISA security codes. These codes must have four digits, and they must be different.
- When the "Outside-to Outside (CO-to-CO) Line Duration Time Limit" expires, both lines are disconnected unless the caller re-tries or extends the time (default: 10 min.), if available. A warning tone is sent to both parties fifteen seconds before the time limit.
- If you dial the wrong DISA security code, three beeps will be heard. The call will be disconnected after three failed attempts. If you enter the security code a second and third time, you do not need to dial **\***.

***Programming References***

- System Programming — Installation Manual
  - [205] Outside-to-Outside (CO-to-CO) Line Duration Time Limit
  - [414]-[416] Outside (CO) Line Mode — Day/Night/Lunch
  - [500] DISA Incoming Dialing Mode Selection
  - [501] DISA Built-in Auto Attendant
  - [502] OGM Mode Selection
  - [503] FAX Connection
  - [504] DISA Delayed Answer Time
  - [505] DISA Waiting Time After OGM
  - [506] DISA Busy Mode
  - [507] DISA Intercept Mode
  - [508] DISA Ringing Time Before Intercept
  - [509] DISA Ringing Time After Intercept
  - [510] DISA No Dial Mode
  - [511] DISA Security Type
  - [512] DISA Security Codes
  - [513] Cyclic Tone Detection
  - [514] FAX Tone Detection
  - [515] Intercept Time For Internal DISA
  - [516] DISA Incoming Assignment
  - [517] DISA AA Wait Time
  - [518] DISA Tone Selection after the Security Code

***Feature References***

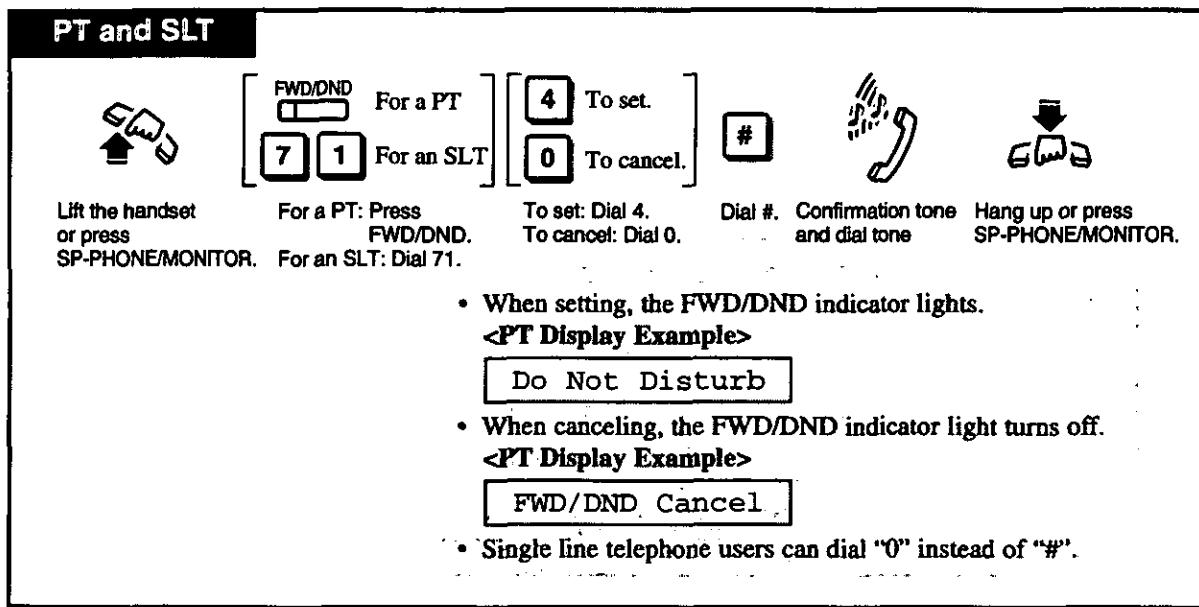
Intercept Routing (→ See the Installation Manual.)

Outgoing Message (OGM) (3.3 Operator/Manager Service Features)

## Do Not Disturb (DND)

Allows you to prevent other parties from disturbing you. Your extension will not receive intercom or outside calls.

### Setting / Canceling



### Conditions

- A calling extension that has "Do Not Disturb (DND) Override" enabled can override your extension when the "Do Not Disturb (DND)" mode is set.
- DND also inhibits for paging.
- If the Call Forwarding feature has already been set, setting the DND feature will cancel Call Forwarding.
- The Timed Reminder alarm and Hold Recall features override this feature.

**PT**

- A flexible CO button on the KX-T7050 and KX-T7055 (no FWD/DND button provided) can be assigned as the FWD/DND button.

**PT**

- If the "Do Not Disturb (DND)" mode is set, you can still answer a call by pressing the CO button.

**PT**

- The lighting patterns of the FWD/DND button are as follows.
  - Off: Both features are not set.
  - Red: DND mode
  - Flashing red slowly: FWD mode

### Programming Reference

- Station Programming (Section 2)
- Flexible Button Assignment — FWD/DND Button

### Feature References

Call Forwarding

Do Not Disturb (DND) Override

### Do Not Disturb (DND) Override

Allows you to call an extension even though the "Do Not Disturb (DND)" feature is set. System Programming is required to use this feature.

#### Any Telephone

*If you make an intercom call and hear a Do Not Disturb (DND) tone*



DND tone



Dial 2.



Wait for an answer.

#### <PT Display Example>

101: DND

#### Conditions

- If you hear a reorder tone after dialing 2, the "Do Not Disturb (DND) Override" feature is not set at your extension.
- If you hear a busy tone after dialing 2, the line is busy. You can use the Automatic Callback Busy (Camp-On) feature.

#### Programming Reference

- System Programming — Installation Manual  
[609] Do Not Disturb Override

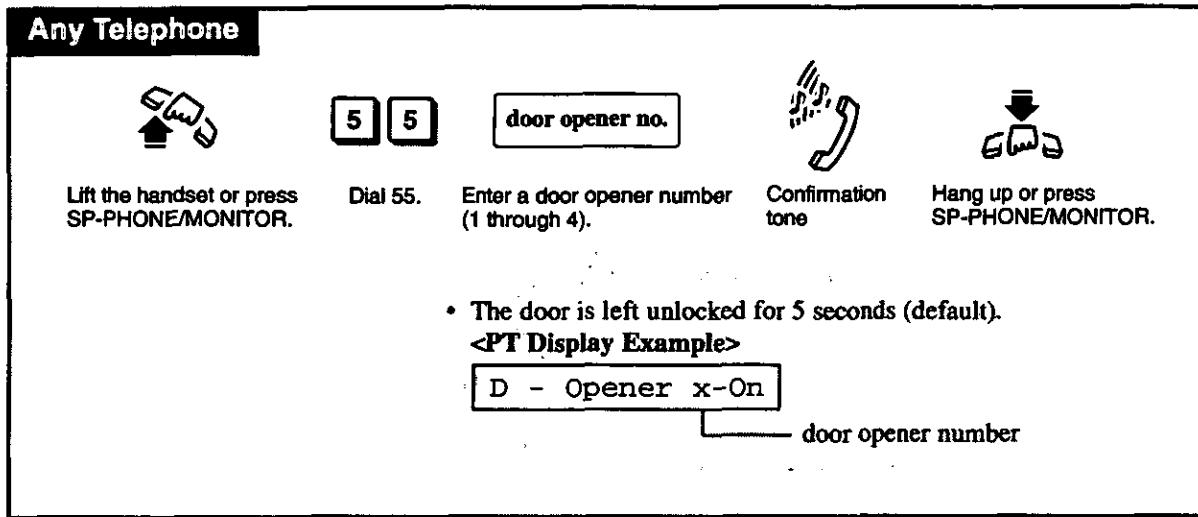
#### Feature References

Automatic Callback Busy (Camp-On)  
Do Not Disturb (DND)

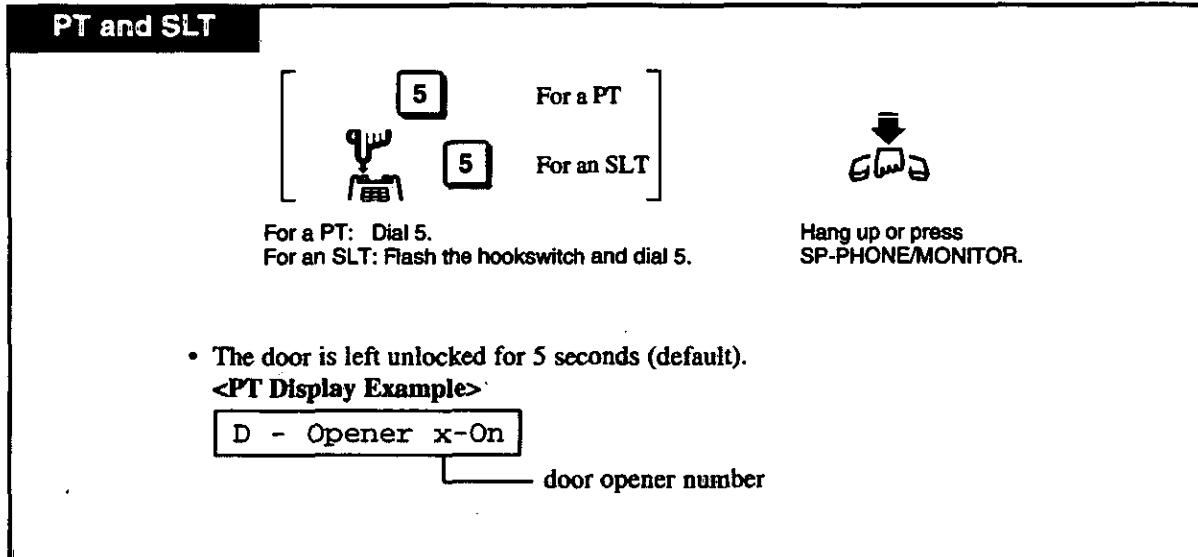
### Door Opener

Allows you to unlock the door from your telephone.  
Up to four door openers can be connected to the system.

#### *To unlock the door from an assigned extension*



#### *To unlock the door while talking to the doorphone*



### ***Conditions***

- An optional Doorphone/Door Opener card is necessary for this feature.
- If you dial 5 again while the door is open, the door will stay open for another five seconds (default).
- You must program the extensions which can open the doors for the day, night and lunch modes.
- You can modify the door opener timer through System Programming.
- The door opener will open the door, even if a doorphone is not installed.

### ***Programming References***

- System Programming — Installation Manual
  - [703]–[705] Door Opener Assignment — Day/Night/Lunch
  - [709] Door Opener Timer

### Doorphone Call

Allows you to have a conversation with a visitor at your doorphone.  
Up to four doorphones can be connected to the system.

#### Calling an extension from a doorphone

**Any Doorphone**



Press the Doorphone button for one second.      Wait for an answer and talk.

#### Answering a doorphone call

**Any Telephone**

When you hear the doorphone ring tone at the extension



Lift the handset or press SP-PHONE/MONITOR.

#### Calling a doorphone

**Any Telephone**



Lift the handset or press SP-PHONE/MONITOR.      Dial 31.      Enter a doorphone number (1 through 4).      Confirmation tone      Talk.

**<PT Display Example>**

Door	Phone	x
------	-------	---

doorphone number

***Conditions***

- An optional Doorphone/Door Opener card and doorphones are necessary for this feature.
- If you do not answer an incoming doorphone call within fifteen or thirty seconds, the call will be canceled.
- You must program the extensions which can receive calls from each doorphone for the day, night and lunch modes.
- Any extension user can call a doorphone.
- The Call Waiting feature is not available with doorphone calls.
- Doorphone 1 and Doorphone 2 cannot receive calls simultaneously. When one is in use, an extension user cannot have a conversation with the other. This is the same for Doorphone 3 and Doorphone 4.
- Doorphones can also be used for the Room Monitor feature.

***Programming References***

- System Programming — Installation Manual
  - [700]—[702] Doorphone Ringing Assignment — Day/Night/Lunch
  - [706] Doorphone Ringing/Tone Pattern Selection
  - [707] Doorphone Access Tone Selection
  - [708] Doorphone Ringing Time

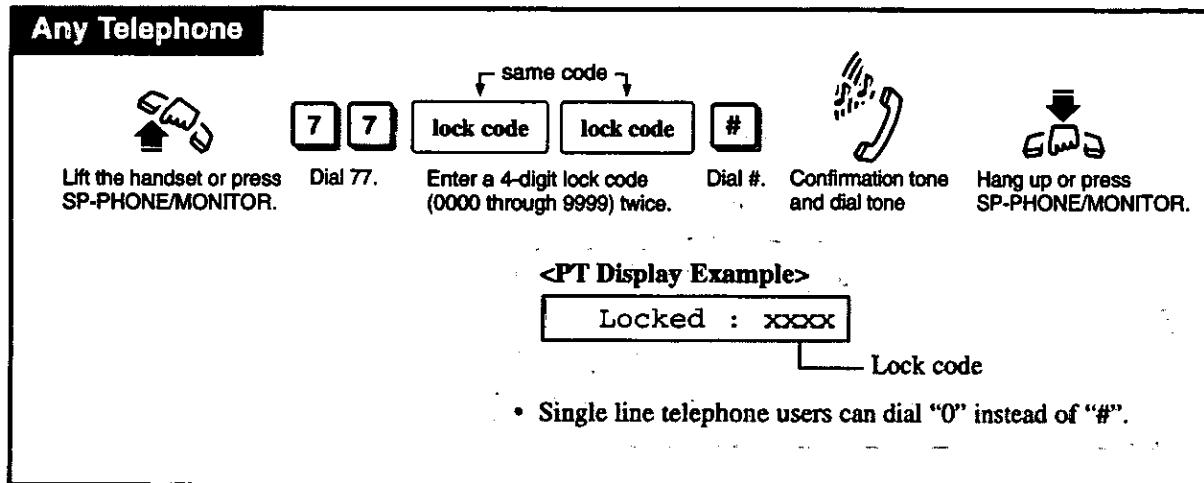
***Feature References***

Call Waiting  
Room Monitor

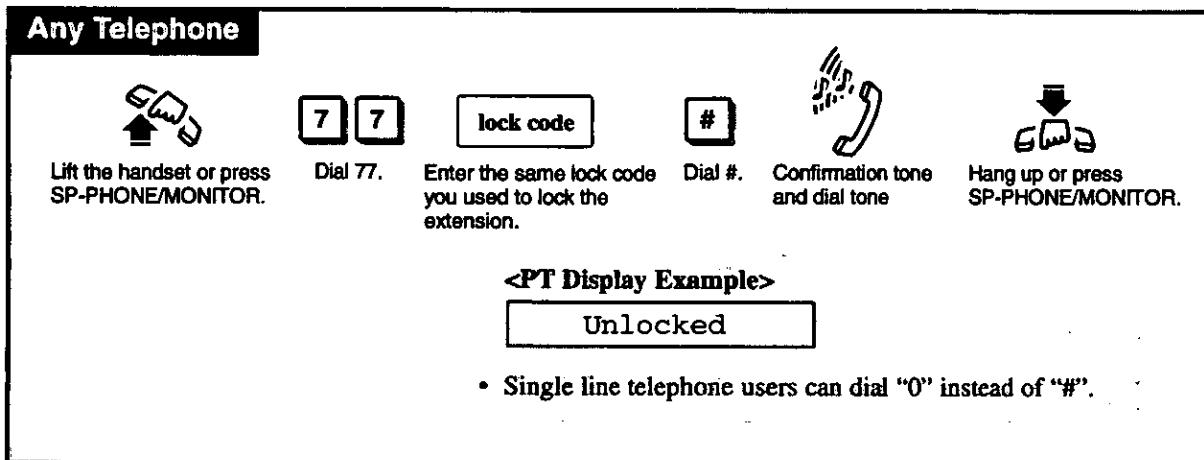
### Electronic Station Lockout

Allows you to lock your extension so that other users cannot make outside calls from your extension. This feature also works as Call Log Lock, Incoming.

#### Locking



#### Unlocking



***Conditions***

- If another user tries to access an outside (CO) line from a locked extension, the user will hear a reorder tone and for PT users "Restricted" is shown on the display. However, calls can be made at a locked extension depending on system programming. System programming determines which COS number applies to calls at the locked extension.
- An extension assigned as an operator or manager can cancel this feature for all the other extensions (Electronic Station Lockout — CANCEL ALL).
- "Remote Station Lock Control" overrides this feature. If the operator or manager sets Remote Station Lock on the extension you have already locked, you cannot unlock it.
- The lock code must be four digits except for the "#" and "\*" buttons.
- You can make intercom calls and receive intercom or outside calls at a locked extension.

***Programming Reference***

- System Programming — Installation Manual  
[312] Toll Restriction — Station Lock Boundary Class

***Feature References***

Call Log Lock, Incoming

Electronic Station Lockout — CANCEL ALL (3.3 Operator/Manager Service Features)

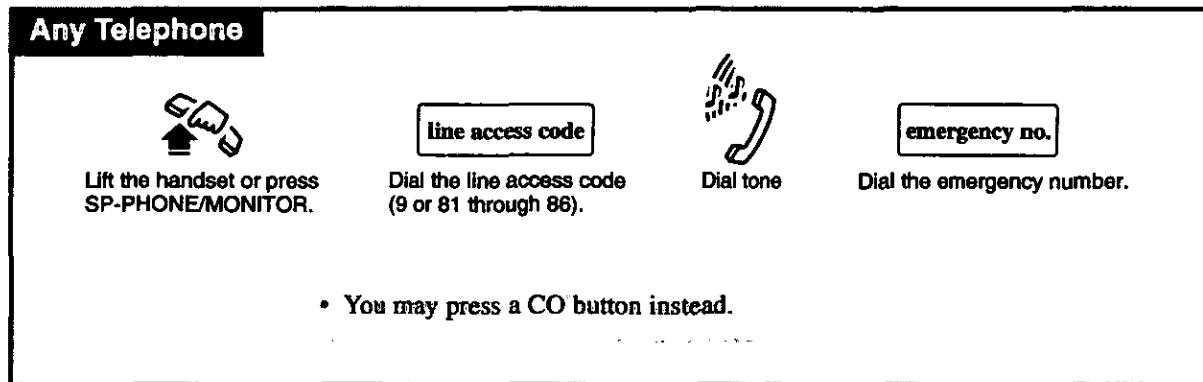
Remote Station Lock Control (3.3 Operator/Manager Service Features)

Toll Restriction — Station Lock Boundary Class

### *Emergency Call*

Allows you to dial a pre-assigned emergency number after seizing an outside (CO) line. Up to five emergency dial numbers can be stored.

#### *Dialing*



#### *Conditions*

- An emergency call is allowed even in the following cases,
  - Account Code – Verify (All, Toll) modes
  - Any toll restriction COS number
  - Electronic Station Lockout
- If your telephone is connected to a host PBX, you must dial the host PBX line access code after the line access code.

#### *Programming References*

- System Programming — Installation Manual
  - [309] Emergency Dial Number Set
  - [403] Host PBX Access Codes

#### *Feature References*

Account Code Entry  
Electronic Station Lockout  
Toll Restriction (→ See the Installation Manual.)

### Executive Busy Override — Extension

Allows you to connect to an existing intercom (extension) call. System Programming is required to use this feature.

#### Any Telephone

*If you make an intercom call and while hearing a busy tone*

3

Dial 3.



Confirmation tone (optional)

A three-party conference is now established.

*To leave the conference*

#### Any Telephone



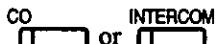
Hang up or press SP-PHONE.

The other two parties continue their conversation.

*To terminate one party and talk to the other*

PT

CO



or



Press the CO or INTERCOM of the party to remain connected.



Confirmation tone (optional)

- If all three parties are extensions, this operation is not available.

#### Conditions

- This feature does not work when "Data Line Security" or "Executive Busy Override Deny" is set at either or both of the other parties.
- When a two-party call is changed to a three-party call or vice versa, a confirmation tone is sent to all parties. The tone can be disabled.

#### Programming References

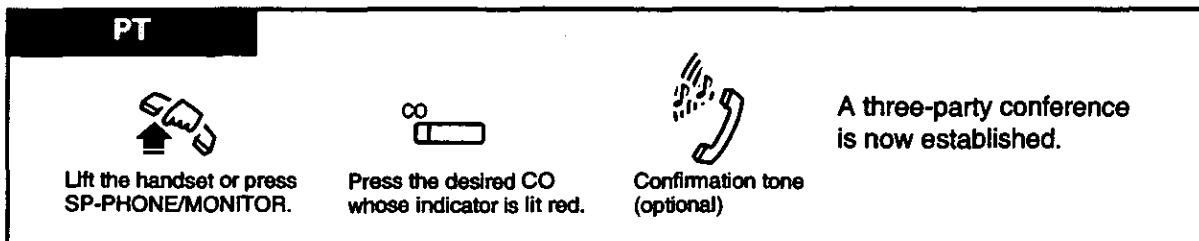
- System Programming — Installation Manual
  - [105] Conference Tone
  - [608] Executive Busy Override

#### Feature References

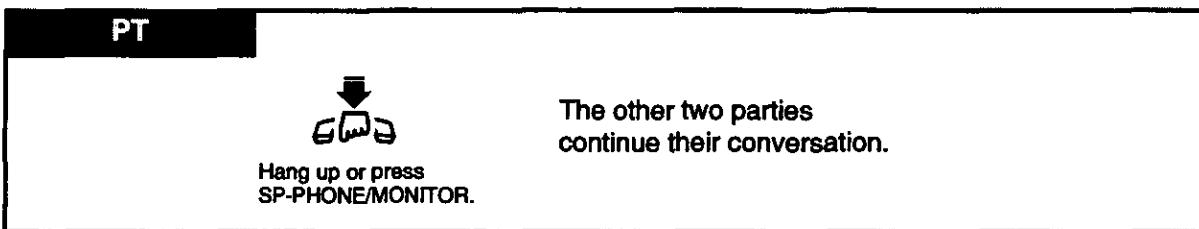
- Conference
- Data Line Security
- Executive Busy Override Deny

### Executive Busy Override — Outside (CO) Line

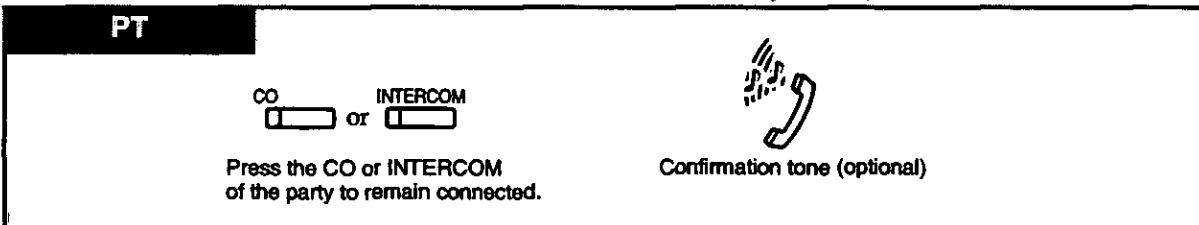
Allows you to connect to an existing outside call or add a third party to your existing conversation. System Programming is required to use this feature.



*To leave the conference*



*To terminate one party and talk to the other*



#### Conditions

- PT** • This feature does not work when "Data Line Security" or "Executive Busy Override Deny" is set at the extension engaged in the existing outside call.
- PT** • When a two-party call is changed to a three-party call or vice versa, a confirmation tone is sent to all parties. The tone can be disabled.

#### Programming References

- System Programming — Installation Manual
  - [105] Conference Tone
  - [608] Executive Busy Override

#### Feature References

Conference  
Data Line Security  
Executive Busy Override Deny

### Executive Busy Override Deny

Allows you to prevent other extension users from interrupting your conversation.

#### Setting / Canceling

**Any Telephone**

Lift the handset or press SP-PHONE/MONITOR.

To set Deny: Dial 7330#.  
To set Allow: Dial 7331#.

To set Deny. To set Allow.

Confirmation tone

Hang up or press SP-PHONE/MONITOR.

**<PT Display Example>**

- When setting Deny:  
**Busy Ovrde Deny**
- When setting Allow:  
**Busy Ovrde Allow**
- Single line telephone users can dial "0" instead of "#".

#### Programming Reference

- System Programming — Installation Manual  
[608] Executive Busy Override

#### Feature References

- Executive Busy Override — Extension
- Executive Busy Override — Outside (CO) Line

## External Feature Access

Allows you to access special features (e.g. Call Waiting) offered by a host PBX or Central Office. This feature is effective only during an outside call. You can access the feature by using either the FLASH button or the feature number.

### Using the **FLASH** button

**PT**

*During a conversation with an outside party*

Press FLASH.      Enter the desired service code.

- The current call is placed on hold.

### Using the feature number

**SLT**

*During a conversation with an outside party*

Flash the hookswitch.      Dial 6.      Enter the desired service code.

- The current call is placed on hold.

### Conditions

- PT** • A "Flash Time" must be assigned as required by the host PBX, or outside (CO) line.
- PT** • You may access some features of the host PBX using the FLASH button. If the system is connected to a host PBX and the flash operation is required, follow the flash operation procedure which is required by the host PBX.

### Programming References

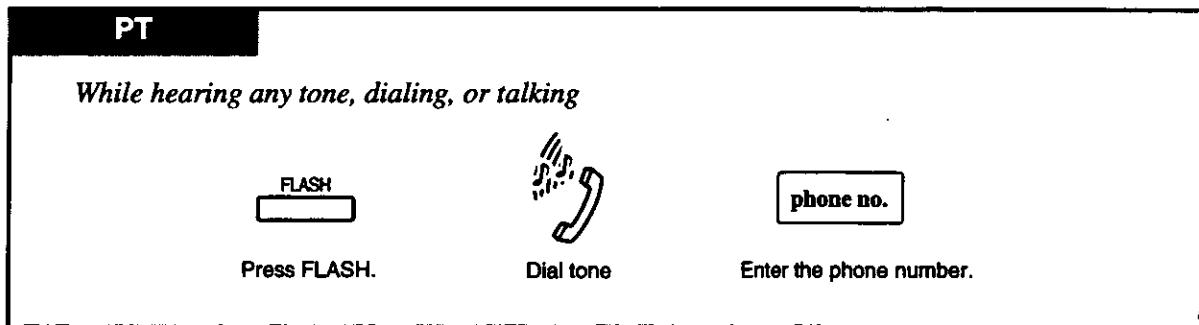
- System Programming — Installation Manual
  - [110] Flash Key Mode
  - [418] Flash Time

### Feature Reference

Flash

### Flash

Allows you to disconnect the current call and make another call without hanging up.



### Condition

- System Programming may be required to perform this feature properly.

### Programming References

- System Programming — Installation Manual
  - [110] Flash Key Mode
  - [418] Flash Time

### Feature Reference

External Feature Access

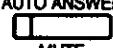
### ***Handsfree Answerback*** (—for KX-T7020/KX-T7030/KX-T7130 only)

Allows you to answer an intercom call without lifting the handset.

#### ***Setting***

**PT**

*When the SP-PHONE and the AUTO ANSWER/MUTE indicator are off*

**AUTO ANSWER**  
  
**MUTE**

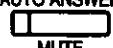
Press AUTO ANSWER/MUTE.

- The AUTO ANSWER/MUTE indicator turns on.

#### ***Cancelling***

**PT**

*When the AUTO ANSWER/MUTE indicator is on*

**AUTO ANSWER**  
  
**MUTE**

Press AUTO ANSWER/MUTE.

- The AUTO ANSWER/MUTE indicator light turns off.

#### ***Conditions***

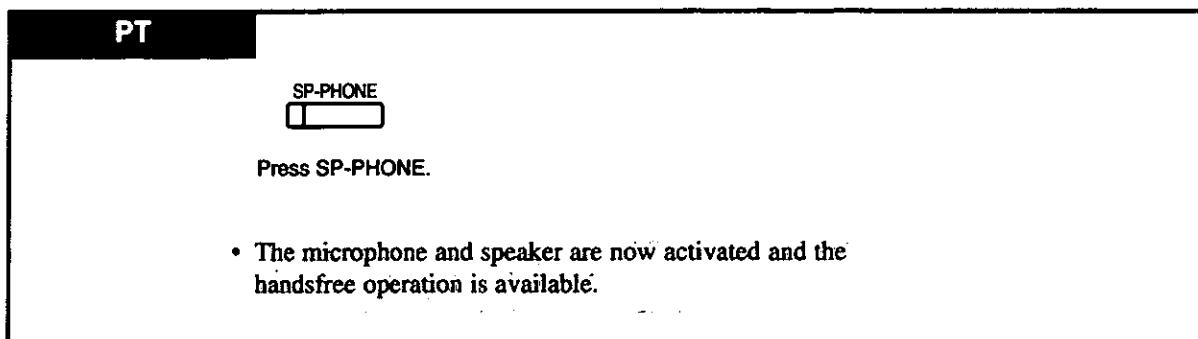
- PT** • This feature does not work for incoming outside calls or doorphone calls.
- PT** • When an outside call is transferred to your extension, this feature is overridden and a ring tone is heard.

## 3.2 Telephone Features

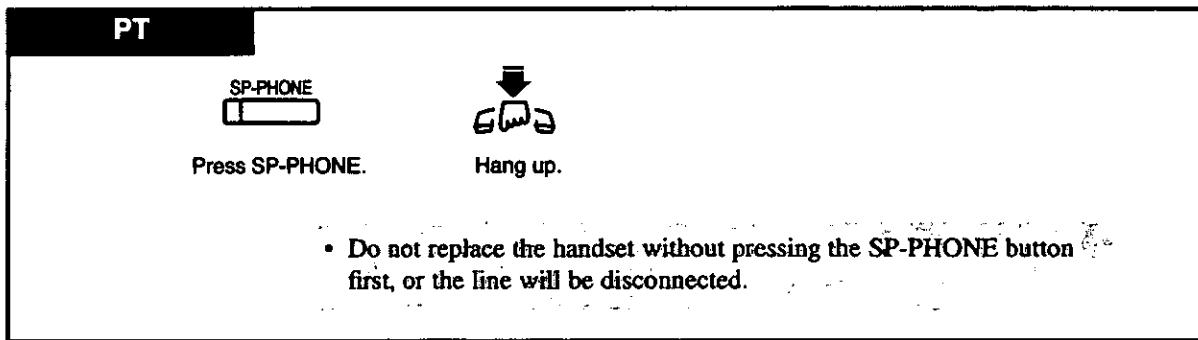
# H

### **Handsfree Operation** (— for KX-T7020/KX-T7030/KX-T7130 only)

Allows you to dial and to talk to the other party without lifting the handset.



#### *Switching from the handset to handsfree mode*



#### *Switching from handsfree to the handset mode*



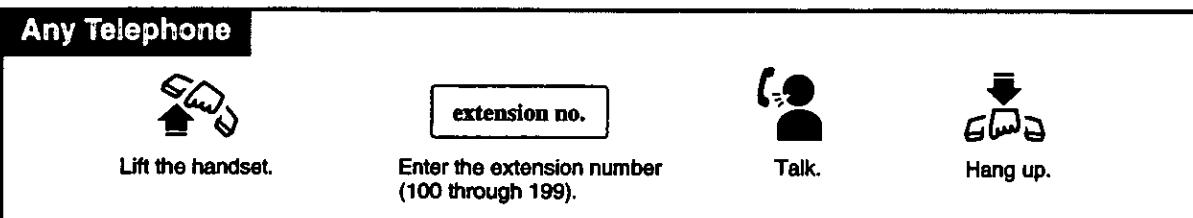
#### *Conditions*

- PT** • Helpful hints for the Handsfree operation:
  - Use this unit in a quiet room for best performance.
  - If you and the other party talk at the same time, parts of your conversation will be lost. To avoid this, talk alternately.
- PT** • The handsfree mode is canceled if you do not start dialing within ten seconds.
- PT** • The KX-T7050 and KX-T7055 have MONITOR buttons instead of a SP-PHONE button. It can be used for handsfree dialing, etc., but it cannot be used for a handsfree conversation.
- PT** • You can enable the handsfree mode by pressing a CO or INTERCOM button.

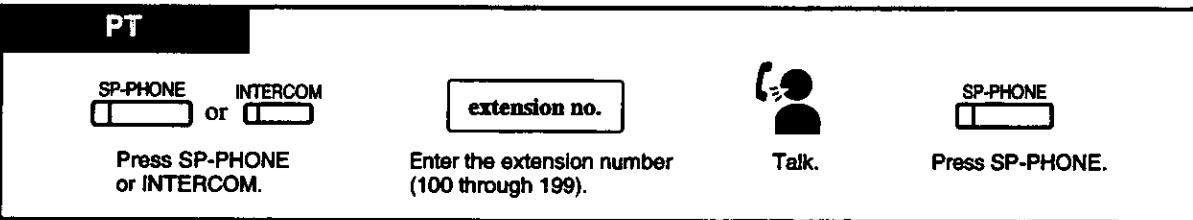
## Intercom Calling

Allows you to make a call to another extension.

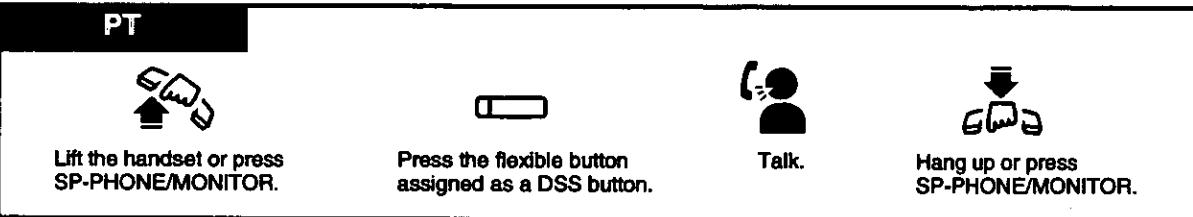
### Using the handset



### Using the Speakerphone



### Using a DSS (Direct Station Selection) button



### Conditions

- After dialing an extension number, you will hear one of the following tones.
  - Ringback tone:** Indicates the destination extension is being called.
  - Confirmation tone:** Indicates you can perform voice calling (e.g. Paging).
  - Busy tone:** Indicates the destination extension is busy.
  - Do Not Disturb (DND) tone:** Indicates the destination extension has set the "Do Not Disturb (DND)" feature.

**PT**

- An extension number and a name, if programmed, are shown on a display PT during an intercom call.

**PT**

- You can assign a DSS button on a flexible button through Station Programming. The stored number can be displayed by pressing the desired DSS button while on-hook.

### Programming References

- Station Programming (Section 2)
  - Flexible Button Assignment — Direct Station Selection (DSS) Button
- System Programming — Installation Manual
  - [009] Extension Number Assignment
  - [604] Extension Name Setting

## Lockout

If one party in a conversation goes on-hook, both parties will be disconnected from the speech path automatically. A reorder tone is sent to the off-hook party before it is disconnected. No operation is necessary.

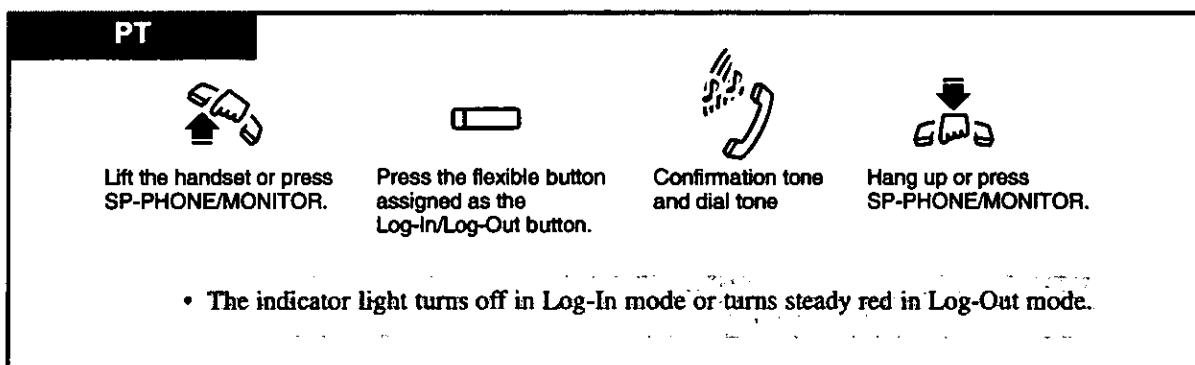
## Log-In/Log-Out

Allows you to assign the Log-In mode or Log-Out mode within a hunting or ring group. When in the Log-Out mode, you can leave the group temporarily, preventing hunting calls from being sent to your extension. The lighting patterns of the Log-In/Log-Out button on a proprietary telephone and status are as follows.

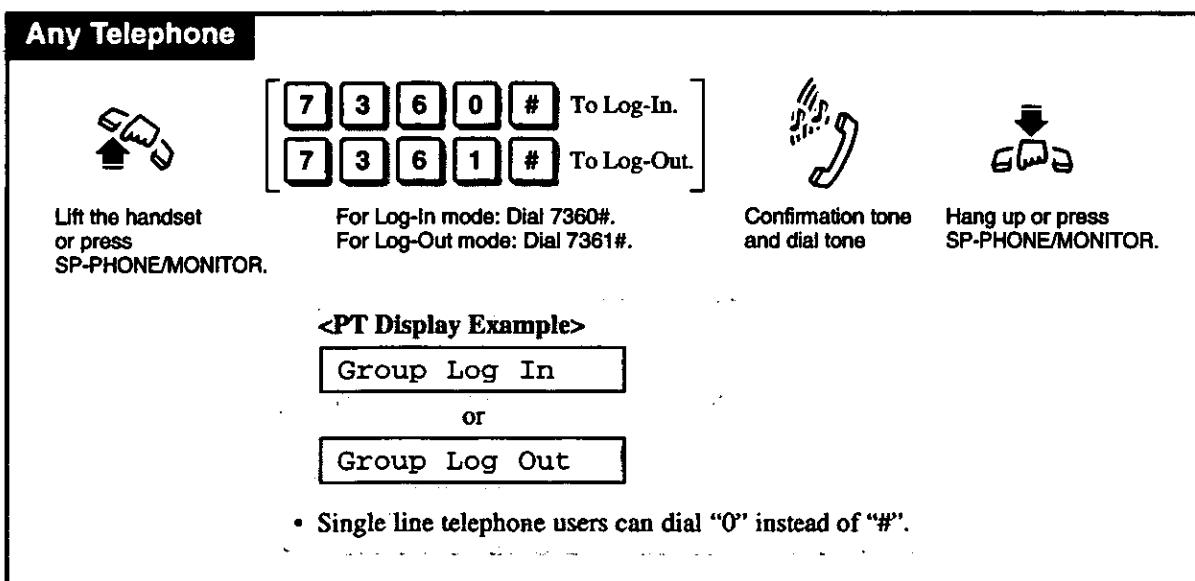
Off: Log-In mode

Red: Log-Out mode

### Log-In / Log-Out (Using the Log-In/Log-Out button)



### Log-In / Log-Out (Using the feature number)



### Conditions

- The default is "Log-In" mode.
- There should be at least one extension that is in Log-In mode.
- PT** • The Log-In/Log-Out button can be assigned to a flexible CO button.

### Programming References

- Station Programming (Section 2)  
Flexible Button Assignment — Log-In/Log-Out Button
- System Programming — Installation Manual
  - [100] Hunting Group Set
  - [600] Extension Group Assignment

### Feature Reference

Station Hunting (→ See the Installation Manual.)

## 3.2 Telephone Features

**M**

### Message Waiting

When the called extension is busy or does not answer your call, you can leave a notification so that the called party may call you back.

As a message receiver, the MESSAGE button light lets you know that a call has been received. If you receive notification, you can call back the original party by a simple operation. This operation is available only for proprietary telephones with MESSAGE buttons.

#### Setting

**Any Telephone**

Lift the handset or press SP-PHONE/MONITOR.

Dial 701.

Enter the extension number (100 through 199) where the calls will be left.

Dial #.

Confirmation tone and dial tone

Hang up or press SP-PHONE/MONITOR.

• Single line telephone users can dial "0" instead of "#".

**PT**

*If the called extension is busy or does not answer*

Press MESSAGE.

Confirmation tone and dial tone

Hang up or press SP-PHONE/MONITOR.

#### Cancelling

**Any Telephone**

Lift the handset or press SP-PHONE/MONITOR.

Dial 702.

Enter the extension number (100 through 199) where you left a message.

Dial #.

Confirmation tone and dial tone

Hang up or press SP-PHONE/MONITOR.

• Single line telephone users can dial "0" instead of "#".

#### Cancelling using the MESSAGE button

**PT**

Lift the handset or press SP-PHONE/MONITOR.

Enter the extension number (100 through 199) where you left a message.

Press MESSAGE twice.

Confirmation tone and dial tone

Hang up or press SP-PHONE/MONITOR.

***Checking and Selecting a message notification by the message receiver***

*If there is a message, the message waiting lamp (MESSAGE indicator) light will be on.*

**PT**

*When the telephone is idle and on-hook*

MESSAGE

Press MESSAGE repeatedly until the desired message appears.

- The stored messages are shown on the display in the order they were received.
- When Tony at extension 123 left a message:

<PT Display Example>

123 : Tony

***Calling back the message notification sender***

**PT**

Lift the handset or press SP-PHONE/MONITOR.

MESSAGE

Talk.

- If you have more than one message at your extension, the line connects you to the selected message sender.
- The message is cleared after the conversation.

***Clearing all message notifications by the message receiver***

**PT**

Lift the handset or press SP-PHONE/MONITOR.

7 0 0

Dial 700.

#

Dial #.

Hang up or press SP-PHONE/MONITOR.

- All messages are cleared.

### Conditions

- PT** • Each extension can have a maximum of 8 simultaneous messages. If you try to set the ninth message, you will hear a reorder tone.
- PT** • If the MESSAGE indicator does not go out after calling the extension which left the message, another message is waiting.
- PT** • If multiple message notifications are left at your extension, call back is executed in the order received.
- PT** • If you select a specific message to call back, the other call backs will be executed in the order received, starting with the one selected.  
(ex.) 5 → 6 → 7 → 8 → 1 → 2 → 3 → 4

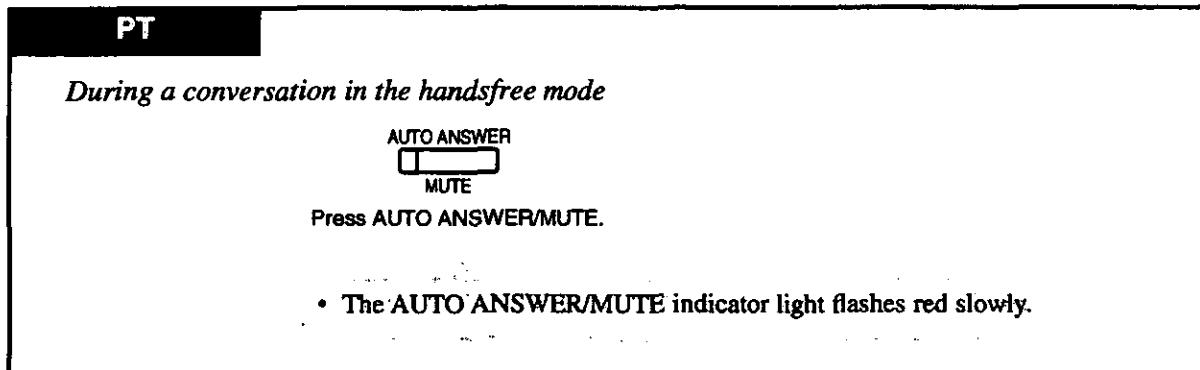
### Programming Reference

- Station Programming (Section 2)  
Flexible Button Assignment — Return to Message Waiting (MESSAGE) Button

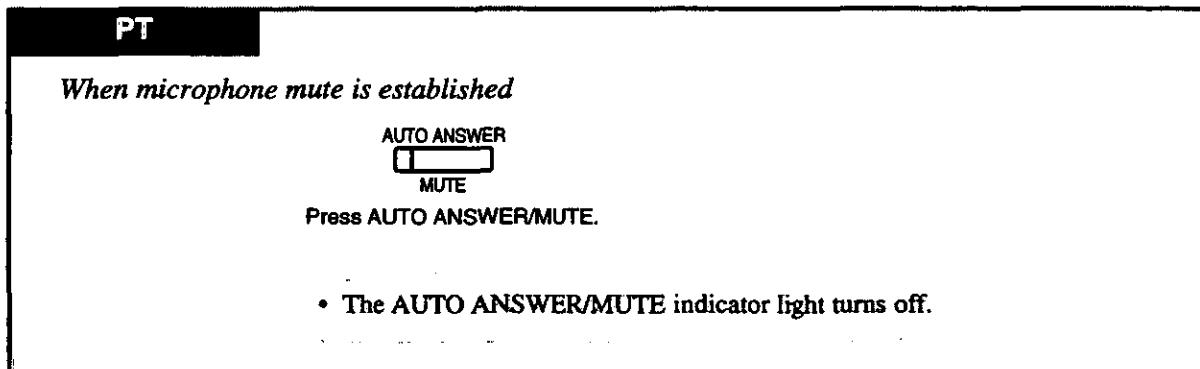
### ***Microphone Mute*** (— for KX-T7020/KX-T7030/KX-T7130 only)

Allows you to turn off the microphone so you can consult privately with others in the room. You will still be able to hear the other party.

#### ***Setting***



#### ***Cancelling***



#### ***Condition***

**PT** • This feature is only available during a handsfree conversation.

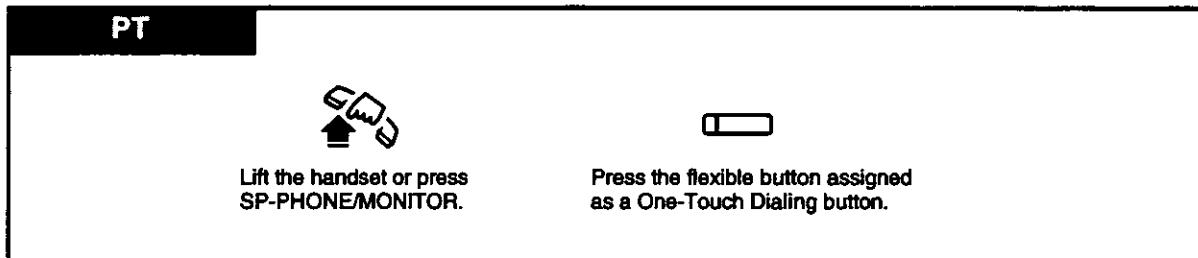
### ***Mixed Station Dialing***

Any telephone, either a KX-T7030/KX-T7020/KX-T7050/KX-T7055/KX-T7130, single line rotary phone (10 pps, 20 pps) or single line touch tone telephone, may be used as an extension for the system.

### One-Touch Dialing

Allows you to call a number or access a system feature with the touch of a button. This is done by storing an extension number, telephone number or feature number (up to sixteen digits) in a One-Touch Dialing button.

#### Dialing



#### Conditions

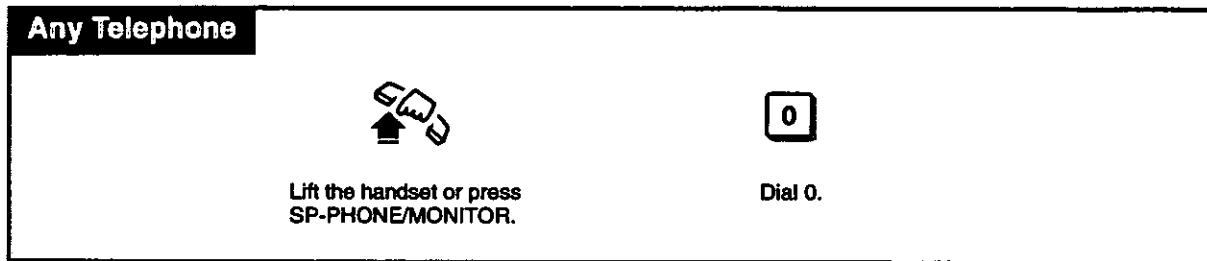
- PT • The destination numbers are stored through Station Programming.
- PT • You may press a CO button to select a desired outside (CO) line before pressing the One-Touch Dialing button.
- PT • "Speed Dialing", "One-Touch Dialing" and manual dialing can be used together.
- PT • You can store a number consisting of seventeen digits or more by dividing and storing it into two One-Touch Dialing buttons.
- PT • The telephone number dialed will be displayed on the LCD. Use the FWD/DND (→) or CONF (←) button to scroll the display to either side.
- PT • A pause is automatically entered after the stored line access code, 9 or 81 through 86, when dialing.
- PT • To confirm the current status of the button, press the button while on-hook.

#### Programming Reference

- Station Programming (Section 2)  
Flexible Button Assignment — One Touch Dialing Button

### ***Operator Call***

Allows you to call an operator within the system. One extension can be assigned as an operator.



### ***Condition***

- If an operator is not assigned, this feature is not available and you will hear a reorder tone.

### ***Programming Reference***

- System Programming — Installation Manual  
[008] Operator Assignment

## 3.2 Telephone Features

O

### Outward Dialing, Line Access — SUMMARY

An outside (CO) line can be accessed in the following ways.

Line Access, Automatic	Dial the feature number (9).
Line Access, Individual	Press a Single-CO (S-CO) button.
Line Access, Outside (CO) Line Group	Dial the feature number (8) and an outside (CO) line group number (1-6). or Press a Group-CO (G-CO) button

#### Conditions

- After dialing the feature number or pressing the CO button, you will hear one of the following tones.

**Dial tone:** Indicates an idle outside (CO) line is accessed.

**CO x** — is shown on a PT display. (x: outside (CO) line number)

**Busy tone:** Indicates the selected outside (CO) line is busy.

**CO in Use** — is shown on a PT display.

**Reorder tone:**

- Indicates the outside (CO) line you have attempted to access is not assigned.

**CO Not Assigned** — is shown on a PT display.

- Indicates access to outside (CO) lines is denied.

**Restricted** — is shown on a PT display.

- Restricted** may be displayed on a PT display and a reorder tone may sound due to the following.

- The extension has been locked by the owner (Electronic Station Lockout) or the operator/manager (Remote Station Lock Control).
- The extension is restricted by the account code mode, "Verified - All" or "Verified - Toll".
- The extension is restricted from making toll calls (Toll Restriction).

**PT** • The CO button assignment on your telephone can be re-arranged as required. Refer to the "Flexible Button Assignment" in Station Programming (Section 2).

**PT** • An outside (CO) line which is not assigned to a CO button cannot be dialed.

### Programming References

- Station Programming (Section 2)  
Flexible Button Assignment — Group-CO (G-CO) Button,  
Single-CO (S-CO) Button
- System Programming — Installation Manual
  - [400] Outside (CO) Line Connection Assignment
  - [404] Outside (CO) Line Group Assignment
  - [405]—[407] Flexible Outward Dialing Assignment — Day/Night/Lunch
  - [419] Automatic Designated Outside (CO) Line Access

### Feature References

Account Code Entry

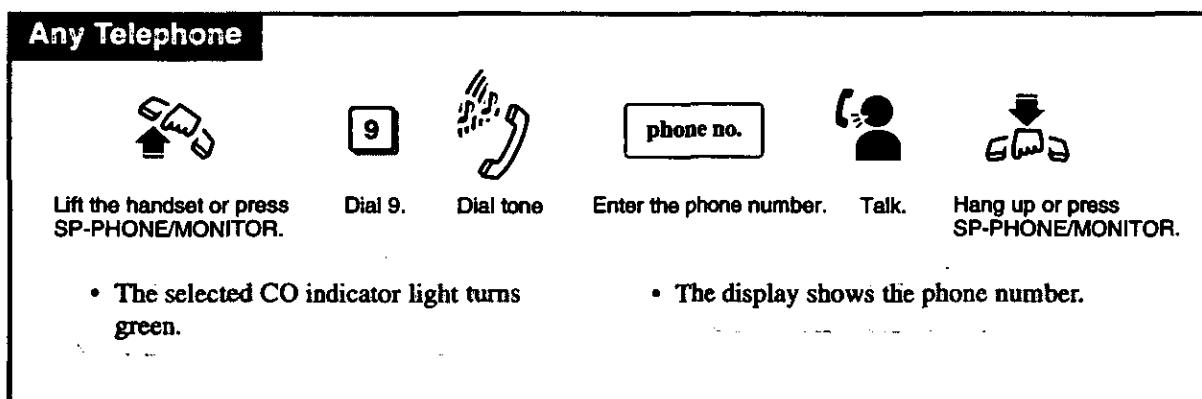
Electronic Station Lockout

Remote Station Lock Control (3.3 Operator/Manager Service Features)

Toll Restriction (→ See the Installation Manual.)

### Line Access, Automatic

Allows you to select an available outside (CO) line automatically.

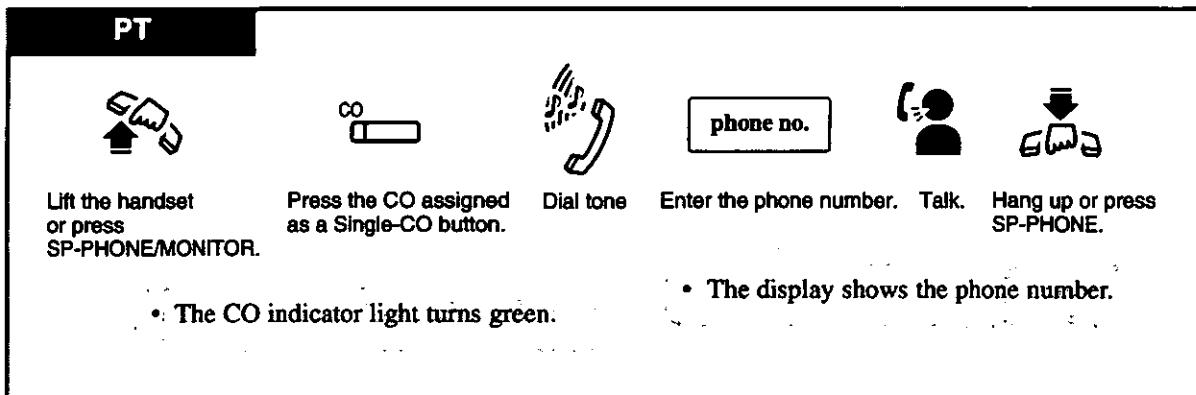


## 3.2 Telephone Features

O

### Line Access, Individual

Allows you to select the desired outside (CO) line without dialing the line access code.

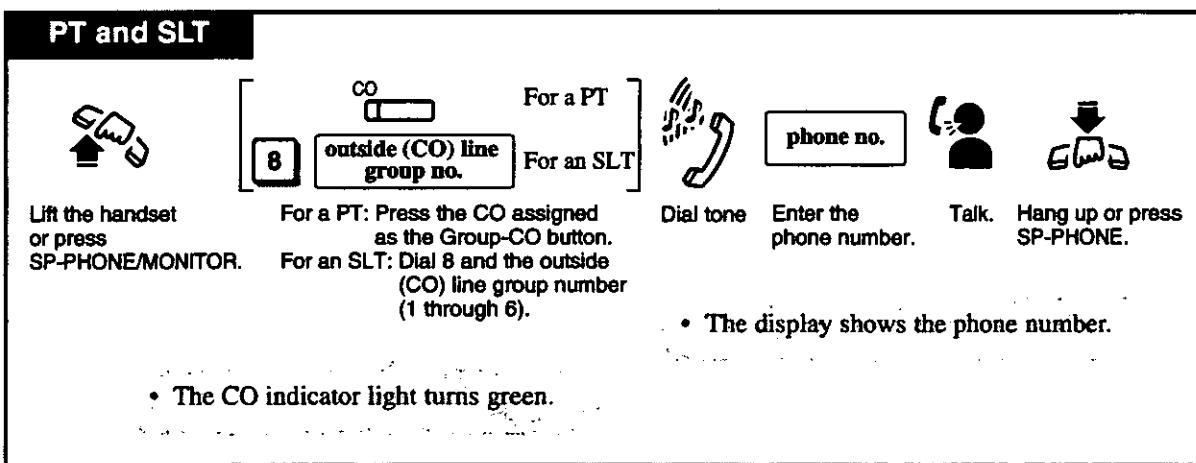


#### Condition

**PT** • You may skip off-hook and press the Single-CO (S-CO) button directly.

### Line Access, Outside (CO) Line Group

Allows you to select an idle line within a designated outside (CO) line group. Through programming, outside (CO) lines can be divided into six line groups.



#### Condition

**PT** • You may press the Group-CO (G-CO) button directly instead of going off-hook and dialing 8 and the outside (CO) line group number.

## Paging — SUMMARY

Allows you to make a voice announcement to several people at the same time. Your message is announced over the built-in speakers of proprietary telephones (PT) and/or an external speaker. The paged person can answer your page from a nearby telephone. You cannot be paged at a single line telephone, but you can answer a page, which is announced over nearby PTs or an external pager, from your single line telephone. There are three types of paging as shown below. You can select the appropriate type according to your needs.

Type	Description
Paging — All	Paging through both the built-in speakers and an external pager.
Paging — External	Paging to an external pager.
Paging — Group	Paging to all groups (all extensions) simultaneously.
	Paging to a particular group of extensions using the built-in speakers.

### Conditions

- To answer the page, refer to "Paging — ANSWER".
- The paged extension users hear a confirmation tone before the voice announcement.
- A confirmation tone is sent to the external pager (External Pager Confirmation Tone) before the voice announcement. The tone can be disabled.
- You can hear a confirmation tone before making the voice announcement.
- More than one person cannot use the paging feature at the same time.
- You cannot page extensions which have set the DND or Paging-DENY feature, or which are in use.

### Programming References

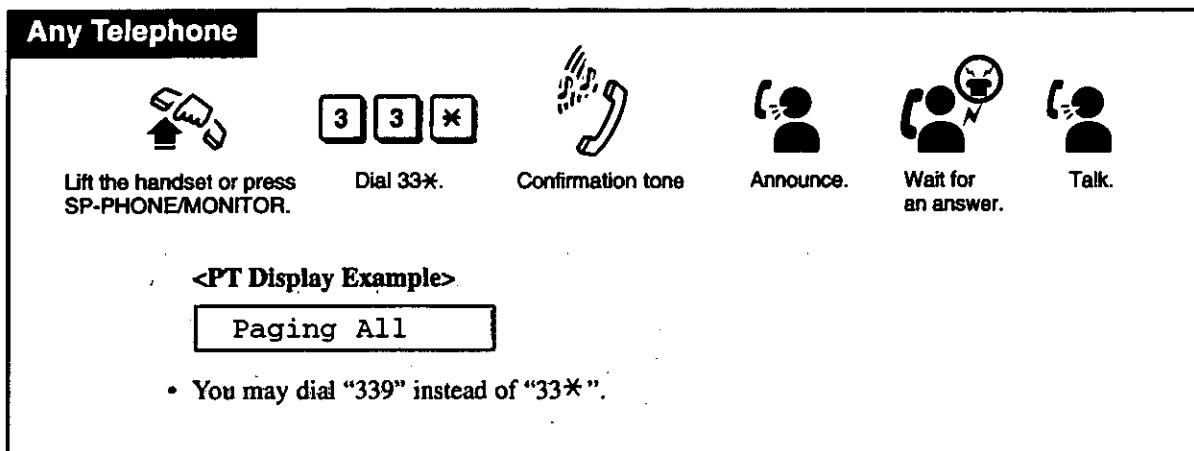
- System Programming — Installation Manual
  - [106] External Paging Access Tone
  - [600] Extension Group Assignment — (Used for "Paging — Group" only.)

### Feature References

- Do Not Disturb (DND)
- Paging — ANSWER
- Paging — DENY

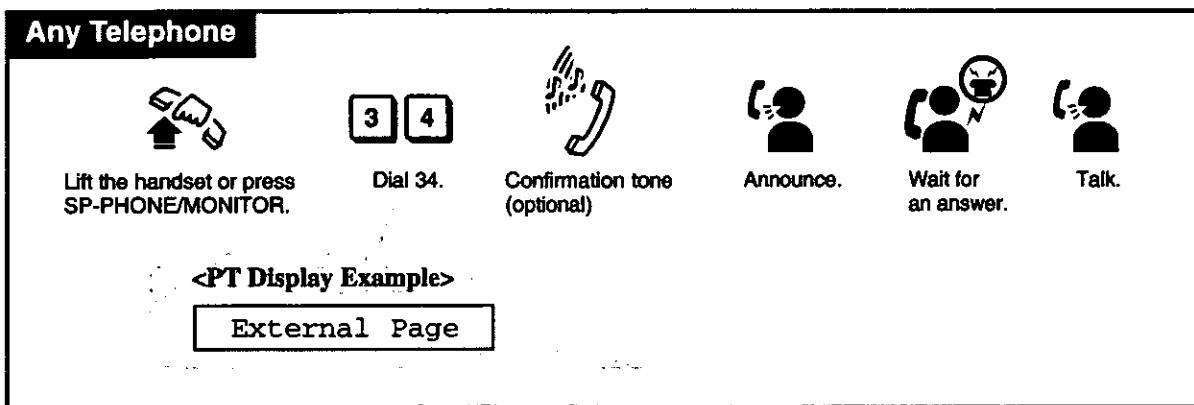
## *Paging — All*

Allows you to make a voice announcement to all extensions. Your message is announced over the built-in speakers of proprietary telephones (PT) and the external pager.



## *Paging — External*

Allows you to make a voice announcement over the external pager.



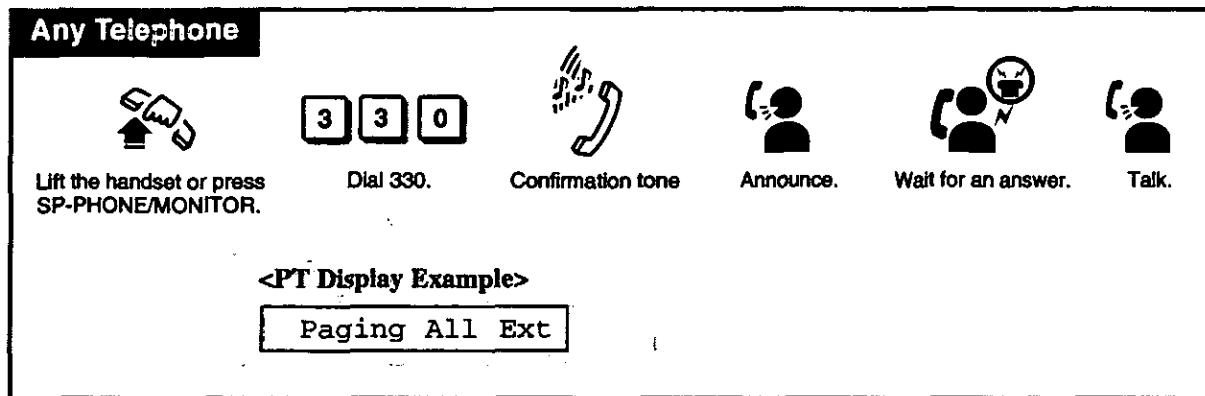
### *Conditions*

- If the pager is in use, a busy tone will be heard.
- When the program [106] is set to "DISABLE", the confirmation tone is not sent to the external pager.

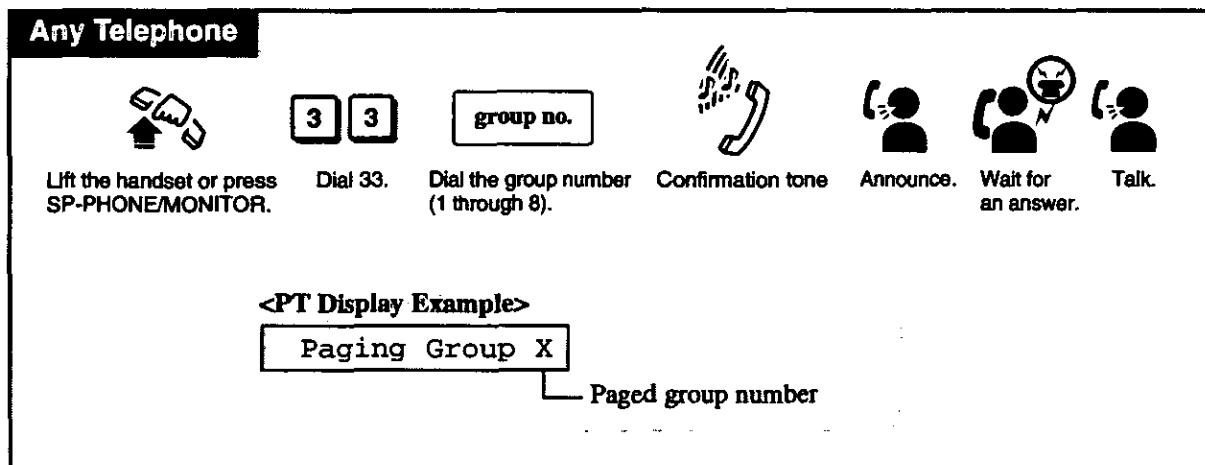
## *Paging — Group*

Allows you to select an extension group and make a voice announcement. You can select all extension groups simultaneously. The announcement can only be heard through the extensions' built-in speakers.

### *To access all groups simultaneously*



### *To access a particular group of extensions*

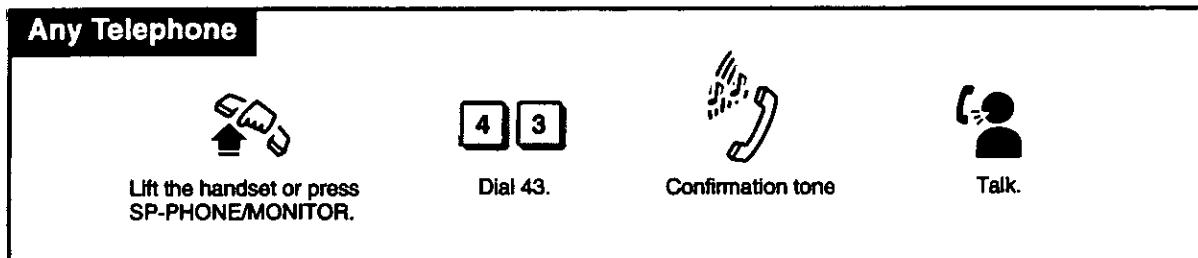


### *Condition*

- There is a maximum of eight extension groups.

**Paging — ANSWER**

Allows you to answer an announced page at any extension within the system.

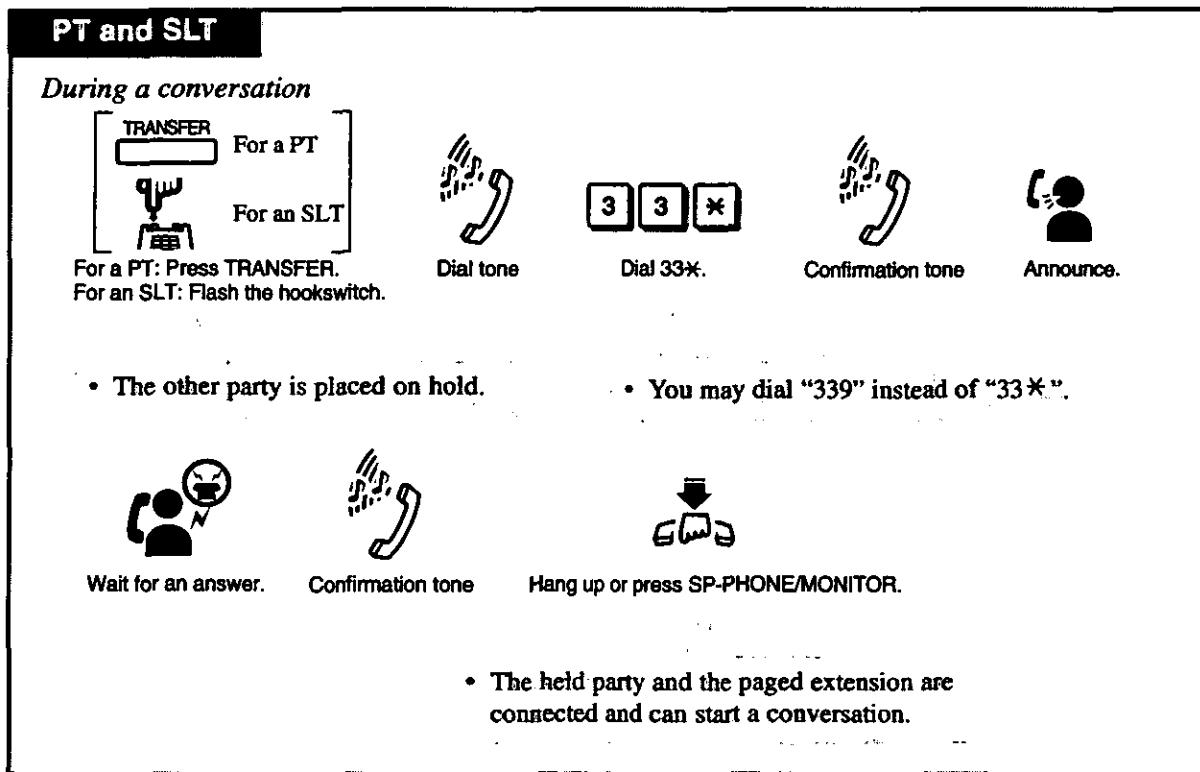
**Conditions**

- You can hear a confirmation tone when the page is answered.
- **PT** If an outside call has been paged and transferred, you can answer the call by pressing the corresponding CO button whose indicator is flashing slowly.

### Paging and Transfer

You can transfer a call using the paging feature (Paging — All, Paging — External, or Paging — Group).

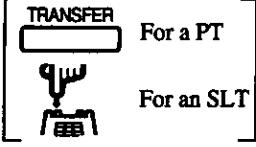
#### Using Paging — All



### Using Paging — External: to an external pager

**PT and SLT**

*During a conversation*



For a PT: Press TRANSFER.  
For an SLT: Flash the hookswitch.






Dial tone      Dial 34.      Confirmation tone      Announce.

- The other party is placed on hold.





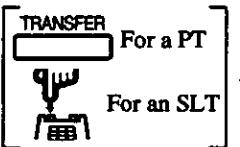
Wait for an answer.      Confirmation tone      Hang up or press SP-PHONE/MONITOR.

- The held party and paged extension are connected and can start a conversation.

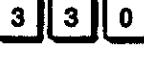
### Using Paging — Group: to all extension groups

**PT and SLT**

*During a conversation:*



For a PT: Press TRANSFER.  
For an SLT: Flash the hookswitch.






Dial tone      Dial 330.      Confirmation tone      Announce.      Wait for an answer.      Confirmation tone      Hang up or press SP-PHONE.

- The other party is placed on hold.
- The held party and the paged extension are connected and can start a conversation.

### Using Paging — Group: to a particular extension group

**PT and SLT**

*During a conversation*

For a PT: Press TRANSFER.  
For an SLT: Flash the hookswitch.

Dial tone

Dial 33.

Enter a paging group number (1 through 8).

Confirmation tone

- The other party is placed on hold.

Announce.

Wait for an answer.

Confirmation tone

Hang up or press SP-PHONE.

- The held party and the paged extension are connected and can start a conversation.

### Condition

**SLT** • If "Hold-3" is assigned in System Programming, you must dial "20" after flashing the hookswitch.

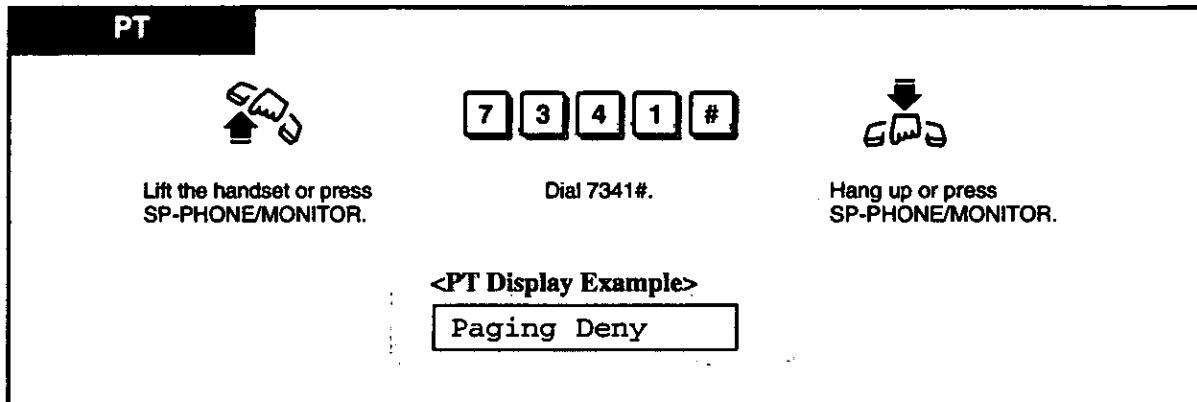
### Programming References

- System Programming — Installation Manual
  - [104] Hold Mode Selection
  - [600] Extension Group Assignment

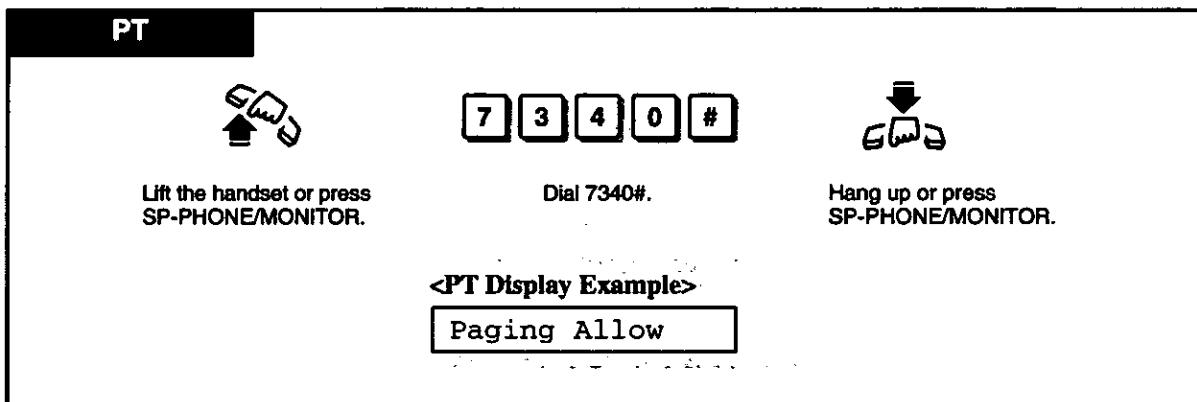
### Paging — DENY

A page sent to a built-in speaker can be denied by any extension in the system.

#### Setting



#### Cancelling



### *Paralleled Telephone Connection*

Any extension can be connected in parallel with a proprietary telephone and a single line telephone. In the event of a power failure, CO1 and CO4 can be accessed using the single line telephones that are connected in parallel with the proprietary telephones to jack numbers 01 and 09 respectively. If the extension receives a call, ringing will be heard from the proprietary telephone and the single line telephone. You can answer the call by using either the proprietary telephone or the single line telephone. An answering machine, facsimile, MODEM (personal computer), etc., can be connected instead of a single line telephone.

System Programming is required to enable this feature.

#### *Conditions*

- PT** • A proprietary telephone LCD will show you a single line telephone is in use.
- SLT** • The following features will not work with a single line telephone connected in parallel with a proprietary telephone.
  - Account code input
  - Call Splitting
  - Conference
  - External Feature Access
  - Pickup dialing
- SLT** • A single line telephone connected in parallel with a proprietary telephone cannot make a call in the following cases.
  - The proprietary telephone is set to the BGM mode.
  - The proprietary telephone is receiving a page through the built-in speaker.
  - The proprietary telephone is set to the PROGRAM mode.
- SLT** • A single line telephone connected in parallel with a proprietary telephone will not ring in the following cases.
  - The proprietary telephone is set to Handsfree Answerback.
  - The proprietary telephone is set to "Voice Call" in the Intercom Alert Assignment.

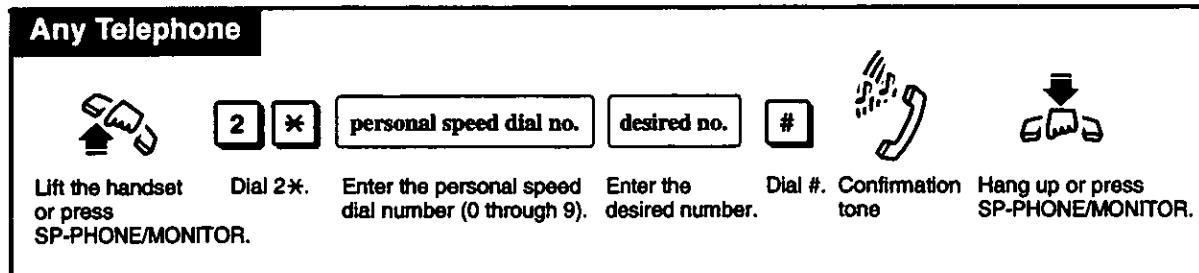
#### *Programming Reference*

- System Programming — Installation Manual  
[610] Paralleled Telephone Connection

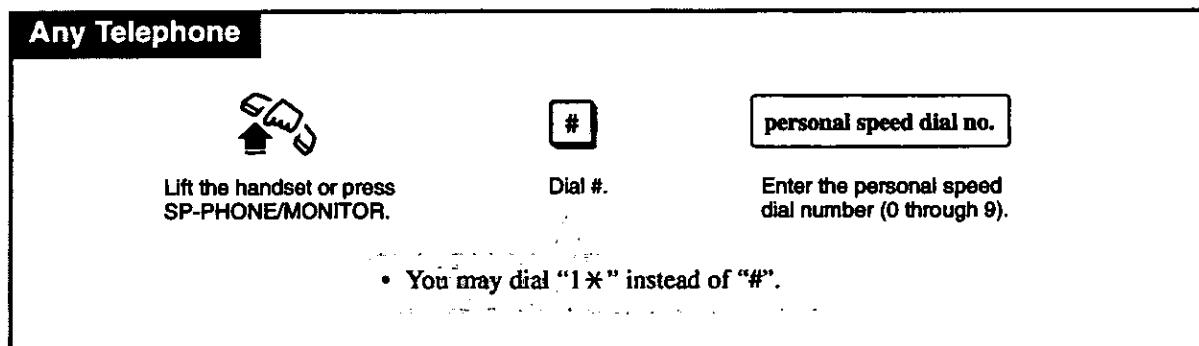
### Personal Speed Dialing

Allows you to store up to ten speed dial numbers at your extension. These numbers are available for your extension only.

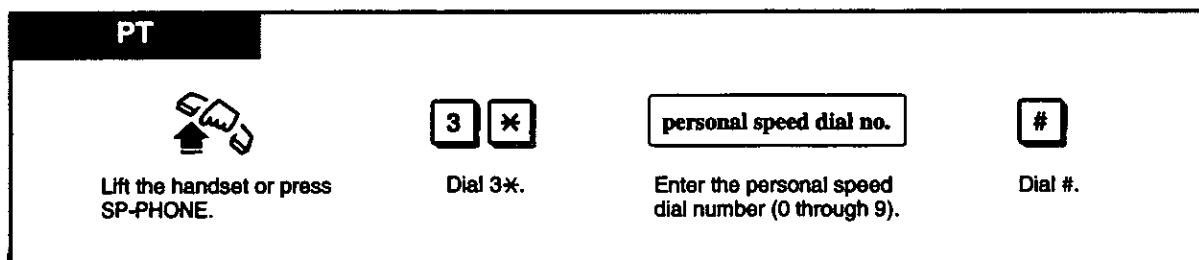
#### *Storing a phone number*



#### *Dialing*



#### *Checking the stored personal speed dialing numbers (with a display PT only)*



### *Conditions*

- An account code must be stored by pressing “\* \*” and entering the account code after the line access code in the account code verify-all, verify-toll and forced modes.
- You can store an extension number, telephone number, or feature number of up to sixteen digits. Valid digits are “0 through 9”.
- A pause can be stored by pressing the \* key. However, in the account code verify-all, verify-toll and forced modes, “\*” is not regarded as a pause.
- To store the telephone number of an external party, a line access code (9 or 81 through 86) must be stored as the first digit.

**PT**

- The number of Personal Speed Dialing numbers corresponds to the number of PF buttons assigned as One-Touch Dialing. (PF buttons are on a proprietary telephone.) You cannot assign both the One-Touch Dialing and Personal Speed Dialing features to the same number. For example, if you assign One-Touch Dialing to the PF 1 button and then Personal Speed Dialing 0, only the Personal Speed Dialing 0 feature will be assigned.

**SLT**

- A rotary telephone cannot use this feature.

### *Programming Reference*

- Station Programming (Section 2)  
Flexible Button Assignment — One-Touch Dialing Button

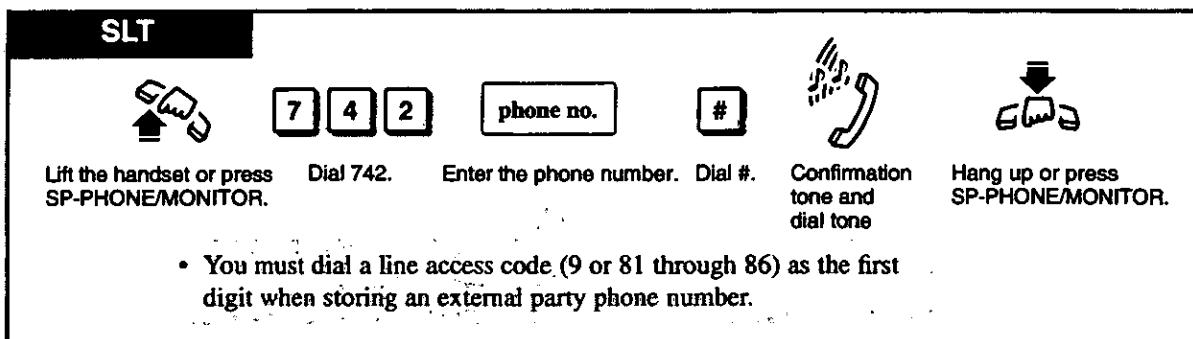
## 3.2 Telephone Features

P

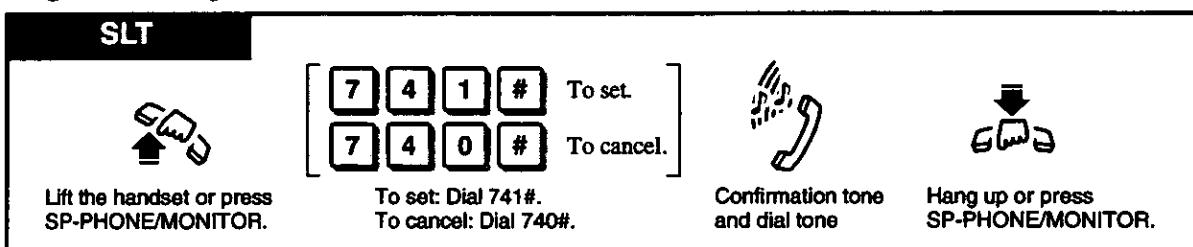
### Pickup Dialing (Hot Line) (— Single Line Telephone only)

Allows you to make an outgoing call by just going off-hook.

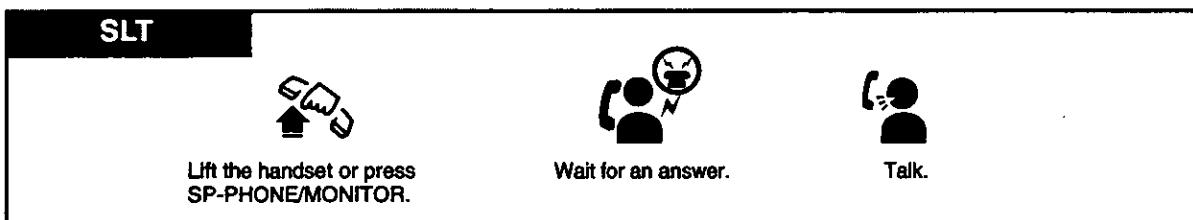
#### Storing a phone number



#### Setting / Canceling



#### Dialing



#### Conditions

- This feature will not work if you answer an incoming call or retrieve a call on hold.
- Up to thirty-two digits, consisting of "0 through 9" and "\*", can be stored. The "\*" button is used as a PAUSE. However, in the account code verify-all, verify-toll and forced modes, "\*" is not regarded as a pause.
- An account code must be stored by pressing "\*" and entering the account code after the line access code in the account code verify-all, verify-toll and forced modes.
- During the waiting time after going off-hook, you can call another party and override this feature. You can change the waiting time between going off-hook and connecting with a called line by System Programming.
- A rotary telephone cannot use this feature.

#### Programming Reference

- System Programming — Installation Manual  
[203] Pickup Dial Delay Time

### ***Power Failure Transfer***

During a power failure, each outside (CO) line will be connected to an assigned extension.

- Outside (CO) line 1: jack number 01
- Outside (CO) line 4: jack number 09

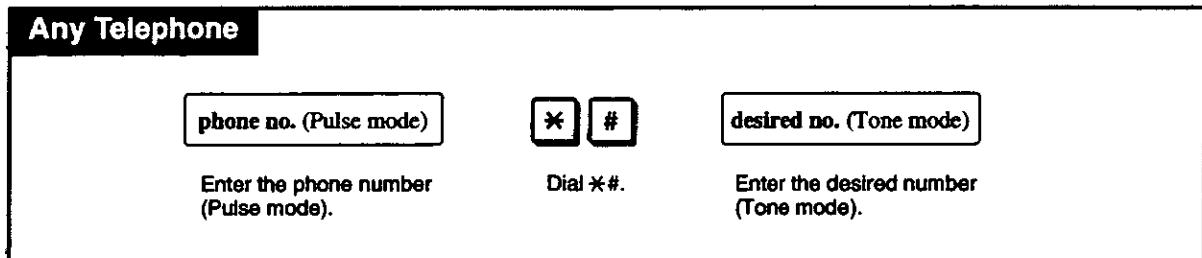
#### ***Conditions***

- During a power failure, all features cannot be used except for incoming and outgoing outside calls from jack numbers 01 and 09.
- If jack numbers 01 and 09 are connected to proprietary telephones, disconnect the units and connect single line telephones.

## 3.2 Telephone Features

### Pulse to Tone Conversion

Allows you to change the dialing mode from Pulse to Tone to access services, such as computer telephone services and Voice Mail which require tones.

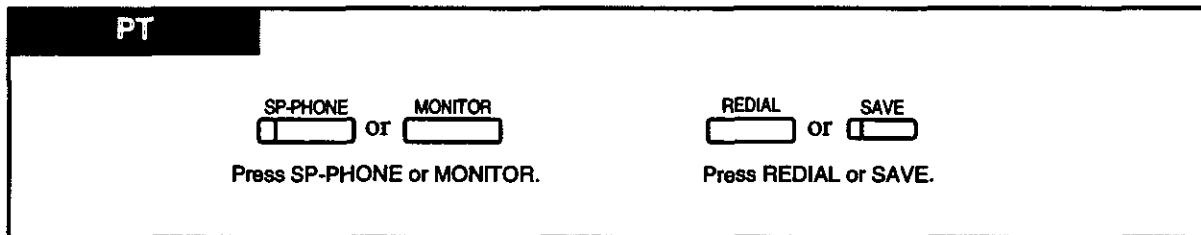


#### Condition

- You cannot change from Tone to Pulse dialing mode.

### *Redial, Automatic*

PT users can redial the last number dialed and saved number automatically by going off-hook with the SP-PHONE/MONITOR button and pressing the corresponding button directly. Redial will be automatically repeated the pre-programmed number of times until the called party answers.



#### *Conditions*

- PT** • The redialing default setting is fifteen redials at forty second intervals. The number of times can be changed (0, 3, 10 or 15) by System Programming.
- PT** • If another operation is performed during automatic redial, this feature will be canceled.
- PT** • To cancel automatic redial, press the FLASH button.
- PT** • This feature is not available for a KX-T7055.
- PT** • A flexible button can be assigned as the SAVE button.

#### *Programming References*

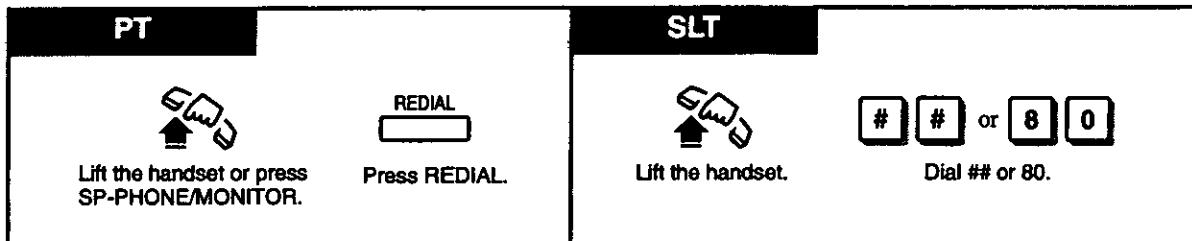
- System Programming — Installation Manual
  - [113] Automatic Redial Repeat
  - [114] Automatic Redial Interval Time

#### *Feature References*

- Redial, Last Number
- Redial, Saved Number

### Redial, Last Number

Automatically saves the last outside phone number dialed so that you can make a call to the same party later using a simple operation.



#### Conditions

- Up to thirty-two digits can be stored and redialed. This does not include an outside (CO) line access code.
- If you hear a busy tone when attempting to redial, select another line and press the REDIAL button or feature number.
- The stored number will be replaced even if only one digit is dialed the next time an outside call is made. Dialing an outside (CO) line access code will not affect the stored number.

**PT** • “\*”, “#”, “PAUSE”, and “INTERCOM” (for secret dialing) are counted as one digit.

**PT** • While calling or during a conversation, pressing the REDIAL button will disconnect the current call and redial the stored number in 3 seconds.

**PT** • You can check the stored number. Press the REDIAL button while on-hook, and the stored number will be displayed.

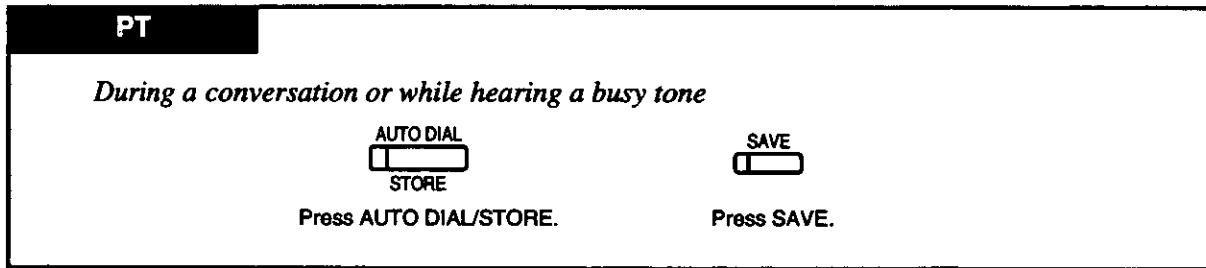
#### Feature Reference

Redial, Automatic

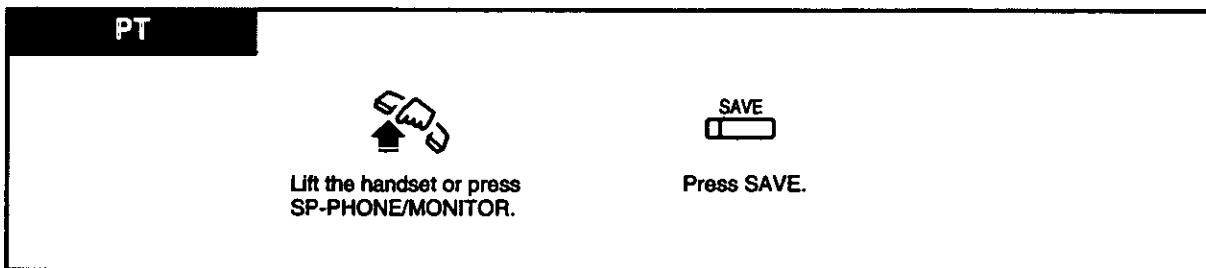
## Redial, Saved Number

Allows you to save the current external telephone number during a conversation, so that you can redial the same party later using a simple operation. The saved number can be redialed until another number is stored.

### Storing



### Dialing



### Conditions

- PT** • Up to thirty-two digits can be stored and redialed. This does not include an outside (CO) line access code.
- PT** • “\*”, “#”, “PAUSE”, and “INTERCOM” (for secret dialing) are counted as one digit.
- PT** • A flexible button can be assigned as the SAVE button.
- PT** • You can check the stored number. Press the SAVE button while on-hook, and the stored number will be displayed.
- PT** • You can change the outside (CO) line when dialing. You may press a CO button to select an outside (CO) line directly after going off-hook before pressing the SAVE button.

### Programming Reference

- Station Programming (Section 2)  
Flexible Button Assignment — SAVE Button

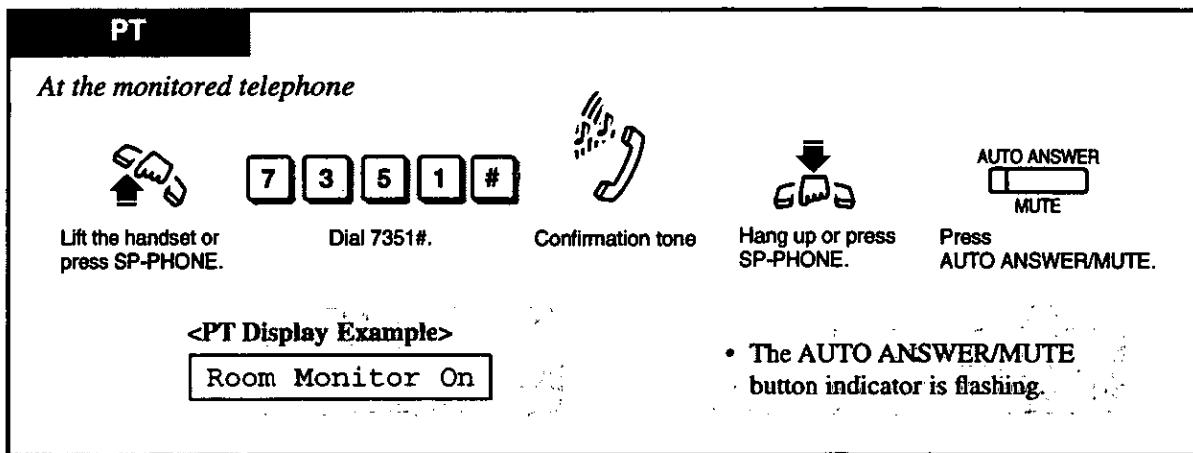
### Feature Reference

Redial, Automatic

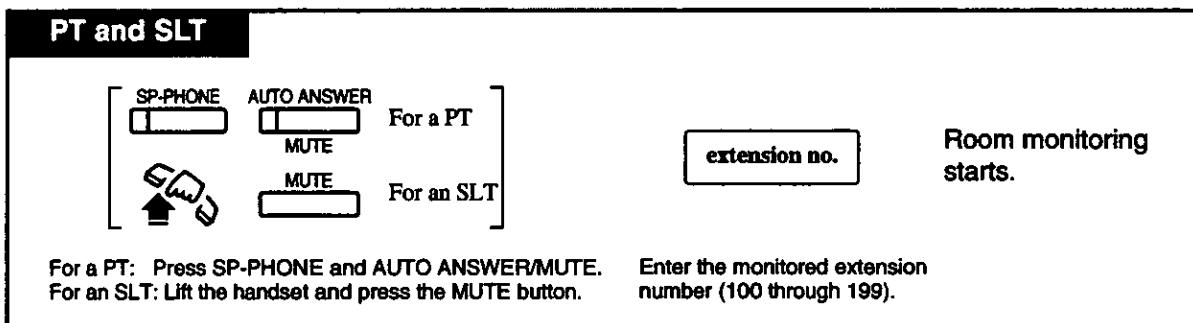
### Room Monitor

Allows you to monitor a room through a proprietary telephone with an AUTO ANSWER/MUTE button. The proprietary telephone you want to monitor should be prepared for monitoring beforehand. You can also monitor through a doorphone. You can use a proprietary telephone with an AUTO ANSWER/MUTE button and single line telephone with a MUTE button for monitoring.

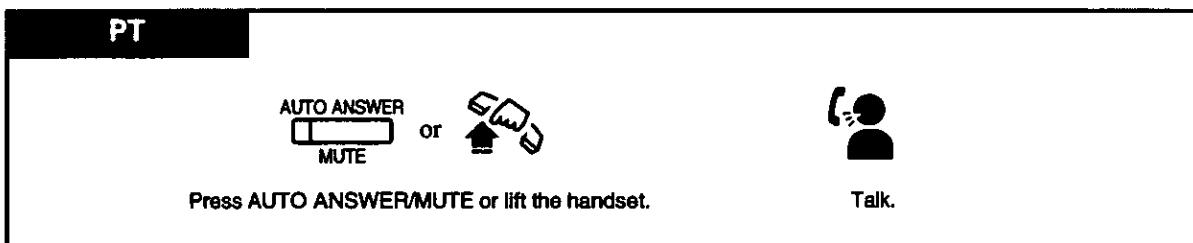
#### Setting a monitored PT



#### Monitoring



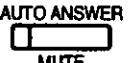
#### Paging a monitored room



**Canceling a monitor temporarily**

**PT**

*At the monitored telephone*

  
MUTE

Press AUTO ANSWER/MUTE.

- The AUTO ANSWER/MUTE button indicator turns off.

**Canceling**

**PT**

*At the monitored telephone*

 Lift the handset or press SP-PHONE.

 Dial 7350#.

 Confirmation tone

 Hang up or press SP-PHONE.

**<PT Display Example>**

Room Monitor Off

**Monitoring through a doorphone**

**PT and SLT**



For a PT: Press SP-PHONE and AUTO ANSWER/MUTE.  
For an SLT: Lift the handset and press the MUTE button.

For a PT: For an SLT

 doorphone no.

Monitoring starts.

For a PT: Press SP-PHONE and AUTO ANSWER/MUTE.  
For an SLT: Lift the handset and press the MUTE button.

Dial 31. Enter the monitored doorphone number (1 through 4).

**Conditions**

- The doorphone access tone can be disabled by System Programming.
- PT** • The access tone will not be sent to the monitored PT.  
The paging access tone will also not be sent to the monitored PT.
- PT** • System Programming is required to monitor through a PT.
- PT** • This feature is not available for the KX-T7050 and KX-T7055.

**Programming References**

- System Programming — Installation Manual  
[612] Room Monitor Assignment  
[707] Doorphone Access Tone Selection

## 3.2 Telephone Features

### Secret Dialing

Allows you to conceal all or part(s) of a "System Speed Dialing" or "One-Touch Dialing" number assigned to a flexible button which normally appears on the display.

**PT**

*When storing the phone number*

INTERCOM

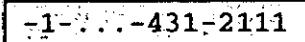


Press INTERCOM before and after the part you wish to conceal.

**<PT Display Example>**

9-1-[201]...	— "201" is not shown on the display when you dial.
--------------	--

### Conditions

- PT** • A secret code, "[" or "]" (pressing the INTERCOM button), are counted as one digit.
- PT** • You can conceal one or more parts of a telephone number.
- PT** • If the phone number "9-1-[201]-431-2111" has been stored, the display will show the following when the call is made.  

- PT** • You can program whether to print out the concealed number(s) on the SMDR or not by System Programming.
- PT** • Do not press the INTERCOM button before a line access number (9 or 81 through 86).

### Programming References

- Station Programming (Section 2)  
Flexible Button Assignment — One-Touch Dialing Button
- System Programming — Installation Manual  
[001] System Speed Dialing Entry  
[803] Secret Speed Dialing/One-Touch Dialing Printing

### Feature References

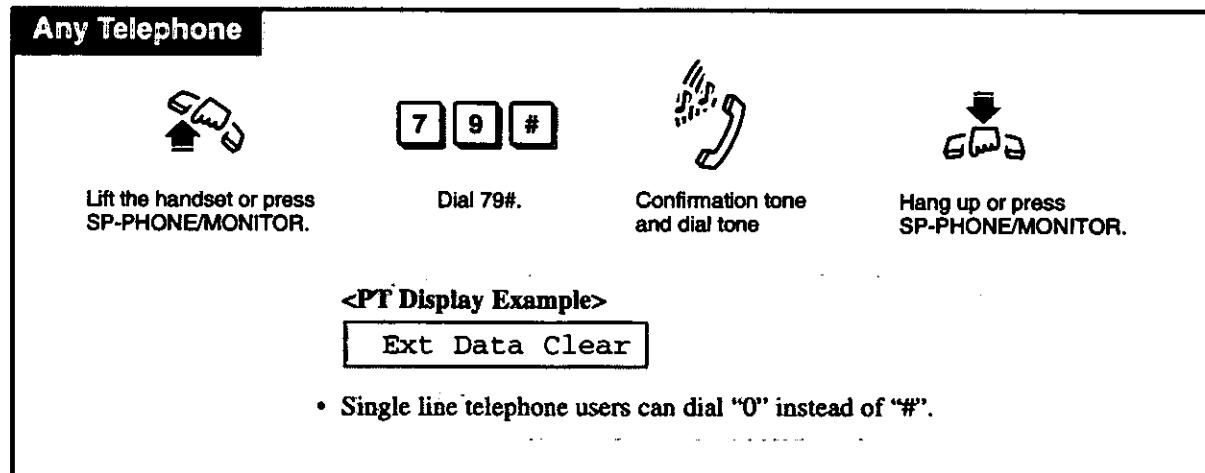
- One-Touch Dialing
- System Speed Dialing

## *Station Feature Clear*

Allows you to reset the following station features to the default settings.

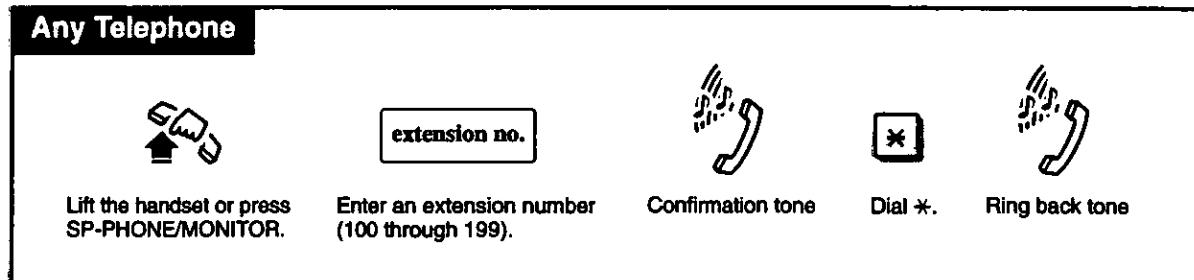
- a) Absent Message Capability
- b) Automatic Callback Busy (Camp-On)
- c) Background Music (BGM)
- d) Call Forwarding
- e) Call Log, Incoming
- f) Call Pickup Deny
- g) Call Waiting
- h) Data Line Security
- i) Do Not Disturb (DND)
- j) Executive Busy Override Deny
- k) Log-In/Log-Out
- l) Message Waiting – (All messages will be erased.)
- m) Pickup Dialing (Hot Line) – (The stored telephone number will be erased.)
- n) Paging-DENY
- o) Room Monitor
- p) Timed Reminder
- q) Voice Mail Integration

### *Clearing the current feature settings*



### Switching to Tone Alert

“Voice Call” (through the built-in speaker) which is set at the called party’s extension can be switched to “Tone Call” (ringing). This feature must be set beforehand at the called party’s extension by Station Programming.



#### Conditions

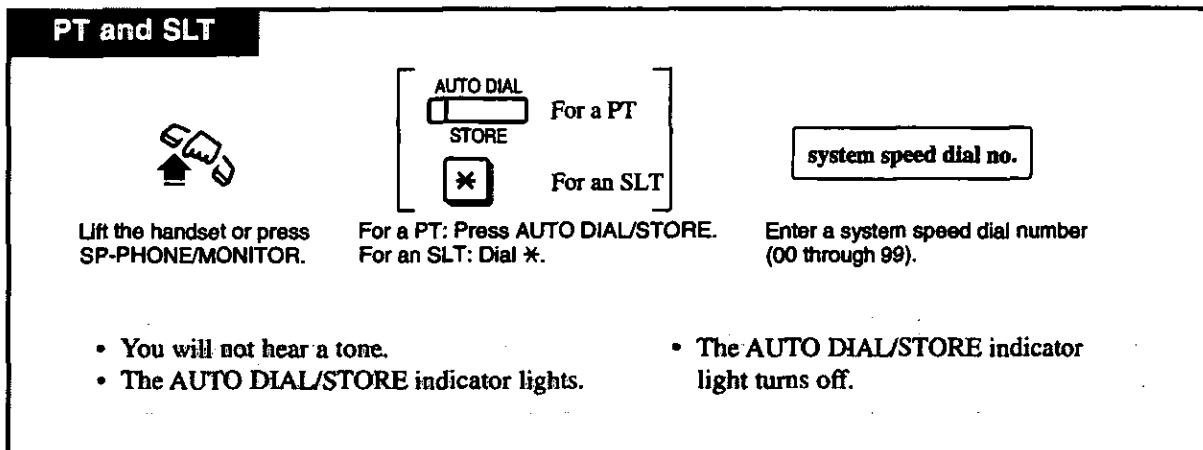
- This feature is not available for rotary telephones.
- Switching from “Tone Call” to “Voice Call” is not available.

#### Programming Reference

- Station Programming (Section 2)  
Intercom Alert Assignment

## System Speed Dialing

Allows you to make a call using pre-programmed speed dial numbers. This system supports *one hundred* speed dial numbers which are available to all extension users.



### Conditions

- System Speed Dial numbers must be stored by System Programming.
- "Speed Dialing", "One-Touch Dialing" and manual dialing can be used together.
- You may press a CO button or dial a line access code to select a desired outside (CO) line before pressing the AUTO DIAL/STORE button or dialing \*.
- It is possible to change toll restriction COS number with this feature (Toll Restriction for System Speed Dialing). In this case, System Programming is necessary.

**PT**

- A System Speed Dial number can be divided when stored.

**<Example>**

If the number is divided and stored in System Speed Dial numbers 01 and 02, press: [AUTO DIAL/STORE] [0] [1] [AUTO DIAL/STORE] [0] [2].

**PT**

- The dialed number appears on the display.

**PT**

- A rotary telephone cannot use this feature.

### Programming References

- System Programming — Installation Manual  
[001] System Speed Dialing Entry  
[301] Toll Restriction — System Speed Dialing Boundary Class

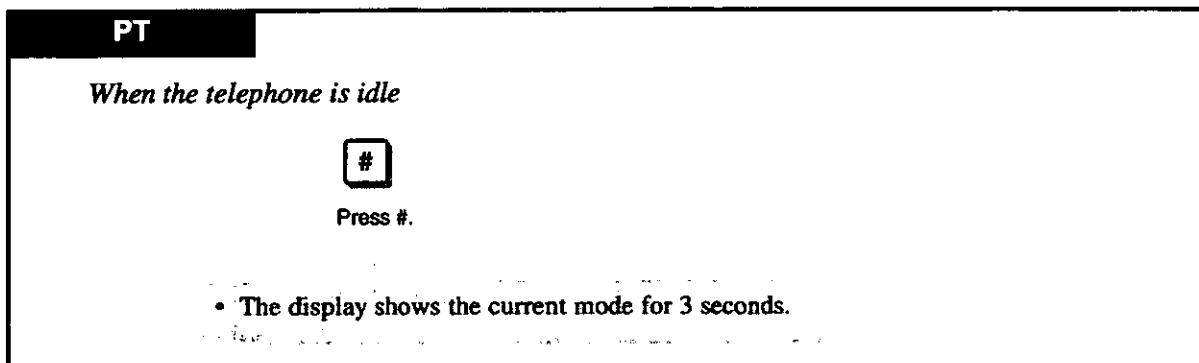
### Feature Reference

Toll Restriction for System Speed Dialing

## *Time (Day/Night/Lunch) Service*

This system supports the Day, Night and Lunch modes. The system operation for originating and receiving calls can be different in the day, night and lunch modes. "Time Service" can only be set by the operator and manager. For a PT user, even if your extension is not assigned as the operator or manager, you can use your display to check the current mode.

### *Confirming the current mode (with a display PT only)*



### *Condition*

- The Day/Night/Lunch mode is automatically switched at a predetermined time (default: 9:00 a.m. for every day, 5:00 p.m. for every night), if the automatic mode is selected.

### *Programming References*

- System Programming — Installation Manual
  - [006] Time (Day/Night/Lunch) Service Changing Mode
  - [007] Time (Day/Night/Lunch) Service Start Time

### *Feature References*

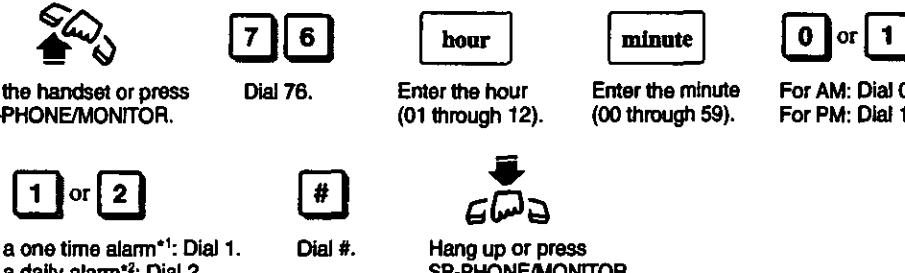
Time (Day/Night/Lunch) Service Setting (3.3 Operator/Manager Service Features)  
Time (Day/Night/Lunch) Service (→ See the Installation Manual.)

## Timed Reminder

You can receive a ringback at your telephone to remind you of a meeting or appointment. Either one time or daily (everyday until canceled) is available at a pre-set time.

### Setting

**Any Telephone**



Lift the handset or press SP-PHONE/MONITOR.      Dial 76.      Enter the hour (01 through 12).      Enter the minute (00 through 59).      For AM: Dial 0. For PM: Dial 1.

For a one time alarm<sup>\*1</sup>: Dial 1.      For a daily alarm<sup>\*2</sup>: Dial 2.      Dial #.      Hang up or press SP-PHONE/MONITOR.

- Single line telephone users can dial "0" instead of "#".

<sup>\*1</sup> An alarm will be heard at the preset time and then the setting is cleared.  
<sup>\*2</sup> An alarm will be heard daily at the preset time until the setting is changed or canceled.

### Cancelling

**Any Telephone**



Lift the handset or press SP-PHONE/MONITOR.      Dial 762#.      Confirmation tone and dial tone.      Hang up or press SP-PHONE/MONITOR.

**<PT Display Example>**

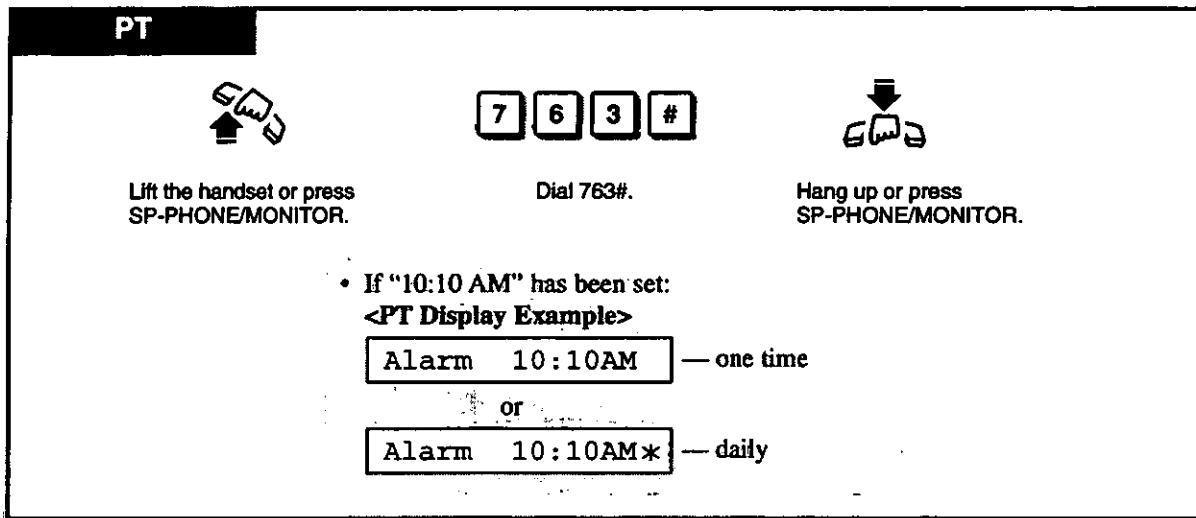
Alarm Cancel
--------------

- Single line telephone users can dial "0" instead of "#".

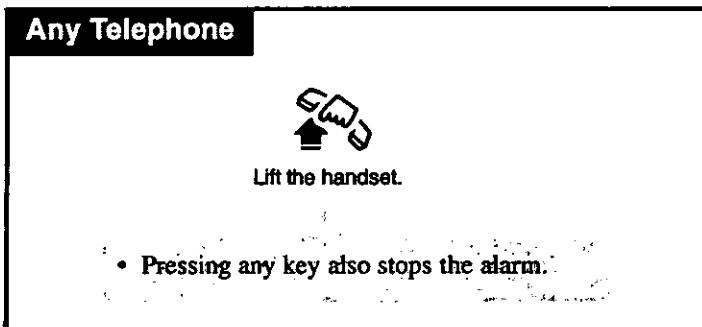
## 3.2 Telephone Features

T

### Checking the set time (with a display PT only)



### Stopping the alarm



### Conditions

- Be sure the system clock is set correctly.
- The alarm continues for thirty seconds.
- If you receive an incoming call during the alarm, ringing starts after the alarm stops.
- If the alarm is set to sound during a conversation, the alarm will start after the conversation.
- If the operator, manager or you set a new time, the preset time will be cleared.
- If an alarm time has not been set, the display will show the following.

PT

Alarm Not Stored

### Programming Reference

- System Programming — Installation Manual  
[000] Date and Time Setting

### Feature Reference

Timed Reminder, Remote (Wake-Up Call) (3.3 Operator/Manage Service Features)

## ***Toll Restriction Override***

There are three types of toll restriction override.

- **Toll Restriction Override by Extension Password**
- **Toll Restriction for System Speed Dialing**
- **Toll Restriction — Station Lock Boundary Class**

### ***Toll Restriction Override by Extension Password***

Allows you to temporarily override toll restriction and make a toll call from a toll-restricted telephone assigned to the verify-toll mode. You can carry out this feature by entering your extension password, instead of an account code, before dialing the telephone number. For the operation procedure, refer to "Account Code Entry".

#### ***Conditions***

- This feature changes the toll restriction COS number as follows.
  - When an extension password is entered, the COS number is changed to the one assigned at your extension.
- If you do not enter your extension password, or an invalid code is entered, standard toll restriction will be enabled.
- You must enter your extension password to override toll restriction every time you make a call.
- To override toll restriction in the option, forced or verify-all mode, use the Walking COS feature.

#### ***Programming References***

- Operator/Manager Service Features (Section 3.3)  
Extension Password Set (Manager only)
- System Programming — Installation Manual
  - [310] Account Codes
  - [601]–[603] TRS – Class of Service (COS) Assignment — Day/Night/Lunch
  - [605] Account Code Entry Mode

#### ***Feature References***

Account Code Entry

Toll Restriction (→ See the Installation Manual.)

Walking COS

## *Toll Restriction for System Speed Dialing*

Allows you to change the toll restriction in "System Speed Dialing". Normally, calls originated by "System Speed Dialing" are restricted depending on the extension's toll restriction COS number. Once this option is set, the COS number is changed to the one assigned in the program [301]. You can select the toll restriction COS number by System Programming.

### ***Programming Reference***

- System Programming — Installation Manual  
[301] Toll Restriction — System Speed Dialing Boundary Class

### ***Feature References***

System Speed Dialing  
Toll Restriction (→ See the Installation Manual.)

## *Toll Restriction — Station lock Boundary Class*

Allows assigning a toll restriction class when the Electronic Station Lockout or Remote Station Lock feature is set.

You usually cannot make an outside call at a locked extension, however if a toll restriction class is assigned in program [312], you can make an outside call at the locked extension.

### ***Conditions***

- The higher toll restriction COS number will take precedence.  
For example, if toll restriction COS number 4 is assigned to an extension and the station lock boundary class is 3, you are allowed to make a call with toll restriction COS 4.

### ***Programming Reference***

- System Programming — Installation Manual  
[312] Toll Restriction — Station Lock Boundary Class

### ***Feature References***

Electronic Station Lockout  
Remote Station Lock Control  
Toll Restriction (→ See the Installation Manual.)

## Voice Mail Integration

Allows you to use a Voice Processing System (VPS) to forward your calls to a mailbox in the system. A caller can leave a message in your mailbox. If you use a proprietary telephone which has a MESSAGE button, the button light will turn on to let you know you have messages. If you use a single line telephone, dial tone 3 will let you know you have messages when you go off-hook.

If this feature is enabled, the system automatically sends the Follow-on ID to the Voice Mail Port before connecting the caller. You must choose one of the following two settings for the Follow-on ID format.

**Setting A:** only sends the extension number to the Voice Mail Port.

**Setting B:** sends "#6" followed by the extension number. "#6" is used by a Panasonic KX-Voice Processing System to force the VPS port into voice mail service.

The setting depends on the format required by your voice processing system.

### Setting

**PT and SLT**

Lift the handset or press SP-PHONE/MONITOR.

For a PT: Press FWD/DND. For an SLT: Dial 71.

For a PT: Press FWD/DND. For an SLT: Dial 71.

Dial the setting number. Dial #. For setting A: Dial 91. For setting B: Dial 92.

Confirmation tone and dial tone

Hang up or press SP-PHONE/MONITOR.

**• You may press the flexible button assigned as the FWD/DND button instead.**

**<PT Display Example>**

FWD	V.M.	On	(— setting A)
FWD	V.M. (#6)	On	(— setting B)

**• Single line telephone users can dial "0" instead of "#".**

## 3.2 Telephone Features

### Listening to a stored message

You can listen to the messages stored in your mailbox easily. There are two operations to play back messages.

#### Using the Message Waiting (MESSAGE) button

**PT**




Lift the handset or press SP-PHONE/MONITOR

Press MESSAGE

- You can listen to the stored message by following the Voice Mail prompts.

#### By manual dialing

**Any Telephone**



Voice Mail extension no.

Lift the handset or press SP-PHONE/MONITOR

Enter the Voice Mail extension number

- When you use an SLT, you will hear dial tone 3 if there are messages.
- You can listen to the stored message by following the Voice Mail prompts

### Cancelling

**PT and SLT**



FWD/DND

For a PT

7

1

For an SLT

Lift the handset or press SP-PHONE/MONITOR

For a PT Press FWD/DND  
For an SLT Dial 71



Dial 90#



Confirmation tone and dial tone



Hang up or press SP-PHONE/MONITOR

**<PT Display Example>**

FWD V.M. Off

- You may press the flexible button assigned as the FWD/DND button instead
- Single line telephone users can dial "0" instead of "#"

### *Conditions*

- Voice Mail can be assigned as the destination for the following features.
  - a) Call Forwarding — All Calls
  - b) Call Forwarding — Busy/No Answer
  - c) Intercept Routing
- To forward your calls to your mailbox by the Call Forwarding feature, you have to set “Call Forwarding — All Calls” or “Call Forwarding — Busy/No Answer”.  
The setting is as follows.  
[Off-hook] [FWD/DND or 71] [91# or 92#] (after hearing a confirmation tone and dial tone) [FWD/DND or 71] [1 (All Calls) or 2 (Busy/No Answer)] [Voice mail extension number] [#] [On-hook]  
The canceling is as follows.  
[Off-hook] [FWD/DND or 71] [90#] (after hearing a confirmation tone and dial tone) [FWD/DND or 71] [0#] [On-hook]
- Outside callers can leave messages in your mailbox. When an incoming outside call is received, the operator answers the call and transfers it to your extension.
  - **If you set the “Call Forwarding” feature at the Voice Mail destination;**  
The call will be forwarded to Voice Mail automatically.
  - **If you do not set the “Call Forwarding” feature;**  
The call will return to the operator. Then the operator will transfer the call to Voice Mail.
- An incoming call via DISA is automatically transferred to Voice Mail when the destination extension is assigned to “Intercept” and a Voice Mail extension is assigned as the Intercept Routing destination.
- You can also transfer the received outside calls to specific mailboxes so that callers can leave messages.

**PT** • A flexible button can be assigned as the FWD/DND button.

**SLT** • You will hear dial tone 3 if there are messages in your mailbox when you go off-hook. When you access voice mail, you have to listen to all of the new messages. If you do not listen to all of the messages, dial tone 3 will be eliminated and you will not know there are messages left in your mailbox the next time you go off-hook.

### *Programming References*

- Station Programming (Section 2)
  - Flexible Button Assignment — FWD/DND Button,
  - Return to Message Waiting (MESSAGE) Button

### *Feature References*

Call Forwarding — All Calls, Busy/No Answer  
Intercept Routing (→ See the Installation Manual.)

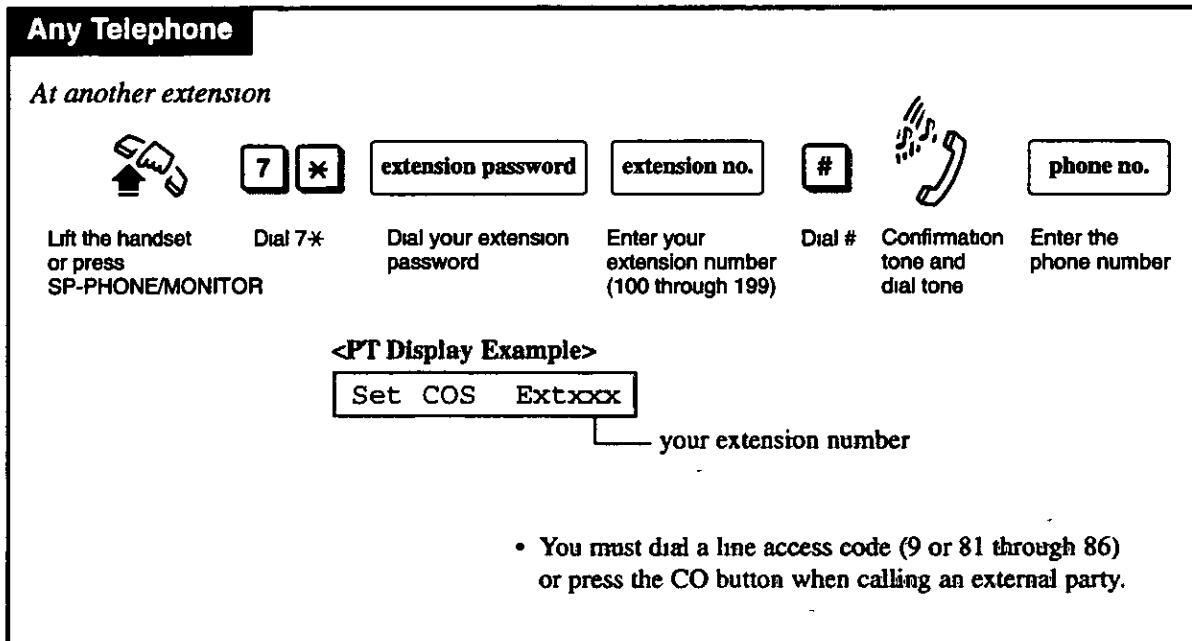
## 3.2 Telephone Features

W

### Walking COS

Allows you to use your calling privileges (TRS — Class of Service) at another extension. You may override restrictions which may be set at the extension.

#### Making a call



#### Conditions

- TRS Class of Service (COS) is used to define the feature. Each extension is assigned a TRS COS number.
- If your extension is assigned to the Account Code — Forced or Verify — All mode, you must enter the account code before the line access code.

**SLT** • A rotary telephone cannot use this feature

#### Programming References

- Operator/Manager Service Features  
Extension Password Set (Manager only)
- System Programming — Installation Manual  
[601]—[603] TRS — Class of Service (COS) Assignment — Day/Night/Lunch

#### Feature Reference

Toll Restriction Override

The system supports one operator and one manager. Any extension can be appointed as the operator and jack number 01 is appointed as the manager. System Programming is required to assign the operator. They can perform the following features.

- 1) Date and Time Setting
- 2) Electronic Station Lockout — CANCEL ALL
- 3) Outgoing Message (OGM)
- 4) Remote Station Lock Control
- 5) Time (Day/Night/Lunch) Service Setting
- 6) Timed Reminder, Remote (Wake-Up Call)
- 7) Extension Password Set (Manager only)

### ***Programming Reference***

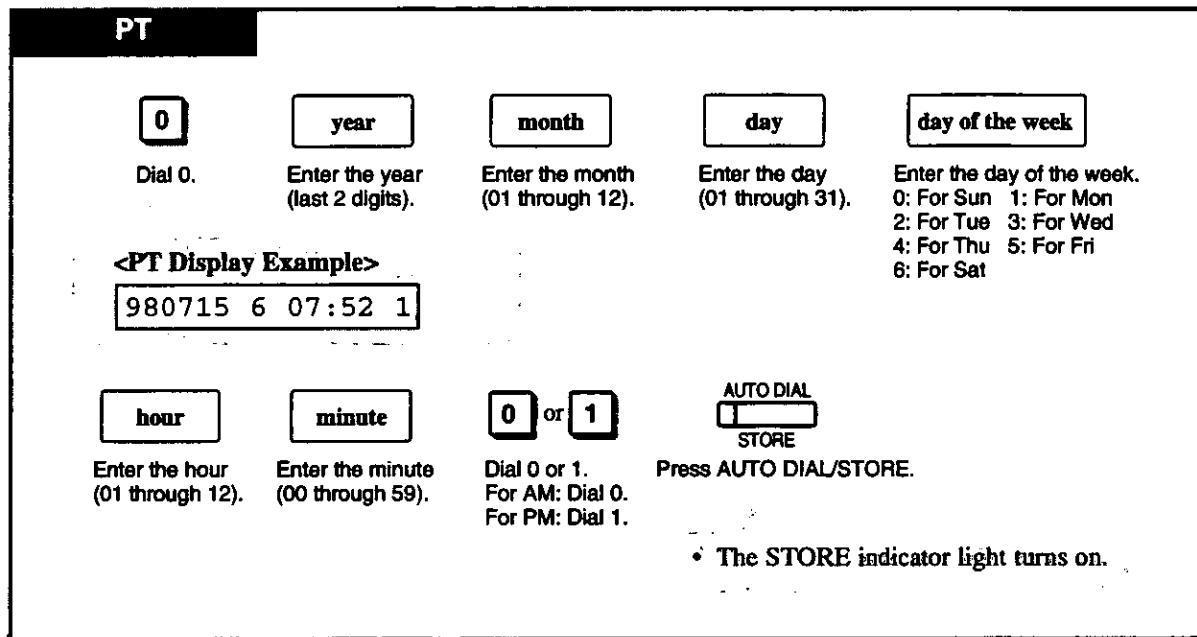
- System Programming — Installation Manual  
[008] Operator Assignment

***Date and Time Setting***

When the current time setting is wrong, you can adjust it by the following procedure.

***Setting***

- Be sure that you are in the Station Programming mode. Set the MEMORY switch to "PROGRAM".



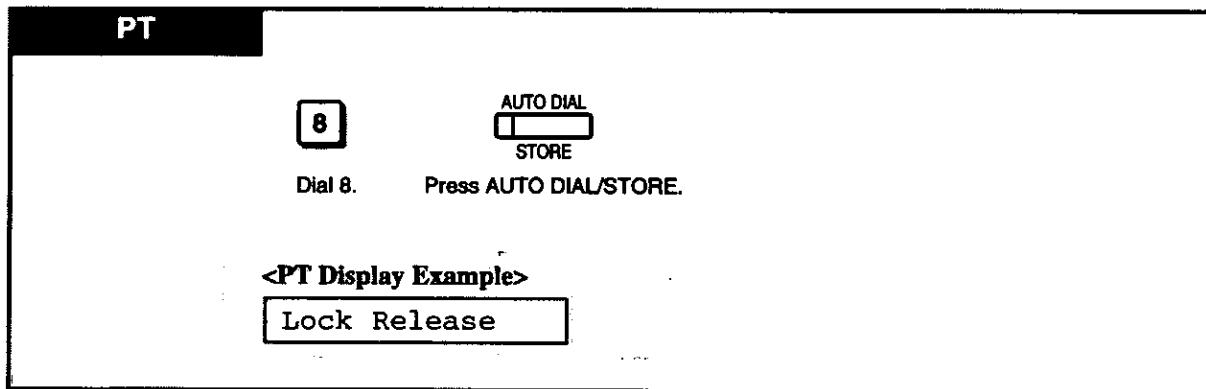
- To exit the Station Programming mode, set the MEMORY switch to "SET".

***Electronic Station Lockout — CANCEL ALL***

You can cancel Electronic Station Lockout at all extensions.

***Setting***

- Be sure that you are in the Station Programming mode. Set the MEMORY switch to "PROGRAM".



- To exit the Station Programming mode, set the MEMORY switch to "SET".

***Outgoing Message (OGM)***

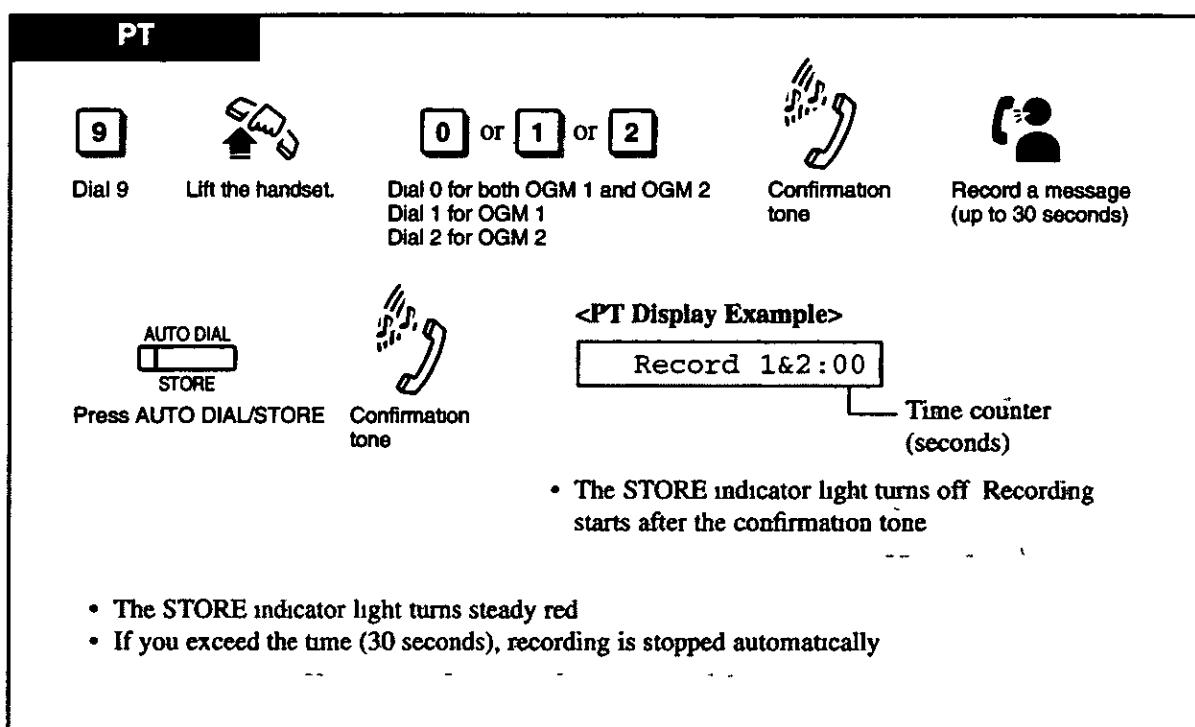
The operator or manager can record or play back the outgoing message

This is played when a caller accesses the DISA feature.

Two Outgoing Messages (OGM 1 and OGM 2) are available for DISA 1 and DISA 2.

***Recording a message***

- Be sure that you are in the Station Programming mode. Set the MEMORY switch to "PROGRAM"



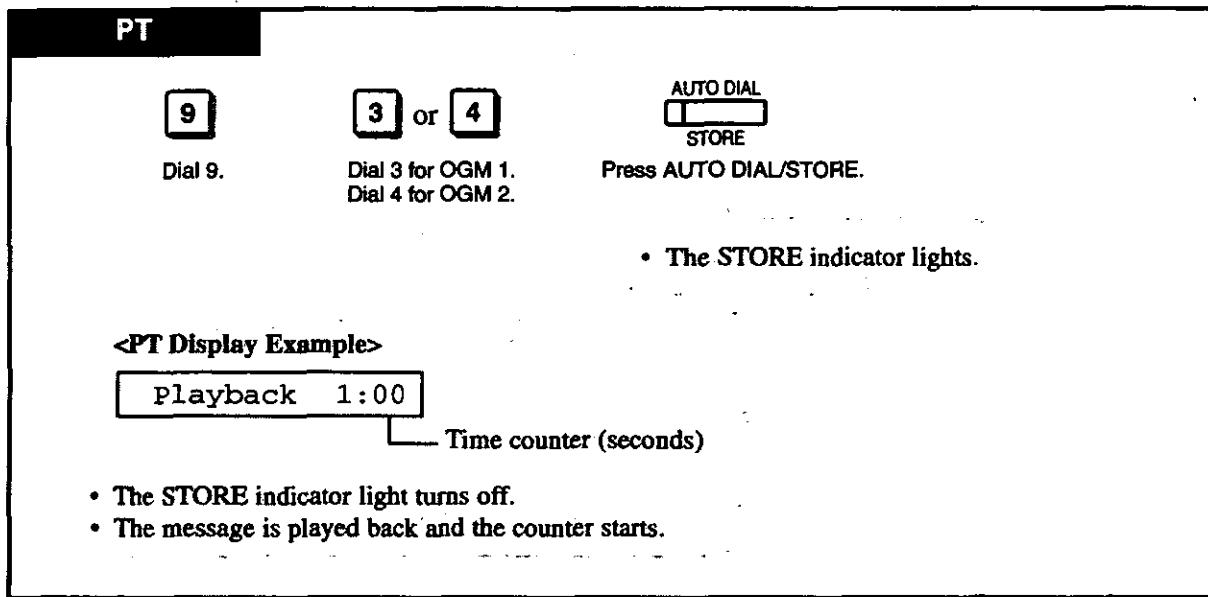
- To exit the Station Programming mode, set the MEMORY switch to "SET"

### 3.3

## *Operator/Manager Service Features*

### *Playing back a message*

- Be sure that you are in the Station Programming mode. Set the MEMORY switch to "PROGRAM".



- To exit the Station Programming mode, set the MEMORY switch to "SET".

### *Programming Reference*

- System Programming — Installation Manual  
[502] OGM Mode Selection

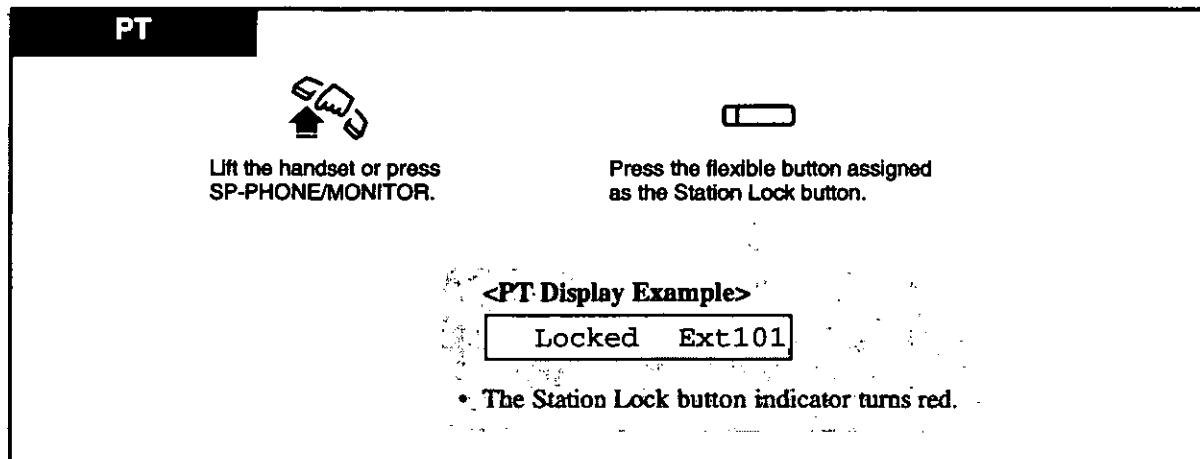
### *Feature Reference*

Direct Inward System Access (DISA)

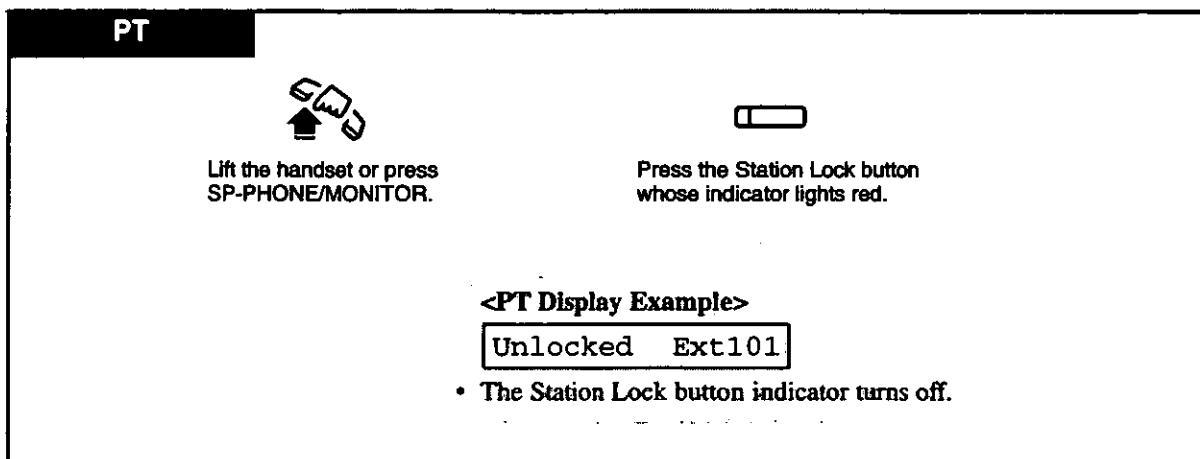
## *Remote Station Lock Control*

The operator or manager can remotely lock or unlock a desired extension. You can lock outside calls.

### *Locking*



### *Unlocking*



***Conditions***

- This feature overrides the "Electronic Station Lockout" feature. If "Electronic Station Lockout" has already been set by the extension user and this feature is set afterwards, the extension user cannot cancel the lock. Only the operator or manager can cancel the lock.
- Extension passwords must be assigned to the operator and manager extensions beforehand.
- The Electronic Station Lockout — CANCEL ALL feature can cancel this feature.
- An extension user can make a call at the locked extension depending on system programming. System programming determines which COS number applies to a call at the locked extension.

***Programming Reference***

- System Programming — Installation Manual  
[312] Toll Restriction — Station Lock Boundary Class

***Feature References***

Electronic Station Lockout

Toll Restriction — Station Lock Boundary Class

Electronic Station Lockout CANCEL ALL (3.3 Operator/Manager Service Features)

Station Programming — Station Lock Button Assignment (Operator/Manager only)

(4.2 DSS Console Features)

*Time (Day/Night/Lunch) Service Setting*

This system supports the Day, Night and Lunch modes. The system operation for originating and receiving calls can be different in the Day, Night and Lunch modes. Toll restriction can be programmed to prevent unauthorized toll calls for each mode.

*Changing Day, Night or Lunch mode in manual or automatic mode*

**PT**



Lift the handset or press SP-PHONE/MONITOR



Confirmation tone and dial tone



Hang up or press SP-PHONE/MONITOR

7	8	1	#
7	8	2	#
7	8	3	#

For manual-day mode Dial 781# or press the DSS button assigned as the Day button  
 For manual-night mode Dial 782# or press the DSS button assigned as the Night button  
 For manual-lunch mode Dial 783# or press the DSS button assigned as the Lunch button

- The display shows one of the following depending on whether the service is in the Day, Night or Lunch mode.

**<PT Display Example>**

Day Mode
----------

or

Night Mode
------------

or

Lunch Mode
------------

- The assigned button indicator turns on

*Cancelling the manual Day, Night or Lunch mode and returning to the automatic mode*

**PT**



Lift the handset or press SP-PHONE/MONITOR



Dial 780#



Confirmation tone and dial tone



Hang up or press SP-PHONE/MONITOR

*Confirming the current mode (with a display PT only)*

**PT**

When the telephone is idle



Press #

- The display shows the current mode for 3 seconds

**Conditions**

- The day/night/lunch mode can be changed either automatically at a predetermined time (default: 9:00 a.m. for every day, 5:00 p.m. for every night) or manually at any time by System Programming.
- Even if the automatic mode has been selected by System Programming, the operator or manager can change the day, night and lunch modes manually.
- The following programs have separate day, night and lunch programming.
  - 1) Delayed Ringing Assignment
  - 2) Door Opener Assignment
  - 3) Doorphone Ringing Assignment
  - 4) Flexible Outward Dialing Assignment
  - 5) Flexible Ringing Assignment
  - 6) Outside (CO) Line Mode
  - 7) TRS – Class of Service (COS) Assignment
- If the lunch mode is set using feature number 783# in the automatic mode, the mode will not be changed until the lunch mode is canceled using feature number 780#. The day and night modes are automatically changed at the programmed time even if feature number 780# is not entered.
- Feature number 780# is not accepted in the manual mode.
- One of the day, night or lunch button indicators on the DSS console lights red to display the current mode.
- If the day, night or lunch mode is changed manually in the automatic changing mode and the manager starts System Programming, the manual setting will be canceled after System Programming is completed. It will return to the automatic day, night or lunch mode.

**Programming References**

- System Programming — Installation Manual
  - [006] Time (Day/Night/Lunch) Service Changing Mode
  - [007] Time (Day/Night/Lunch) Service Start Time
  - [405]–[407] Flexible Outward Dialing Assignment — Day/Night/Lunch
  - [408]–[410] Flexible Ringing Assignment — Day/Night/Lunch
  - [411]–[413] Delayed Ringing Assignment — Day/Night/Lunch
  - [414]–[416] Outside (CO) Line Mode — Day/Night/Lunch
  - [601]–[603] TRS – Class of Service (COS) Assignment — Day/Night/Lunch
  - [700]–[702] Doorphone Ringing Assignment — Day/Night/Lunch
  - [703]–[705] Door Opener Assignment — Day/Night/Lunch

**Feature References**

Direct In Lines (DIL) (→ See the Installation Manual.)

Door Opener

Doorphone Call

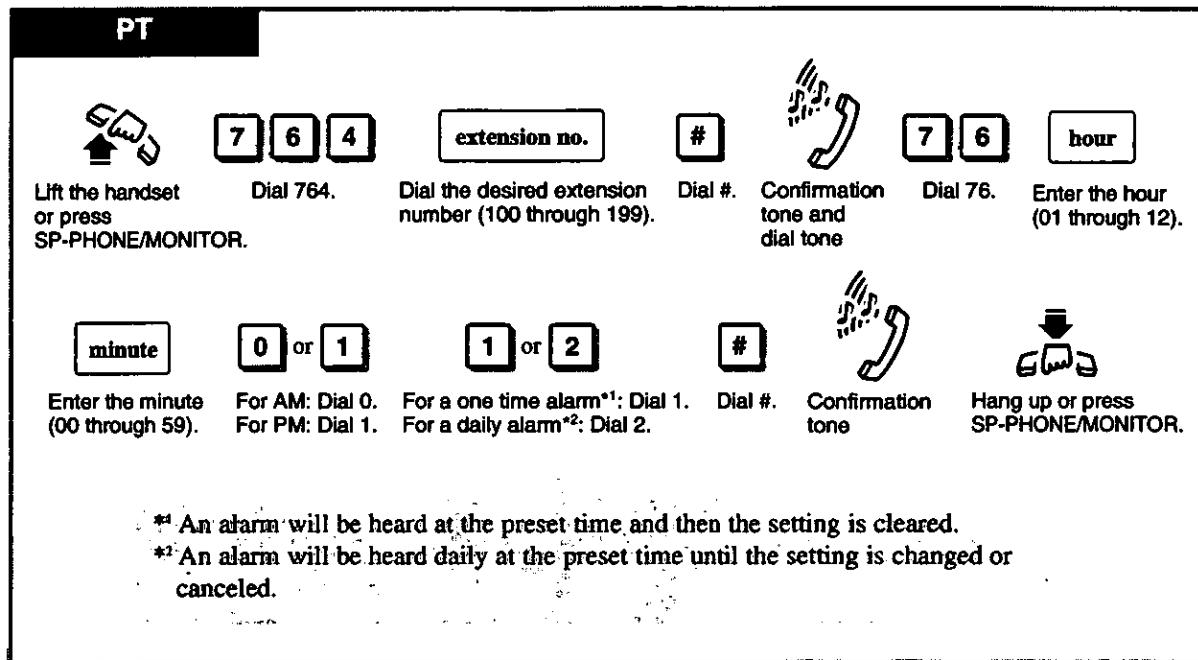
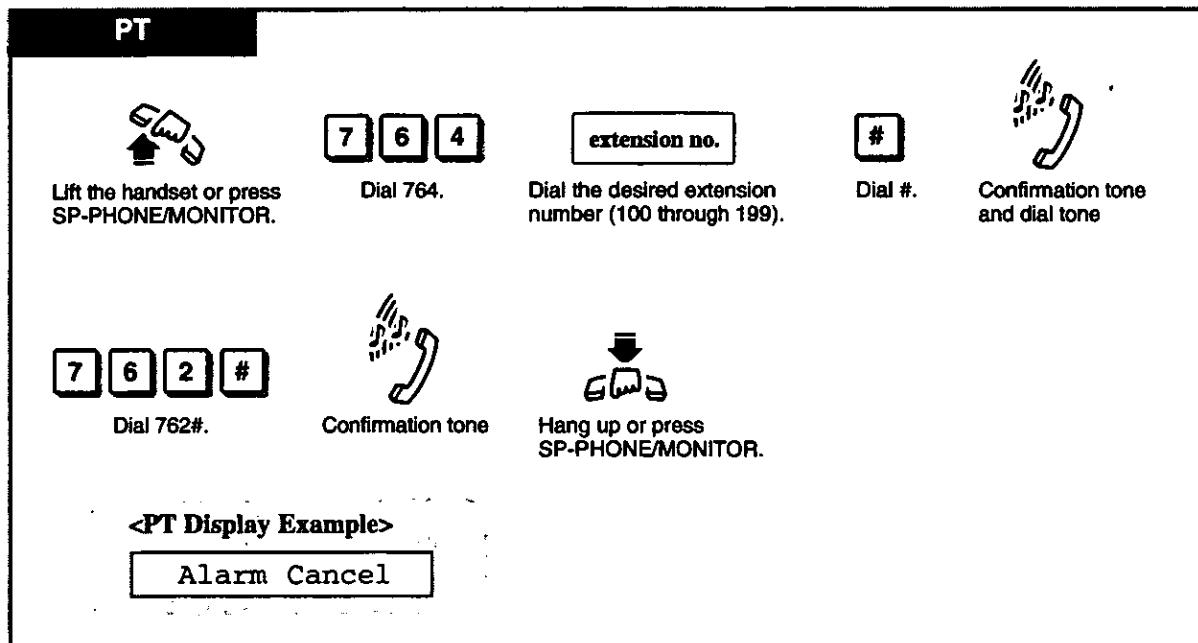
Outside (CO) Line Connection Assignment — Outgoing (→ See the Installation Manual.)

Ringing, Delayed (→ See the Installation Manual.)

Toll Restriction (→ See the Installation Manual.)

**Timed Reminder, Remote (Wake-Up Call)**

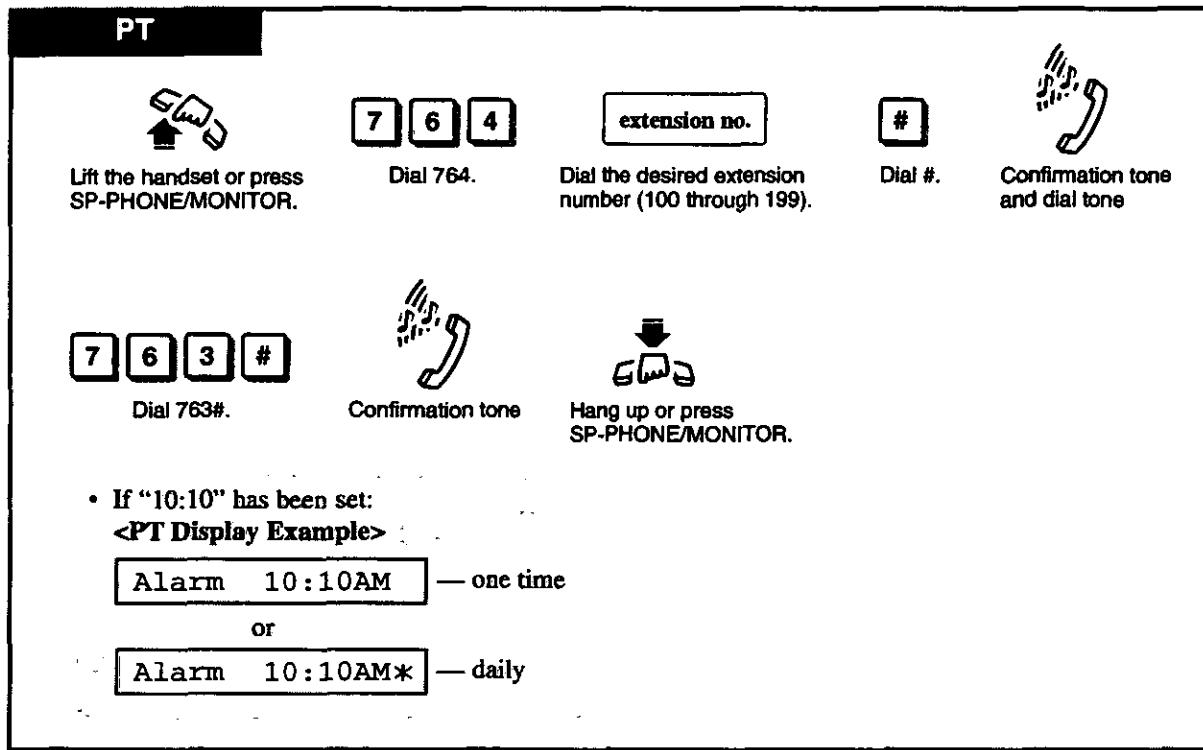
The operator or manager can remotely set or cancel the Timed Reminder of a desired extension.

**Setting****Cancelling**

### 3.3

## *Operator/Manager Service Features*

### *Checking the time setting (with a display PT only)*



### *Conditions*

- Be sure the system clock is set correctly.
- There is no limit to the number of the extensions who can set Timed Reminder at the same time.

### *Feature Reference*

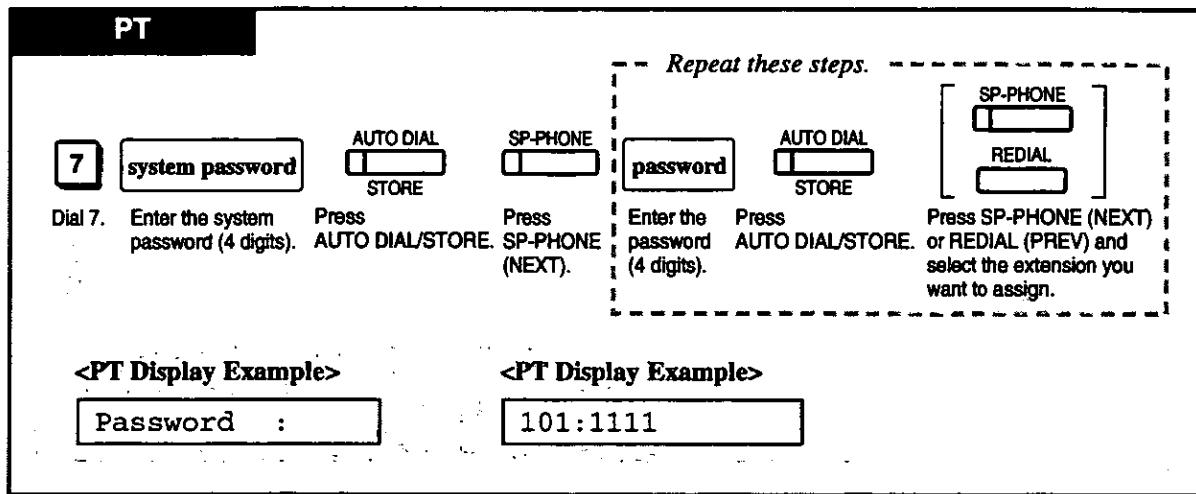
Timed Reminder

***Extension Password Set (Manager only)***

The manager can assign a password to each extension. The assigned password can be used for the Toll Restriction Override by Extension Password and Walking COS features.

***Setting***

- Be sure that you are in the Station Programming mode. Set the MEMORY switch to “PROGRAM”.



- To exit the Station Programming mode, set the MEMORY switch to “SET”.

***Conditions***

- The extension number is displayed in the order of the jack number when you press the NEXT or PREV button.
- In the Account Code Verify – Toll mode, you should not assign similar numbers as the emergency call codes. For example, if “911” is assigned as an emergency code, and you assign “9111” as an extension password, the system regards the entered number, “9111”, as the emergency code.
- To erase an incorrect entry, press the CLEAR (TRANSFER) button and enter a new number.

***Feature References***

Toll Restriction Override — Toll Restriction Override by Extension Password  
Walking COS



# *Section 4*

## *DSS Console Features*

### *(KX-T7040)*

#### *Contents*

<b>4.1</b>	<i>Configuration</i> .....	<b>4-2</b>
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<b>4.2</b>	<i>DSS Console Features</i> .....	<b>4-4</b>
	<i>Station Programming</i> .....	<b>4-4</b>
	<i>Direct Station Dialing</i> .....	<b>4-9</b>
	<i>One-Touch Dialing</i> .....	<b>4-9</b>
	<i>One-Touch Access for System Features</i> .....	<b>4-9</b>
	<i>Call Transfer</i> .....	<b>4-10</b>

#### **<Note>**

All paired telephone illustrations used in the operating instructions are based on the KX-T7130 model.

With a Direct Station Selection (DSS) Console, model KX-T7040, you can make or transfer calls and access system features with the touch of a button. The DSS Console must be connected to a Panasonic Advanced Hybrid System and paired with a PT. System Programming is required to designate the jack numbers of the DSS Console. With a paired telephone, you can carry out the following operations using the DSS Console.

- Direct access to an extension (Direct Station Dialing)
- Quick access to an external party (One-Touch Dialing)
- Quick access to a system feature (One-Touch Access for System Features)
- Easy transfer to an extension (Call Transfer)
- Quick access to the day mode (Time (Day/Night/Lunch) Service)  
(Operator and Manager only)
- Quick access to the night mode (Time (Day/Night/Lunch) Service)  
(Operator and Manager only)
- Quick access to the lunch mode (Time (Day/Night/Lunch) Service)  
(Operator and Manager only)
- Quick setting of the Remote Station Lock Control (Remote Station Lock Control)  
(Operator and Manager only)

### *Conditions*

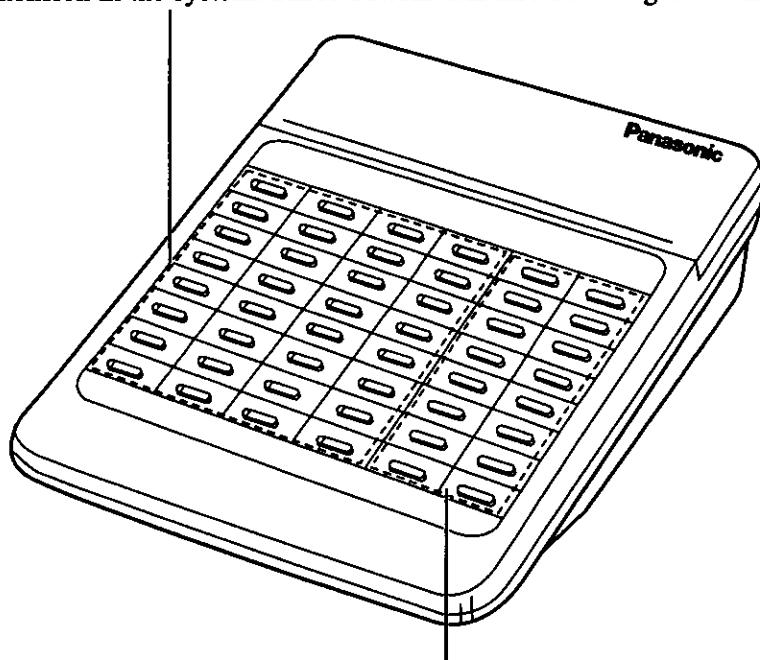
- The KX-T7040 and Proprietary Telephone (PT) should be placed side by side on your desk.
- A single line telephone cannot be utilized with the KX-T7040.
- For System Programming, please refer to the Installation Manual.

### *Programming References*

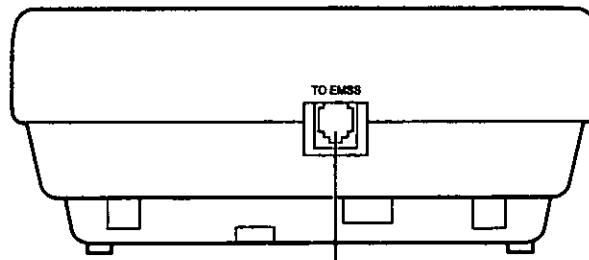
- System Programming — Installation Manual
  - [003] DSS Console Port Assignment
  - [004] Paired Telephone Assignment for DSS Console
  - [112] DSS Console Indication Mode

*Location of Controls***DSS Buttons with a Busy Lamp Field (BLF) (01 through 32):**

These are used to access extensions. The BLF indicates the busy or idle status of each extension in the system. These buttons can also be changed to other feature buttons.

**PF (Programmable Feature) Buttons (01 through 16):**

These buttons are provided with no default settings. With a paired telephone, you can program the buttons as other feature buttons.

**<Back View>**

Connects to the KX-TA624 System.

## *Station Programming*

PF buttons are provided with no default settings, while each DSS button has a default setting as follows.

DSS 01-24: extension numbers 101-124

DSS 25-32: no default settings

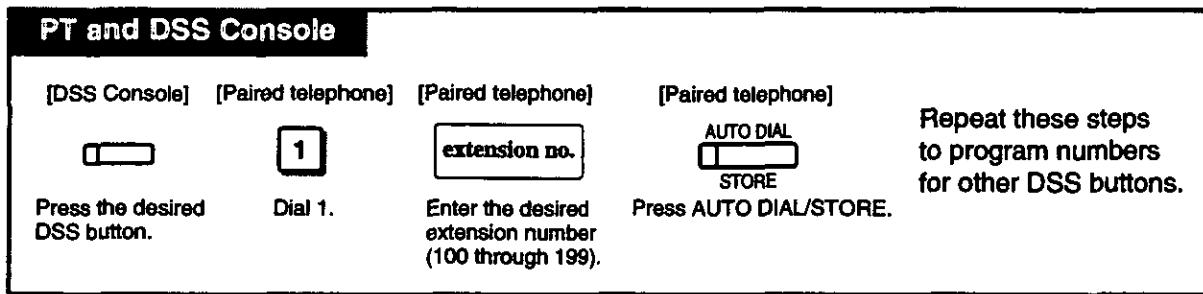
To meet your various needs, DSS buttons can be changed to other feature buttons.

Every DSS or PF button can be assigned to another extension number, telephone number or feature number by Station Programming.

## *Extension Number Assignment*

You can assign a desired number to a DSS button.

— Be sure that you are in the Station Programming mode. Set the MEMORY switch to "PROGRAM".



— To exit the Station Programming mode, set the MEMORY switch to "SET".

*One-Touch Dialing Assignment*

You can assign a DSS or PF button as a One-Touch Dialing button. The number can be an extension number or a telephone number. Up to sixteen digits can be stored in each memory location.

- Be sure that you are in the Station Programming mode. Set the MEMORY switch to "PROGRAM".

**PT and DSS Console**

[DSS Console and Paired telephone]	[Paired telephone]	[Paired telephone]	Repeat these steps to program numbers for other DSS or PF buttons.
	phone no.		
Press the desired DSS button (on the DSS Console) and dial 2 (on the paired telephone), or press the PF button (on the DSS Console).	Enter the desired number.	Press AUTO DIAL/STORE.	

• When you assign an outside phone number, you must enter a line access code first.

- To exit the Station Programming mode, set the MEMORY switch to "SET".

*One-Touch Access Assignment for System Features*

You can assign a desired feature to a DSS or PF button.

- Be sure that you are in the Station Programming mode. Set the MEMORY switch to "PROGRAM".

**PT and DSS Console**

[DSS Console and Paired telephone]	[Paired telephone]	[Paired telephone]	Repeat these steps to program numbers for other DSS or PF buttons.
	feature no.		
Press the desired DSS button (on the DSS Console) and dial 2 (on the paired telephone), or press the PF button (on the DSS Console).	Enter the desired feature number.	Press AUTO DIAL/STORE.	

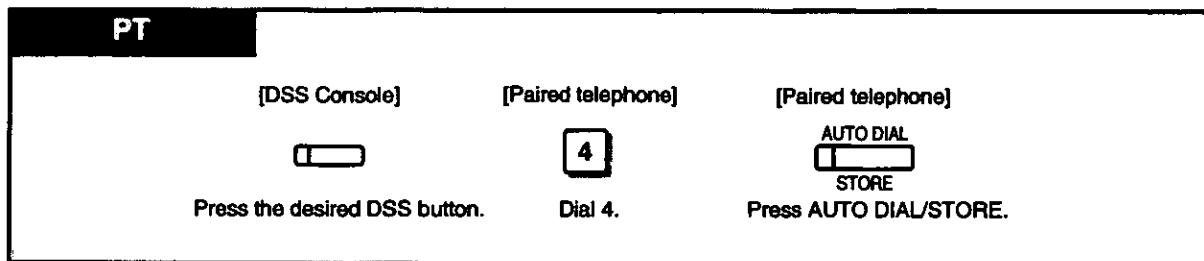
• If you wish to access the "Paging — All" feature, enter feature number 33\*.

- To exit the Station Programming mode, set the MEMORY switch to "SET".

*Day Button Assignment (Operator and Manager only)*

You can assign a DSS button as the Day button. Simply pressing the assigned button sets the day mode.

- Be sure that you are in the Station Programming mode. Set the MEMORY switch to “PROGRAM”.

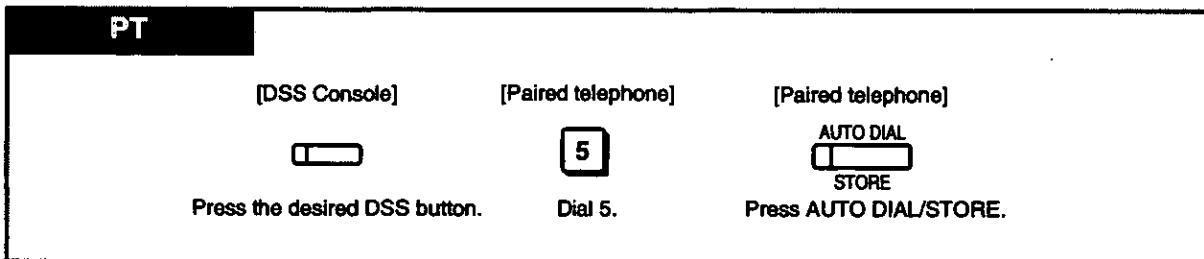


- To exit the Station Programming mode, set the MEMORY switch to “SET”.

*Night Button Assignment (Operator and Manager only)*

You can assign a DSS button as the Night button. Simply pressing the assigned button sets the night mode.

- Be sure that you are in the Station Programming mode. Set the MEMORY switch to “PROGRAM”.

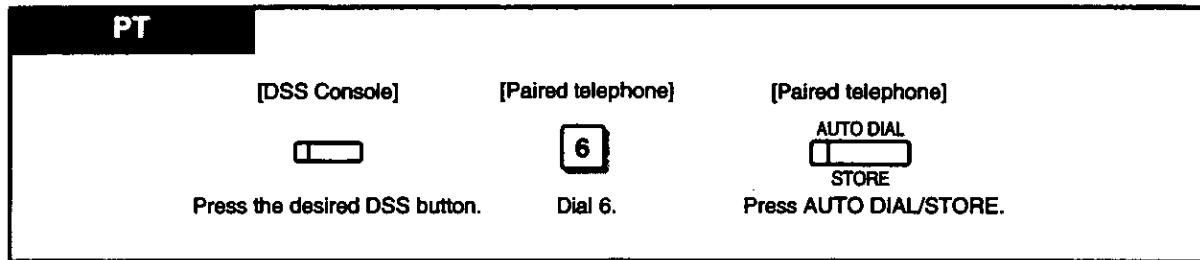


- To exit the Station Programming mode, set the MEMORY switch to “SET”.

*Lunch Button Assignment (Operator and Manager only)*

You can assign a DSS button as the Lunch button. Simply pressing the assigned button sets the lunch mode.

- Be sure that you are in the Station Programming mode. Set the MEMORY switch to "PROGRAM".

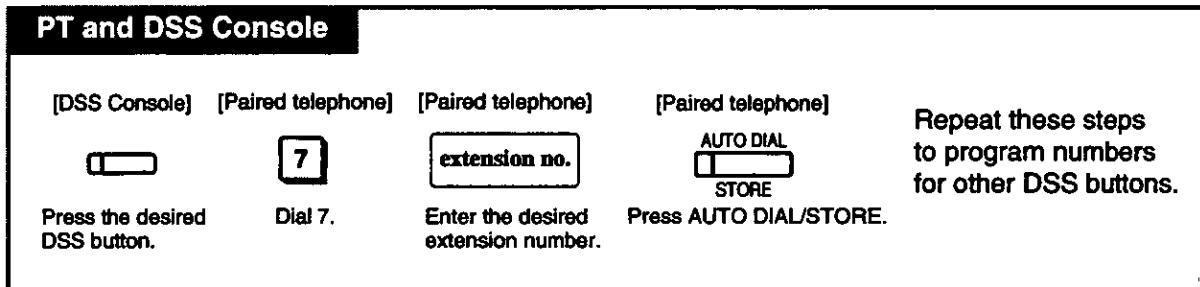


- To exit the Station Programming mode, set the MEMORY switch to "SET".

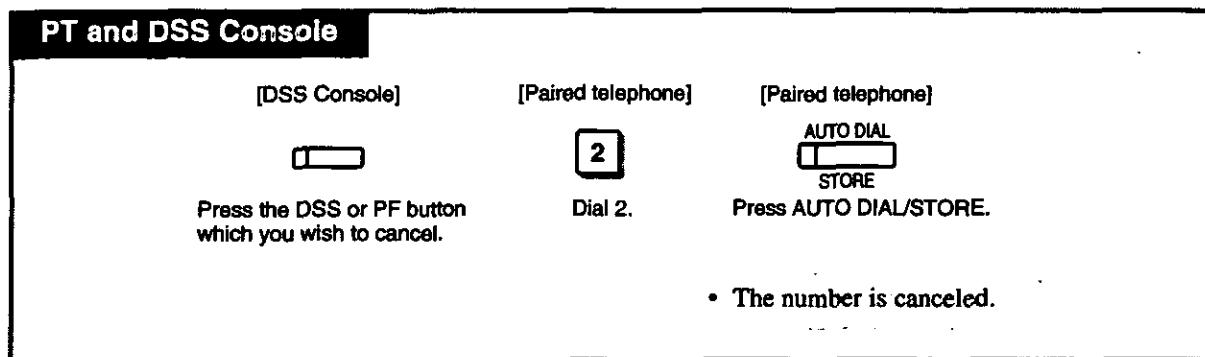
*Station Lock Button Assignment (Operator and Manager only)*

You can assign the Station Lock button to a DSS button for the remote station lock control feature.

- Be sure that you are in the Station Programming mode. Set the MEMORY switch to "PROGRAM".



- To exit the Station Programming mode, set the MEMORY switch to "SET".

*To cancel after programming**Conditions*

- DSS buttons can be changed to any of the following feature buttons by Station Programming.
  - a) *Another DSS Button* (Every DSS button can be assigned to another extension number.)
  - b) One-Touch Dialing/One-Touch Access Button
  - c) Day Button (Operator and Manager only)
  - d) Night Button (Operator and Manager only)
  - e) Lunch Button (Operator and Manager only)
  - f) Station Lock Button (Operator and Manager only)
- PF buttons can be changed to One-Touch Dialing/One-Touch Access buttons by Station Programming.
- When the STORE button is pressed after programming, you will hear beep tones as follows.
  - One beep: The entry is different from the one that was stored previously.
  - Two beeps: The entry is the same as the previously stored one.
- You can check the stored data by pressing the desired button while on-hook. The data will be displayed.

*Programming References*

- Station Programming (Section 2)  
 Flexible Button Assignment — Direct Station Selection (DSS) Button,  
 One-Touch Dialing Button

### *Direct Station Dialing*

An extension can be called and accessed, by simply pressing a DSS button. The BLF shows if the extension is engaged.

#### **PT and DSS Console**

[Paired Telephone]



Lift the handset or press  
SP-PHONE/MONITOR.

[DSS Console]



Press the desired DSS button.

### *One-Touch Dialing*

The stored number is dialed automatically by pressing a programmed DSS or PF button.

#### **PT and DSS Console**

[Paired Telephone]



Lift the handset or press  
SP-PHONE/MONITOR.

[DSS Console]



Press the desired DSS or PF button.

### *One-Touch Access for System Features*

You can access system features by pressing a programmed DSS or PF button.

#### **PT and DSS Console**

[Paired Telephone]



Lift the handset or press  
SP-PHONE/MONITOR.

[DSS Console]

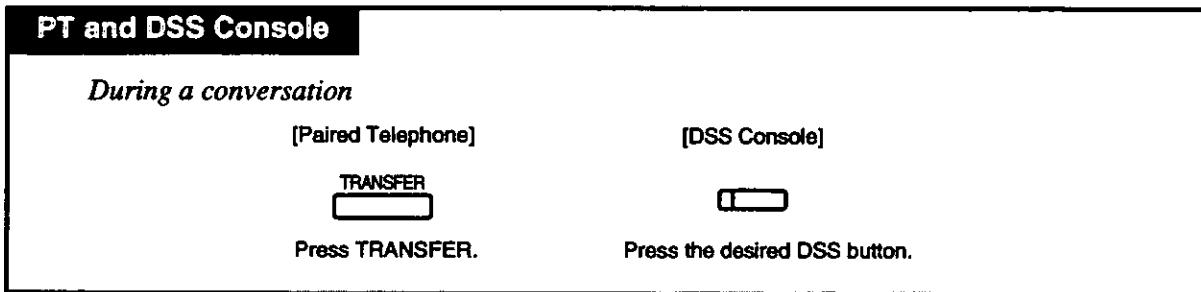


Press the desired DSS or PF button.

## *Call Transfer*

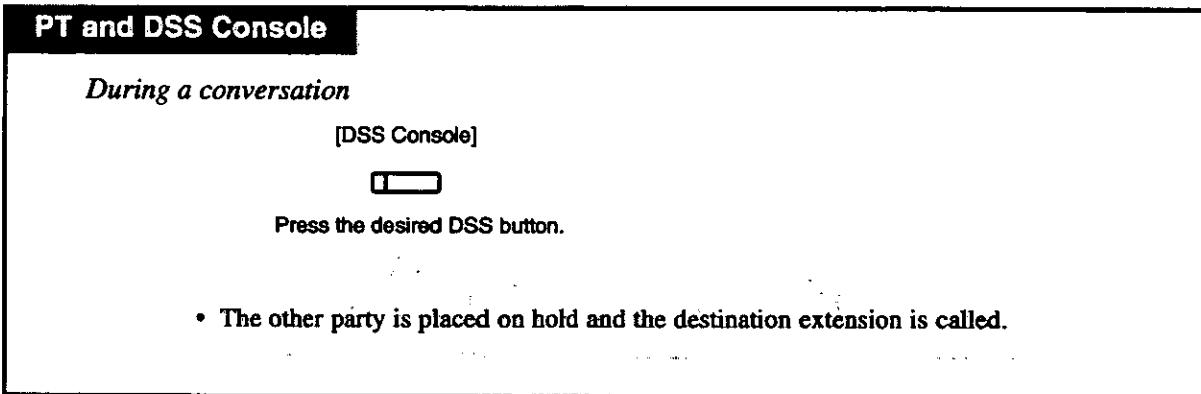
A call can be transferred to an extension using a DSS button.

### *Without Transfer*



### *With Transfer*

An outside call can be transferred to an extension using a one-touch operation. The One-Touch Transfer feature must be set by System Programming.



## *Programming Reference*

- System Programming — Installation Manual  
[005] One-Touch Transfer Using a DSS Button

## *Section 5*

## *Appendix*

### *Contents*

<i>Display Examples</i> .....	<i>5-2</i>
<i>Feature Number List</i> .....	<i>5-8</i>
<i>Tone List</i> .....	<i>5-11</i>
<i>Troubleshooting</i> .....	<i>5-13</i>

*Display Examples*

Display	Description
Set Time & Date	Factory setting. The system clock is not working properly.
Jan 1 12:00AM Jan 1 20:00	The current date and time using a 12-hour clock. The current date and time using a 24-hour clock. — Pressing “*” while on-hook alternates between this display and the following two displays.
Jan 1, 1998 THU	The current date and day of the week.
123:	Making or receiving an intercom call. Also, displayed while on-hook. A name is not assigned.
123:Tony Viola	Making or receiving an intercom call or called by “Camp-On” (intercom recall). Also, displayed while on-hook. A name is assigned. Confirming key programming on a DSS or MESSAGE button.
101: Busy	The destination extension is busy.
101: DND	The destination extension has set “Do Not Disturb (DND)”.
1234567890	Called by an outside (CO) line with a Caller ID*-number. *Caller ID: Provides you with a caller's information, such as the name and telephone number, on an outside (CO) line assigned to receive Caller ID service calls. This requires subscribing to caller identification services. Refer to the Installation Manual.
Panasonic	Called by an outside (CO) line, with a Caller ID*-number.
950-1001PP12345&	Confirming the key programming on the REDIAL, SAVE, or One-Touch Dialing button.
→123:Tony Viola	Making or receiving an intercom call after a call is forwarded. A name is assigned.
→101:Busy	The destination extension is busy after a call is forwarded.
→101:DND	The destination extension has set “Do Not Disturb (DND)” after a call is forwarded.
Alarm 10:15AM	The “Timed Reminder” setting is completed or a “Timed Reminder” call was received (one-time mode). Confirming the “Timed Reminder” programming.
Alarm 10:15AM*	The “Timed Reminder” setting is completed or a “Timed Reminder” call was received (everyday mode). Confirming the “Timed Reminder” programming.
Alarm Cancel	Canceled “Timed Reminder”.
Alarm Not Stored	Confirming “Timed Reminder” programming when it is not stored.
At Ext 101	Absent Message 3.

Display	Description
Back at 11:00AM	Absent Message 4.
BGM off	Stopped BGM.
BGM on	Started BGM.
Busy	The called doorphone or external pager is in use.
Busy Ovrde Allow	Canceled "Executive Busy Override Deny".
Busy Ovrde Deny	Completed setting "Executive Busy Override Deny".
C.Pickup Allow	Canceled "Call Pickup Deny".
C.Pickup Deny	Completed setting "Call Pickup Deny".
Call on CO 1	Called by an outside (CO) line.
Call Prked at 1	Completed setting "Call Park".
Callback All COs	Completed setting "Camp-On" when there is no idle outside (CO) line.
Callback CO 1	Completed setting "Camp-On".
Callback CO G1	Completed setting "Camp-On".
Callback Ext 101	Completed setting "Camp-On".
CID Log Clear	Cleared all logs.
CO 1	An idle outside (CO) line is seized.
CO 1 0:01'15	The duration time of incoming outside call.
CO 1 & CO 2	A Conference with two outside (CO) lines. Called by hold recall. — "Conference, Unattended".
CO 3 Free	Called by "Camp-On" (Outside (CO) line recall).
Conference	Confirming key programming on the Conference button.
CO in Use	The selected outside (CO) line is busy.
CO Not Assigned	The desired outside (CO) line is restricted (not assigned).
CW(CO) Off	Canceled "Call Waiting" for outside calls.
CW(CO) On	Completed setting "Call Waiting" for outside calls.
CW(Ext) Off	Canceled "Call Waiting" for intercom calls.
CW(Ext) On	Completed setting "Call Waiting" for intercom calls.
Data Mode Off	Canceled "Data Line Security".
Data Mode On	Completed setting "Data Line Security".
Day Mode	Day mode status. — "Time (Day/Night/Lunch) Service"

Display	Description
Do Not Disturb	Confirming the key programming on the FWD/DND button. Completed setting "Do Not Disturb (DND)".
D - Opener 1-On	Completed opening the door.
Door Phone 1	Making or receiving a doorphone call.
Ext101 & CO 1	Conference with an extension and outside (CO) line.
Ext101 & Ext102	Conference with two extensions.
Enter ACCNT Code	Pressing the FWD/DND or PAUSE button. — "Account Code Entry"
Ext Data Clear	Executed "Station Feature Clear".
External Page	Accessed to "Paging — External".
FWD(ALL) All COs	Completed setting "Call Forwarding — to Outside (CO) Line". Confirming the key programming on the FWD/DND button.
FWD (All) CO G1	Completed setting "Call Forwarding — to Outside (CO) Line" (- to outside (CO) line group). Confirming the key programming on the FWD/DND button.
FWD(ALL) Ext101	Completed setting "Call Forwarding — All Calls". Confirming the key programming on the FWD/DND button.
FWD(B/NA) Ext101	Completed setting "Call Forwarding — Busy/No Answer". Confirming the key programming on the FWD/DND button.
FWD(From) Ext101	Completed setting "Call Forwarding — Follow Me".
FWD/DND Cancel	Canceled "Call Forwarding" or "Do Not Disturb (DND)".
FWD V.M. Off	Canceled "Call Forwarding to Voice Mail".
FWD V.M. On	"Call Forwarding to Voice Mail — setting A" is set.
FWD V.M. (#6) On	"Call Forwarding to Voice Mail — setting B" is set.
Gone Home	Absent Message 2.
Group Log In	"Log-In" is set.
Group Log Out	"Log-Out" is set.
In a Meeting	Absent Message 6.
Incoming Log Off	Canceled "Incoming Call Log".
Incoming Log On	"Incoming Call Log" is set.
Locked : 1234	Completed setting "Call Log Lock, Incoming". Completed setting "Electronic Station Lockout".
Lunch Mode	Lunch mode status. — "Time (Day/Night/Lunch) Service"

Display	Description
Message Cancel	Canceled Absent Message.
MW at Ext 101	Completed setting "Message Waiting".
MW Not Accepted	The "Message Waiting" setting was not accepted.
MW Cancelled	Canceled "Message Waiting".
New:02 Old:03	Confirming the number of logged calls.
Night Mode	Night mode status. — "Time (Day/Night/Lunch) Service"
No Held Call	There is not a held call when retrieving a call on hold or parked call.
No Incoming Call	There is not an incoming call when trying to pick up a call.
No Page	When trying to answer a page, there is no call or someone has already answered the page.
Not Valid	Illegal operation.
Out Until 12/12	Absent Message 5.
Paging All	Accessing "Paging — All".
Paging All Ext	Accessed "Paging — Group" (- to all extensions).
Paging Allow	Canceled "Paging — DENY".
Paging Deny	"Paging — DENY" is set.
Paging Group 1	Accessed "Paging — Group" (- to a particular extension group).
Park at 1 N/A	The "Call Park" setting was not available.
PITS-PGM NO? →	Entered the Station Programming mode.
PSD Set 1	"Personal Speed Dialing" is set.
PSD 1 Not Stored	Confirming the Personal Speed Dialing number.
RCL: Ext 101	Called by transfer recall, without a name. — "Call Transfer"
Restricted	The outgoing call is restricted.
Room Monitor Off	Canceled "Room Monitor".
Room Monitor On	"Room Monitor" is set.
Set COS Ext101	The walking COS feature is set.
Transfer to CO	The destination extension has set "Call Forwarding — to Outside (CO) Line".
Unlocked	Canceled "Call Log Lock, Incoming". Canceled "Electronic Station Lockout".
Will Return Soon	Absent Message 1.

*Examples — in Station Programming mode*

Display	Description
CID Indication	The Caller ID Indication button is assigned.
CID Selection	The Caller ID Selection button is assigned.
CO-1	The Single-CO (S-CO) button is assigned.
Conference	The Conference (CONF) button is assigned.
C.W.Tone-1	Selecting a Call Waiting tone.
Day	The Day button is assigned.
Ext101: 1234	Assigned an extension password.
EXT-123	The DSS button is assigned.
Function Clear	Station Programming data can be cleared.
FWD/DND	The FWD/DND button is assigned.
Group Log In/Out	The Log-In/Log-Out button is assigned.
Jack01<=>EXT101	Confirming a jack number and extension number.
Lock Release	“Electronic Station Lockout — CANCEL ALL” is set.
Lunch	The Lunch button is assigned.
Message Waiting	Restored the Message Waiting (MESSAGE) button.
Night	The Night button is assigned.
Not Stored	No programming is assigned.
Other CO Key	The Other-CO (O-CO) button is assigned.
Playback 1:00	When playing back the OGM.
Pref. In :CO-2	Selecting a “Prime Line Preference — Incoming”.
Pref. In :No	Selecting a “No Line Preference — Incoming”.
Pref. In :Ring	Selecting a “Ring Line Preference — Incoming”.
Pref. Out:CO-2	Selecting a “Prime Line Preference — Outgoing”.
Pref. Out:Idle	Selecting an “Idle Line Preference — Outgoing”.
Pref. Out:No	Selecting a “No Line Preference — Outgoing”.
Record 1 :00	When recording the OGM.
RNG:1,2,3,4,5,6	Selecting an “Outside (CO) Line Ringing Selection”.

Display	Description
Save Button	The SAVE button is assigned.
Tone Call	Selecting a Ring-Calling mode.
TRK GRP-6	The Group-CO (G-CO) button is assigned.
Voice Call	Selecting a Voice-Calling mode.
092-555-2111	The One-Touch Dialing button is assigned.
*EXT-101	The Station Lock button is assigned.

*Conditions*

- If the displayed characters exceed sixteen digits, “&” is shown on the right-hand side of the display.
- The duration time display is only shown when you make or receive an outside call. The Count start time for outgoing calls can be programmed as desired.
- When you confirm key programming, be sure to press the button while on-hook.

**Feature Number List****Feature Numbers and Additional Required Digits**

Feature	Number	Additional Required Digits
Absent Message Capability set / cancel	75	1-6 / 0 + #
Account Code Entry for an SLT	49 or * *	Account code
Call Forwarding set / cancel	71	1-3 + desired number / 0 + #
Call Forwarding — Follow Me set / cancel	71	5 + EXTN. (extension no.) / 8 + #
Call Hold (Hold Mode 2 or 3) for an SLT	20	
Call Hold, Retrieve outside call / intercom call	53 / 5	CO (outside line no.) / EXTN.
Call Log, Incoming set / cancel	737	1 / 0 + #
Call Log Lock, Incoming lock unlock	77 77	0000-9999 twice + # 0000-9999 + #
Call Log All Clear	70*#	
Call Park / Call Park Retrieve	22 / 52	0-9
Call Pickup, Directed	4	EXTN.
Call Pickup, Group	40	
Call Pickup Deny set / cancel	72	1 / 0 + #
Call Retrieving from TAM	4	
Call Waiting set / cancel for extensions	732	1 / 0 + #
Call Waiting set / cancel for outside (CO) lines	731	1 / 0 + #
Data Line Security set / cancel	730	1 / 0 + #
Do Not Disturb (DND) set / cancel	71	4 / 0 + #
Doorphone Call calling / door open	31 / 55	1-4
Electronic Station Lockout set cancel	77 77	0000-9999 twice + # 0000-9999 + #
Executive Busy Override Deny set / cancel	733	0 / 1 + #
Extension Number	100-199	
External Feature Access	6	
Log-In / Log-Out	736	0 / 1 + #
Message Waiting set / cancel	70	(1 + EXTN.) / (2 + EXTN.) + #
Message Waiting cancel all messages	70	0 + #

Feature	Number	Additional Required Digits
Operator Call	0	
Outgoing Message (OGM) recording / playback	9	0-2 / 3-4
Outward Dialing		
— Line Access, Automatic	9	
— Line Access, Outside (CO) Line Group	8	1-6
Paging — All	33	* or 9
Paging — External	34	
Paging — Group all / particular	33	0 / 1-8
Paging — ANSWER	43	
Paging — DENY set / cancel	734	1 / 0 + #
Personal Speed Dialing	1* or #	0-9
Personal Speed Dialing store	2*	(0-9) + phone no. + #
Personal Speed Dialing confirm	3*	0-9 + #
Pickup Dialing (Hot Line) assign / set / cancel for an SLT	74	2 + phone no. / 1 / 0 + #
Redial, Last Number for an SLT	## or 80	
Room Monitor set / cancel	735	1 / 0 + #
Station Feature Clear	79	#
System Speed Dialing for an SLT	*	00-99
Timed Reminder set	76	hhmm* + (0 / 1) + (1 / 2) + #
Timed Reminder cancel / confirm	76	2 / 3 + #
Timed Reminder, Remote cancel	764	EXTN. + # + 762#
Timed Reminder, Remote check	764	EXTN. + # + 763#
Timed Reminder, Remote set	764	EXTN. + # + 76 + hhmm* + (0 / 1) + (1 / 2) + #
Time Service set / cancel	78	1-3 / 0 + #
Voice Mail Integration set / cancel	719	1-2 / 0 + #
Walking COS	7*	Extension password + EXTN. + #

\* hhmm

hh: hour (01 - 12) / mm: minute (00 - 59)

**Feature Numbers**

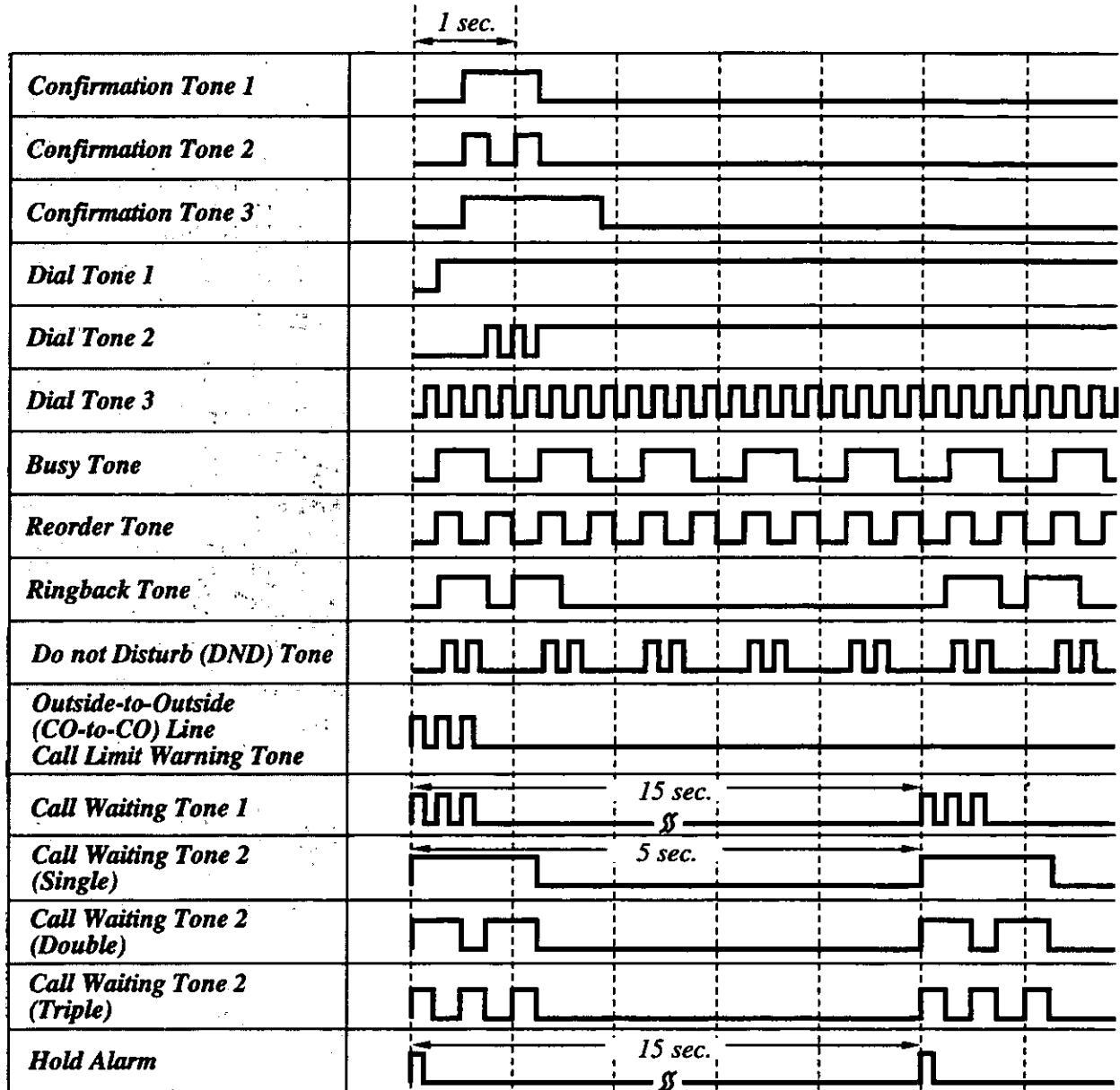
Feature	Number
<i>While a busy tone is heard</i>	
Automatic Callback Busy (Camp-On)	6
Busy Station Signaling (BSS)	2
Executive Busy Override	3
<i>While a Do Not Disturb tone is heard</i>	
Do Not Disturb (DND) Override	2
<i>During a call or while talking</i>	
Switching to Tone Alert	*
Conference	3
Door open	5
Pulse to Tone Conversion	*#
<i>When the telephone is on-hook</i>	
Background Music (BGM) on / off	1
Time (Day/Night/Lunch) mode display	#
EXTN. and extension name / Date (day/month) and time display / date (month/day/year/day of the week) display changing	*

**Conditions**

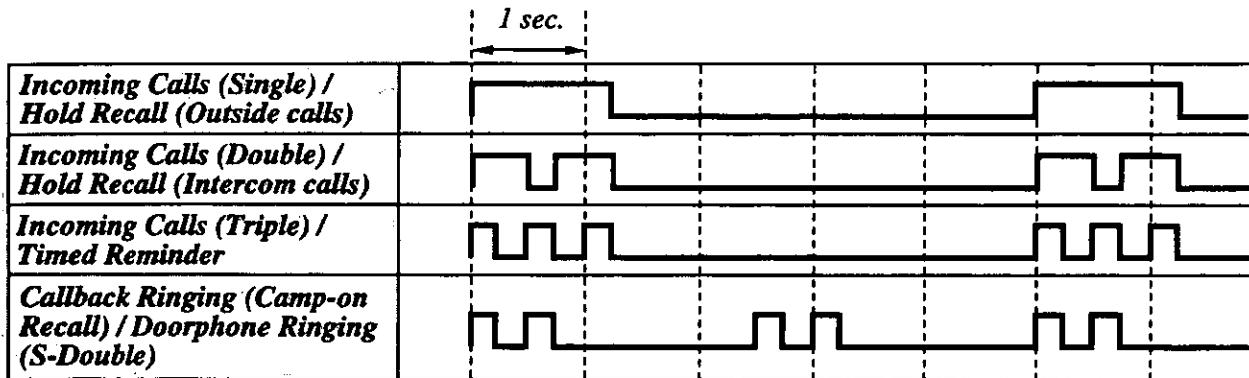
- When “\*” or “#” are included in a feature number, users with rotary telephones cannot access the feature except for the ones which can use “0” instead of “#”.

## Tone List

< TONE >



## &lt; RING TONE &gt;



## Troubleshooting

### If a power failure occurs...

Your system enables a conversation between a specific outside (CO) line and extension (Power Failure Transfer) and supports system data backup.

### Power Failure Transfer

A specific extension can be automatically connected to a specific outside (CO) line. This provides outside (CO) line calls between the following extension and outside (CO) line.

Outside (CO) line 1 is connected to extension jack number 01.

Outside (CO) line 4 is connected to extension jack number 09.

- All other conversations will be disconnected during a power failure.
- Proprietary telephones (PT) cannot be used during a power failure. A single line telephone will work in the event of a power failure. Connect the single line telephone to the above jack.
- When power is restored after a power failure, your system automatically restarts, maintaining as much of the previous system data as possible.

Problem	Probable Cause	Possible Solution
Nothing is heard in the handsfree mode.	The "Headset" mode is selected.	When the headset is not used, set the mode to "Handset". Refer to "Handset/Headset Selection" in Station Programming (Section 2), or "Initial Settings" (Section 1.1).
The unit does not ring.	<ul style="list-style-type: none"> <li>• An outside (CO) line number is not programmed.</li> <li>• The Ringer Volume is set to "OFF".</li> </ul>	<ul style="list-style-type: none"> <li>• To program outside (CO) line numbers, refer to the Installation Manual.</li> <li>• Increase the Ringer Volume. Refer to "Initial Settings" (Section 1.1).</li> </ul>
The display flashes the following message.  <b>Set Time &amp; Date</b>	The system internal clock is not working properly.	Consult with an authorized Panasonic Factory Servicenter.

**Panasonic Consumer Electronics  
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