Please read this manual before using the Advanced Hybrid System.
Thank you for purchasing this Panasonic Telephone System.

**System Components**

<table>
<thead>
<tr>
<th>Service Unit</th>
<th>Model No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>KX-TA624</td>
<td>Advanced Hybrid System (Main Unit)</td>
</tr>
<tr>
<td>Telephone</td>
<td>KX-T7020</td>
<td>EMSS Proprietary Telephone</td>
</tr>
<tr>
<td></td>
<td>KX-T7030</td>
<td>EMSS Proprietary Telephone with Display</td>
</tr>
<tr>
<td></td>
<td>KX-T7130</td>
<td>EMSS Proprietary Telephone</td>
</tr>
<tr>
<td></td>
<td>KX-T7050</td>
<td>EMSS Proprietary Telephone</td>
</tr>
<tr>
<td></td>
<td>KX-T7055</td>
<td>EMSS Proprietary Telephone</td>
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<table>
<thead>
<tr>
<th>Optional Equipment</th>
<th>Model No.</th>
<th>Description</th>
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<tbody>
<tr>
<td></td>
<td>KX-T7040</td>
<td>DSS Console</td>
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</table>

<table>
<thead>
<tr>
<th>User-supplied Equipment</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Single Line Telephones</td>
</tr>
</tbody>
</table>

---

**For your future reference**

<table>
<thead>
<tr>
<th>SERIAL NO.</th>
<th>___________________________</th>
</tr>
</thead>
<tbody>
<tr>
<td>(found on the side of the unit)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DATE OF PURCHASE</th>
<th>___________________________</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>NAME OF DEALER</th>
<th>___________________________</th>
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<table>
<thead>
<tr>
<th>DEALER’S ADDRESS</th>
<th>___________________________</th>
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<tr>
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<td></td>
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</table>

<table>
<thead>
<tr>
<th>DEALER’S TEL NO.</th>
<th>___________________________</th>
</tr>
</thead>
</table>
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.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Illustration</th>
<th>Description</th>
<th>Dimensions</th>
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<tbody>
<tr>
<td>KX-J07W/B</td>
<td></td>
<td>Handset cord</td>
<td>213.36 cm {7 feet}</td>
</tr>
<tr>
<td>KX-J15W/B</td>
<td></td>
<td></td>
<td>457.2 cm {15 feet}</td>
</tr>
<tr>
<td>KX-J25W/B</td>
<td></td>
<td></td>
<td>762 cm {25 feet}</td>
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</table>

W: White
B: Black
Introduction

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.
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

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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<tr>
<td>Live Call Screening Mode Set</td>
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</tr>
<tr>
<td>Outside (CO) Line Ringing Selection</td>
<td>2-21</td>
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<tr>
<td>Preferred Line Assignment — Incoming</td>
<td>2-22</td>
</tr>
<tr>
<td>No Line Preference — Incoming</td>
<td>2-22</td>
</tr>
<tr>
<td>Ringing Line Preference — Incoming</td>
<td>2-23</td>
</tr>
<tr>
<td>Prime Line Preference — Incoming</td>
<td>2-23</td>
</tr>
<tr>
<td>Preferred Line Assignment — Outgoing</td>
<td>2-24</td>
</tr>
<tr>
<td>No Line Preference — Outgoing</td>
<td>2-24</td>
</tr>
<tr>
<td>Idle Line Preference — Outgoing</td>
<td>2-25</td>
</tr>
<tr>
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<td>2-25</td>
</tr>
<tr>
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<td>2-26</td>
</tr>
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<td>Station Programming Data Default Set</td>
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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.

<table>
<thead>
<tr>
<th></th>
<th>KX-T7020</th>
<th>KX-T7030</th>
<th>KX-T7130</th>
<th>KX-T7050</th>
<th>KX-T7055</th>
</tr>
</thead>
<tbody>
<tr>
<td>Display</td>
<td>None</td>
<td>16 char./line</td>
<td>16 char./line</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Speakerphone</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Monitor only</td>
<td>Monitor only</td>
</tr>
<tr>
<td>CO Buttons</td>
<td>12</td>
<td>12</td>
<td>12</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Programmable Feature Buttons</td>
<td>4</td>
<td>4</td>
<td>12</td>
<td>4</td>
<td>3</td>
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<tr>
<td>Fixed Feature Buttons</td>
<td>Refer to the “Fixed Buttons” (1.1 Configuration) section.</td>
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</table>
1.1 Configuration

Location of Controls

KX-T7020

MESSAGE Button  FWD/DND Button  CONF Button  INTERCOM Button

Programmable Feature Buttons

Flexible CO Buttons

TRANSFER Button  PAUSE Button  AUTO DIAL/STORE Button  AUTO ANSWER/MUTE Button

SP-PHONE Button

<Side View>

HANDSET VOLUME Selector — Adjusts the volume level of the handset.
RINGER VOLUME Selector — Adjusts the volume level of the ringer.
VOLUME Control — Adjusts the volume level of the speaker volume.

<Back View>

MEMORY Switch — Set to “SET”. For station programming, set to “PROGRAM”.

Connects to a handset.

Connects to the KX-TA624 System.

Connects to the KX-TA624 System.

MEMORY Switch — Set to “SET”. For station programming, set to “PROGRAM”.

Set to “SET”. For station programming, set to “PROGRAM”.

Connects to the KX-TA624 System.

MEMORY Switch — Set to “SET”. For station programming, set to “PROGRAM”.

Connects to the KX-TA624 System.
1.1 Configuration

- **KX-T7030**

  MESSAGE Button
  
  FWD/DND Button
  
  CONF Button
  
  INTERCOM Button

  (Back View) — See the diagram below.

  **Programmable Feature** Buttons

  LCD (Liquid Crystal Display)

  Flexible CO Buttons

  TRANSFER Button

  PAUSE Button

  AUTO DIAL/STORE Button

  AUTO ANSWER/MUTE Button

  REDIAL Button

  FLASH Button

  HOLD Button

  SP-PHONE Button

  **<Side View>**

  **HANDSET VOLUME** Selector
  — Adjusts the volume level of the handset.

  **RINGER VOLUME** Selector — Adjusts the volume level of the ringer.

  **VOLUME** Control — Adjusts the volume level of the speaker volume.

  **<Back View>**

  Connects to a handset or headset.

  **MEMORY** Switch
  — Set to “SET”. For station programming, set to “PROGRAM”.

  **HANDSET/HEADSET** Selector
  — Set to “HANDSET”. To connect the headset, set to “HEADSET”.

  **CONTRAST** Selector — Adjusts the contrast of the Liquid Crystal Display.
1.1 **Configuration**

**KX-T7130**

- **MESSAGE** Button
- **SAVE** Button
- **FWD/DND** Button
- **CONF** Button
- **INTERCOM** Button

(Back View) — See the diagram below.

*Programmable Feature* Buttons

- **LCD** (Liquid Crystal Display)
- **REDIAL** Button
- **FLASH** Button
- **HOLD** Button
- **SP-PHONE** Button

*Flexible CO* Buttons

- **TRANSFER** Button
- **PAUSE** Button
- **AUTO DIAL/STORE** Button
- **AUTO ANSWER/MUTE** Button

*<Side View>*

- **HANDSET VOLUME** Selector — Adjusts the volume level of the handset.
- **RINGER VOLUME** Selector — Adjusts the volume level of the ringer.

- **VOLUME** Control — Adjusts the volume level of the speaker volume.

*<Back View>*

- **MEMORY** Switch — Set to “SET”. For station programming, set to “PROGRAM”.
- **HANDSET/HEADSET** Selector — Set to “HANDSET”. To connect the headset, set to “HEADSET”.

- **CONTRAST** Selector — Adjusts the contrast of the Liquid Crystal Display.

Connects to the KX-TA624 System.

**MEMORY CONTRAST**

Connects to the KX-T7130.

**TO EMSS**
1.1 Configuration

- KX-T7050

MESSAGE Button
INTERCOM Button
REDIAL Button
FLASH Button
HOLD Button
MONITOR Button

(Back View) — See the diagram below.

Programmable Feature Buttons
Flexible CO Buttons
TRANSFER Button
PAUSE Button
AUTO DIAL/STORE Button
CONF Button

SAME VOLUME

<Side View>

HANDSET VOLUME Selector
— Adjusts the volume level of the handset.
RINGER VOLUME Selector — Adjusts the volume level of the ringer.
VOLUME Control — Adjusts the volume level of the speaker volume.

<Back View>

MEMORY Switch — Set to “SET”. For station programming, set to “PROGRAM”.

Connects to the KX-TA624 System.

Connects to the KX-TA624 System.

Connects to a handset.
1.1 Configuration

**KX-T7055**

(Back View) — See the diagram below.

**Programmable Feature Buttons**

INTERCOM Button

REDIAL Button

FLASH Button

HOLD Button

MONITOR Button

Flexible CO Buttons

TRANSFER Button

PAUSE Button

AUTO DIAL/STORE Button

CONF Button

**<Side View>**

HANDSET VOLUME Selector — Adjusts the volume level of the handset.

RINGER VOLUME Selector — Adjusts the volume level of the ringer.

VOLUME Control — Adjusts the volume level of the speaker volume.

**<Back View>**

MEMORY Switch — Set to “SET”. For station programming, set to “PROGRAM”.

Connects to a handset.

Connects to the KX-TA624 System.

Connects to the KX-T7055.
1.1 Configuration

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.

<table>
<thead>
<tr>
<th>Feature Button</th>
<th>T7020</th>
<th>T7030</th>
<th>T7130</th>
<th>T7050</th>
<th>T7055</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO ANSWER/MUTE</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td></td>
<td>✔</td>
</tr>
<tr>
<td>AUTO DIAL/STORE</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>CONF</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>FLASH</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>FWD/DND</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>HOLD</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>INTERCOM</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>MESSAGE</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>MONITOR</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>PAUSE</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>REDIAL</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>SAVE</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>SP-PHONE</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>TRANSFER</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
</tbody>
</table>

“✔” indicates the button is available.

✦: The button is not provided with an LED (Light Emitting Diode).
1.1 Configuration

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 hands-free 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 hands-free speakerphone operation.

**TRANSFER Button**
Transfers a call to another extension or external destination.
1.1 Configuration

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.

<table>
<thead>
<tr>
<th>Feature (Buttons)</th>
<th>CO</th>
<th>DSS</th>
<th>PF</th>
<th>MESSAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single-CO (S-CO)</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Group-CO (G-CO)</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other-CO (O-CO)</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Caller ID Indication</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Caller ID Selection</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Conference (CONF)</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FWD/DND</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Log-In/Log-Out</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SAVE</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Day</td>
<td></td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lunch</td>
<td></td>
<td></td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Night</td>
<td></td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Station Lock</td>
<td></td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Message Waiting (MESSAGE)</td>
<td></td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Live Call Screening (LCS)†</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LCS Cancel†</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Voice Mail Transfer†</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DSS</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>One-Touch Dialing</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

“✓” indicates that the feature is available.

† Available when the KX-TA624 is connected to a Proprietary Telephone capable Panasonic Voice Processing System (one that supports APT Integration; KX-TVS50).
1.1 Configuration

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
1.1 Configuration

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
1.1 Configuration

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.
1.1 Configuration

Volume Control — Handset Receiver/Headset/Ringer/Speaker

Allows you to adjust the following volume settings as necessary.
- Handset Receiver volume
- Headset volume
- Ringer volume
- Speaker volume

To adjust the handset receiver volume

Adjust the HANDSET VOLUME lever to the desired setting (three levels from NORMAL to HIGH).

To adjust the headset volume

Be sure the headset is connected.

Adjust the HANDSET VOLUME lever to the desired setting (three levels from NORMAL to HIGH).

To adjust the ringer volume

Adjust the RINGER Volume lever to the desired setting (OFF/LOW/HIGH).

To adjust the speaker volume

Adjust the VOLUME Control lever to the desired setting (MAX to MIN).
1.1 Configuration

LED Indication

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

Flashing light patterns

<table>
<thead>
<tr>
<th>Lighting Pattern</th>
<th>Intercom Line Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flashing slowly (60 flash/min)</td>
<td>Idle</td>
</tr>
<tr>
<td>Flashing moderately (120 flash/min)</td>
<td>Intercom call / Conference established</td>
</tr>
<tr>
<td>Flashing rapidly (240 flash/min)</td>
<td>Intercom call hold</td>
</tr>
<tr>
<td>Flashing rapidly (240 flash/min)</td>
<td>Intercom call exclusive hold</td>
</tr>
<tr>
<td>Flashing rapidly (240 flash/min)</td>
<td>Incoming intercom/doorphone call</td>
</tr>
</tbody>
</table>

LED Indication on the INTERCOM Button

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

<table>
<thead>
<tr>
<th>INTERCOM button</th>
<th>Intercom Line Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Off</td>
<td>Idle</td>
</tr>
<tr>
<td>Green On</td>
<td>Intercom call / Conference established</td>
</tr>
<tr>
<td>Flashing Green Slowly</td>
<td>Intercom call hold</td>
</tr>
<tr>
<td>Flashing Green Moderately</td>
<td>Intercom call exclusive hold</td>
</tr>
<tr>
<td>Flashing Green Rapidly</td>
<td>Incoming intercom/doorphone call</td>
</tr>
</tbody>
</table>

LED Indication on the CO Button

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

<table>
<thead>
<tr>
<th>CO Button</th>
<th>Outside (CO) Line Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Off</td>
<td>Idle</td>
</tr>
<tr>
<td>Green On</td>
<td>You are using the line.</td>
</tr>
<tr>
<td>Flashing Green Slowly</td>
<td>You have a held call or Hold Recall</td>
</tr>
<tr>
<td>Flashing Green Moderately</td>
<td>You have one of the following:</td>
</tr>
<tr>
<td></td>
<td>(1) exclusive hold, (2) outside-to-outside (CO-to-CO) line call, or (3) Conference, Unattended.</td>
</tr>
<tr>
<td>Flashing Red Rapidly</td>
<td>Incoming call</td>
</tr>
<tr>
<td>Red On</td>
<td>Other-use</td>
</tr>
<tr>
<td>Flashing Red Slowly</td>
<td>Other-hold*</td>
</tr>
</tbody>
</table>

— 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

2.1 Station Programming Instructions ................................... 2-2
2.2 Station Programming (Personal Programming) (A-Z) ... 2-6

<Note>
All illustrations used in these operating instructions are based on the KX-T7130 model.
2.1 Station Programming Instructions

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? →](image)

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

Be sure the telephone is idle and on-hook.

Set the MEMORY switch to “PROGRAM”.

To exit the Station Programming mode

When the display shows the initial programming mode

Programming is completed and the normal call operation resumes.

Set the MEMORY switch to “SET”.

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.
To confirm the assigned data

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

Enter the program access number.*

- 1: Preferred Line Assignment — Outgoing
- 2: Preferred Line Assignment — Incoming
- 3: Outside (CO) Line Ringing Selection
- 4: Intercom Alert Assignment
- 5: Call Waiting Tone Type Assignment
- 6: Self-Extension Number Confirmation (KX-T7030 and KX-T7130 only)
- 7: Extension Password Set (Manager only)
- 0: Date and Time Setting (Operator/Manager only)

— 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.
2.1 Station Programming Instructions

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”.

<table>
<thead>
<tr>
<th>PT</th>
<th>HOLD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Press the desired Flexible button.</td>
<td>Press HOLD.</td>
</tr>
</tbody>
</table>

• The display shows the current status. • The display shows the initial programming mode.

— 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”.

<table>
<thead>
<tr>
<th>PT</th>
<th>AUTO DIAL</th>
<th>STORE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Press the desired Flexible button that you wish to clear.</td>
<td>Dial 2.</td>
<td>Press STORE.</td>
</tr>
</tbody>
</table>

• The STORE indicator lights. • The display shows the initial programming mode.

— 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.
2.1 **Station Programming Instructions**

**Station Programming Outline**

- **(Station Programming)**
  - DSS
  - MESSAGE
  - CO
  - PF
  - DSS
  - MESSAGE

- **Direct Station Selection (DSS) Button**
- **One-Touch Dialing Button**
- **Conference (CONF) Button**
- **FWD/DND Button**
- **SAVE Button**
- **Caller ID Indication Button**
- **Caller ID Selection Button**
- **Log-In/Log-Out Button**
- **Live Call Screening (LCS) Button**
- **Live Call Screening (LCS) Cancel Button**
- **Voice Mail (VM) Transfer Button**
- **Single-CO (S-CO) Button**
- **Other-CO (O-CO) Button**
- **Group-CO (G-CO) Button**
- **One-Touch Dialing Button**
- **Day Button**
- **Night Button**
- **Lunch Button**
- **Station Lock Button**
- **Return to the MESSAGE Button**

- **Set**
  - **Program**
  - **Memory**

- **† Available when the KX-TA624 is connected to a Proprietary Telephone capable Panasonic Voice Processing System (one that supports APT Integration; KX-TVS50).**
- **‡ See the “DSS Console Features” (Section 4.2).**
- **§ See the “Operator/Manager Service Features” (Section 3.3).**
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”.

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”.

<table>
<thead>
<tr>
<th>PT</th>
</tr>
</thead>
<tbody>
<tr>
<td>CO</td>
</tr>
<tr>
<td>6</td>
</tr>
</tbody>
</table>

Press the desired Flexible CO button you wish to assign as the Caller ID Indication button.

Dial 6.

Press STORE.

AUTO DIAL

STORE

• The STORE indicator lights.
• The display shows the initial programming mode.

— 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”.

![PT](PT-Caller-ID-Selection.png)

Press the desired Flexible CO button you wish to assign as the Caller ID Selection button.

Dial 7.

Press STORE.

**<PT Display Example>**

CID Selection

• The STORE indicator lights.
• The display shows the initial programming mode.

— 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”.

![PT](PT-Conference.png)

Press the desired Flexible CO button you wish to assign as the Conference button.

Dial 3.

Press STORE.

**<PT Display Example>**

Conference

• The STORE indicator lights.
• The display shows the initial programming mode.

— 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”.

Condition

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

Feature Reference

Intercom Calling
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”.

![PT Diagram]

Press the desired Flexible CO button you wish to assign as the FWD/DND button.

Dial 4.

Press STORE.

- The STORE indicator lights.
- The display shows the initial programming mode.

<PT Display Example>

FWD/DND

— 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”.

![PT Diagram]

Press the desired Flexible CO button you wish to assign as a G-CO button.

Dial #.

Press STORE.

- The STORE indicator lights.
- The display shows the initial programming mode.

<PT Display Example>

TRK GRP-

<PT Display Example>

TRK GRP-

outside (CO) line group number

- To erase an incorrect entry, press the TRANSFER (CLEAR) button.
  (The TRANSFER button becomes the CLEAR button during programming.)

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

2-10 Station Programming (Personal Programming)
2.2 Station Programming (Personal Programming)

Live Call Screening (LCS) Button (Assignment)†

Allows you to assign a Flexible CO button as the Live Call Screening (LCS) button.

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

- Press the desired Flexible button you wish to assign as the Live Call Screening button.
- Dial 92.
- Press STORE.

- The STORE indicator lights.
- The display shows the initial programming mode.

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

Feature Reference

Live Call Screening (LCS)

† Available when the KX-TA624 is connected to a Proprietary Telephone capable Panasonic Voice Processing System (one that supports APT Integration; KX-TVS50).
2.2 Station Programming (Personal Programming)

Live Call Screening (LCS) Cancel Button (Assignment)†

Allows you to assign a Flexible CO button as the Live Call Screening (LCS) Cancel button.

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

Press the desired Flexible button you wish to assign as the Live Call Screening Cancel button.

Dial 93.

Press STORE.

<PT Display Example>

LCS Cancel

• The STORE indicator lights.
• The display shows the initial programming mode.

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

Feature Reference

Live Call Screening (LCS)

† Available when the KX-TA624 is connected to a Proprietary Telephone capable Panasonic Voice Processing System (one that supports APT Integration; KX-TVS50).
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”.

<table>
<thead>
<tr>
<th>PT</th>
<th>CO</th>
<th>8</th>
<th>AUTO DIAL</th>
<th>STORE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Press the desired Flexible CO button you wish to assign as the Log-In/Log-Out button.</td>
<td>Dial 8.</td>
<td>Press STORE.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*<PT Display Example>*

Group Log In/Out

• The STORE indicator lights.
• The display shows the initial programming mode.

— 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”.

<table>
<thead>
<tr>
<th>PT</th>
<th>AUTO DIAL</th>
<th>STORE</th>
</tr>
</thead>
<tbody>
<tr>
<td>CO</td>
<td>No</td>
<td>MESSAGE</td>
</tr>
<tr>
<td>PF</td>
<td>+ 2</td>
<td>desired number</td>
</tr>
</tbody>
</table>

Press the desired Flexible button you wish to assign as a One-Touch Dialing button and dial 2, or press the desired PF button.

Enter the desired number (extension number, phone number, etc.).

Press STORE.

- The STORE indicator lights.
- The display shows the initial programming mode.

• Up to 24 digits can be stored.
• To erase an incorrect entry, press the TRANSFER (CLEAR) button. (The TRANSFER button becomes the CLEAR button during programming.)

— 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 twenty-four 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 twenty-five 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”.

![Diagram of PT operation]

- Press the desired Flexible CO button you wish to assign as the O-CO button.
- Dial *. 
- Press STORE.

**<PT Display Example>**

- The STORE indicator lights.
- The display shows the initial programming mode.

— 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”.

![Diagram of PT operation]

- Press the MESSAGE button you wish to restore.
- Dial 3.
- Press STORE.

**<PT Display Example>**

- The STORE indicator lights.
- The display shows the initial programming mode.

— 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”.

<table>
<thead>
<tr>
<th>PT</th>
<th>CO</th>
<th>5</th>
<th>AUTO DIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>STORE</td>
</tr>
</tbody>
</table>

Press the desired Flexible CO button you wish to assign as the SAVE button. Dial 5. Press STORE.

<PT Display Example>

Save Button

• The STORE indicator lights.
• The display shows the initial programming mode.

— 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)

Voice Mail (VM) Transfer Button (Assignment)†

Allows you to assign a Flexible CO button as the VM Transfer button.

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

<table>
<thead>
<tr>
<th>Press the desired Flexible button</th>
<th>Dial 94.</th>
<th>Enter the Voice Mail extension number.</th>
<th>Press STORE.</th>
</tr>
</thead>
<tbody>
<tr>
<td>you wish to assign as the VM Transfer button.</td>
<td></td>
<td></td>
<td>• The STORE indicator lights.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• The display shows the initial programming mode.</td>
</tr>
</tbody>
</table>

<PT Display Example>

VTR

Voice Mail extension number

• To erase an incorrect entry, press the TRANSFER (CLEAR) button. (The TRANSFER button becomes the CLEAR button during programming.)

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

Condition

• You cannot enter a non-existent extension number.
• A voice mail extension number must be assigned by System Programming.

Feature Reference

Voice Mail Transfer

† Available when the KX-TA624 is connected to a Proprietary Telephone capable Panasonic Voice Processing System (one that supports APT Integration; KX-TVS50).
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”.

<table>
<thead>
<tr>
<th>PT</th>
<th>4</th>
<th>1 or 2</th>
<th>AUTO DIAL STORE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dial 4.</td>
<td>Dial 1 or 2. 1: to select the Ring-Calling (Tone Call) mode 2: to select the Voice-Calling mode</td>
<td>Press STORE.</td>
<td></td>
</tr>
</tbody>
</table>

• The STORE indicator lights.
• The display shows the initial programming mode.

<PT Display Example>
• When Ring-Calling (Tone Call) mode is selected; Tone Call
• When Voice-Calling mode is selected; Voice Call

— 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)

Live Call Screening Mode Set†

Assign whether the recording message is monitored through the built-in speaker (Hands-free mode) or an alert tone is sent (Private mode) while incoming callers are leaving a message.

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

- The display shows the current status.

<PT Display Example>
- When the Hands-free mode is selected;
  Hands-free
- When the Private mode is selected;
  Private

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

Condition
- The default is the “Hands-free” mode.

Feature Reference
Live Call Screening (LCS)

† Available when the KX-TA624 is connected to a Proprietary Telephone capable Panasonic Voice Processing System (one that supports APT Integration; KX-TVS50).
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”.

PT

Dial 3. Enter the outside (CO) line numbers you want to ring (1 through 6).

<PT Display Example>

RNG:1, 2, 3, 4, 5, 6

Press STORE.

— 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”.

---

<PT Display Example>

Pref. In : No

---

Dial 2.

Dial 1.

Press STORE.

AUTO DIAL

STORE

• The display shows the current status.

• The STORE indicator lights.

• The display shows the initial programming mode.
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”.

<table>
<thead>
<tr>
<th>PT</th>
<th>Dial 2.</th>
<th>Dial 2.</th>
<th>AUTO DIAL STORE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Press STORE.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- The display shows the current status.
- The STORE indicator lights.
- The display shows the initial programming mode.

<PT Display Example>

Pref. In :Ring

— 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”.

<table>
<thead>
<tr>
<th>PT</th>
<th>Dial 2.</th>
<th>Dial 3.</th>
<th>outside (CO) line no.</th>
<th>AUTO DIAL STORE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Press STORE.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- The display shows the current status.
- The STORE indicator lights.
- The display shows the initial programming mode.

<PT Display Example>

Pref. In :CO-x

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

Station Programming (Personal Programming) 2-23
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”.

<table>
<thead>
<tr>
<th>PT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
</tr>
</tbody>
</table>

Dial 1. Dial 1.

Press STORE.

<PT Display Example>

Pref. Out: No

• The display shows the current status.

• The STORE indicator lights.
• The display shows the initial programming mode.

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

<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.
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”.

![Diagram showing steps for setting idle line preference](image1)

• The display shows the current status.

<PT Display Example>

Pref. Out: Idle

— 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”.

![Diagram showing steps for setting prime line preference](image2)

Dial 1.

Dial 3.

outside line (CO) no.

• The display shows the current status.

<PT Display Example>

Pref. Out : CO-x

outside (CO) line number

• The STORE indicator lights.  
• The display shows the initial programming mode.

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

Station Programming (Personal Programming) 2-25
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”.

1. **Dial 6.**
2. **Press HOLD.**

• The display shows your jack and extension number.

<PT Display Example>

Jack01<=>EXT101

• The display shows the initial programming mode.

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

---

*Station Programming (Personal Programming)*

2-26
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: Ring-Calling (Tone Call))

c) Outside (CO) Line Ringing Selection (default: Ring – all outside (CO) lines)

d) Preferred Line Assignment — Incoming (default: Ringing Line Preference)

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”.

PT

Dial # ×.

• The display shows your jack and extension number.

<PT Display Example>

Function Clear

AUT0 DIAL

Press STORE.

• The STORE indicator lights.

• The display shows the initial programming mode.

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

Condition

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

Feature References

Hands-free Answerback

Room Monitor
Section 3

Telephone Features

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   Receiving Calls ............................................................ 3-3

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3.3 Operator/Manager Service Features
   (— for an Operator and Manager only) ............................. 3-119

<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.
3.1 Basic Operations

Making Calls

Intercom Calling

Allows you to make a call to another extension.

Intercom Calling

PT and SLT

Lift the handset or press SP-PHONE/MONITOR.

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

Outward Dialing

PT and SLT

Lift the handset or press SP-PHONE/MONITOR.

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

Outside line dial tone

Dial the phone number.

Conditions

• There are three types of Line Preference for outgoing calls (— Idle Line/No Line/Prime Line). Each preference can be selected by Station Programming.

• Helpful hints for the Hands-free (speakerphone) operation are noted in the “Hands-free Operation” feature.

• 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
3.1 Basic Operations

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

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

Receiving Calls

<table>
<thead>
<tr>
<th>PT and SLT</th>
<th>PT</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Handset" /></td>
<td><img src="image" alt="CO or INTERCOM" /></td>
</tr>
<tr>
<td>Lift the handset or press SP-PHONE.</td>
<td>Press a rapidly flashing CO or INTERCOM.</td>
</tr>
<tr>
<td><img src="image" alt="The CO or INTERCOM indicator light turns steady green." /></td>
<td></td>
</tr>
</tbody>
</table>

Conditions

- There are three types of Line Preference for incoming calls (— No Line/Prime Line/Ringing Line). Each preference can be selected by Station Programming.
- Helpful hints for the Hands-free (speakerphone) operation are noted in the “Hands-free 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
- Hands-free 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.

<table>
<thead>
<tr>
<th>Message No.</th>
<th>Message</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Will Return Soon</td>
</tr>
<tr>
<td>2</td>
<td>Gone Home</td>
</tr>
<tr>
<td>3</td>
<td>At Ext %%% Extension number</td>
</tr>
<tr>
<td>4</td>
<td>Back at %:% AM (or PM)</td>
</tr>
<tr>
<td>5</td>
<td>Out until %/% Day Month</td>
</tr>
<tr>
<td>6</td>
<td>In a Meeting</td>
</tr>
</tbody>
</table>

Note: Enter the desired value in the “%” space. You must make an entry in all of the %s using 0 through 9.
3.2 Telephone Features

Setting

Message 1. “Will Return Soon”

Any Telephone

Lift the handset or press SP-PHONE/MONITOR.

7 5 1 #

Dial 751#.

Confirmation 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.

7 5 2 #

Dial 752#.

Confirmation 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.

7 5 3

Dial 753.

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

#

Dial #.

Confirmation 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.

7 5 4

Dial 754.

Enter the hour (01 through 12) and minute (00 through 59).

0 or 1

Dial 0 or 1. 0: for AM 1: for PM

#

Dial #.

Confirmation tone

Hang up or press SP-PHONE/MONITOR.

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

Telephone Features
3.2 Telephone Features

Message 5. “Out until %/% / %/%” (month/day)

<table>
<thead>
<tr>
<th>Any Telephone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lift the handset or press SP-PHONE/MONITOR.</td>
</tr>
<tr>
<td>7</td>
</tr>
<tr>
<td>Dial 755.</td>
</tr>
<tr>
<td>Enter the month (01 through 12) and day (01 through 31).</td>
</tr>
<tr>
<td>Dial#. Confirmation tone and dial tone</td>
</tr>
<tr>
<td>Hang up or press SP-PHONE/MONITOR.</td>
</tr>
</tbody>
</table>

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

Message 6. “In a Meeting”

<table>
<thead>
<tr>
<th>Any Telephone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lift the handset or press SP-PHONE/MONITOR.</td>
</tr>
<tr>
<td>7</td>
</tr>
<tr>
<td>Dial 756#.</td>
</tr>
<tr>
<td>Confirmation tone and dial tone</td>
</tr>
<tr>
<td>Hang up or press SP-PHONE/MONITOR.</td>
</tr>
</tbody>
</table>

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

Canceling

<table>
<thead>
<tr>
<th>Any Telephone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lift the handset or press SP-PHONE/MONITOR.</td>
</tr>
<tr>
<td>7</td>
</tr>
<tr>
<td>Dial 750#.</td>
</tr>
<tr>
<td>Confirmation tone and dial tone</td>
</tr>
<tr>
<td>Hang up or press SP-PHONE/MONITOR.</td>
</tr>
</tbody>
</table>

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

Condition

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

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 a pre-assigned account code.
Verify - Toll mode: You can enter a pre-assigned account code so that you can 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

PT and SLT

<table>
<thead>
<tr>
<th>Lift the handset or press SP-PHONE/MONITOR.</th>
<th>Press CO or enter a line access code (9 or 81 through 86).</th>
<th>For a PT: Press FWD/DND or PAUSE. For an SLT: Dial 49 or ✷✦.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dial tone 3</td>
<td>Enter an account code (4 digits).</td>
<td>Phone no.</td>
</tr>
<tr>
<td>Account code</td>
<td>Dial tone</td>
<td></td>
</tr>
</tbody>
</table>

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

PT

During a conversation or while hearing a reorder tone after the other party hangs up (within 30 seconds)

Press FWD/DND. Enter an account code (4 digits).

• You can keep talking.
Conditions

• In the Verify-All mode, 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 an 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 Verify-Toll mode, you can enter a pre-assigned account code only when you need to override toll restriction.
• 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”). To store an account code, “* *” must be entered before the account code. Example (Pickup Dialing):
• If an entered account code does not match the pre-assigned account code in the verify-all mode, when making an outside call, a reorder tone is heard.
• 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 Account Codes
3.2 Telephone 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

Press the CO which is flashing red rapidly.

• The indicator light turns green and a hands-free conversation is established.

Conditions

• Specify which line is connected when multiple incoming outside calls arrive at the same time.
• 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.
• 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

Hands-free Operation
3.2 Telephone Features

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

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

Answering an outside (CO) line recall

Any Telephone

If you hear the telephone ringing

Lift the handset or press SP-PHONE/MONITOR.
Dial tone
Enter the phone number.

<PT Display Example>

CO x Free
outside (CO) line number

Canceling

Any Telephone

Lift the handset or press SP-PHONE/MONITOR.

Condition

• If you do not answer within 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, can be connected. The music stops whenever a call comes in, a page comes in, or you go off-hook.

Setting / Canceling

<table>
<thead>
<tr>
<th>PT</th>
</tr>
</thead>
<tbody>
<tr>
<td>When the handset is on the cradle and the SP-PHONE/MONITOR button is off</td>
</tr>
</tbody>
</table>

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
3.2 Telephone Features

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
  - Dial 1
    - Wait for an answer and talk.

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.

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Call Forwarding — All Calls</td>
<td>All incoming calls are forwarded to another extension.</td>
</tr>
<tr>
<td>Call Forwarding — Busy/No Answer</td>
<td>All incoming calls are forwarded to another extension when you do not answer or your extension is busy.</td>
</tr>
<tr>
<td>Call Forwarding — to Outside (CO) Line</td>
<td>All incoming calls are forwarded to an outside (CO) line.</td>
</tr>
<tr>
<td>Call Forwarding — Follow Me</td>
<td>Allows you to set the “Call Forwarding — All Calls” feature from another extension.</td>
</tr>
</tbody>
</table>

Note: You can also set Voice Mail as the forwarding destination. Refer to “Voice Mail Integration for KX-TVS50/KX-TVS75/KX-TVS100” 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**

- A flexible CO button on the KX-T7050 and KX-T7055 (no FWD/DND button provided) can be assigned as the FWD/DND button.
- 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
- 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 for KX-TVS50/KX-TVS75/KX-TVS100

**Call Forwarding — All Calls**

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

**Setting**

- Lift the handset or press SP-PHONE/MONITOR.
- For a PT: Press FWD/DND.
- For an SLT: Dial 71.
- Dial 1.
- Enter the destination extension number (100 through 199).
- Dial #.
- 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(All) Ext:xxx
```

extension number where the call is to be forwarded

- 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**

**PT and SLT**

Lift the handset or press SP-PHONE/MONITOR.

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

Dial 2. Enter the destination extension number (100 through 199).
Dial #.

Hang up or press SP-PHONE/MONITOR.

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

**Programming Reference**

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

Call Forwarding — to an Outside (CO) Line

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

Setting

<table>
<thead>
<tr>
<th>PT and SLT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lift the handset or press SP-PHONE/MONITOR. For a PT: Press FWD/DND. For an SLT: Dial 71. Dial 3. Enter the line access code (9 or 81 through 86). Enter the phone number. Dial #. Confirmation tone and dial tone. Hang up or press SP-PHONE/MONITOR.</td>
</tr>
</tbody>
</table>

〈PT Display Example〉

- When you dial line access code “9”:
  
  FWD(All) All COs

- When you dial line access code “81 through 86”:
  
  FWD(All) CO Gx

  outside (CO) line group number

- The FWD/DND indicator light flashes red slowly.

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 minutes). 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 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

<table>
<thead>
<tr>
<th>PT and SLT</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>At the destination extension</strong></td>
</tr>
<tr>
<td><img src="image" alt="Diagram" /></td>
</tr>
<tr>
<td>Lift the handset or press SP-PHONE/MONITOR.</td>
</tr>
<tr>
<td>For a PT: Press FWD/DND. For an SLT: Dial 71.</td>
</tr>
<tr>
<td>Dial 5. Enter your extension number (100 through 199).</td>
</tr>
<tr>
<td>Dial #. Confirmation tone and dial tone</td>
</tr>
<tr>
<td>Hang up or press SP-PHONE/MONITOR.</td>
</tr>
</tbody>
</table>

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

<PT Display Example>

**FWD (From) Ext.xxx**

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**

**Call Forwarding — CANCEL**

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

*Canceling 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.

- Dial 0.
- Dial #.
- Dial the extension number.
- Confirm tone and dial tone
- Lift the handset or press SP-PHONE/MONITOR.
- Hang up or press SP-PHONE/MONITOR.

<PT Display Example>

FWD/DND Cancel

- The FWD/DND indicator light turns off.
- Single line telephone users can dial “0” instead of “#”.

*Canceling 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.
- Dial 8.
- Enter your extension number.
- Dial #.
- Confirm tone and dial tone
- Lift the handset or press SP-PHONE/MONITOR.
- Hang up or press SP-PHONE/MONITOR.

<PT Display Example>

FWD/DND Cancel

- The FWD/DND indicator light turns off at your extension.
- Single line telephone users can dial “0” instead of “#”.

---

*Telephone Features* 3-19
Call Hold

Allows you to place a call on hold.

**To place a call on hold**

<table>
<thead>
<tr>
<th>PT</th>
<th>SLT</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>During a conversation</strong></td>
<td><strong>During a conversation</strong></td>
</tr>
<tr>
<td>Press HOLD.</td>
<td>Flash the hookswitch.</td>
</tr>
<tr>
<td>Confirmation tone and dial tone</td>
<td>Confirmation tone and dial tone</td>
</tr>
<tr>
<td>• You may replace the handset.</td>
<td>• You may replace the handset.</td>
</tr>
<tr>
<td>• The corresponding CO or INTERCOM indicator light flashes green slowly.</td>
<td></td>
</tr>
</tbody>
</table>

**Retrieving a call on hold**

<table>
<thead>
<tr>
<th>PT</th>
<th>SLT</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>At the holding extension</strong></td>
<td><strong>At the holding extension</strong></td>
</tr>
<tr>
<td>Press the CO or INTERCOM which is flashing green slowly.</td>
<td>Flash the hookswitch.</td>
</tr>
<tr>
<td>• The CO or INTERCOM indicator light turns steady green.</td>
<td>• If the handset is replaced, just off-hook to retrieve the call.</td>
</tr>
</tbody>
</table>
3.2 Telephone Features

**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 seconds), “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 doophone call.
- With outside calls, you can put multiple calls on hold. However, with intercom calls, you can put only one call on hold. One way around this is to use the Call Park feature. See page 3-30.
- If a call is placed on hold for more than the programmed time, ringing or an alarm tone will be heard (Hold Recall/Hold Alarm) and the following displays will be shown. While the alarm tone is being sent, the LCD will flash.
  - Example:
    - When holding extension 111, Mr. Brown: “111: Brown” will be displayed.
    - When holding outside (CO) line, CO 1: “Call on CO 1” will be displayed.
- If “Hold-2” or “Hold-3” is assigned by System Programming, you must dial “20” after flashing the hookswitch.
- 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

**During a conversation**

- Press HOLD.
- Press HOLD again.

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

Retrieving a call on exclusive hold

- Press the CO or INTERCOM which is on exclusive hold.

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

Conditions

- If a held call is not retrieved within a pre-determined time (default: 30 seconds), Hold Alarm/Hold Recall occurs.
- If an outside call is placed on hold and not retrieved within thirty minutes, it will be automatically disconnected.
- 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

Call Hold Retrieve

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

Retrieving an outside call on hold

Any Telephone

At the other extension

Lift the handset or press SP-PHONE/MONITOR.

Dial 53.

Enter the held outside (CO) line number (1 through 6).

CO indicator light turns steady green.

PT

At the other extension

Press the CO whose indicator is flashing red slowly.

• The CO indicator light turns steady green.

Retrieving an intercom call on hold

Any Telephone

At the other extension

Lift the handset or press SP-PHONE/MONITOR.

Dial 5.

Enter the holding extension number (100 through 199).

Confirmation tone

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)

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.

```
JOHN WHITE  (caller’s name)

0111111111  (caller’s telephone number)

Call on CO 1  (CO number)
```

1. Lift the handset or press the SP-PHONE button.

2. Press the Caller ID Selection button to see other information.

```
JOHN WHITE  (caller’s name)

0111111111  (caller’s telephone number)

CO 2  0:01’52  (call duration)
```

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.
### 3.2 Telephone Features

**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

PT

Lift the handset or press SP-PHONE.
Dial 7371.
Dial #.
Confirmation tone and dial tone
Hang up or press SP-PHONE.

<PT Display Example>
Incoming Log On

Disregarding the 21st call

PT

Lift the handset or press SP-PHONE.
Dial 7370.
Dial #.
Confirmation tone and dial tone
Hang up or press SP-PHONE.

<PT Display Example>
Incoming Log Off
3.2 Telephone Features

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.
   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.

```
01:011111111
```

- 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 “OUT OF AREA” is displayed, the call may be from out of the calling area.
- If “LONG DISTANCE” is displayed, it may be a long distance call.
- If “PRIVATE” is displayed, the caller chose not to reveal their information.
Confirming the number of logged calls

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.

**Condition**

- 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

```
PT
Lift the handset or press SP-PHONE.
Dial 77.
Enter the 4-digit lock code (0000 through 9999) twice.
Dial #.
Confirmation tone and dial tone.
Hang up or press SP-PHONE.

<PT Display Example>
Locked : xxxx
```

Unlocking

```
PT
Lift the handset or press SP-PHONE.
Dial 77.
Enter the same lock code you used to lock the extension.
Dial #.
Confirmation tone and dial tone.
Hang up or press SP-PHONE.

<PT Display Example>
Unlocked
```

Conditions

- The operator or manager can cancel this feature for all 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.

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 so that you can perform other tasks. 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
Dial 22.
Enter a parking zone number (0 through 9).
Confirmation tone and dial tone

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

**<PT Display Example>**

Call Prked at x
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.
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
3.2 Telephone Features

**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.

Any telephone

- Lift the handset or press SP-PHONE/MONITOR.
- Dial 4.
- Enter the extension number where the call is ringing.
- Confirmation tone (optional)
- Talk.

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 References

Call Pickup Deny
Doorphone Call
3.2 Telephone Features

Call Pickup, Group

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

Any telephone

Lift the handset or press SP-PHONE/MONITOR.  Dial 40.  Confirmation tone (optional)  Talk.

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**

<table>
<thead>
<tr>
<th>Any Telephone</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="imageURL" alt="Diagram" /></td>
</tr>
<tr>
<td><strong>To set:</strong> Dial 721#.</td>
</tr>
<tr>
<td><strong>To cancel:</strong> Dial 720#.</td>
</tr>
<tr>
<td>Lift the handset or press SP-PHONE/MONITOR.</td>
</tr>
<tr>
<td>Confirmation tone and dial tone</td>
</tr>
<tr>
<td>Hang up or press SP-PHONE/MONITOR.</td>
</tr>
</tbody>
</table>

*PT Display Example>*

- When setting:
  - C.Pickup Deny
- When canceling:
  - C.Pickup Allow

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

**Feature References**

Call Pickup, Directed
Call Pickup, Group
3.2 Telephone Features

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.

<table>
<thead>
<tr>
<th>Any telephone</th>
</tr>
</thead>
<tbody>
<tr>
<td>While the TAM is answering a call</td>
</tr>
</tbody>
</table>

- 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**
  - Press HOLD.
  - Press CO or INTERCOM.
  - Repeating these operations (steps 1 and 2) alternates between the callers.

- **Between two outside (CO) lines**
  - Press HOLD.
  - Press CO.
  - Repeating these operations (steps 1 and 2) alternates between the callers.

- **Between two extensions**
  - Press HOLD.

### SLT

- Flash the hookswitch.
  - 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

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**

**PT and SLT**

During a conversation

<table>
<thead>
<tr>
<th>For a PT: Press TRANSFER. For an SLT: Flash the hookswitch.</th>
<th>extension no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enter the destination extension number (100 through 199).</td>
<td>Confirmation tone and dial tone</td>
</tr>
<tr>
<td>Ring back tone</td>
<td>Wait for an answer.</td>
</tr>
</tbody>
</table>

- The other party is placed on hold.
- The call is transferred.

**Unscreened Call Transfer**

**PT and SLT**

During a conversation

<table>
<thead>
<tr>
<th>For a PT: Press TRANSFER. For an SLT: Flash the hookswitch.</th>
<th>extension no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enter the destination extension number (100 through 199).</td>
<td>Confirmation tone and dial tone</td>
</tr>
<tr>
<td>Ring back tone</td>
<td>Hang up or press SP-PHONE.</td>
</tr>
</tbody>
</table>

- The other party is placed on hold.
- Ringing starts at the destination extension.
3.2 Telephone Features

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

During a conversation

Press the flexible button assigned as the DSS button.

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

“Without Transfer” mode

During a conversation

Press TRANSFER.

Press the flexible button assigned as the DSS button.
3.2 Telephone Features

Conditions

- If the destination extension does not answer the call within a pre-determined time (default: 30 seconds), “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.
- If you want to return to the held call, press the TRANSFER button or corresponding CO or INTERCOM button before the destination extension answers.
- When “Transfer Recall” occurs, the display will show the following:
  
  \[
  \text{RCL: Ext 101}
  \]
- A flexible CO button can be assigned as a DSS button.
- To use “One-Touch Transfer”, System Programming is required.
- If you want to return to the held call, flash the hookswitch before the destination extension answers.
- 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**

- 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.
- System programming is required to execute this feature.
- 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 minutes). “Hold Alarm/Hold Recall” is sent to the transferring extension fifty seconds before time out.
- If you want to return to the held call, press the TRANSFER button or corresponding CO or INTERCOM button before the destination party answers.
- If you want to join the conversation after transferring the call, press the corresponding CO button. A conference call is established.
- 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

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.
- 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.
- 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 “#”.

Telephone Features 3-41
### 3.2 Telephone Features

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

<table>
<thead>
<tr>
<th>PT</th>
<th>SLT</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>While hearing a Call Waiting tone</strong></td>
<td><strong>While hearing a Call Waiting tone</strong></td>
</tr>
<tr>
<td>Press the flashing CO or INTERCOM.</td>
<td>Hang up. Lift the handset. Talk to the new caller.</td>
</tr>
<tr>
<td>Talk to the new caller.</td>
<td>Talk to the new caller.</td>
</tr>
</tbody>
</table>

- • The current call is disconnected.

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

<table>
<thead>
<tr>
<th>PT</th>
<th>SLT</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>While hearing the Call Waiting tone and the CO or INTERCOM indicator is flashing rapidly</strong></td>
<td><strong>While hearing a Call Waiting tone</strong></td>
</tr>
<tr>
<td>Press HOLD.</td>
<td>Flash the hookswitch.</td>
</tr>
<tr>
<td>Press the flashing CO or INTERCOM.</td>
<td>Dial tone Hang up. Lift the handset. Talk to the new caller.</td>
</tr>
<tr>
<td>Talk to the new caller.</td>
<td>Talk to the new caller.</td>
</tr>
</tbody>
</table>

- • 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.
3.2 Telephone Features

Conditions

- The default setting for Call Waiting is “disabled”.
- 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).
- 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”.
- If “Hold-2” or “Hold-3” is assigned in System Programming, you must dial “20” after flashing the hookswitch.
- 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
3.2 Telephone Features

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.

### Conditions

- **PT** • You can return to the original party by pressing the FLASH button again.
- **SLT** • You can return to the original party by repeating the steps above.
- **SLT** • 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
3.2 Telephone Features

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.
3.2 Telephone Features

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

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.
3.2 Telephone Features

**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.
- 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.
- If the third party does not answer, press the CO button or INTERCOM button to return to the second party.
- You can return to the original party before the third party answers by flashing the hookswitch.
- 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
3.2 Telephone Features

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

During a conversation with two outside parties

Press CONF to leave the conference.

• An outside-to-outside (CO-to-CO) line call between the other two parties is established.

To return to the conference

Press the CO flashing green moderately.

Conditions

• System Programming is required to execute this feature.

• When an Unattended Conference is established, an alarm tone is sent to both outside parties fifteen seconds before the assigned time limit (default: 10 minutes). “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.

• 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.)
3.2 Telephone Features

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

<table>
<thead>
<tr>
<th>Any Telephone</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Diagram" /></td>
</tr>
</tbody>
</table>

Lift the handset or press SP-PHONE/MONITOR.

To set: Dial 7301#.
To cancel: Dial 7300#.

Confirmation tone and dial tone
Hang up or press SP-PHONE/MONITOR.

Confirmation tone

Data Mode Off
Data Mode On

<PT Display Example>

- When setting:
  Data Mode On

- When canceling:
  Data Mode Off

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

Feature References

Call Waiting
Executive Busy Override — Extension
Executive Busy Override — Outside (CO) Line
Hold Alarm/Hold Recall (→ See the Installation Manual.)
3.2 Telephone Features

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.**
  - Enter the DISA phone number.
- **Ringback tone and DISA outgoing message**
- **extension no.**
  - Enter the extension number.
- **Ring back tone**

  • You can dial the AA number instead.

*In All Security Mode*

- **DISA phone no.**
  - Enter the DISA phone number.
- **Ringback tone and DISA outgoing message**
- **Dial ×. DISA security code**
  - 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.
3.2 Telephone Features

Calling an extension without an outgoing message

Any Telephone

In None Security Mode

- DISA phone no.
- Ringback tone and one short beep
- Enter the DISA phone number.
- extension no.
- Enter the extension number.
- Ring back tone

In All Security Mode

- DISA phone no.
- Ringback tone and one short beep
- Enter the DISA phone number.
- DISA security code
- Dial ✗
- Enter the pre-assigned DISA security code (4 digits).
- extension no.
- Enter the extension number.
- Ring back tone

- 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.
- Ringback tone and DISA outgoing message
- Enter the DISA phone number.
- line access code
- Enter a line access code (9 or 81 through 86).
- phone no.
- Enter the phone number of the external party.

In Trunk Security Mode

- DISA phone no.
- Ringback tone and DISA outgoing message
- Dial ✗
- Enter the DISA phone number.
- DISA security code
- Enter the pre-assigned DISA security code (4 digits).
- line access code
- One short beep
- Enter a line access code (9 or 81 through 86).
- phone no.
- Dial tone from the Central Office
- Enter the phone number of the external party.

In All Security Mode

- DISA phone no.
- Ringback tone and DISA outgoing message
- Dial ✗
- Enter the DISA phone number.
- DISA security code
- Enter the pre-assigned DISA security code (4 digits).
- line access code
- One short beep
- Enter a line access code (9 or 81 through 86).
- phone no.
- Dial tone from the Central Office
- Enter the phone number of the external party.
3.2 Telephone Features

Calling an external party without an outgoing message

<table>
<thead>
<tr>
<th>Any Telephone</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>In None Security Mode</strong></td>
</tr>
<tr>
<td>DISA phone no.</td>
</tr>
<tr>
<td>❌</td>
</tr>
<tr>
<td>☐</td>
</tr>
<tr>
<td>☐</td>
</tr>
<tr>
<td>☐</td>
</tr>
</tbody>
</table>

| **In Trunk Security Mode** |
| DISA 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. | 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 ✗.
3.2 Telephone Features

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

<table>
<thead>
<tr>
<th>PT and SLT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lift the handset or press SP-PHONE/MONITOR. For a PT: Press FWD/DND. For an SLT: Dial 71. To set: Dial 4. To cancel: Dial 0. Dial #. Confirmation tone and dial tone. Hang up or press SP-PHONE/MONITOR.</td>
</tr>
<tr>
<td>• When setting, the FWD/DND indicator lights. &lt;PT Display Example&gt; Do Not Disturb</td>
</tr>
<tr>
<td>• When canceling, the FWD/DND indicator light turns off. &lt;PT Display Example&gt; FWD/DND Cancel</td>
</tr>
<tr>
<td>• Single line telephone users can dial “0” instead of “#”.</td>
</tr>
</tbody>
</table>

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.
- A flexible CO button on the KX-T7050 and KX-T7055 (no FWD/DND button provided) can be assigned as the FWD/DND button.
- If the “Do Not Disturb (DND)” mode is set, you can still answer a call by pressing the CO button.
- 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
3.2 Telephone Features

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] [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

<table>
<thead>
<tr>
<th>Any Telephone</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="#" alt="Diagram" /></td>
</tr>
</tbody>
</table>

- Lift the handset or press SP-PHONE/MONITOR.
- Dial 55.
- Enter a door opener number (1 through 4).
- Confirmation tone
- Hang up or press SP-PHONE/MONITOR.

- The door is left unlocked for 5 seconds (default).

**<PT Display Example>**

\[
D - \text{ Opener } x-\text{On}
\]

- door opener number

To unlock the door while talking to the doorphone

<table>
<thead>
<tr>
<th>PT and SLT</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="#" alt="Diagram" /></td>
</tr>
</tbody>
</table>

- For a PT: Dial 5.
- For an SLT: Flash the hookswitch and dial 5.
- Hang up or press SP-PHONE/MONITOR.

- The door is left unlocked for 5 seconds (default).

**<PT Display Example>**

\[
D - \text{ Opener } x-\text{On}
\]

- door opener number
3.2 Telephone Features

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

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

Answering a doorphone call

Any Telephone

When you hear the doorphone ring tone at the extension

Lift the handset or press SP-PHONE.

Calling a doorphone

Any Telephone

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

<PT Display Example>

Door Phone x

doorphone number
3.2 Telephone Features

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

**Any Telephone**

- Lift the handset or press SP-PHONE/MONITOR.
- Dial 77.
- Enter a 4-digit lock code (0000 through 9999) twice.
- Dial #.

**<PT Display Example>**

- Locked : xxxx

- Confirmation tone and dial tone
- Hang up or press SP-PHONE/MONITOR.

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

### Unlocking

**Any Telephone**

- Lift the handset or press SP-PHONE/MONITOR.
- Dial 77.
- Enter the same lock code you used to lock the extension.
- Dial #.

**<PT Display Example>**

- Unlocked

- Confirmation tone and dial tone
- Hang up or press SP-PHONE/MONITOR.

- Single line telephone users can dial “0” instead of “#”.
3.2 **Telephone Features**

**Conditions**

- If another user tries to access an outside (CO) line and presses a dial key 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 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 and must not have 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

Any Telephone

- Lift the handset or press SP-PHONE/MONITOR.
- Dial the line access code (9 or 81 through 86).
- Dial tone
- Emergency no.

Dial the emergency number.

- You may press a CO button instead.

Conditions

- An emergency call is allowed even in the following cases,
  - Account Code – Verify (All) mode
  - Any toll restriction COS number
  - Electronic Station Lockout
- If your system 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

Dial 2. 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 INTERCOM

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.

<table>
<thead>
<tr>
<th>PT</th>
<th>Lift the handset or press SP-PHONE/MONITOR.</th>
<th>CO</th>
<th>Press the desired CO whose indicator is lit red.</th>
<th>Confirmation tone (optional)</th>
<th>A three-party conference is now established.</th>
</tr>
</thead>
</table>

To leave the conference

<table>
<thead>
<tr>
<th>PT</th>
<th>Hang up or press SP-PHONE/MONITOR.</th>
<th>The other two parties continue their conversation.</th>
</tr>
</thead>
</table>

To terminate one party and talk to the other

<table>
<thead>
<tr>
<th>PT</th>
<th>CO or INTERCOM</th>
<th>Press the CO or INTERCOM of the party to remain connected.</th>
<th>Confirmation tone (optional)</th>
</tr>
</thead>
</table>

Conditions

- 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.
- 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**

<table>
<thead>
<tr>
<th>Any Telephone</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="Diagram-lift-handset-press-monitor.png" alt="Diagram" /></td>
</tr>
</tbody>
</table>

- Lift the handset or press SP-PHONE/MONITOR.
- To set Deny: Dial 7330#.
- To set Allow: Dial 7331#.
- Hang up or press SP-PHONE/MONITOR.
- Confirmation tone

**<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

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

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

• A “Flash Time” must be assigned as required by the host PBX, or outside (CO) line.
• 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
3.2 Telephone Features

Flash

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

**PT**

<table>
<thead>
<tr>
<th>Flash</th>
<th>Dial tone</th>
<th>Phone no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Press FLASH.</td>
<td>While hearing any tone, dialing, or talking</td>
<td>Enter the phone number.</td>
</tr>
</tbody>
</table>

**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
Hands-free Answerback  (— for KX-T7020/KX-T7030/KX-T7130 only)
Allows you to answer an intercom call without lifting the handset.

Setting

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

Press AUTO ANSWER/MUTE.

- The AUTO ANSWER/MUTE indicator turns on.

Canceling

When the AUTO ANSWER/MUTE indicator is on

Press AUTO ANSWER/MUTE.

- The AUTO ANSWER/MUTE indicator light turns off.

Conditions

- This feature does not work for incoming outside calls or doorphone calls.
- When an outside call is transferred to your extension, this feature is overridden and a ring tone is heard.
### Hands-free 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 hands-free mode

- Press **SP-PHONE**.
- Hang up.

#### Switching from hands-free to the handset mode

- Lift the handset.

### Conditions

- Helpful hints for the Hands-free 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.
- The hands-free mode is canceled if you do not start dialing within ten seconds.
- The KX-T7050 and KX-T7055 have MONITOR buttons instead of a SP-PHONE button. It can be used for hands-free dialing, etc., but it cannot be used for a hands-free conversation.
- You can enable the hands-free mode by pressing a CO or INTERCOM button.
3.2 Telephone Features

Intercom Calling

Allows you to make a call to another extension.

Using the handset

**Any Telephone**

| Lift the handset. | Enter the extension number (100 through 199). | Talk. | Hang up. |

Using the Speakerphone

**PT**

| Press SP-PHONE or INTERCOM. | Enter the extension number (100 through 199). | Talk. | Press SP-PHONE. |

Using a DSS (Direct Station Selection) button

**PT**

| Lift the handset or press SP-PHONE/MONITOR. | Press the flexible button assigned as a DSS button. | Talk. | Hang up or press SP-PHONE. |

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.

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

- 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
3.2 Telephone Features

Live Call Screening (LCS) †

While a caller is leaving a message in your mailbox, you can monitor the message. If desired, you can answer the call while monitoring. There are two methods available. In both modes, when you are having a conversation, you will hear a Call Waiting tone if Call Waiting has been enabled.

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

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

*Preparation*
- Assign the Live Call Screening (LCS) button (Station Programming)
- Select the mode, either Hands-free or Private (Station Programming)
- Set the Password
- Set the LCS feature

**Flowchart of the Live Call Screening (LCS) Feature**

*To set LCS on*
- Press the LCS button.
- Enter the password.

*To cancel LCS*
- Press the LCS button.

**Hands-free Mode**
- **To monitor**
  - Hang up*.
- **To stop monitoring**
  - Press the FLASH or the LCS Cancel button.

**Private Mode**
- **To monitor**
  - Press the SP-PHONE/MONITOR or LCS button.
- **To stop the alert tone**
  - Press the FLASH or LCS Cancel button.

**During a conversation**
- (Call Waiting Tone)

**To answer the call**
- Lift the handset.

**To stop monitoring**
- Press the FLASH or the LCS Cancel button.

- *: To hold the current call temporarily, press the HOLD button. To return to the held call, press the CO button whose indicator light flashes green slowly.
- The shaded areas are for the Hands-free operation.

† Available when the KX-TA624 is connected to a Proprietary Telephone capable Panasonic Voice Processing System (one that supports APT Integration; KX-TVS50).
### Setting the password

- **PT**
  - Lift the handset or press SP-PHONE/MONITOR.
  - Dial 77#. Enter the password (000 through 999) twice.
  - Dial #.
  - Lift the handset or press SP-PHONE/MONITOR.
  - Confirmation tone and dial tone
  - Hang up or press SP-PHONE/MONITOR.

**<PT Display Example>**

```
Password: xxx
```

- To change your password, you must follow the instructions below for “Canceling the password”.

### Canceling the password

- **PT**
  - Lift the handset or press SP-PHONE/MONITOR.
  - Dial 77#. Enter the password (000 through 999).
  - Dial #.
  - Lift the handset or press SP-PHONE/MONITOR.
  - Confirmation tone and dial tone
  - Hang up or press SP-PHONE/MONITOR.

**<PT Display Example>**

```
Password Cancel
```

### Setting Live Call Screening

- **PT**
  - When the telephone is idle and on-hook.
  - Press the Flexible button assigned as the Live Call Screening button.
  - Enter the password (000 through 999).
  - The Live Call Screening indicator light turns red.

**<PT Display Example>**

```
LCS
```
3.2 Telephone Features

Canceling Live Call Screening

When the telephone is idle and on-hook:

Press the Flexible button assigned as the Live Call Screening button.

<PT Display Example>

LCS Cancel

- The Live Call Screening indicator light turns off.

In the Hands-free mode:

When callers are connected to your voice mailbox, the message recording is monitored automatically through your extension speaker. While monitoring in the Hands-free mode, the Live Call Screening indicator light flashes slowly.

Having a conversation with a party

Lift the handset or press SP-PHONE, or press the Live Call Screening button.

- The Live Call Screening indicator light turns red from flashing slowly.

Stopping the monitoring

Press FLASH or the Live Call Screening Cancel button.

- The Live Call Screening indicator light turns red from flashing slowly.
3.2 Telephone Features

In the Private mode:

Stopping the alert tone

Press FLASH or the Live Call Screening Cancel button.

Monitoring the message recording

Press SP-PHONE/MONITOR or the Live Call Screening button.

• To stop monitoring, hang up, press FLASH or the Live Call Screening Cancel button.

Talking to the party

Lift the handset or press SP-PHONE, or the flashing Live Call Screening button.
3.2 Telephone Features

**During a conversation with another party:**

When the extension user is having a conversation, the Call Waiting tone will be heard if Call Waiting has been enabled. The Live Call Screening indicator light flashes.

— *If you want to terminate the current call*

**Monitoring**

<table>
<thead>
<tr>
<th>PT</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Diagram" /></td>
</tr>
<tr>
<td>Hang up or press SP-PHONE/MONITOR.</td>
</tr>
<tr>
<td>• An alert tone is sent.</td>
</tr>
</tbody>
</table>

— *If you want to hold the current call*

**Monitoring**

<table>
<thead>
<tr>
<th>PT</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Diagram" /></td>
</tr>
<tr>
<td>Press HOLD.</td>
</tr>
<tr>
<td>• An alert tone is sent.</td>
</tr>
</tbody>
</table>

— *If you want to hold the current call*

**Having a conversation with a party**

<table>
<thead>
<tr>
<th>PT</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Diagram" /></td>
</tr>
<tr>
<td>Lift the handset or press SP-PHONE, or the flashing Live Call Screening button.</td>
</tr>
</tbody>
</table>

**Having a conversation with a party**

<table>
<thead>
<tr>
<th>PT</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Diagram" /></td>
</tr>
<tr>
<td>Lift the handset or press SP-PHONE, or the flashing Live Call Screening button.</td>
</tr>
</tbody>
</table>
3.2 Telephone Features

**Conditions**

- A flexible CO or DSS button can be assigned as the Live Call Screening (LCS) button or the Live Call Screening (LCS) Cancel button.
- The Live Call Screening indicator shows the feature status as follows:
  - Red (steady) . . . . . . . . . . . . . The Live Call Screening mode is on.
  - Off . . . . . . . . . . . . . . . . . . . The Live Call Screening mode is off.
  - Flashing green slowly . . Live Call Screening is active.*
  - Flashing green rapidly . . An alert tone is ringing.**

* The DSS button indicator flashes red slowly while Live Call Screening is active.
** The DSS button indicator flashes red moderately while an alert tone is ringing.

- The operator and the manager can clear a password at any extension.
- With the KX-T7030 and KX-T7130, you can assign the password using the display operation.

**Programming References**

- Station Programming (Section 2)
  - Flexible Button Assignment — Live Call Screening (LCS) Button, Live Call Screening (LCS) Cancel Button
  - Live Call Screening Mode Set

**Feature References**

- Live Call Screen Password Control (3.3 Operator/Manager Service Features)
- Station Programming — Live Call Screening (LCS) Button Assignment
  - Live Call Screening (LCS) Cancel Button Assignment
  - (4.2 DSS Console Features)
3.2 Telephone Features

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)

<table>
<thead>
<tr>
<th>PT</th>
<th>Lift the handset or press SP-PHONE/MONITOR.</th>
<th>Press the flexible button assigned as the Log-In/Log-Out button.</th>
<th>Confirmation tone and dial tone</th>
<th>Hang up or press SP-PHONE/MONITOR.</th>
</tr>
</thead>
</table>

• The indicator light turns off in Log-In mode or turns steady red in Log-Out mode.

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

Any Telephone

Lift the handset or press SP-PHONE/MONITOR.

For Log-In mode: Dial 7360#.
For Log-Out mode: Dial 7361#.

Confirmation tone and dial tone

Hang up or press SP-PHONE/MONITOR.

<PT Display Example>

Group Log In

or

Group Log Out

• Single line telephone users can dial “0” instead of “#”. 
3.2 Telephone Features

Conditions

• The default is “Log-In” mode.
• There should be at least one extension that is in Log-In mode.
• If every extension has logged out except one person, and that person tries to log out, their extensions will display “Not Valid”. In other words, the last member of the group cannot log out.
• 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

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**

1. Lift the handset or press SP-PHONE/MONITOR.
2. Dial 701.
3. Enter the extension number (100 through 199) where the message will be left.
4. Dial #.
5. 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

1. Press MESSAGE.
2. Confirmation tone and dial tone
3. Hang up or press SP-PHONE/MONITOR.

Canceling

**Any Telephone**

1. Lift the handset or press SP-PHONE/MONITOR.
2. Dial 702.
3. Enter the extension number (100 through 199) where you left a message.
4. Dial #.
5. Hang up or press SP-PHONE/MONITOR.

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

**Canceling using the MESSAGE button**

1. Lift the handset or press SP-PHONE/MONITOR.
2. Enter the extension number (100 through 199) where you left a message.
3. Press MESSAGE twice.
4. Confirmation tone and dial tone
5. Hang up or press SP-PHONE/MONITOR.
3.2 Telephone Features

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.

When the telephone is idle and on-hook

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.

Press 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.

Dial 700.

Dial #.

Hang up or press SP-PHONE/MONITOR.

- All messages are cleared.
3.2 Telephone Features

Conditions

- Each extension can have a maximum of 8 simultaneous messages. If you try to set the ninth message, you will hear a reorder tone.
- If the MESSAGE indicator does not go out after calling the extension which left the message, another message is waiting.
- If multiple message notifications are left at your extension, call back is executed in the order received.
- 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

**During a conversation in the handsfree mode**

Press AUTO ANSWER/MUTE.

- The AUTO ANSWER/MUTE indicator light flashes red slowly.

**When microphone mute is established**

Press AUTO ANSWER/MUTE.

- The AUTO ANSWER/MUTE indicator light turns off.

#### Condition

- This feature is only available during a hands-free 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.
3.2 Telephone Features

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 twenty-four digits) in a One-Touch Dialing button.

Dialing

Lift the handset or press SP-PHONE/MONITOR. Press the flexible button assigned as a One-Touch Dialing button.

Conditions

- The destination numbers are stored through Station Programming.
- You may press a CO button to select a desired outside (CO) line before pressing the One-Touch Dialing button.
- “Speed Dialing”, “One-Touch Dialing” and manual dialing can be used together.
- You can store a number consisting of twenty-five digits or more by dividing and storing it into two One-Touch Dialing buttons.
- The telephone number dialed will be displayed on the LCD. Use the FWD/DND (→) or CONF (←) button to scroll the display to either side.
- A pause is automatically entered after the stored line access code, 9 or 81 through 86, when dialing.
- 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
0 3.2 Telephone Features

Operator Call

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

### Any Telephone

<table>
<thead>
<tr>
<th>Lift the handset or press SP-PHONE/MONITOR.</th>
<th>0</th>
</tr>
</thead>
</table>

Dial 0.

### 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

Outward Dialing, Line Access — SUMMARY

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

<table>
<thead>
<tr>
<th>Line Access, Automatic</th>
<th>Dial the feature number (9).</th>
</tr>
</thead>
<tbody>
<tr>
<td>Line Access, Individual</td>
<td>Press a Single-CO (S-CO) button.</td>
</tr>
<tr>
<td>Line Access, Outside (CO) Line Group</td>
<td>Dial the feature number (8) and an outside (CO) line group number (1-6). or Press a Group-CO (G-CO) button</td>
</tr>
</tbody>
</table>

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

  **Busy tone:** Indicates the selected outside (CO) line is busy.
  
  ![CO in Use](image)
  — is shown on a PT display.

  **Reorder tone:**
  1) Indicates the outside (CO) line you have attempted to access is not assigned.
  
  ![CO Not Assigned](image)
  — is shown on a PT display.

  2) Indicates access to outside (CO) lines is denied.
  
  ![Restricted](image)
  — 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.
3.2 Telephone Features

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.

<table>
<thead>
<tr>
<th>Any Telephone</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image.png" alt="Diagram" /></td>
</tr>
</tbody>
</table>

Lift the handset or press SP-PHONE/MONITOR.  
Dial 9.  
Dial tone  
Enter the phone number.  
Talk.  
Hang up or press SP-PHONE.

- The selected CO indicator light turns green.  
- The display shows the phone number.
3.2 Telephone Features

**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 without going off-hook.
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.

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paging — All</td>
<td>Paging through both the built-in speakers and an external pager.</td>
</tr>
<tr>
<td>Paging — External</td>
<td>Paging to an external pager.</td>
</tr>
<tr>
<td>Paging — Group</td>
<td>Paging to all groups (all extensions) simultaneously.</td>
</tr>
<tr>
<td></td>
<td>Paging to a particular group of extensions using the built-in speakers.</td>
</tr>
</tbody>
</table>

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
3.2 Telephone Features

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.

**Any Telephone**

Lift the handset or press SP-PHONE/MONITOR. Dial 33*. Confirmation tone

Announce. Wait for an answer. Talk.

* You may dial “339” instead of “33*”.

**PT Display Example**

Paging All

Paging — External

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

**Any Telephone**

Lift the handset or press SP-PHONE/MONITOR. Dial 34. Confirmation tone (optional)

Announce. Wait for an answer. Talk.

**PT Display Example**

External Page

**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.
3.2 Telephone Features

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

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<PT Display Example>
Paging All Ext

To access a particular group of extensions

<table>
<thead>
<tr>
<th>Any Telephone</th>
<th>Lift the handset or press SP-PHONE/MONITOR.</th>
<th>Dial 33.</th>
<th>Dial the group number (1 through 8).</th>
<th>Confirmation tone</th>
<th>Announce.</th>
<th>Wait for an answer.</th>
<th>Talk.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<PT Display Example>
Paging Group X

Condition

- There is a maximum of eight extension groups.
3.2 Telephone Features

Paging — ANSWER

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

### Any Telephone

- Lift the handset or press SP-PHONE/MONITOR.
- Dial 43.
- Confirmation tone
- Talk.

### Conditions

- You can hear a confirmation tone when the page is answered.
- 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

**PT and SLT**

**During a conversation**

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

- Dial tone
- Dial 33.
- Confirmation tone
- Announce.

- The other party is placed on hold.
- Wait for an answer.
- Confirmation tone
- Hang up or press SP-PHONE.

• You may dial “339” instead of “33*”.

• The held party and the paged extension are connected and can start a conversation.
3.2 Telephone Features

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 34  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 all extension groups

**PT and SLT**

**During a conversation:**

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

Dial tone 330  Confirmation tone Announce. Wait for an answer. Confirmation tone

- 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

**Condition**

- 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
3.2 Telephone Features

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

Setting

<table>
<thead>
<tr>
<th>PT</th>
<th>7 3 4 1 #</th>
<th>Dial 7341#.</th>
<th>Hang up or press SP-PHONE/MONITOR.</th>
</tr>
</thead>
</table>
Lift the handset or press SP-PHONE/MONITOR.

<Pt Display Example>
Paging Deny

Canceling

<table>
<thead>
<tr>
<th>PT</th>
<th>7 3 4 0 #</th>
<th>Dial 7340#.</th>
<th>Hang up or press SP-PHONE/MONITOR.</th>
</tr>
</thead>
</table>
Lift the handset or press SP-PHONE/MONITOR.

<Pt Display Example>
Paging Allow
3.2 Telephone Features

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

- A proprietary telephone LCD will show you a single line telephone is in use.
- The following features will not work with a single line telephone connected in parallel with a proprietary telephone.
  - Account code input
  - Call Splitting
  - Conference
  - Door Opener while talking to the doorphone
  - External Feature Access
  - Pickup dialing
- 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.
- A single line telephone connected in parallel with a proprietary telephone will not ring in the following cases.
  - The proprietary telephone is set to Hands-free Answerback.
  - The proprietary telephone is set to “Voice Call” in the Intercom Alert Assignment.

Programming Reference

- System Programming — Installation Manual
3.2 Telephone Features

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

**Any Telephone**

Lift the handset or press SP-PHONE/MONITOR.

Dial 2.

Enter the personal speed dial number (0 through 9).

Enter the desired number.

Dial #. Confirmation tone

Hang up or press SP-PHONE/MONITOR.

Dialing

**Any Telephone**

Lift the handset or press SP-PHONE/MONITOR.

Dial #.

Enter the personal speed dial number (0 through 9).

• You may dial “1” instead of “#”.

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

**PT**

Lift the handset or press SP-PHONE.

Dial 3.

Enter the personal speed dial number (0 through 9).

Dial #.
3.2 Telephone Features

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 twenty-four 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.

Programming Reference

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

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

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

Storing a phone number

<table>
<thead>
<tr>
<th>SLT</th>
<th>Lift the handset or press SP-PHONE/MONITOR.</th>
<th>Dial 742.</th>
<th>Enter the phone number.</th>
<th>Dial #.</th>
<th>Confirmation tone and dial tone</th>
<th>Hang up or press SP-PHONE/MONITOR.</th>
</tr>
</thead>
</table>

• You must dial a line access code (9 or 81 through 86) as the first digit when storing an external party phone number.

Setting / Canceling

<table>
<thead>
<tr>
<th>SLT</th>
<th>Lift the handset or press SP-PHONE/MONITOR.</th>
<th>To set: Dial 741#.</th>
<th>To cancel: Dial 740#.</th>
<th>Confirmation tone and dial tone</th>
<th>Hang up or press SP-PHONE/MONITOR.</th>
</tr>
</thead>
</table>

Dialing

<table>
<thead>
<tr>
<th>SLT</th>
<th>Lift the handset or press SP-PHONE/MONITOR.</th>
<th>Wait for an answer.</th>
<th>Talk.</th>
</tr>
</thead>
</table>

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 of the following outside (CO) lines 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 that require tones, such as computer telephone services and Voice Mail.

<table>
<thead>
<tr>
<th>Any Telephone</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>phone no. (Pulse mode)</strong></td>
</tr>
<tr>
<td>Enter the phone number (Pulse mode).</td>
</tr>
</tbody>
</table>

**Condition**

- You cannot change from Tone to Pulse dialing mode.
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.

<table>
<thead>
<tr>
<th>PT</th>
<th>SLT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lift the handset or press SP-PHONE/MONITOR.</td>
<td>Lift the handset.</td>
</tr>
<tr>
<td>Press REDIAL.</td>
<td>Dial ## or 80.</td>
</tr>
</tbody>
</table>

Conditions

- Up to sixty-four 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.
- “∗”, “#”, “PAUSE”, and “INTERCOM” (for secret dialing) are counted as one digit.
- While calling or during a conversation, pressing the REDIAL button will disconnect the current call and redial the stored number in 3 seconds.
- You can check the stored number. Press the REDIAL button while on-hook, and the stored number will be displayed.
3.2  Telephone Features

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

During a conversation or while hearing a busy tone

- AUTO DIAL
- STORE
- Press AUTO DIAL/STORE.
- Press SAVE.

Dialing

- Lift the handset or press SP-PHONE/MONITOR.
- Press SAVE.

Conditions

- Up to sixty-four digits can be stored and redialed. This does not include an outside (CO) line access code.
- “*”, “#”, “PAUSE”, and “INTERCOM” (for secret dialing) are counted as one digit.
- A flexible button can be assigned as the SAVE button.
- You can check the stored number. Press the SAVE button while on-hook, and the stored number will be displayed.
- 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
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

At the monitored telephone

Lift the handset or press SP-PHONE.

Dial 7351#.

Press AUTO ANSWER/MUTE.

Confirmation tone

Hang up or press SP-PHONE.

Press AUTO ANSWER/MUTE.

Room Monitor On

• The AUTO ANSWER/MUTE button indicator is flashing.

Monitoring

PT and SLT

For a PT: Press SP-PHONE and AUTO ANSWER/MUTE.

For an SLT: Lift the handset and press the MUTE button.

Enter the monitored extension number (100 through 199).

For a PT: Press AUTO ANSWER/MUTE or lift the handset.

Talk.

Paging a monitored room
3.2 Telephone Features

Canceling a monitor temporarily

<table>
<thead>
<tr>
<th>PT</th>
<th>At the monitored telephone</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO ANSWER</td>
<td>MUTE</td>
</tr>
</tbody>
</table>

Press AUTO ANSWER/MUTE.

- The AUTO ANSWER/MUTE button indicator turns off.

Canceling

<table>
<thead>
<tr>
<th>PT</th>
<th>At the monitored telephone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lift the handset or press SP-PHONE.</td>
<td>Dial 7350#.</td>
</tr>
<tr>
<td>Confirmation tone</td>
<td>Hang up or press SP-PHONE.</td>
</tr>
</tbody>
</table>

<PT Display Example>

Room Monitor Off

Monitoring through a doorphone

<table>
<thead>
<tr>
<th>PT and SLT</th>
<th>For a PT</th>
<th>For an SLT</th>
</tr>
</thead>
<tbody>
<tr>
<td>SP-PHONE</td>
<td>AUTO ANSWER</td>
<td>MUTE</td>
</tr>
<tr>
<td>Lift the handset and press the MUTE button.</td>
<td>Dial 31.</td>
<td></td>
</tr>
</tbody>
</table>

Enter the monitored doorphone number (1 through 4).

Conditions

- The doorphone access tone can be disabled by System Programming.
- The access tone will not be sent to the monitored PT.
- The paging access tone will also not be sent to the monitored PT.
- System Programming is required to monitor through a 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
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.

**Conditions**

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

```
9-1-[201]...
```

- “201” is not shown on the display when you dial.

- You can program whether to print out the concealed number(s) on the SMDR or not by System Programming.
- 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) Paging — DENY
- n) Pickup Dialing (Hot Line) – (The stored telephone number will be erased.)
- o) Room Monitor
- p) Timed Reminder
- q) Voice Mail Integration

Clearing the current feature settings

<table>
<thead>
<tr>
<th>Any Telephone</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Diagram" /></td>
</tr>
<tr>
<td>Lift the handset or press SP-PHONE/MONITOR.</td>
</tr>
<tr>
<td>&lt;PT Display Example&gt; Ext Data Clear</td>
</tr>
</tbody>
</table>

* Single line telephone users can dial “0” instead of “#”.

Telephone Features 3-107
3.2 Telephone Features

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.

<table>
<thead>
<tr>
<th>Any Telephone</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="Image" alt="Lift the handset or press SP-PHONE/MONITOR." /></td>
</tr>
</tbody>
</table>

Enter an extension number (100 through 199).

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

**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
3.2 Telephone Features

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)

Press 

Press #.

• The display shows the current mode for 3 seconds.

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.)
3.2 Telephone Features

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

<table>
<thead>
<tr>
<th>Any Telephone</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Diagram" /></td>
</tr>
<tr>
<td>Lift the handset or press SP-PHONE/MONITOR.</td>
</tr>
<tr>
<td><img src="image" alt="Diagram" /></td>
</tr>
<tr>
<td>Dial 76.</td>
</tr>
<tr>
<td><img src="image" alt="Diagram" /></td>
</tr>
<tr>
<td>Enter the hour (01 through 12).</td>
</tr>
<tr>
<td><img src="image" alt="Diagram" /></td>
</tr>
<tr>
<td>Enter the minute (00 through 59).</td>
</tr>
<tr>
<td><img src="image" alt="Diagram" /></td>
</tr>
<tr>
<td>For AM: Dial 0. For PM: Dial 1.</td>
</tr>
<tr>
<td><img src="image" alt="Diagram" /></td>
</tr>
<tr>
<td>#</td>
</tr>
<tr>
<td><img src="image" alt="Diagram" /></td>
</tr>
<tr>
<td>For a one time alarm*: Dial 1. For a daily alarm**: Dial 2.</td>
</tr>
<tr>
<td><img src="image" alt="Diagram" /></td>
</tr>
<tr>
<td>Hang up or press SP-PHONE/MONITOR.</td>
</tr>
</tbody>
</table>

* Single line telephone users can dial “0” instead of “#”.

*1 An alarm will be heard at the preset time and then the setting is cleared.

*2 An alarm will be heard daily at the preset time until the setting is changed or canceled.

Canceling

<table>
<thead>
<tr>
<th>Any Telephone</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Diagram" /></td>
</tr>
<tr>
<td>Lift the handset or press SP-PHONE/MONITOR.</td>
</tr>
<tr>
<td><img src="image" alt="Diagram" /></td>
</tr>
<tr>
<td>Dial 76.</td>
</tr>
<tr>
<td><img src="image" alt="Diagram" /></td>
</tr>
<tr>
<td>Dial 762#.</td>
</tr>
<tr>
<td><img src="image" alt="Diagram" /></td>
</tr>
<tr>
<td>Confirmation tone and dial tone</td>
</tr>
<tr>
<td><img src="image" alt="Diagram" /></td>
</tr>
<tr>
<td>Hang up or press SP-PHONE/MONITOR.</td>
</tr>
</tbody>
</table>

<PT Display Example>

Alarm Cancel

* Single line telephone users can dial “0” instead of “#”.
3.2 Telephone Features

Checking the set time (with a display PT only)

<table>
<thead>
<tr>
<th>PT</th>
<th>7</th>
<th>6</th>
<th>3</th>
<th>#</th>
</tr>
</thead>
</table>
Lift the handset or press SP-PHONE/MONITOR. | Dial 763#. | Hang up or press SP-PHONE/MONITOR. |

• If “10:10 AM” has been set:
  <PT Display Example>
  - one time
  
  or
  
  daily

Stopping the alarm

Any Telephone

| Lift the handset. | Dial tone 3 |

• Pressing any key also stops the alarm. • This tone confirms that you have a Timed Reminder.

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)
3.2 Telephone Features

Toll Restriction Override

There are three types of toll restriction override.
• Toll Restriction Override by Account Codes
• Toll Restriction for System Speed Dialing
• Toll Restriction — Station Lock Boundary Class

Toll Restriction Override by Account Codes

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 a pre-assigned 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 account code is entered, the COS number is changed to the COS number 2. The COS numbers 1 and 2 will not be changed.
• If you do not enter an account code or enter an invalid one, a regular toll restriction check is done.
• You can enter an account code only when you need to override toll restriction.
• To override toll restriction in the option, forced or verify-all mode, use the Walking COS feature.

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

Feature References

Account Code Entry
Toll Restriction (→ See the Installation Manual.)
Walking COS
3.2 Telephone Features

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.)
3.2 Telephone Features

Voice Mail Integration for KX-TVS50/KX-TVS75/KX-TVS100

Allows you to forward your calls to your mailbox in a Panasonic Voice Processing System (VPS) equipment (KX-TVS50/KX-TVS75/KX-TVS100). 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.

Setting Call Forwarding destination to Voice Mail

<table>
<thead>
<tr>
<th>PT and SLT</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FWD/DND</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lift the handset or press SP-PHONE/MONITOR.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>For a PT: Press FWD/DND.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>For an SLT: Dial 71.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 or 2</td>
<td>Voice Mail extension number</td>
<td>#</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dial the Call Forwarding number.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1: Call Forwarding — All Calls</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2: Call Forwarding — Busy/No Answer</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Enter the Voice Mail extension number.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dial #.</td>
<td>Confirmation tone and dial tone</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hang up or press SP-PHONE/MONITOR.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

Calls directed to you are automatically forwarded to your mailbox.

Callers can leave their messages in the mailbox, according to the Voice Mail guidance.

Canceling Call Forwarding destination to Voice Mail

<table>
<thead>
<tr>
<th>PT and SLT</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FWD/DND</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lift the handset or press SP-PHONE/MONITOR.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>For a PT: Press FWD/DND.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>For an SLT: Dial 71.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0</td>
<td>#</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dial 0.</td>
<td>Dial #.</td>
<td>Confirmation tone and dial tone</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hang up or press SP-PHONE/MONITOR.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

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

<table>
<thead>
<tr>
<th>PT</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MESSAGE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lift the handset or press SP-PHONE/MONITOR.</td>
<td>Press MESSAGE.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

You can listen to the stored message by following the Voice Mail prompts.
### By manual dialing

**Any Telephone**

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.

### 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

- 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.

- A flexible button can be assigned as the FWD/DND button.

- If you set the Call Forwarding — Busy/No Answer feature, the FWD/DND button light will keep flashing. To stop this flashing, go off-hook and dial 716#.

- 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**

**Voice Mail Transfer †**

You can transfer outside calls to the Voice Processing System so that callers can leave their messages in a desired extension mailbox. When you transfer an outside call to the designated extension:

— **If the extension has set the “Call forwarding” function whose destination is Voice Mail;**
  
  The call will be forwarded to Voice Mail.

— **If the extension has not set the “Call forwarding” function;**

  The call will return to you. You can then transfer the call to Voice Mail by simply following the operation below.

<table>
<thead>
<tr>
<th>PT</th>
</tr>
</thead>
</table>

**If the call returns to you**

Press the Flexible button assigned as the Voice Mail (VM) Transfer button.

Enter an extension number or press DSS.

- The call will be transferred to Voice Mail.
- The caller can leave the message according to the Voice Mail guidance.

**Conditions**

- A flexible button can be assigned as the Voice Mail (VM) Transfer button.

**Programming References**

- Station Programming (Section 2)
  
  Flexible Button Assignment — Voice Mail (VM) Transfer Button

**Feature Reference**

Voice Mail Integration for KX-TVS50/KX-TVS75/KX-TVS100

Station Programming — Voice Mail (VM) Transfer Button Assignment

(4.2 DSS Console Features)

† Available when the KX-TA624 is connected to a Proprietary Telephone capable Panasonic Voice Processing System (one that supports APT Integration; KX-TVS50).
3.2 Telephone Features

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

<table>
<thead>
<tr>
<th>Any Telephone</th>
</tr>
</thead>
<tbody>
<tr>
<td>At another extension</td>
</tr>
<tr>
<td>Lift the handset or press SP-PHONE/MONITOR.</td>
</tr>
<tr>
<td>Dial 7*.</td>
</tr>
<tr>
<td>Dial your extension password.</td>
</tr>
<tr>
<td>Enter your extension number (100 through 199).</td>
</tr>
<tr>
<td>Dial #.</td>
</tr>
<tr>
<td>Confirmation tone and dial tone</td>
</tr>
<tr>
<td>Enter the phone number.</td>
</tr>
</tbody>
</table>

<PT Display Example>

Set COS Extxxx

your extension number

- You must dial a line access code (9 or 81 through 86) or press the CO button when calling an external party.

Conditions

- TRS Class of Service (COS) is used to define the feature. Each extension is assigned a TRS COS number.
- 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
3.3 **Operator/Manager Service Features**

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) Live Call Screening Password Control
4) Outgoing Message (OGM)
5) Remote Station Lock Control
6) Time (Day/Night/Lunch) Service Setting
7) Timed Reminder, Remote (Wake-Up Call)
8) Extension Password Set (Manager only)

**Programming Reference**

- System Programming — Installation Manual
  [008] Operator Assignment
3.3  Operator/Manager Service Features

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”.

<table>
<thead>
<tr>
<th>PT</th>
<th>year</th>
<th>month</th>
<th>day</th>
<th>day of the week</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Dial 0. Enter the year (last 2 digits).
Enter the month (01 through 12).
Enter the day (01 through 31).
Enter the day of the week. 0: For Sun 1: For Mon 2: For Tue 3: For Wed 4: For Thu 5: For Fri 6: For Sat

<PT Display Example>

980715 6 07:52 1

Press AUTO DIAL/STORE.

0 or 1
Dial 0 or 1. For AM: Dial 0. For PM: Dial 1.

• The STORE indicator light turns on.

— To exit the Station Programming mode, set the MEMORY switch to “SET”.
3.3 Operator/Manager Service Features

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”.

![PT Display Example]

Lock Release
3.3 **Operator/Manager Service Features**

**Live Call Screening Password Control†**

The operator or manager can clear the Live Call Screening password on any extension.

*Clearing the Live Call Screening password*

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

- Dial #2.
- Press STORE.
- Extension number
- AUTO DIAL
- STORE
- Dial the extension number where you want to clear the password.
- Press STORE.
- • The STORE indicator lights.

<PT Display Example>
123: Cancel?
- • To erase an incorrect entry, press the TRANSFER (CLEAR) button. (The TRANSFER button becomes the CLEAR button during programming.)

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

**Condition**

- If the extension user forgets their pre-set password, they can ask the operator or manager to clear the password.

**Feature Reference**

Live Call Screening (LCS)

† Available when the KX-TA624 is connected to a Proprietary Telephone capable Panasonic Voice Processing System (one that supports APT Integration; KX-TVS50).
3.3 **Operator/Manager Service Features**

### 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”.

**PT Display Example**

- The STORE indicator light turns off. Recording starts after the confirmation tone.
- The STORE indicator light turns steady red.
- If you exceed the time (30 seconds), recording is stopped automatically.

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

---

*Telephone Features* 3-123
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”.

<PT Display Example>

![Display Example]

- The STORE indicator light turns off.
- The message is played back.

— 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)
3.3 Operator/Manager Service Features

Remote Station Lock Control

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

**Locking**

- **PT**
  - Lift the handset or press SP-PHONE/MONITOR.
  - Press the flexible button assigned as the Station Lock button.

<PT Display Example>

Locked  Ext101

- The Station Lock button indicator turns red.

**Unlocking**

- **PT**
  - Lift the handset or press SP-PHONE/MONITOR.
  - Press the Station Lock button whose indicator lights red.

<PT Display Example>

Unlocked  Ext101

- The Station Lock button indicator turns off.
3.3 **Operator/Manager Service Features**

**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 and Manager only)
  
  (4.2 DSS Console Features)
3.3 Operator/Manager Service 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

Lift the handset or press SP-PHONE/MONITOR.

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.

Hang up or press SP-PHONE/MONITOR.

Confirmation tone and dial tone

• 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.

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

Lift the handset or press SP-PHONE/MONITOR.

Dial 780#. Hang up or press SP-PHONE/MONITOR.

Confirmation tone and dial tone

Confirming the current mode (with a display PT only)

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)
- 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.)
- Station Programming — Day Button Assignment (Operator and Manager only)
  Lunch Button Assignment (Operator and Manager only)
  Night Button Assignment (Operator and Manager only)
- Toll Restriction (→ See the Installation Manual.)
3.3 Operator/Manager Service Features

Timed Reminder, Remote (Wake-Up Call)

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

**Setting**

<table>
<thead>
<tr>
<th>PT</th>
<th>Lift the handset or press SP-PHONE/MONITOR.</th>
<th>Dial 764.</th>
<th>Dial the desired extension number (100 through 199).</th>
<th>Dial #.</th>
<th>Confirmation tone and dial tone</th>
<th>Dial 76.</th>
<th>Enter the hour (01 through 12).</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Enter the minute (00 through 59).</td>
<td>0 or 1</td>
<td>For AM: Dial 0.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 or 2</td>
<td>For PM: Dial 1.</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>For a one time alarm*: Dial 1.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>For a daily alarm*: Dial 2.</td>
<td></td>
<td></td>
<td></td>
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<td></td>
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</tr>
<tr>
<td></td>
<td>Enter the minute</td>
<td>0 or 1</td>
<td>For AM: Dial 0.</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 or 2</td>
<td>For PM: Dial 1.</td>
<td></td>
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</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>For a one time alarm*: Dial 1.</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>For a daily alarm*: Dial 2.</td>
<td></td>
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</tr>
</tbody>
</table>

* An alarm will be heard at the preset time and then the setting is cleared.
*2 An alarm will be heard daily at the preset time until the setting is changed or canceled.

**Canceling**

<table>
<thead>
<tr>
<th>PT</th>
<th>Lift the handset or press SP-PHONE/MONITOR.</th>
<th>Dial 764.</th>
<th>Dial the desired extension number (100 through 199).</th>
<th>Dial #.</th>
<th>Confirmation tone and dial tone</th>
<th>Dial 762#</th>
<th>Confirmation tone</th>
<th>Hang up or press SP-PHONE/MONITOR.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tr>
</tbody>
</table>

<PT Display Example>

Alarm Cancel
### 3.3 Operator/Manager Service Features

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

<table>
<thead>
<tr>
<th>PT</th>
<th>Lift the handset or press SP-PHONE/MONITOR.</th>
<th>Dial 764.</th>
<th>Dial the desired extension number (100 through 199).</th>
<th>Dial #.</th>
<th>Confirmation tone and dial tone</th>
</tr>
</thead>
</table>

Lift the handset or press SP-PHONE/MONITOR.
Dial 764.
Dial the desired extension number (100 through 199).
Dial #.
Confirmation tone and dial tone

Dial 763#.
Hang up or press SP-PHONE/MONITOR.

• If “10:10” has been set:
  <PT Display Example>
  
  Alarm 10:10AM — one time
  or
  Alarm 10:10AM — daily

**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
### 3.3 Operator/Manager Service Features

**Extension Password Set (Manager only)**

The manager can assign a password to each extension. The assigned password can be used for the Walking COS feature.

#### Setting

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

**Feature Reference**

Walking COS

---

**Conditions**

- The extension number is displayed in the order of the jack number when you press the NEXT or PREV button.
- To erase an incorrect entry, press the CLEAR (TRANSFER) button and enter a new number.

---

**Feature Reference**

Walking COS
Section 4

DSS Console Features
(KX-T7040)

Contents

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   Location of Controls .......................................................... 4-3

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<Note>
All paired telephone illustrations used in the operating instructions are based on the KX-T7130 model.
4.1 Configuration

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 setting and cancel the Live Call Screening (Live Call Screening (LCS)†)
- Quick setting of Voice Mail Transfer (Voice Mail 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

† Available when the KX-TA624 is connected to a Proprietary Telephone capable Panasonic Voice Processing System (one that supports APT Integration; KX-TVS50).
4.1 Configuration

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.
4.2  DSS Console Features

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.

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) Live Call Screening (LCS) Button†
  - d) Live Call Screening (LCS) Cancel Button†
  - e) Voice Mail (VM) Transfer Button†
  - f) Day Button (Operator and Manager only)
  - g) Night Button (Operator and Manager only)
  - h) Lunch Button (Operator and Manager only)
  - i) 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,
    Live Call Screening (LCS) Button†
    Live Call Screening (LCS) Cancel Button†
    One-Touch Dialing Button
    Voice Mail (VM) Transfer Button†

† Available when the KX-TA624 is connected to a Proprietary Telephone capable Panasonic Voice Processing System (one that supports APT Integration; KX-TVS50).
4.2 **DSS Console Features**

**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”.

![PT and DSS Console Diagram](image)

Press the desired DSS button. Dial 1. Enter the desired extension number (100 through 199). Press AUTO DIAL/STORE.

Repeat these steps to program numbers for other DSS buttons.

— 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 twenty-four 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 Diagram](image)

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.

Repeat these steps to program numbers for other DSS or PF buttons.

• 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”.

---

*DSS Console Features* 4-5
4.2 **DSS Console Features**

**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”.

![Diagram of PT and DSS Console for One-Touch Access Assignment](image)

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.

Repeat these steps to program numbers for other DSS or PF buttons.

• 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”.

**Live Call Screening (LCS) Button Assignment** †
You can assign a DSS button as the Live Call Screening (LCS) button.

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

![Diagram of PT and DSS Console for LCS Button Assignment](image)

Press the desired DSS button you wish to assign as the Live Call Screening button.

Dial 92.

Press AUTO DIAL/STORE.

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

† Available when the KX-TA624 is connected to a Proprietary Telephone capable Panasonic Voice Processing System (one that supports APT Integration; KX-TVS50).
### 4.2 DSS Console Features

#### Live Call Screening (LCS) Cancel Button Assignment †
You can assign a DSS button as the Live Call Screening (LCS) Cancel button.

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

<table>
<thead>
<tr>
<th>PT and DSS Console</th>
</tr>
</thead>
<tbody>
<tr>
<td>[DSS Console ]</td>
</tr>
<tr>
<td>[DSS Cancel Button]</td>
</tr>
</tbody>
</table>

Press the desired DSS button you wish to assign as the Live Call Screening Cancel button. Dial 93. Press AUTO DIAL/STORE.

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

#### Voice Mail (VM) Transfer Button Assignment †
You can assign a DSS button as the Voice Mail (VM) Transfer button.

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

<table>
<thead>
<tr>
<th>PT and DSS Console</th>
</tr>
</thead>
<tbody>
<tr>
<td>[DSS Console ]</td>
</tr>
<tr>
<td>[DSS VM Transfer Button]</td>
</tr>
</tbody>
</table>

Press the desired DSS button you wish to assign as the VM Transfer button. Dial 94. Enter the Voice Mail extension number. Press AUTO DIAL/STORE.

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

† Available when the KX-TA624 is connected to a Proprietary Telephone capable Panasonic Voice Processing System (one that supports APT Integration; KX-TVS50).
### 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”.

<table>
<thead>
<tr>
<th>DSS Console</th>
<th>Paired telephone</th>
<th>Paired telephone</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Press the desired DSS button. Dial 4. Press AUTO DIAL/STORE.

— 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”.

<table>
<thead>
<tr>
<th>DSS Console</th>
<th>Paired telephone</th>
<th>Paired telephone</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Press the desired DSS button. Dial 5. Press AUTO DIAL/STORE.

— To exit the Station Programming mode, set the MEMORY switch to “SET”.
4.2 DSS Console Features

**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”.

![PT and DSS Console](image)

Press the desired DSS button. Dial 6. Press AUTO DIAL/STORE.

— 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”.

![PT and DSS Console](image)

Press the desired DSS button. Dial 7. Enter the desired extension number (100 through 199). Press AUTO DIAL/STORE.

Repeat these steps to program numbers for other DSS buttons.

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

4.2 DSS Console Features

Station Programming Cancel
To cancel after programming

<table>
<thead>
<tr>
<th>PT and DSS Console</th>
<th>[DSS Console]</th>
<th>[Paired telephone]</th>
<th>[Paired telephone]</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2</td>
<td>AUTO DIAL</td>
<td>STORE</td>
</tr>
</tbody>
</table>

Press the DSS or PF button which you wish to cancel.
Dial 2. Press AUTO DIAL/STORE.

- The number is canceled.
4.2  DSS Console Features

Direct Station Dialing

An extension can be called and accessed, by simply pressing a DSS button. The BLF shows if the extension is engaged.

One-Touch Dialing

The stored number is dialed automatically by pressing a programmed DSS or PF button.

One-Touch Access for System Features

You can access system features by pressing a programmed DSS or PF button.
4.2 DSS Console Features

Call Transfer

A call can be transferred to an extension using a DSS button.

Without Transfer

<table>
<thead>
<tr>
<th>PT and DSS Console</th>
</tr>
</thead>
<tbody>
<tr>
<td>During a conversation</td>
</tr>
<tr>
<td>[Paired Telephone]</td>
</tr>
<tr>
<td>TRANSFER</td>
</tr>
<tr>
<td>Press TRANSFER.</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>PT and DSS Console</th>
</tr>
</thead>
<tbody>
<tr>
<td>During a conversation</td>
</tr>
<tr>
<td>[DSS Console]</td>
</tr>
<tr>
<td>Press the desired DSS button.</td>
</tr>
</tbody>
</table>

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

Programming Reference

• System Programming — Installation Manual
  [005] One-Touch Transfer Using a DSS Button
Section 5
Appendix

Contents

Display Examples ................................................................. 5-2
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Tone List ............................................................................. 5-11
Troubleshooting ................................................................. 5-13
## Appendix

### Display Examples

<table>
<thead>
<tr>
<th>Display</th>
<th>Description</th>
</tr>
</thead>
</table>
| **Set Time & Date** | Factory setting.  
The system clock is not working properly.                                                                                   |
| Jan 1 12:00AM    | The current date and time using a 12-hour clock.                                                                                             |
| Jan 1 20:00      | 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.                                                                                                                |
| 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*-name.                                                                                      |
| 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.                                                                                |
| 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.                                                                                                                           |
### 5 Appendix

<table>
<thead>
<tr>
<th>Display</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Back at 11:00AM</td>
<td>Absent Message 4.</td>
</tr>
<tr>
<td>BGM off</td>
<td>Stopped BGM.</td>
</tr>
<tr>
<td>BGM on</td>
<td>Started BGM.</td>
</tr>
<tr>
<td>Busy</td>
<td>The called doorphone or external pager is in use.</td>
</tr>
<tr>
<td>Busy Ovrde Allow</td>
<td>Canceled “Executive Busy Override Deny”.</td>
</tr>
<tr>
<td>Busy Ovrde Deny</td>
<td>Completed setting “Executive Busy Override Deny”.</td>
</tr>
<tr>
<td>C.Pickup Allow</td>
<td>Canceled “Call Pickup Deny”.</td>
</tr>
<tr>
<td>C.Pickup Deny</td>
<td>Completed setting “Call Pickup Deny”.</td>
</tr>
<tr>
<td>Call on CO 1</td>
<td>Called by an outside (CO) line.</td>
</tr>
<tr>
<td>Call Prked at 1</td>
<td>Completed setting “Call Park”.</td>
</tr>
<tr>
<td>Callback All COs</td>
<td>Completed setting “Camp-On” when there is no idle outside (CO) line.</td>
</tr>
<tr>
<td>Callback CO 1</td>
<td>Completed setting “Camp-On”.</td>
</tr>
<tr>
<td>Callback CO G1</td>
<td>Completed setting “Camp-On”.</td>
</tr>
<tr>
<td>Callback Ext 101</td>
<td>Completed setting “Camp-On”.</td>
</tr>
<tr>
<td>CID Log Clear</td>
<td>Cleared all logs.</td>
</tr>
<tr>
<td>CO 1</td>
<td>An idle outside (CO) line is seized.</td>
</tr>
<tr>
<td>CO 1 0:01'15</td>
<td>The duration time of incoming outside call.</td>
</tr>
<tr>
<td>CO 1 &amp; CO 2</td>
<td>A Conference with two outside (CO) lines.</td>
</tr>
<tr>
<td></td>
<td>Called by hold recall. — “Conference, Unattended”.</td>
</tr>
<tr>
<td>CO 3 Free</td>
<td>Called by “Camp-On” (Outside (CO) line recall).</td>
</tr>
<tr>
<td>Conference</td>
<td>Confirming key programming on the Conference button.</td>
</tr>
<tr>
<td>CO in Use</td>
<td>The selected outside (CO) line is busy.</td>
</tr>
<tr>
<td>CO Not Assigned</td>
<td>The desired outside (CO) line is restricted (not assigned).</td>
</tr>
<tr>
<td>CW(CO) Off</td>
<td>Canceled “Call Waiting” for outside calls.</td>
</tr>
<tr>
<td>CW(CO) On</td>
<td>Completed setting “Call Waiting” for outside calls.</td>
</tr>
<tr>
<td>CW(Ext) Off</td>
<td>Canceled “Call Waiting” for intercom calls.</td>
</tr>
<tr>
<td>CW(Ext) On</td>
<td>Completed setting “Call Waiting” for intercom calls.</td>
</tr>
<tr>
<td>Data Mode Off</td>
<td>Canceled “Data Line Security”.</td>
</tr>
<tr>
<td>Data Mode On</td>
<td>Completed setting “Data Line Security”.</td>
</tr>
<tr>
<td>Day Mode</td>
<td>Day mode status. — “Time (Day/Night/Lunch) Service”</td>
</tr>
<tr>
<td>Display</td>
<td>Description</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Do Not Disturb</td>
<td>Confirming the key programming on the FWD/DND button.</td>
</tr>
<tr>
<td></td>
<td>Completed setting “Do Not Disturb (DND)”.</td>
</tr>
<tr>
<td>D - Opener 1-On</td>
<td>Completed opening the door.</td>
</tr>
<tr>
<td>Door Phone 1</td>
<td>Making or receiving a doorphone call.</td>
</tr>
<tr>
<td>Ext101 &amp; CO 1</td>
<td>Conference with an extension and outside (CO) line.</td>
</tr>
<tr>
<td>Ext101 &amp; Ext102</td>
<td>Conference with two extensions.</td>
</tr>
<tr>
<td>Enter ACCNT Code</td>
<td>Pressing the FWD/DND or PAUSE button.</td>
</tr>
<tr>
<td></td>
<td>— “Account Code Entry”</td>
</tr>
<tr>
<td>Ext Data Clear</td>
<td>Executed “Station Feature Clear”.</td>
</tr>
<tr>
<td>External Page</td>
<td>Accessed to “Paging — External”.</td>
</tr>
<tr>
<td>FWD(ALL) All COs</td>
<td>Completed setting “Call Forwarding — to Outside (CO) Line”.</td>
</tr>
<tr>
<td></td>
<td>Confirming the key programming on the FWD/DND button.</td>
</tr>
<tr>
<td>FWD (All) CO G1</td>
<td>Completed setting “Call Forwarding — to Outside (CO) Line” (- to outside (CO) line group).</td>
</tr>
<tr>
<td></td>
<td>Confirming the key programming on the FWD/DND button.</td>
</tr>
<tr>
<td>FWD(ALL) Ext101</td>
<td>Completed setting “Call Forwarding — All Calls”.</td>
</tr>
<tr>
<td></td>
<td>Confirming the key programming on the FWD/DND button.</td>
</tr>
<tr>
<td>FWD(B/NA) Ext101</td>
<td>Completed setting “Call Forwarding — Busy/No Answer”.</td>
</tr>
<tr>
<td></td>
<td>Confirming the key programming on the FWD/DND button.</td>
</tr>
<tr>
<td>FWD(From) Ext101</td>
<td>Completed setting “Call Forwarding — Follow Me”.</td>
</tr>
<tr>
<td>FWD/DND Cancel</td>
<td>Canceled “Call Forwarding” or “Do Not Disturb (DND)”.</td>
</tr>
<tr>
<td>FWD V.M. Off</td>
<td>Canceled “Call Forwarding to Voice Mail”.</td>
</tr>
<tr>
<td>FWD V.M. On</td>
<td>“Call Forwarding to Voice Mail — setting A” is set.</td>
</tr>
<tr>
<td>FWD V.M. (#6) On</td>
<td>“Call Forwarding to Voice Mail — setting B” is set.</td>
</tr>
<tr>
<td>Gone Home</td>
<td>Absent Message 2.</td>
</tr>
<tr>
<td>Group Log In</td>
<td>“Log-In” is set.</td>
</tr>
<tr>
<td>Group Log Out</td>
<td>“Log-Out” is set.</td>
</tr>
<tr>
<td>In a Meeting</td>
<td>Absent Message 6.</td>
</tr>
<tr>
<td>Incoming Log Off</td>
<td>Canceled “Incoming Call Log”.</td>
</tr>
<tr>
<td>Incoming Log On</td>
<td>“Incoming Call Log” is set.</td>
</tr>
<tr>
<td>LCS</td>
<td>Completed setting “Live Call Screening (LCS)”.</td>
</tr>
<tr>
<td>LCS Cancel</td>
<td>Canceled “Live Call Screening (LCS)”.</td>
</tr>
<tr>
<td><strong>Display</strong></td>
<td><strong>Description</strong></td>
</tr>
<tr>
<td>-----------------------</td>
<td>-----------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Locked : 1234</td>
<td>Completed setting “Call Log Lock, Incoming”.</td>
</tr>
<tr>
<td></td>
<td>Completed setting “Electronic Station Lockout”.</td>
</tr>
<tr>
<td>Lunch Mode</td>
<td>Lunch mode status.</td>
</tr>
<tr>
<td></td>
<td>— “Time (Day/Night/Lunch) Service”</td>
</tr>
<tr>
<td>Message Cancel</td>
<td>Canceled Absent Message.</td>
</tr>
<tr>
<td>MW at Ext 101</td>
<td>Completed setting “Message Waiting”.</td>
</tr>
<tr>
<td>MW Not Accepted</td>
<td>The “Message Waiting” setting was not accepted.</td>
</tr>
<tr>
<td>MW Cancelled</td>
<td>Canceled “Message Waiting”.</td>
</tr>
<tr>
<td>New:02 Old:03</td>
<td>Confirming the number of logged calls.</td>
</tr>
<tr>
<td>Night Mode</td>
<td>Night mode status.</td>
</tr>
<tr>
<td></td>
<td>— “Time (Day/Night/Lunch) Service”</td>
</tr>
<tr>
<td>No Held Call</td>
<td>There is not a held call when retrieving a call on hold or parked call.</td>
</tr>
<tr>
<td>No Incoming Call</td>
<td>There is not an incoming call when trying to pick up a call.</td>
</tr>
<tr>
<td>No Page</td>
<td>When trying to answer a page, there is no call or someone has already answered the page.</td>
</tr>
<tr>
<td>Not Valid</td>
<td>Illegal operation.</td>
</tr>
<tr>
<td>Out Until 12/12</td>
<td>Absent Message 5.</td>
</tr>
<tr>
<td>Paging All</td>
<td>Accessing “Paging — All”.</td>
</tr>
<tr>
<td>Paging All Ext</td>
<td>Accessed “Paging — Group” (- to all extensions).</td>
</tr>
<tr>
<td>Paging Allow</td>
<td>Canceled “Paging — DENY”.</td>
</tr>
<tr>
<td>Paging Deny</td>
<td>“Paging — DENY” is set.</td>
</tr>
<tr>
<td>Paging Group 1</td>
<td>Accessed “Paging — Group” (- to a particular extension group).</td>
</tr>
<tr>
<td>Park at 1 N/A</td>
<td>The “Call Park” setting was not available.</td>
</tr>
<tr>
<td>Password:123</td>
<td>Completed setting the LCS password.</td>
</tr>
<tr>
<td></td>
<td>— “Live Call Screening (LCS)”</td>
</tr>
<tr>
<td>Password Cancel</td>
<td>Canceled the LCS password.</td>
</tr>
<tr>
<td></td>
<td>— “Live Call Screening (LCS)”</td>
</tr>
<tr>
<td>PITS-PGM NO?        →</td>
<td>Entered the Station Programming mode.</td>
</tr>
<tr>
<td>PSD Set 1</td>
<td>“Personal Speed Dialing” is set.</td>
</tr>
<tr>
<td>PSD 1 Not Stored</td>
<td>Confirming the Personal Speed Dialing number.</td>
</tr>
<tr>
<td>RCL: Ext 101</td>
<td>Called by transfer recall, without a name.</td>
</tr>
<tr>
<td></td>
<td>— “Call Transfer”</td>
</tr>
<tr>
<td>Restricted</td>
<td>The outgoing call is restricted.</td>
</tr>
</tbody>
</table>
## Appendix

<table>
<thead>
<tr>
<th>Display</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Room Monitor Off</td>
<td>Canceled “Room Monitor”.</td>
</tr>
<tr>
<td>Room Monitor On</td>
<td>“Room Monitor” is set.</td>
</tr>
<tr>
<td>Set COS Ext101</td>
<td>The walking COS feature is set.</td>
</tr>
<tr>
<td>Transfer to CO</td>
<td>The destination extension has set “Call Forwarding — to Outside (CO) Line”.</td>
</tr>
<tr>
<td>Unlocked</td>
<td>Canceled “Call Log Lock, Incoming”. Canceled “Electronic Station Lockout”.</td>
</tr>
<tr>
<td>Will Return Soon</td>
<td>Absent Message 1.</td>
</tr>
</tbody>
</table>

### Examples — in Station Programming mode

<table>
<thead>
<tr>
<th>Display</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CID Indication</td>
<td>The Caller ID Indication button is assigned.</td>
</tr>
<tr>
<td>CID Selection</td>
<td>The Caller ID Selection button is assigned.</td>
</tr>
<tr>
<td>CO-1</td>
<td>The Single-CO (S-CO) button is assigned.</td>
</tr>
<tr>
<td>Conference</td>
<td>The Conference (CONF) button is assigned.</td>
</tr>
<tr>
<td>C.W.Tone-1</td>
<td>Selecting a Call Waiting tone.</td>
</tr>
<tr>
<td>Day</td>
<td>The Day button is assigned.</td>
</tr>
<tr>
<td>Ext101: 1234</td>
<td>Assigned an extension password.</td>
</tr>
<tr>
<td>EXT-123</td>
<td>The DSS button is assigned.</td>
</tr>
<tr>
<td>Function Clear</td>
<td>Station Programming data can be cleared.</td>
</tr>
<tr>
<td>FWD/DND</td>
<td>The FWD/DND button is assigned.</td>
</tr>
<tr>
<td>Group Log In/Out</td>
<td>The Log-In/Log-Out button is assigned.</td>
</tr>
<tr>
<td>Hands-free</td>
<td>Selecting a Hands-free mode.</td>
</tr>
<tr>
<td></td>
<td>— “Live Call Screening (LCS)”.</td>
</tr>
<tr>
<td>Jack01&lt;&gt;EXT101</td>
<td>Confirming a jack number and extension number.</td>
</tr>
<tr>
<td>LCS</td>
<td>The Live Call Screening (LCS) button is assigned.</td>
</tr>
<tr>
<td>LCS Cancel</td>
<td>The Live Call Screening (LCS) Cancel button is assigned.</td>
</tr>
<tr>
<td>Lock Release</td>
<td>“Electronic Station Lockout — CANCEL ALL” is set.</td>
</tr>
<tr>
<td>Lunch</td>
<td>The Lunch button is assigned.</td>
</tr>
<tr>
<td>Message Waiting</td>
<td>Restored the Message Waiting (MESSAGE) button.</td>
</tr>
<tr>
<td>Night</td>
<td>The Night button is assigned.</td>
</tr>
</tbody>
</table>
## 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

<table>
<thead>
<tr>
<th>Feature</th>
<th>Number</th>
<th>Additional Required Digits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Absent Message Capability set / cancel</td>
<td>75</td>
<td>1–6 / 0 + #</td>
</tr>
<tr>
<td>Account Code Entry for an SLT</td>
<td>49 or  * *</td>
<td>Account code</td>
</tr>
<tr>
<td>Call Forwarding set / cancel</td>
<td>71</td>
<td>1–3 + desired number / 0 + #</td>
</tr>
<tr>
<td>Call Forwarding — Follow Me set / cancel</td>
<td>71</td>
<td>5 / 8 + EXTN. (extension no.) + #</td>
</tr>
<tr>
<td>Call Hold (Hold Mode 2 or 3) for an SLT</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>Call Hold, Retrieve outside call / intercom call</td>
<td>53 / 5</td>
<td>CO (outside line no.) / EXTN.</td>
</tr>
<tr>
<td>Call Log, Incoming set / cancel</td>
<td>737</td>
<td>1 / 0 + #</td>
</tr>
<tr>
<td>Call Log Lock, Incoming lock unlock</td>
<td>77</td>
<td>0000–9999 twice + #</td>
</tr>
<tr>
<td>Call Log All Clear</td>
<td>70*#</td>
<td>0000–9999 + #</td>
</tr>
<tr>
<td>Call Park / Call Park Retrieve</td>
<td>22 / 52</td>
<td>0–9</td>
</tr>
<tr>
<td>Call Pickup, Directed</td>
<td>4</td>
<td>EXTN.</td>
</tr>
<tr>
<td>Call Pickup, Group</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>Call Pickup Deny set / cancel</td>
<td>72</td>
<td>1 / 0 + #</td>
</tr>
<tr>
<td>Call Retrieving from TAM</td>
<td>4*¹</td>
<td></td>
</tr>
<tr>
<td>Call Waiting set / cancel for extensions</td>
<td>732</td>
<td>1 / 0 + #</td>
</tr>
<tr>
<td>Call Waiting set / cancel for outside (CO) lines</td>
<td>731</td>
<td>1 / 0 + #</td>
</tr>
<tr>
<td>Data Line Security set / cancel</td>
<td>730</td>
<td>1 / 0 + #</td>
</tr>
<tr>
<td>Do Not Disturb (DND) set / cancel</td>
<td>71</td>
<td>4 / 0 + #</td>
</tr>
<tr>
<td>Doorphone Call calling / door open</td>
<td>31 / 55</td>
<td>1–4</td>
</tr>
<tr>
<td>Electronic Station Lockout set cancel</td>
<td>77</td>
<td>0000–9999 twice + #</td>
</tr>
<tr>
<td>Executive Busy Override Deny set / cancel</td>
<td>733</td>
<td>0000–9999 + #</td>
</tr>
<tr>
<td>Extension Number</td>
<td>100–199</td>
<td>0 / 1 + #</td>
</tr>
<tr>
<td>External Feature Access</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Live Call Screening Password set cancel</td>
<td>77*</td>
<td>000–999 twice + #</td>
</tr>
<tr>
<td>Log-In / Log-Out</td>
<td>736</td>
<td>0 / 1 + #</td>
</tr>
</tbody>
</table>

*¹ Dial after dialing the TAM’s extension number and hearing its busy tone.
### Additional Required Digits

<table>
<thead>
<tr>
<th>Feature</th>
<th>Number</th>
<th>Additional Required Digits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Message Waiting set / cancel</td>
<td>70</td>
<td>(1 + EXTN.) / (2 + EXTN.) + #</td>
</tr>
<tr>
<td>Message Waiting cancel all messages</td>
<td>70</td>
<td>0 + #</td>
</tr>
<tr>
<td>Operator Call</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Outward Dialing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>— Line Access, Automatic</td>
<td>9</td>
<td>1–6</td>
</tr>
<tr>
<td>— Line Access, Outside (CO) Line Group</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>Paging — All</td>
<td>33</td>
<td>* or 9</td>
</tr>
<tr>
<td>Paging — External</td>
<td>34</td>
<td></td>
</tr>
<tr>
<td>Paging — Group all / particular</td>
<td>33</td>
<td>0 / 1–8</td>
</tr>
<tr>
<td>Paging — ANSWER</td>
<td>43</td>
<td></td>
</tr>
<tr>
<td>Paging — DENY set / cancel</td>
<td>734</td>
<td>1 / 0 + #</td>
</tr>
<tr>
<td>Personal Speed Dialing</td>
<td>1 * or #</td>
<td>0–9</td>
</tr>
<tr>
<td>Personal Speed Dialing store</td>
<td>2 *</td>
<td>(0–9) + phone no. + #</td>
</tr>
<tr>
<td>Personal Speed Dialing confirm</td>
<td>3 *</td>
<td>0–9 + #</td>
</tr>
<tr>
<td>Pickup Dialing (Hot Line) assign / set / cancel for an SLT</td>
<td>74</td>
<td>2 + phone no. / 1 / 0 + #</td>
</tr>
<tr>
<td>Redial, Last Number for an SLT</td>
<td>## or 80</td>
<td></td>
</tr>
<tr>
<td>Room Monitor set / cancel</td>
<td>735</td>
<td>1 / 0 + #</td>
</tr>
<tr>
<td>Station Feature Clear</td>
<td>79</td>
<td>#</td>
</tr>
<tr>
<td>System Speed Dialing for an SLT</td>
<td>*</td>
<td>00–99</td>
</tr>
<tr>
<td>Timed Reminder set</td>
<td>76</td>
<td>hhmm*2 + (0 / 1) + (1 / 2) + #</td>
</tr>
<tr>
<td>Timed Reminder cancel / confirm</td>
<td>76</td>
<td>2 / 3 + #</td>
</tr>
<tr>
<td>Timed Reminder, Remote cancel</td>
<td>764</td>
<td>EXTN. + # + 762#</td>
</tr>
<tr>
<td>Timed Reminder, Remote check</td>
<td>764</td>
<td>EXTN. + # + 763#</td>
</tr>
<tr>
<td>Timed Reminder, Remote set</td>
<td>764</td>
<td>EXTN. + # + 76 + hhmm*2 + (0 / 1) + (1 / 2) + #</td>
</tr>
<tr>
<td>Time Service set / cancel</td>
<td>78</td>
<td>1–3 / 0 + #</td>
</tr>
<tr>
<td>Walking COS</td>
<td>7 *</td>
<td>Extension password + EXTN. + #</td>
</tr>
</tbody>
</table>

*2 hhmm = hh: hour (01 - 12) / mm: minute (00 - 59)
## Feature Numbers

<table>
<thead>
<tr>
<th>Feature</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>While a busy tone is heard</strong></td>
<td></td>
</tr>
<tr>
<td>Automatic Callback Busy (Camp-On)</td>
<td>6</td>
</tr>
<tr>
<td>Busy Station Signaling (BSS)</td>
<td>1</td>
</tr>
<tr>
<td>Executive Busy Override</td>
<td>2</td>
</tr>
<tr>
<td><strong>While a Do Not Disturb tone is heard</strong></td>
<td></td>
</tr>
<tr>
<td>Do Not Disturb (DND) Override</td>
<td>2</td>
</tr>
<tr>
<td><strong>During a call or while talking</strong></td>
<td></td>
</tr>
<tr>
<td>Switching to Tone Alert</td>
<td>*</td>
</tr>
<tr>
<td>Conference</td>
<td>3</td>
</tr>
<tr>
<td>Door open</td>
<td>5</td>
</tr>
<tr>
<td>Pulse to Tone Conversion</td>
<td>*#</td>
</tr>
<tr>
<td><strong>When the telephone is on-hook</strong></td>
<td></td>
</tr>
<tr>
<td>Background Music (BGM) on / off</td>
<td>1</td>
</tr>
<tr>
<td>Time (Day/Night/Lunch) mode display</td>
<td>#</td>
</tr>
<tr>
<td>EXTN. and extension name / Date (day/month)</td>
<td>*</td>
</tr>
<tr>
<td>and time display / date (month/day/year/day of the week) display changing</td>
<td></td>
</tr>
</tbody>
</table>

### 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 “#”.
## Appendix

### Tone List

<table>
<thead>
<tr>
<th>Tone</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Confirmation Tone 1</td>
<td></td>
</tr>
<tr>
<td>Confirmation Tone 2</td>
<td></td>
</tr>
<tr>
<td>Confirmation Tone 3</td>
<td></td>
</tr>
<tr>
<td>Dial Tone 1</td>
<td></td>
</tr>
<tr>
<td>Dial Tone 2</td>
<td></td>
</tr>
<tr>
<td>Dial Tone 3</td>
<td></td>
</tr>
<tr>
<td>Busy Tone</td>
<td></td>
</tr>
<tr>
<td>Reorder Tone</td>
<td></td>
</tr>
<tr>
<td>Ringback Tone</td>
<td></td>
</tr>
<tr>
<td>Do Not Disturb (DND) Tone</td>
<td></td>
</tr>
<tr>
<td>Outside-to-Outside (CO-to-CO) Line</td>
<td></td>
</tr>
<tr>
<td>Call Limit Warning Tone</td>
<td></td>
</tr>
<tr>
<td>Call Waiting Tone 1</td>
<td>15 s</td>
</tr>
<tr>
<td>Call Waiting Tone 2 (Single)</td>
<td>5 s</td>
</tr>
<tr>
<td>Call Waiting Tone 2 (Double)</td>
<td></td>
</tr>
<tr>
<td>Call Waiting Tone 2 (Triple)</td>
<td></td>
</tr>
<tr>
<td>Hold Alarm</td>
<td>15 s</td>
</tr>
</tbody>
</table>
5 Appendix

< RING TONE >

<table>
<thead>
<tr>
<th>Call Type</th>
<th>Diagram</th>
</tr>
</thead>
<tbody>
<tr>
<td>Incoming Calls (Single) / Hold Recall (Outside calls)</td>
<td><img src="image" alt="Diagram" /></td>
</tr>
<tr>
<td>Incoming Calls (Double) / Hold Recall (Intercom calls)</td>
<td><img src="image" alt="Diagram" /></td>
</tr>
<tr>
<td>Incoming Calls (Triple) / Timed Reminder</td>
<td><img src="image" alt="Diagram" /></td>
</tr>
<tr>
<td>Callback Ringing (Camp-on Recall) / Doorphone Ringing (S-Double)</td>
<td><img src="image" alt="Diagram" /></td>
</tr>
</tbody>
</table>
## 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.

<table>
<thead>
<tr>
<th>Problem</th>
<th>Probable Cause</th>
<th>Possible Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nothing is heard in the hands-free mode.</td>
<td>The “Headset” mode is selected.</td>
<td>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).</td>
</tr>
<tr>
<td>The unit does not ring.</td>
<td>• An outside (CO) line number is not programmed.</td>
<td>• To program outside (CO) line numbers, refer to the Installation Manual. • Increase the Ringer Volume. Refer to “Initial Settings” (Section 1.1).</td>
</tr>
<tr>
<td>The display flashes the following message.</td>
<td>The system internal clock is not working properly.</td>
<td>Consult with an authorized Panasonic Factory Servicenter.</td>
</tr>
</tbody>
</table>