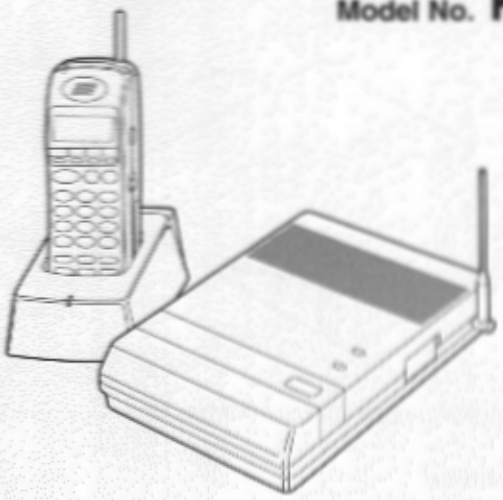
Panasonic

Wireless Phone

Operating Instructions

Model No. KX-T7885



Please read these Operating Instructions before using the unit and save for future reference.

Accessories (Included)

Handset One	Base Unit One	Charging Unit One		
AC Adaptor Two	Telephone Line Cord One	Battery* One	Handset Clip One	Wall Mounting Plate One

NOTE:

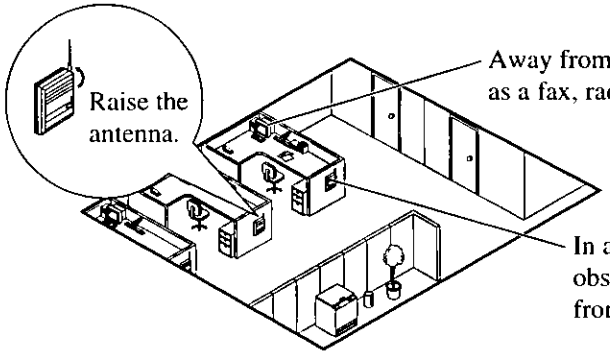
- The KX-T7885 can be used as a single line telephone (SLT) for home use. This is called "SLT mode" in this manual. The KX-T7885 can be connected to the Panasonic KX-T, KX-TA or KX-TD series. This is called "EMSS mode" in this manual.
- To order accessories, call toll free **1-800-332-5368**.
- *Battery: Please use only Panasonic KX-A276 battery.

Thank you for purchasing a Panasonic Wireless Phone.

For Best Performance

Noise

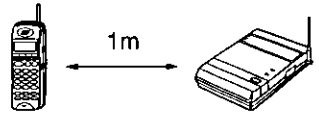
Calls are transmitted between the base unit and the handset using wireless radio waves. For maximum distance and noise free operation, the recommended base unit location is:



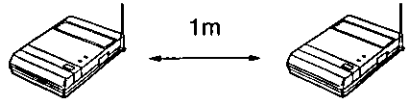
• Wireless telephones, except for the 900MHz telephone, can be used together.

Operating Distance

The handset should always be at least 1 m away from the base unit.



When using more than two base units, place the base units at least 1 m away from each other, or else proper radio transmission cannot be obtained.



Battery Charging

You must charge the battery for about 1.5 hours before initial use.
When charging is completed, the charge indicator will turn from red to green.

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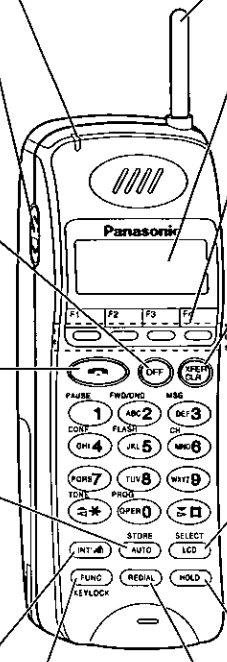
LOCATION OF CONTROLS

▷ Handset



Ringing Indicator
Flashes green when an incoming call is received.

Volume Control Button
Used to select the ringer or receiver volume or used to select the display of Flexible key.

(OFF) Button
Used to end calls or exit the programming mode.

(Talk) Button
Used to make, receive or end calls.

(AUTO) (Auto/Store) Button
Used for System Speed Dialing or storing program changes.

(INT) (Intercom) Button
Used to make or receive intercom calls.

(FUNC) (Function/Keylock) Button
Used to enter into the Function mode or access features by pressing additional keys or lock/unlock the key in idle status.

Antenna

Liquid Crystal Display

Flexible CO Buttons
(F1 through F12)
Used to seize a CO line or access one of several features.

(Transfer/Clear) Button
Used to clear incorrect digits while entering numbers, and transfer a call to another extension.

(LCD) (LCD/Select) Button
Used to refresh the LCD or select the item in programming mode.

(HOLD) (Hold) Button
Used to place a call on hold.

(REDIAL) (Redial) Button
Used to redial the last number dialed.

COMBINATION BUTTONS

Pause Button (FUNC ▶ 1)
Used to insert a pause in numbers.

FWD/DND Button (FUNC ▶ 2)
Used to set the Call Forwarding or Do Not Disturb (DND) features.

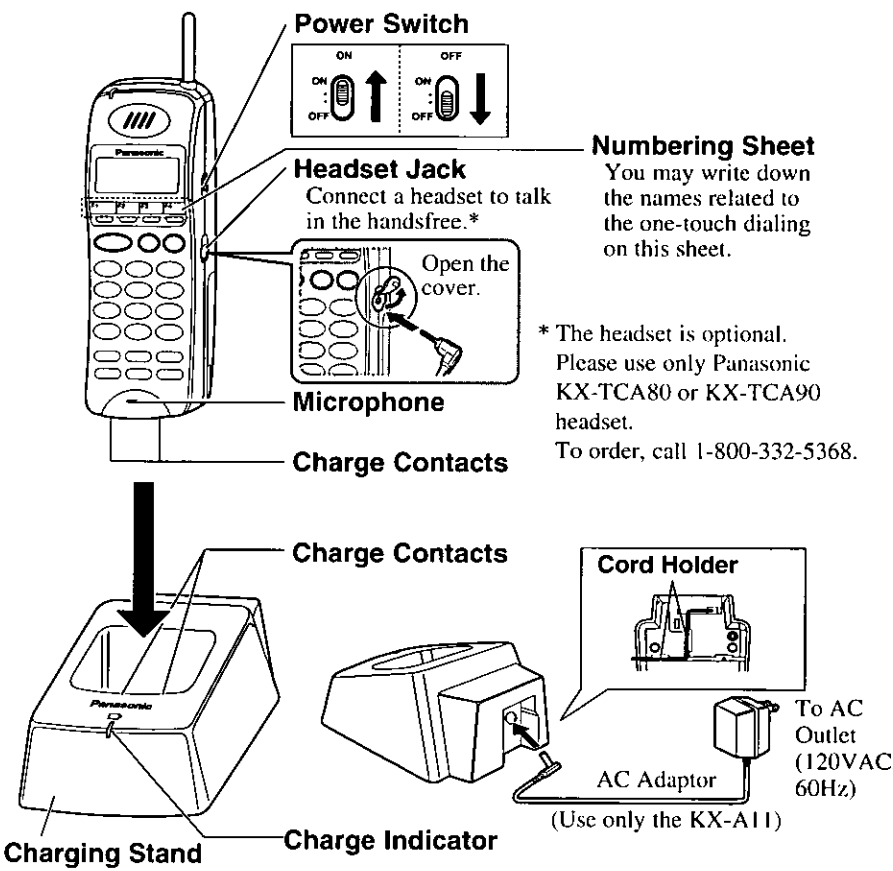
Message Button (FUNC ▶ 3)
Used to leave a notification to the called party or call back the message sender (Message Waiting).

Conference Button (FUNC ▶ 4)
Used to establish a three party conversation.

Flash Button (FUNC ▶ 5)
Used to disconnect a current call and make another call.

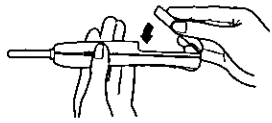
CH Button (FUNC ▶ 6)
Used to change the communication radio channel when encountering interference from another unit.

Program Button (FUNC ▶ 0)
Used to enter the programming mode.



INSTALLING AND CHARGING THE BATTERY

Installing a Battery



Hook the bottom of the battery on the handset, and place the battery in the handset until you hear a click.

Charging the Battery

You need to charge the battery before initial use and when the battery strength becomes low.

Slide the battery-attached handset in the charging stand (see page 5).

Charge the battery for about 1.5 hours. When charging is completed, the charge indicator will change from red to green.

Standard Battery Life

If your Panasonic battery is fully charged [at 25°C (77°F)]:

In Talk mode	Up to about 4 hours
In Stand-by mode	Up to about 50 hours

NOTE:

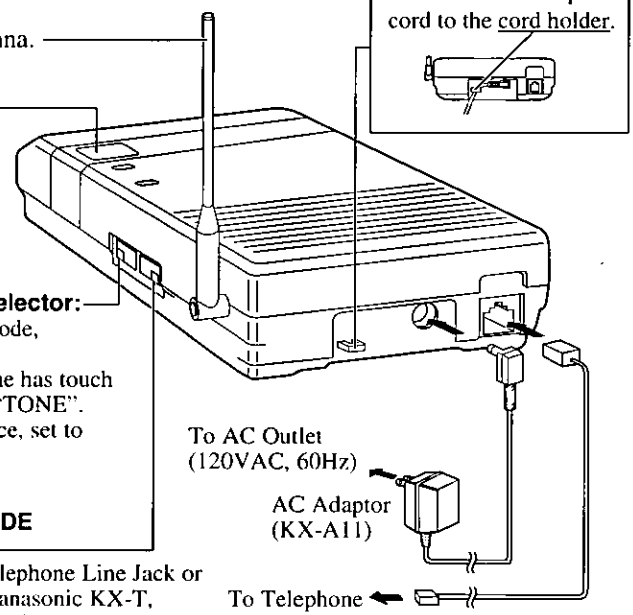
- When the battery strength becomes low, beep tones sound every fifteen seconds and battery low indicator ( ) appears on the LCD. During a conversation, the call will hang up automatically within five minutes. In these cases, recharge the battery.
- If the charge indicator is green, even before charging the battery, remove the battery and reinsert it after 5 seconds.
- The battery power is used even while the handset's power is OFF.
- Battery life may vary depending on usage conditions and ambient temperature.
- Please use only a Panasonic KX-A276 battery (see page 34).

CAUTION:

Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type recommended by the manufacturer.
Dispose of used batteries according to the manufacturer's instructions.
The product that you have purchased contains a rechargeable battery. The battery is recyclable. At the end of its useful life, under various state and local laws, it may be illegal to dispose of this battery into the municipal waste stream. Check with your local solid waste officials for details in your area for recycling options or proper disposal.

LOCATION OF CONTROLS AND CONNECTION FOR THE BASE UNIT

Base Unit



THE AC OUTLET POWER SOCKET SHOULD BE LOCATED NEAR THIS EQUIPMENT AND BE EASILY ACCESSIBLE.

NOTE:

- USE ONLY Panasonic AC ADAPTOR KX-A11. The adaptor must remain connected at all times.
- The AC adaptor may feel warm during use. This is normal.
- The unit will not function during a power failure.
- This unit cannot be connected in parallel with a single line telephone.
- If the unit does not operate after connecting the AC Adaptor to the AC Outlet, disconnect the AC Adaptor once and re-insert it.

BEFORE USING KX-T7885 IN EMSS MODE

This unit does not have speaker phone and monitor features. Therefore please take care of the following contents before using KX-T7885 in EMSS mode. Please refer to your PBX Manual for more information.

Alternative Calling –Ring/Voice	This unit cannot receive alternative voice call. Please inform another extension user not to use voice calling.
Live Call Screening	Hands Free Mode: LCS hands free mode is not available on this unit. **Please set to private mode only, by station programming.** To change the setting, please refer to the manual of your PBX. Private Mode: In this mode the user can monitor or answer the call. 1) To monitor the call Press when hearing alert tone. 2) To answer the call Press LCS key* when monitoring the call or hearing alert tone. * The LCS key has to be assigned on a Flexible Key before using this feature.
Back Ground Music	Back Ground Music is not available on this unit in spite of the BGM setting.
Parallel Connection	This unit cannot be connected in parallel with a single line telephone in EMSS mode. If the parallel connection mode of the PBX port is set to "Parallel ON (SLT ringing is enabled)", please set to "**Parallel OFF (SLT ringing is disabled)**". Please refer to your PBX manual for more information.

POWER ON/OFF

Power ON

1 Turn the **POWER** switch OFF to ON.

The LCD shows the date and time of PBX or your extension number (EMSS mode only).

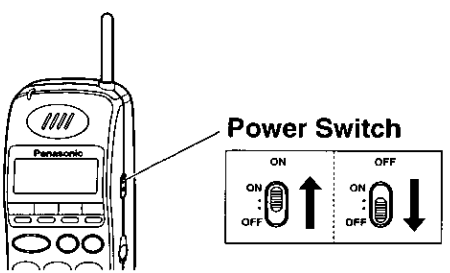
```
TUE MAY16 12:00P
 F1   F2   F3   F4
```

10 seconds later →

```
 F1   F2   F3   F4
```

Power OFF

1 Turn the **POWER** switch ON to OFF.



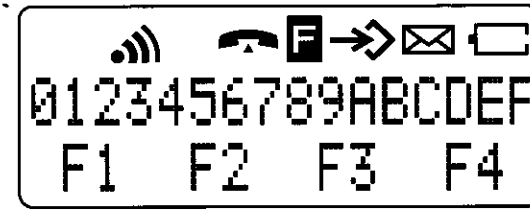
- If the following display appears, send phone to your nearest authorized service center.

```
Need Repair N
```

(N=1 – 3)

ABOUT THE LCD

The display has two lines with 16 characters per line, and related symbols to show information for call activities as shown below.



Description of Symbols

- Intercom Indicator
- In Use status
- In the Function mode
- In the Programming mode
- Message Waiting notification (You have a message.)
- Battery Low Indicator

NOTE:

– When you press (LCD) in on-hook status, the LCD shows the date and time of PBX or your extension number for 10 seconds.
(On-hook display) (EMSS mode only)
How to change the LCD depends on your PBX. Please refer to your PBX manual for more information.

1. Press (LCD).
   The date and time (day/month/time) of PBX are displayed.

```
TUE MAY16 12:00P
 F1  F2  F3  F4
```

2. Press (*).
   Your extension number is displayed.

```
 123: ABCDEFGHIJ
 F1  F2  F3  F4
```

3. Press (*).
   The date and time (day/month/time) of PBX are displayed.

```
TUE MAY16 12:00P
 F1  F2  F3  F4
```

4. The PBX information disappears after 10 seconds.

```
 F1  F2  F3  F4
```

– The LCD also shows Flexible Key Name.

1. Press (FUNC) first, then ▽ or △ (see page 29).

```
TUE MAY16 12:00P   TUE MAY16 12:00P   TUE MAY16 12:00P
 F1  F2  F3  F4     F5  F6  F7  F8     F9  F10 F11 F12
```

CONTROLLING THE VOLUME

Ringer Volume Adjustment

The ringer volume has three levels (low / middle / high). Moreover, you can select the Step Ringer mode, Vibrator mode or Off mode. **[Default: middle]**

1 Press ▽ or △ repeatedly to select the desired mode.
- Step Ringer mode: Rings progressively louder.
- Vibrator mode: The handset does not ring but vibrates.
- Off mode: The handset does not ring or vibrate. Only the indicator flashes green.

```
Ringer Volume
=High
```
High

```
Ringer Volume
=Middle
```
Middle

```
Ringer Volume
=Low
```
Low

```
Ringer Volume
=Step
```
Step Ringer mode

```
Ringer Volume
=Vibrate
```
Vibrator mode

Press ▽ for more than 2 seconds.

```
Ringer Volume
=Off
```
Off mode

NOTE:

- If you select Vibrator mode, the display will show "`Vibrate`" while the handset is idle.*
- If you select Off mode, the display will show "`Ringer OFF`" while the handset is idle.*

```
Vibrate
 F1  F2  F3  F4
```

```
Ringer OFF
 F1  F2  F3  F4
```

*This is unavailable when FWD/DND is set.

This information will not display in the following cases:
- While LCD shows your extension number or time
- While LCD shows duration time after finishing the conversation

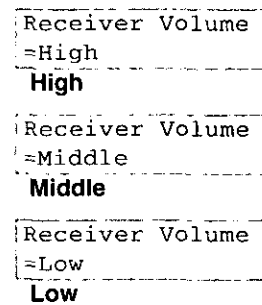
- When charging, the handset always rings for incoming calls (except in Off mode).
- In addition to the above, the Vibrator and Ringer mode (vibrates several times and then starts to ring) is available. Refer to "Vibrator and Ringer" in Handset Programming (see page 28).
- When you set ▽ and △ to "F-Key Select", you can select ringer volume by pressing (FUNC) first, then ▽ or △ (see page 29).

▷ Receiver/Headset Volume Adjustment

The receiver volume has three levels (low/middle/high).
This can be changed during a conversation.
[Default: middle]

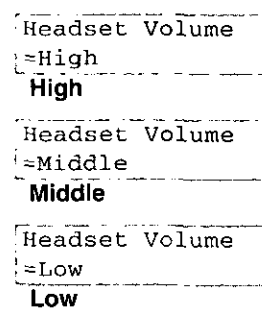
■ Receiver Volume

Press ▽ or △ repeatedly during a conversation.



■ Headset Volume

Press ▽ or △ repeatedly during a conversation.



NOTE:

- When you set ▽ and △ to "F-Key Select", you can select receiver or headset volume by pressing (FUNC) first, then ▽ or △ (see page 29).
- You can change the receiver volume when you are not using a headset.
- You can change the headset volume when using a headset.

CALLING

In EMSS mode

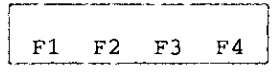
■ Intercom Calling

1 Press (INT') or (↩).

2 Dial the extension number.

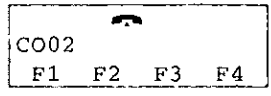
3 Talk.

4 Press (OFF) after finishing the conversation.

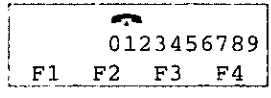


■ Outside Dialing, Line Access

1 Press (F1-F12) (**Flexible CO**) or (↩) then line access number.

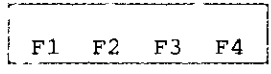


2 Dial the phone number.



3 Talk.

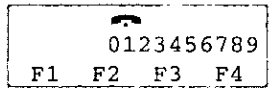
4 Press (OFF) after finishing the conversation.



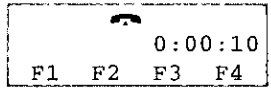
In SLT mode

1 Press (↩).

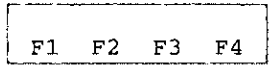
2 Dial the phone number.



3 Talk.



4 Press (OFF) after finishing the conversation.



(Continued)

NOTE:

- You can also enter the phone number first and then press (INT), (☎) or (F1-F12). (**Predialing**) (In SLT mode, (☎) button only)
- Predialing is unavailable in the following cases:
  - While LCD shows your extension number or time
  - While LCD shows duration time after finishing the conversation

  Press (OFF) before entering the phone number in these cases.
- You can change the dialing mode temporarily from pulse to tone during a call in SLT mode. Press (TONE ⇄ *) to change the dialing mode.
- You can select the display of Flexible Key by pressing (FUNC) first, then ▽ or △ (see page 29).
- Inserting a pause prevents misdialing. A pause can be inserted when you predial or while storing a number for memory dialing. Press (FUNC) then (PAUSE 1) to insert a pause.
- When you press (LCD), the display of proprietary telephone appears on your display. (**LCD Refresh**) You can refresh the LCD while idle and talking. (EMSS mode only)
- To confirm the connection mode, see page 7, "**CONNECTION MODE Selector**".

DIALING THE LAST NUMBER YOU DIALED (LAST NUMBER REDIAL)

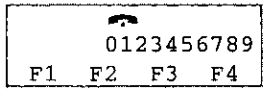
This unit automatically saves the last number you dialed.

1 Press (☎).

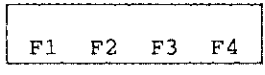
```
F1   F2   F3   F4
```

2 Press (REDIAL).

```
     0123456789
F1   F2   F3   F4
```



3 Press (OFF) after finishing the conversation.



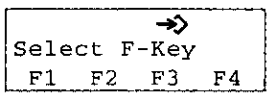
```
F1   F2   F3   F4
```

SPEED DIALING

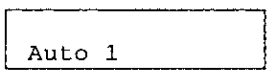
You can use the dial keys as Speed Dialing keys, and the stored number is dialed automatically by pressing Speed Dialing keys.

▷ Storing

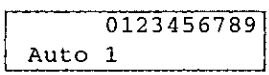
1 Enter Station Programming Mode.
• To enter the Programming mode, see page 26.



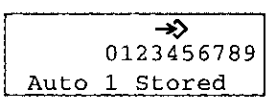
2 Enter speed dialing number (OPER 0 – WXYZ 9).



3 Enter a phone number (up to 20 digits).
• The valid characters are OPER 0 through WXYZ 9, ✱, #, Pause Button (FUNC ▶ PAUSE 1) and Flash Button (FUNC ▶ FLASH 5).
• You can clear all digits by pressing X-FER CLR.

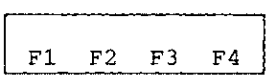


4 Press STORE AUTO.



5 To store another number, press HOLD then repeat steps 2 through 4.

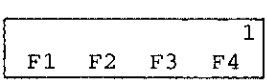
6 To exit, press OFF.

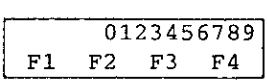


▷ Dialing

1 Press ☎.

2 Press AUTO and dial a speed dialing number (OPER 0 – WXYZ 9).





NOTE:

– You can use this feature only in SLT mode. To confirm the mode, see page 7, "**CONNECTION MODE Selector**".

MAKING CALLS

ONE-TOUCH DIALING

The stored number is dialed automatically by pressing a F1-F12 (Flexible Key), INT' or XPER CLR which is assigned as a one-touch dialing button.

Storing

1 Enter Station Programming Mode.
- To enter the Programming mode, see page 26.

```
Select F-Key
 F1  F2  F3  F4
```

2 Press ∨ or ∧ until the desired F-Key appears.

```
Select F-Key
 F5  F6  F7  F8
```

3 Press the desired F1-F12 (Flexible Key), INT' or XPER CLR.
- The valid characters are OPER 0 through WXYZ 9, ⇒*, ⇒□, Pause Button (FUNC ▶ PAUSE 1) and Flash Button (FUNC ▶ FLASH JKL 5).
- You can press ∨, ∧ or SELECT LCD to select another Flexible Key.

```
 F5
```

4 Enter a phone number (up to 20 digits).
- You can clear all digits by pressing XPER CLR.

```
                123
 F5
```

5 Press STORE AUTO.

```
                123
 F5       Stored
```

6 To store another number, press HOLD then repeat steps 2 through 5.

7 To exit, press OFF.

```
 F1  F2  F3  F4
```

Dialing

1 Press ☎.

2 Press an available one-touch key (F1-F12, INT', XPER CLR).

```
      0123456789
 F1  F2  F3  F4
```

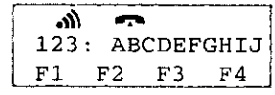
NOTE:
- You can use this feature only in SLT mode. To confirm the mode, see page 7, "**CONNECTION MODE Selector**".
- F1-F12 and INT' can be also assigned as a Full one-touch dialing button which you can press directly without pressing ☎.

Receiving Calls

In EMSS mode

Intercom Incoming Call

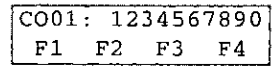
Your handset will ring or vibrate and the call indicator will flash green when a call is received.



1. Press [ ] or [INT'].
2. Press [OFF] after finishing the conversation.

```
123: ABCDEFGHIJ
F1  F2  F3  F4
```

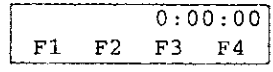
CO Incoming Call



1. Press the flashing [F1-F12] (Flexible CO) or [ ].
2. Press [OFF] after finishing the conversation.

```
CO01: 1234567890
 F1  F2  F3  F4
```

In SLT Mode



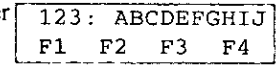
1. Press [ ].
2. Press [OFF] after finishing the conversation.

```
          0:00:00
F1  F2  F3  F4
```

Note:

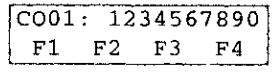
- When you receive an intercom call, the extension number and name of the receiving call appear on the display.

```
123: ABCDEFGHIJ
F1  F2  F3  F4
```



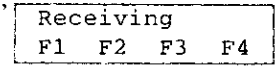
- When you receive a CO call, the CO line number or name of the receiving call appears on the display.

```
CO01: 1234567890
F1  F2  F3  F4
```



- When you receive a call in SLT mode, "Receiving" appears on the display.

```
Receiving
F1  F2  F3  F4
```



- [ ] (Message Waiting notification) on the display lets you know that a call has been received. To call back, see page 21. (EMSS mode only)
- To confirm the connection mode, see page 7, "**CONNECTION MODE Selector**".
- You can also answer the call by pulling out the handset from the charging stand.

During a Conversation

Placing a Call on Hold

You can place a call on hold.

1 Press (HOLD) during a conversation.

■ To retrieve a call on hold

Press the flashing (F1-F12) or (INT'l).

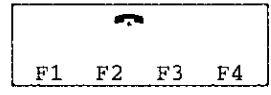
Note:

– In SLT mode, press (☎) to retrieve a call on hold. To confirm the mode, see page 7 "**CONNECTION MODE Selector**".

Three-party Conversation (Conference)

You can make a three-party conversation. The operations shown below are available when you connect to KX-TD500. If you connect to another system, refer to Features List (pages 42-45) or the connecting system manual.

1 Press (FUNC) then (CONF 4 GHI) during a conversation.



2 Dial the third party's number.

3 Press (FUNC) then (CONF 4 GHI) after the third party answers.

Note:

– You can use this feature only in EMSS mode. To confirm the mode, see page 7, "**CONNECTION MODE Selector**".

During a Conversation

Transferring a Call

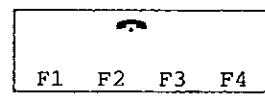
You can transfer a call to another extension or an outside party. The operations shown below are available when you connect to KX-TD500. If you connect to another system, refer to Features List (pages 42-45) or the connecting system manual.

▷Transferring a call to an extension

1. Press (XFER) during a conversation.

```
F1  F2  F3  F4
```

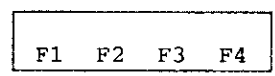
2. Dial the extension number.



```
                101
F1  F2  F3  F4
```

3. Press (OFF).

```
F1  F2  F3  F4
```

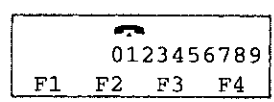


▷ Transferring a call to an outside line

1. Press (XFER) during a conversation.

```
F1  F2  F3  F4
```

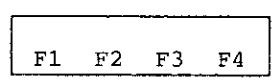
2. Press F1-F12 and dial the phone number.



```
      0123456789
F1  F2  F3  F4
```

3. Press (OFF).

```
F1  F2  F3  F4
```



This feature must be enabled by PBX programming.

Note:

– You can use this feature only in EMSS mode. To confirm the mode, see page 7, "**CONNECTION MODE Selector**".

MESSAGE WAITING

LEAVING A CALL NOTIFICATION

When the called extension is busy or does not answer, you can leave a notification to have the called extension call you back. The operations shown below are available when you connect to KX-TD500. If you connect to another system, refer to Features List (pages 42-45) or the connecting system manual.

▷ To leave a notification

1. Press (FUNC) then (MSG DEF 3) when the called extension is busy or does not answer.

```
MW at Ext101
F5  F6  F7  F8
```

2. Confirmation tone
3. Press (OFF).

▷ To leave/cancel a notification

1. Press (↩).
2. Press (PQRS 7)(OPER 0)(1) to set.
   Press (PQRS 7)(OPER 0)(OPER 0) to cancel.
3. Dial an extension number.
4. Press (OFF).

NOTE:

– You can use this feature only in EMSS mode. To confirm the mode, see page 7, "**CONNECTION MODE Selector**".

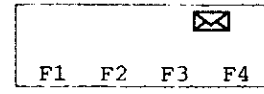
MESSAGE WAITING

CALL BACK WHEN YOU RECEIVE A NOTIFICATION

✉(Message Waiting Notification) on the display lets you know that a call has been received. The operations shown below are available when you connect to KX-TD500. If you connect to another system, refer to Features List (pages 42-45) or the connecting system manual.

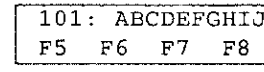
▷ To call back

1 Press ☎.



2 Press FUNC then MSG 3 .

3 An extension number appears on the display and the unit call back automatically.



▷ To clear all notifications

1 Press ☎.

2 Press FEA 7 OPER 0 OPER 0.

3 Dial your own extension number.

4 Press OFF.

NOTE:

– You can use this feature only in EMSS mode. To confirm the mode, see page 7, "**CONNECTION MODE Selector**".

FORWARDING YOUR CALLS (CALL FORWARDING [FWD])

Specified calls to your telephone are automatically forwarded to another preset extension. The operations shown below are available when you connect to KX-TD500. If you connect to another system, refer to Features List (pages 42-45) or the connecting system manual.

▷ Setting

1 Press ☎.

2 Press FUNC then 2 (FWD/DND).

3 Enter a feature number.
- — 2 : All Calls
- — 3 : Busy
- — 4 : No Answer
- — 5 : Busy/No Answer
- — 6 : To an outside line
- — 7 : Follow Me

4 Dial an extension number.
- If you select 6 in step 3, dial line access code, phone number then #.
- If you select 7 in step 3, dial your own extension number.

```
    ☎
FWD(ALL) Ext101
 F1   F2   F3   F4
```

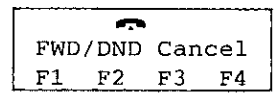
5 Press OFF.

NOTE:

– If FWD is set, the display will flash "FWD/DND" while the handset is idle.*
*This information will not display in the following cases:
- While LCD shows your extension number or time
- While LCD shows duration time after finishing the conversation

Canceling

1. Press ☎.
2. Press FUNC then FWD/DND ABC 2.
3. Enter a feature number.
   — OPER 0 : Cancel
   — TUV 8 : Cancel Follow Me



4. If you select TUV 8 in step 3, dial your own extension number.
5. Press OFF.

NOTE:

– You can use this feature only in EMSS mode. To confirm the mode, see page 7, "**CONNECTION MODE Selector**".

PREVENTING OTHERS FROM DISTURBING YOU (DO NOT DISTURB [DND])

Allows you to prevent other parties from disturbing you. Your extension does not receive intercom or CO calls. The operations shown below are available when you connect to KX-TD500. If you connect to another system, refer to Features List (pages 42-45) or the connecting system manual.

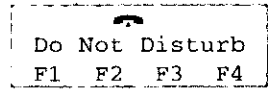
▷ Setting

1 Press .

2 Press (FUNC) then (FWD/DND ABC 2).

3 Press (1).

4 Press (OFF).



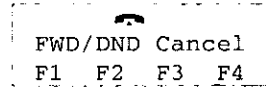
▷ Canceling

1 Press .

2 Press (FUNC) then (FWD/DND ABC 2).

3 Press (OPER 0).

4 Press (OFF).



NOTE:

- You can use this feature only in EMSS mode. To confirm the mode, see page 7 , "**CONNECTION MODE Selector**".
- If DND is set, the display will show "FWD/DND" while the handset is idle.*
  *This information will not display in the following cases:
  - While LCD shows your extension number or time
  - While LCD shows duration time after finishing the conversation

FLASH

You can disconnect the current call and make another call.

1 Press (FUNC) then (FLASH JKL 5) while hearing any tone, dialing or talking.

2 Make another call.

NOTE:

– You can use this feature only in EMSS mode. In SLT mode, this operation also functions as a hooking signal which is used to access special features offered by a PBX or Central Office.
To confirm the mode, see page 7 "**CONNECTION MODE Selector**".

KEY LOCK

You can lock the buttons (In idle status only).

▷ Setting (ON)

1 Press (FUNC KEYLOCK) for 1 second while idle.

```
Keylock ON
 F1  F2  F3  F4
```

▷ Canceling (OFF)

1 Press (FUNC KEYLOCK) for 1 second while idle.

NOTE:

– During the Key Lock mode, all buttons except (FUNC KEYLOCK) will not work in this status. However, you can answer the calls by pressing (INT'L), (↩) or flashing (F1-F12) and press any key when the unit is not in idle status.
– Key lock setting/canceling is unavailable in the following cases:
  • While LCD shows your extension number or time
  • While LCD shows duration time after finishing the conversation
Press (OFF) before pressing (FUNC KEYLOCK) in these cases.

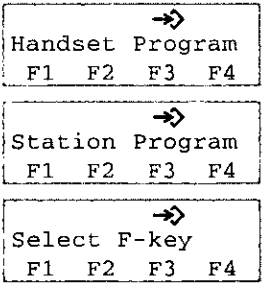
STATION PROGRAMMING

STATION PROGRAMMING IN SLT MODE

You have to enter this programming mode when you store telephone numbers for Speed Dialing and One-touch Dialing (see pages 15-16).

To enter Station Programming mode

1. Press (FUNC) then (PROG OPER 0).
2. Press (SELECT LCD).
3. Press (STORE AUTO).
4. To exit, press (OFF).

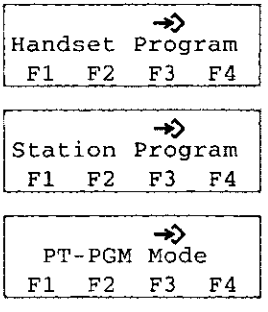


PBX STATION PROGRAMMING

PBX Station Programming allows you to program certain features of PBX from your telephone individually in EMSS mode. To program, you need to enter the PBX Station Programming mode. And during the programming mode, your handset is put in busy condition to caller. If you want to make a normal call handling operation, you should finish the programming mode. The features you can program depend on your PBX system. For details, please refer to the manual of your PBX.

To enter PBX Station Program mode

1. Press (FUNC) then (PROG OPER 0).
2. Press (SELECT LCD).
3. Press (STORE AUTO).
4. To exit, press (OFF).



HANDSET PROGRAMMING

PROGRAMMING INSTRUCTIONS

You can change the default settings or programming of handset according to your needs. The possible programmings are shown below in order they are displayed. For programming operations, see pages 28 to 32.

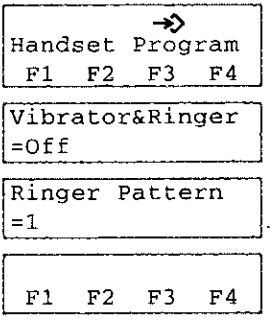
▷ To enter the Handset Programming Mode

1 Press (FUNC) then (PROG / 0).

2 Press (STORE / AUTO).

3 Select the menu by pressing (*) or (#).

4 To exit, press (OFF).



NOTE:

- If you receive a call while programming, the unit quits the programming mode.
- The unit returns to idle status if you do not program within 30 seconds. Do not pause for over 30 seconds while programming.

▷ The possible programmings

- Vibrator and Ringer (see page 28)
- Ringer Pattern Selection (see page 28)
- Key Click Tone Set (see page 29)
- Up/Down Key Assignment (see page 29)
- Automatic Flexible Key Selection (see page 30)
- LCD Contrast (see page 30)
- Back Light (see page 31)
- Flexible Key Name Set (see page 32)

HANDSET PROGRAMMING

VIBRATOR AND RINGER

When a call is received, your handset vibrates four times and then starts to ring.
[Default: Off]

1. Enter the Handset Programming mode and select "Vibrator and Ringer" menu by pressing (⇒*) or (⇄□).

```
Vibrator&Ringer
=Off
```

2. Press (SELECT LCD).

```
Vibrator&Ringer
=On
```

3. Press (⇒*) or (⇄□) to program other items.

4. To exit, press (OFF).

RINGER PATTERN SELECTION

You can select the ringer type (1 through 6) for receiving calls.
[Default: 1]

1. Enter the Handset Programming mode and select "Ringer Pattern" menu by pressing (⇒*) or (⇄□).

```
Ringer Pattern
=1
```

2. Press (SELECT LCD) or (1) – (MNO 6).
   - When you press (SELECT LCD), the next ringer pattern appears on the display.

```
Ringer Pattern
=2
```

3. Press (⇒*) or (⇄□) to program other items.

4. To exit, press (OFF).

HANDSET PROGRAMMING

KEY CLICK TONE SET

You can turn off the key tone which is heard when any button on your handset is pressed. **[Default: On]**

1. Enter the Handset Programming mode and select "Key Click" menu by pressing (⇒*) or (⇒□).

```
Key Click
=On
```

2. Press (SELECT LCD).

```
Key Click
=Off
```

3. Press (⇒*) or (⇒□) to program other items.

4. To exit, press (OFF).

UP/DOWN KEY ASSIGNMENT

You can set ∨ and ∧ to "Volume" key or "F-Key Select" key. **[Default: Volume]**

1. Enter the Handset Programming mode and select "Vol Key Assign" menu by pressing (⇒*) or (⇒□).

```
Vol Key Assign
=Volume
```

2. Press (SELECT LCD).

```
Vol Key Assign
=F-Key Select
```

3. Press (⇒*) or (⇒□) to program other items.

4. To exit, press (OFF).

NOTE:

- When you set ∨ and ∧ to Volume, press (FUNC) then ∨ or ∧ to F-Key Select.
- When you set ∨ and ∧ to F-Key Select, press (FUNC) then ∨ or ∧ to select Volume.

HANDSET PROGRAMMING

AUTOMATIC FLEXIBLE KEY SELECTION

When making or answering a call, you can see the green F-Key automatically on the display. **[Default: Off]**

1. Enter the Handset Programming mode and select "Auto Fkey Select" menu by pressing (⇒*) or (⇒□).

```
Auto FKey Select
=Off
```

2. Press (SELECT LCD).

```
Auto FKey Select
=On
```

3. Press (⇒*) or (⇒□) to program other items.

4. To exit, press (OFF).

NOTE:

– This feature is unavailable in SLT mode.

LCD CONTRAST

You can adjust the display contrast as desired. There are three contrast levels; Low, Middle and High. **[Default: High]**

1. Enter the Handset Programming mode and select "LCD Contrast" menu by pressing (⇒*) or (⇒□).

```
LCD Contrast
=High
```

2. Press (SELECT LCD) until the desired setting is displayed.

```
LCD Contrast
=Low
```

```
LCD Contrast
=Middle
```

3. Press (⇒*) or (⇒□) to program other items.

4. To exit, press (OFF).

BACK LIGHT

You can turn off the LCD and keypad back lights to conserve battery energy.
[Default: On]

1. Enter the Handset Programming mode and select "Back Light" menu by pressing ▲* or ▼#.

```
Back Light
=On
```

2. Press SELECT/LCD.

```
Back Light
=Off
```

3. Press ▲* or ▼# to program other items.

4. To exit, press OFF.

FLEXIBLE KEY NAME SET

You can name the 12 F-keys (three characters max per a key).
[Default: FXX (XX=1-12)]

1. Enter the Handset Programming mode and select "F–Key Name Set" menu by pressing (≒*) or (≒#).

```
F-Key Name Set
 F1  F2  F3  F4
```

2. Press ▽ or △ and show the F-Key you want to name on the display.

```
F-Key Name Set
 F5  F6  F7  F8
```

3. Press (F1-F12) or (SELECT LCD) to chose the F-Key you want.

```
F-Key Name Set
F1 =F1
```

4. Press (☎).

```
F-Key Name Set
F1 =
```

5. Enter the name.

```
F-Key Name Set
F1 =C
```

6. When you finish, press (STORE AUTO).
   → the next F-Key appears on the display.

```
F-Key Name Set
F1 =CO1 Stored
```

▷ Character Combination Table

Dialing buttons can be used as letters and symbols for character input keys. Use (≒#) (Next) or (≒*) (Previous) to move the cursor to change or enter a character.

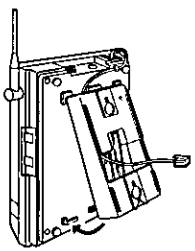
	Number of pressing times								
Keys	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**
1	.	,	:	!					
2	A	B	C	a	b	c	2		
3	D	E	F	d	e	f	3		
4	G	H	I	g	h	i	4		
5	J	K	L	j	k	l	5		
6	M	N	O	m	n	o	6		
7	P	Q	R	S	p	q	r	s	7
8	T	U	V	t	u	v	8		
9	W	X	Y	Z	w	x	y	z	9
0	(space)	–	*	#	&	$	(	)	0

NOTE:

– Three space characters cannot be stored.

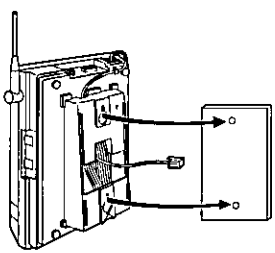
WALL MOUNTING

The base unit can be mounted on a wall.



1 Drill two holes spaced 8.4 cm (3.3 inches) apart and install two screws.

2 Insert the tabs of the wall mounting plate (included) into the openings of the base unit, then push it in the direction of the arrow.

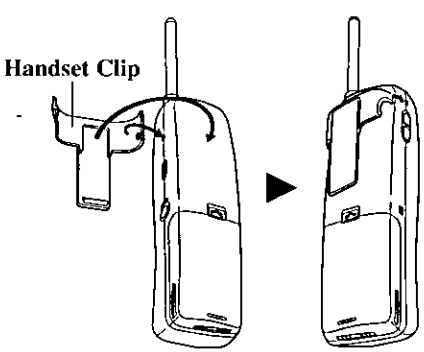


3 Mount the base unit on the wall.

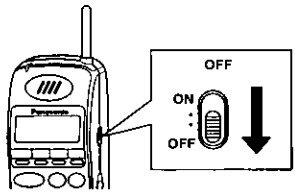
8.4 cm (3.3 inches)

INSTALLING THE HANDSET CLIP

You can hang the handset on your belt or pocket by attaching the handset clip.

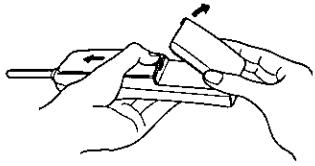


REPLACING THE BATTERY



1 Set the **POWER** switch to "OFF" to prevent memory loss.

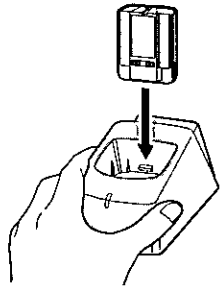
2 While pressing the open-button, remove the battery.



3 Hook the bottom of the battery on the handset, and place the battery in the handset until you hear a click.

4 Set the **POWER** switch to "ON."

Installing the Panasonic KX-A276 battery:



While holding the charging stand with one hand, push the battery in with the other hand until you hear a click.

When removing the battery, be sure to hold the stand.

NOTE:

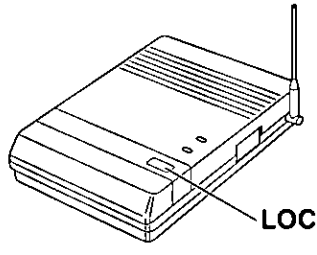
- If you do not replace the battery within five minutes, memory (e.g. Redial data in SLT mode, Flexible key position – F1-F4/F5-F8/F9-F12) may be lost.
- If beep tones sound every fifteen seconds and battery low indicator ( ) flashes after a few telephone calls even when the handset battery has been fully charged, it is time to install a new battery. Remember to charge the new battery before use.
- If you change the battery while on the phone, hold the call first.

LOCATING THE HANDSET FROM THE BASE UNIT

This feature helps you find the handset if misplaced. You may also locate a person at the handset from the base unit by emitting beep tones for 60 seconds. If the handset is in use, locating is not available.

1 Press **LOCATOR** button on the base unit.

The **IN USE** indicator flashes and the handset beeps.
To stop the beeping, press **LOCATOR** button again.



Helpful Hint:

Pressing on the handset stops the beeping and the **IN USE** indicator on the base unit changes from flashing to a steady light.

OTHERS

TROUBLESHOOTING

Trouble	Remedy
The unit does not work.	• Set the POWER switch to "ON." • The unit was not connected properly (see pages 5 and 7). • The handset battery is weak. Charge the battery fully.
Sound flutters or fades.	• You are too far from the base unit. Move closer to the base unit. • Raise the base unit antenna.
Noise occurs.	• Place the base unit away from office equipment such as computers. • Approach the base unit.
I am encountering interference from another unit.	• Set the handset and the base unit away from other electrical appliances. • Press CH Button (FUNC ▶ CH 6) during a conversation.
I pressed the CH Button, but still have a noise.	• Approach the base unit. • Press CH Button (FUNC ▶ CH 6) again.
The handset does not ring.	• Set the POWER switch to "ON." • Change the ringer volume level.
Beep tones sound every fifteen seconds during a conversation.	• Charge the battery fully, or replace the new handset battery.
I charged the battery for 1.5 hours, but the beep tones sound every fifteen seconds and battery low indicator ( ) flashes after a few telephone calls.	• Clean the battery charge contacts and charge once more. • It is time to change the battery. Replace with a new one.
I cannot use the unit during a power failure.	• The unit will not function during a power failure.
I cannot store a phone number into memory.	• Do not pause for over 30 seconds while storing.
While operating the unit, the AC adaptor feels warm. While charging the battery, the unit feels warm.	• These are normal conditions.
I cannot make a call from a paralleled single line telephone.	• A single line telephone cannot be connected in parallel with this unit in EMSS mode (see page 8).

IMPORTANT SAFETY INSTRUCTIONS

When using this unit, basic safety precautions should always be followed to reduce the risk of fire, electric shock, or personal injury.

1. Read and understand all instructions.
2. Follow all warnings and instructions marked on this unit.
3. Unplug this unit from AC outlets before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not use this unit near water, for example, near a bathtub, washbowl, kitchen sink, or the like.
5. Place this unit securely on a stable surface. Serious damage and/or injury may result if the unit falls.
6. Do not cover slots and openings on the unit. They are provided for ventilation and protection against overheating. Never place the unit near radiators, or in a place where proper ventilation is not provided.
7. Use only the power source marked on the unit. If you are not sure of the type of power supplied to your home, consult your dealer or local power company.
8. Do not place objects on the power cord. Install the unit where no one can step or trip on the cord.
9. Do not overload wall outlets and extension cords. This can result in the risk of fire or electric shock.
10. Never push any objects through slots in this unit. This may result in the risk of fire or electric shock. Never spill any liquid on the unit.
11. To reduce the risk of electric shock, do not disassemble this unit. Take the unit to an authorized servicenter when service is required. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock when the unit is subsequently used.
12. Unplug this unit from the AC outlet and refer servicing to an authorized servicenter when the following conditions occur:
    A. When the power supply cord or plug is damaged or frayed.
    B. If liquid has been spilled into the unit.
    C. If the unit has been exposed to rain or water.
    D. If the unit does not work normally by following the operating instructions. Adjust only controls covered by the operating instructions. Improper adjustment may require extensive work by an authorized servicenter.
    E. If the unit has been dropped or physically damaged.
    F. If the unit exhibits a distinct change in performance.
13. During thunderstorms, avoid using telephones except cordless types. There may be a remote risk of an electric shock from lightning.
14. Do not use this unit to report a gas leak, when in the vicinity of the leak.

CAUTION

To reduce the risk of fire or injury to persons, read and follow these instructions.

1. Use only the battery(ies) specified.
2. Do not dispose of the battery(ies) in a fire. They may explode. Check with local waste management codes for special disposal instructions.
3. Do not open or mutilate the battery(ies). Released electrolyte is corrosive and may cause burns or injury to the eyes or skin. The electrolyte may be toxic if swallowed.
4. Exercise care in handling batteries in order not to short the battery to conductive materials such as rings, bracelets, and keys. The battery and/or conductor may overheat and cause burns.
5. Charge the battery(ies) provided with or identified for use with this product only in accordance with the instructions and limitations specified in this manual.

WARNING:

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

FCC Information

If requested by the telephone company, inform them as follows.

— FCC Registration No.:
(found on the bottom of the unit)
— Ringer Equivalence: 0.2B
— The particular telephone line to which the equipment is connected.

This unit must not be connected to a coin operated line. If you are on a party line, check with your local telephone company.

Ringer Equivalence Number (REN):

The REN is useful in determining the quantity of devices you may connect to your telephone line and still have all of those devices ring when your telephone number is called. In most, but not all areas, the sum of the REN's of all devices connected to one line should not exceed five (5.0). To be certain of the number of devices you may connect to your line, as determined by the REN, you should contact your local telephone company to determine the maximum REN for your calling area.

In the event terminal equipment causes harm to the telephone network, the telephone company should notify the customer, if possible, that service may be stopped. However, where prior notice is impractical, the company may temporarily cease service providing that they:

a) Promptly notify the customer.
b) Give the customer an opportunity to correct the problem with their equipment.
c) Inform the customer of the right to bring a complaint to the Federal Communication Commission pursuant to procedures set out in FCC Rules and Regulations Subpart E of Part 68.

The Telephone Company may make changes in its communications facilities, equipment, operations, or procedures, where such action is reasonably required in the operation of its business and is not inconsistent with the rules and regulations in FCC Part 68.

If such changes can be reasonably expected to render any customer terminal equipment incompatible with telephone company communications facilities, or require modification or alteration of such terminal equipment, or otherwise materially affect its use or performance, the customer shall be given adequate notice in writing, to allow the customer an opportunity to maintain uninterrupted service.

When programming emergency numbers and/or making test calls to emergency numbers:

1. Remain on the line and briefly explain to the dispatcher the reason for the call before hanging up.
2. Perform such activities in the off-peak hours, such as early morning hours or late evenings.

CAUTION:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
— Reorient or relocate the receiving antenna.
— Increase the separation between the equipment and receiver.
— Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
— Consult the dealer or an experienced radio/TV technician for help.

Some wireless telephones operate at frequencies that may cause interference to nearby TVs and VCRs. To minimize or prevent such interference, the base of the cordless telephone should not be placed near or on top of a TV or VCR. If interference is experienced, move the cordless telephone further away from the TV or VCR. This will often reduce or eliminate interference.

Environment

Do not place the unit in rooms where the temperature is less than 5°C (41°F) or greater than 40°C (104°F).
Allow 10 cm (4") clearance around the unit for proper ventilation.
Avoid excessive smoke, dust, mechanical vibration, shock, or direct sunlight.
Keep away magnetic cards, such as bank cards, telephone cards, etc. from the handset, as the magnet in the handset may cause the data on the card's magnetic strip to be erased.
Consult the manufacturer of any personal medical devices, such as pacemakers, to determine if they are adequately shielded from external RF energy.
Do not use the unit in health care facilities when any regulations posted in the area instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Routine care — wipe the unit with a soft cloth. Do not use benzine, thinner, or any abrasive powder.
When you left the unit unused for long time, unplug the AC adaptor from the outlet.
If there is any trouble — disconnect the unit from the telephone line and connect a known working phone. If the known working phone operates properly, have your unit repaired by one of the authorized Panasonic Factory Servicenter. If the known working phone does not operate properly, consult with your telephone company.

Hearing Aid Compatibility

This telephone provides magnetic coupling for hearing aids.

Privacy of communications

Privacy of communications may not be ensured when using this phone.

For Product Service

- Panasonic Servicenters are listed in the servicenter directory.
- Call 1-800-211-7262 for the location of an authorized servicenter.

When you ship the product

- Carefully pack your unit, preferably in the original carton.
- Attach a letter, detailing the symptom, to the outside of the carton.

Symptom

_____

_____

- Send the unit to an authorized servicenter, prepaid and adequately insured.
- Do not send your unit to the Panasonic Consumer Electronics Company listed on the back cover or to executive or regional sales offices. These locations do not repair consumer products.

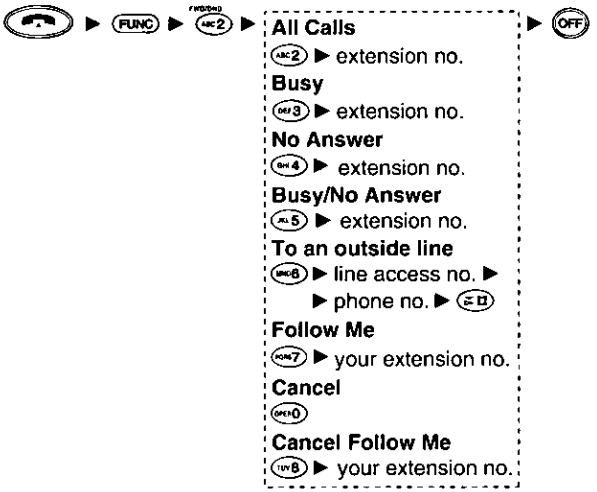
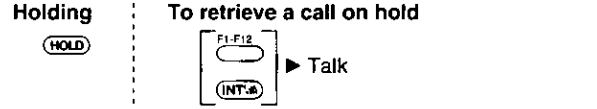
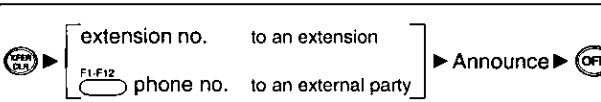
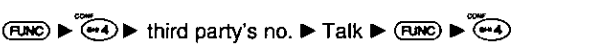
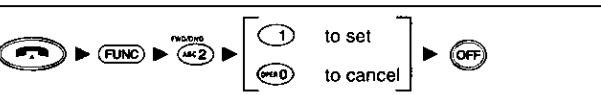
FEATURES LIST

The features of the KX-TA624, KX- TD816/1232/308, KX-TD500 and KX-T336 are listed below. For more information, please refer to the manual of your PBX.

For the KX-TA624

Desired Function	Operation
Call Forwarding	▶ FUNC ▶ 2 ▶ **All Calls** 1 ▶ extension no. ▶ ⊐ **Busy/No Answer** 2 ▶ extension no. ▶ ⊐ **To an outside line** 3 ▶ line access no. ▶ ▶ phone no. ▶ ⊐ **Follow Me** 5 ▶ your extension no. ▶ ⊐ **Cancel** 0 ⊐ **Cancel Follow Me** 8 ▶ your extension no. ▶ ⊐ ▶ OFF
Call on Hold	**Holding** HOLD **To retrieve a call on hold** F1-F12 / INT ▶ Talk
Call Transfer	CLR ▶ extension no. to an extension / F1-F12 phone no. to an external party ▶ Announce ▶ OFF
Conference	FUNC ▶ CONF 4 ▶ third party's no. ▶ Talk ▶ FUNC ▶ CONF 4
Do Not Disturb (DND)	▶ FUNC ▶ 2 ▶ 4 to set / 0 to cancel ▶ ⊐ ▶ OFF
Message Waiting	**To leave a notification** FUNC ▶ MSG 3 ▶ OFF **To cancel a notification** ▶ extension no. ▶ FUNC ▶ MSG 3 ▶ FUNC ▶ MSG 3 ▶ OFF **To check a message** FUNC ▶ MSG 3 **To call back** ▶ FUNC ▶ MSG 3 ▶ Talk **To clear all notifications** ▶ 7 0 0 ▶ ⊐ ▶ OFF

For the KX-TD816/1232/308

Desired Function	Operation
Call Forwarding	
Call on Hold	
Call Transfer	
Conference	
Do Not Disturb (DND)	
Message Waiting	**To leave a notification** FUNC ▶ MSG 3 ▶ OFF **To cancel a notification** ▶ 7 0 0 ▶ extension no. ▶ OFF **To check a message** FUNC ▶ MSG 3 **To call back** ▶ FUNC ▶ MSG 3 ▶ Talk **To clear all notifications** ▶ 7 0 0 ▶ your extension no. ▶ OFF

FEATURES LIST

For the KX-TD500

Desired Function	Operation
Call Forwarding	▶ FUNC ▶ FWD/DND ABC 2 ▶ **All Calls** ABC 2 ▶ extension no. **Busy** DEF 3 ▶ extension no. **No Answer** GHI 4 ▶ extension no. **Busy/No Answer** JKL 5 ▶ extension no. **To an outside line** MNO 6 ▶ line access no. ▶ ▶ phone no. ▶ ⇄ **Follow Me** PQRS 7 ▶ your extension no. **Cancel** OPER 0 **Cancel Follow Me** TUV 8 ▶ your extension no. ▶ OFF
Call on Hold	**Holding** HOLD ; **To retrieve a call on hold** [F1-F12 / INT] ▶ Talk
Call Transfer	XFER CLR ▶ [extension no. to an extension / F1-F12 phone no. to an external party] ▶ Announce ▶ OFF
Conference	FUNC ▶ CONF GHI 4 ▶ third party's no. ▶ Talk ▶ FUNC ▶ CONF GHI 4
Do Not Disturb (DND)	▶ FUNC ▶ FWD/DND ABC 2 ▶ [1 to set / OPER 0 to cancel] ▶ OFF
Message Waiting	**To leave a notification** FUNC ▶ MSG DEF 3 ▶ OFF **To cancel a notification** ▶ PQRS 7 OPER 0 OPER 0 ▶ extension no. ▶ OFF **To check a message** FUNC ▶ MSG DEF 3 **To call back** ▶ FUNC ▶ MSG DEF 3 ▶ Talk **To clear all notifications** ▶ PQRS 7 OPER 0 OPER 0 ▶ your extension no. ▶ OFF

FEATURES LIST

For the KX-T336

Desired Function	Operation
Call Forwarding	[Off-hook] ▶ (FUNC) ▶ (FWD/DND ABC2) ▶ **All Calls** (ABC2) ▶ extension no. **Busy/Off-Hook** (DEF3) ▶ extension no. **No Answer** (GHI4) ▶ extension no. **Busy/Off-Hook/No Answer** (MNO6) ▶ extension no. **To an outside line** (JKL5) ▶ line access no. ▶ ▶ phone no. ▶ (≣¤) **Follow Me** (PQRS7) ▶ your extension no. **Cancel** (OPER0) **Cancel Follow Me** (TUV8) ▶ your extension no. ▶ (OFF)
Call on Hold	**Holding** (HOLD) ¦ **To retrieve a call on hold** (F1-F12) ▶ Talk
Call Transfer	(XFER CLR) ▶ [extension no. to an extension; (F1-F12) phone no. to an external party] ▶ Announce ▶ (OFF)
Conference	(FUNC) ▶ (CONF GHI4) ▶ third party's no. ▶ Talk ▶ (FUNC) ▶ (CONF GHI4)
Do Not Disturb (DND)	[Off-hook] ▶ (FUNC) ▶ (FWD/DND ABC2) ▶ [(1) to set; (OPER0) to cancel] ▶ (OFF)
Message Waiting	**To leave a notification** (FUNC) ▶ (MSG DEF3) ▶ (OFF) **To cancel a notification** [Off-hook] ▶ (≣¤) (WXYZ9) ▶ extension no. ▶ (OFF) **To check a message** (FUNC) ▶ (MSG DEF3) **To call back** [Off-hook] ▶ (FUNC) ▶ (MSG DEF3) ▶ Talk **To clear all notifications** [Off-hook] ▶ (≣¤) (WXYZ9) ▶ your extension no. ▶ (OFF)

For your future reference

SERIAL NO._____ DATE OF PURCHASE_____
(found on the bottom of the unit)

NAME OF DEALER_____

DEALER'S ADDRESS_____

Panasonic Consumer Electronics Company,
Division of Matsushita Electric Corporation of America
One Panasonic Way, Secaucus, New Jersey 07094

Panasonic Sales Company,
Division of Matsushita Electric of Puerto Rico, Inc.
Ave. 65 de Infantería, Km.9.5, San Gabriel Industrial Park
Carolina, Puerto Rico 00985

PRINTED WITH SOY INK™

Printed in Japan **PSQX1739WA** KF0599MY3099