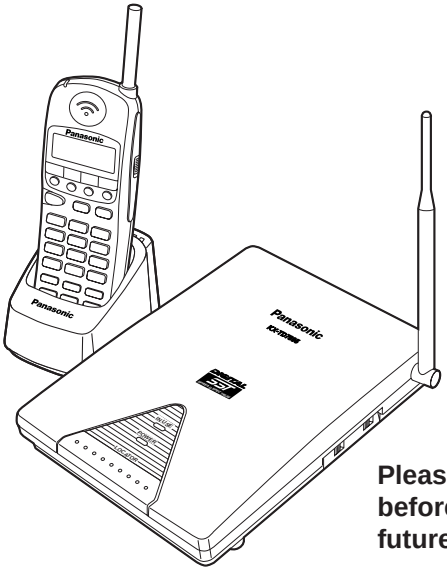
Panasonic

Wireless Phone

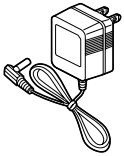
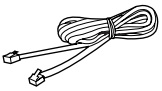
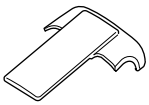
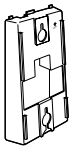
Operating Instructions

Model No. KX-TD7895



Please read this Operating Instructions before using the unit and keep this for future reference.

Accessories (Included)

Handset . . . . . One	Base Unit . . . . . One	Charging Unit . . . . . One		
AC Adaptor . . . . . Two 	Telephone Line Cord . . . . . One 	Battery (PSPT3HRAAU) . . . . . One	Handset Clip . . . . . One 	Wall Mounting Plate . . . . One 

NOTE:

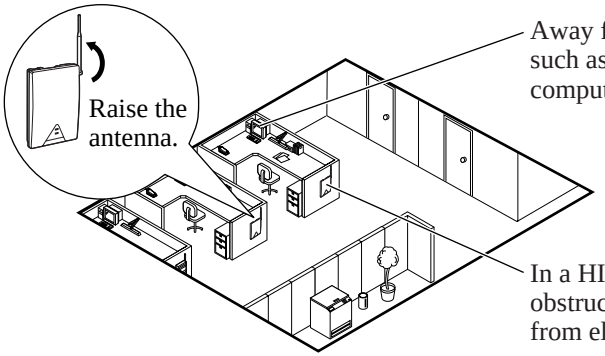
- The KX-TD7895 can be connected to a single line telephone for home use. This is called **SLT** mode.
  The KX-TD7895 can be connected to Electronic Modular Switching System (Panasonic KX-T, KX-TA or KX-TD series). This is called **EMSS** mode.
  The functions described in **EMSS** is available only when KX-TD7895 is connected to the system.
- To order accessories, call toll free **1-800-332-5368**.

Thank you for purchasing a Panasonic Telephone.

FOR BEST PERFORMANCE

Noise

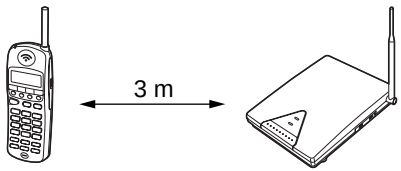
Calls are transmitted between the base unit and the handset using wireless radio waves. For maximum distance and noise free operation, the recommended base unit location is:



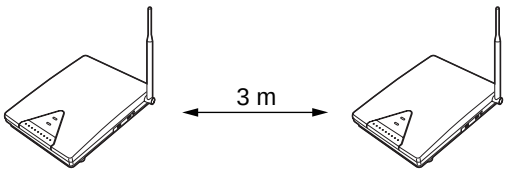
• Wireless telephones, except for the 900 MHz telephone, can be used together.

Operating Distance

The handset should always be at least 3 m away from the base unit.



When using more than 2 base units, the distance between one unit and others must be at least 3 m, or else proper radio transmission cannot be obtained.



Battery Charging

You must charge the battery for about 5 hours before initial use.
When charging is completed, the charge indicator of the handset turns green from red.

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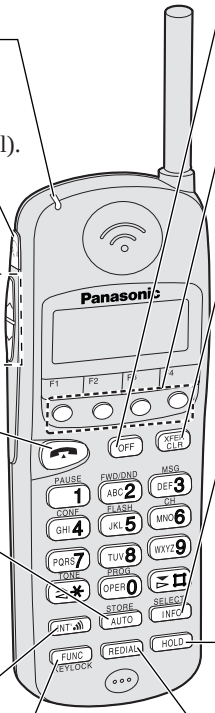
Location of Controls and Connection

Handset



Ringing/Charge Indicator
— Flashes green when an incoming call is received.
— Turns red when charging (except when receiving a call).

Headset Jack
Connect a headset to talk in the hands-free.*

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

TALK Button
Used to make a call.

AUTO/STORE Button
Used for System Speed Dialing or storing program changes.

INTERCOM Button
Used to make or receive intercom calls.

FUNCTION/KEYLOCK Button
Used to enter Function mode, access features by pressing additional keys or lock/unlock the key in idle status.

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

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

TRANSFER/CLEAR Button
Used to clear incorrect digits while dialing, and transfer a call to another extension.

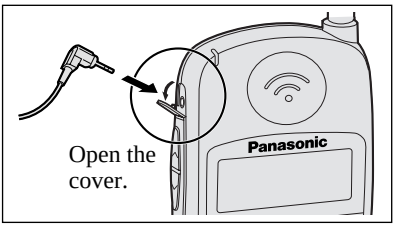
INFO/SELECT Button
Used to refresh the LCD or select an item in programming mode.

HOLD Button
Used to place a call on hold.

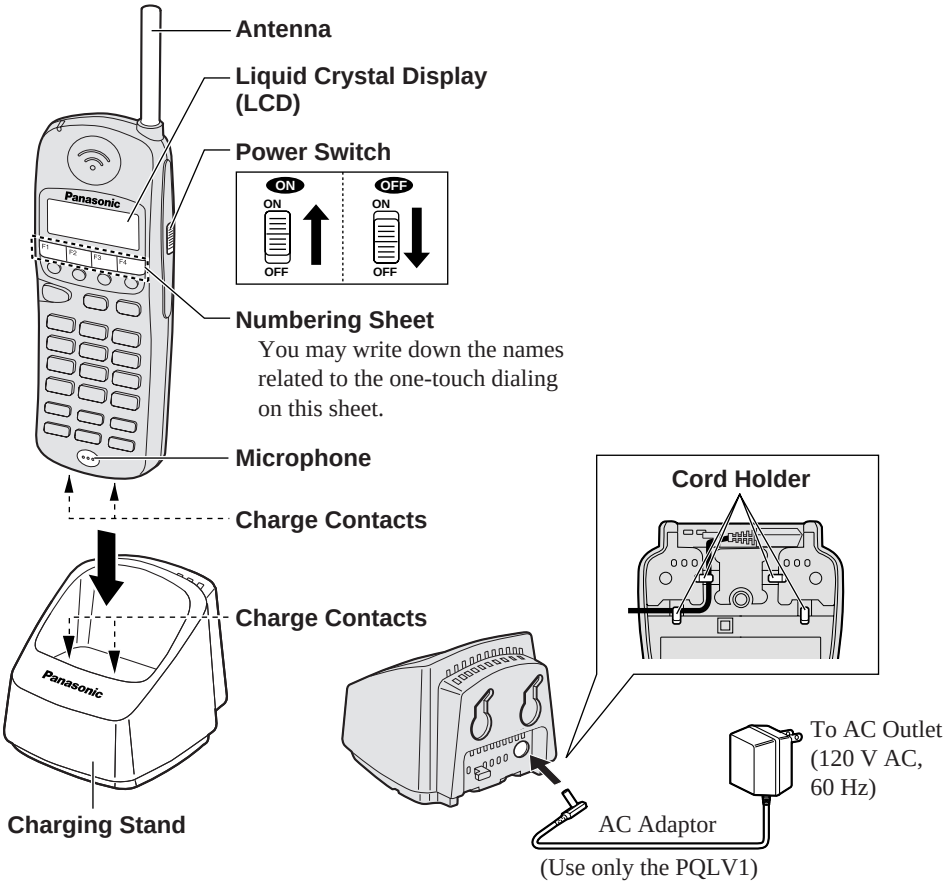
REDIAL Button
Used to redial the last dialed number.

* The headset is optional.
Please use only Panasonic KX-TCA80, KX-TCA87 or KX-TCA90 headset.
To order, call toll free **1-800-332-5368**.

To use the headset



Location of Controls and Connection

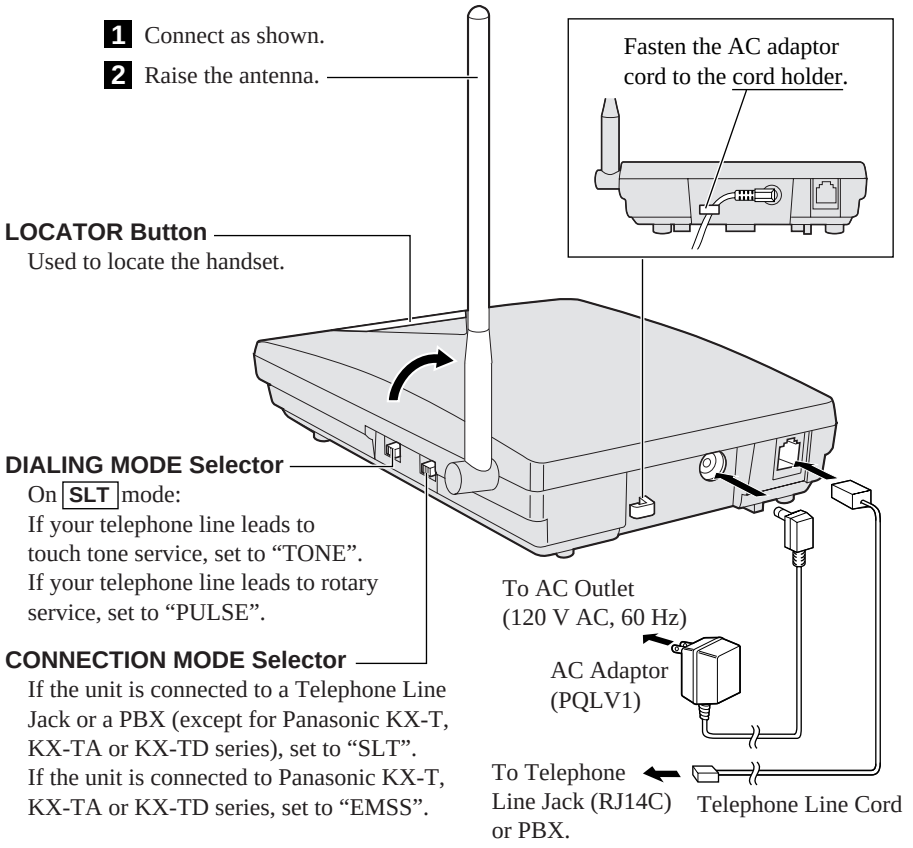


Combination Keys

PROG (Program)	FUNC ▶ PROG OPER 0	Used to enter the programming mode.
PAUSE	FUNC ▶ PAUSE 1	Used to insert a pause in numbers.
FWD/DND EMSS	FUNC ▶ FWD/DND ABC 2	Used to set Call Forwarding or Do Not Disturb (DND) features.
MSG (Message) EMSS	FUNC ▶ MSG DEF 3	Used to leave a notification to the called party or call back the message sender (Message Waiting).
CONF (Conference) EMSS	FUNC ▶ CONF GHI 4	Used to establish a three party conversation.
FLASH	FUNC ▶ FLASH JKL 5	Used to disconnect current call and make another call.

Location of Controls and Connection

Base Unit



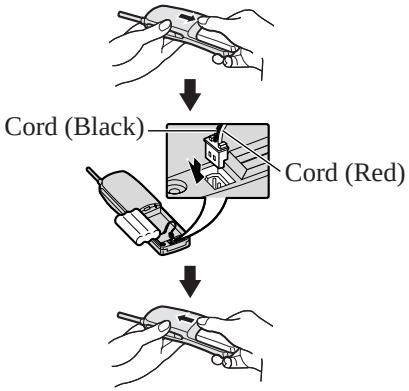
THE AC OUTLET POWER SOCKET SHOULD BE LOCATED NEAR THIS EQUIPMENT AND BE EASILY ACCESSIBLE.

Note:

- Use ONLY Panasonic AC ADAPTOR PQLV1. The adaptor must remain connected at all times.
- The AC adaptor may feel warm. 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.

BATTERY

Installing



1 Open the battery cover.

2 Connect the battery cord and install the battery.

3 Close the cover.

Charging

You need to charge the battery before initial use and when the battery strength becomes low.
Put the handset with the battery in the charging stand (see page 5).
Charge the battery for **about 5 hours**. When charging is completed, the charge indicator turns green from red.

Standard Battery Life

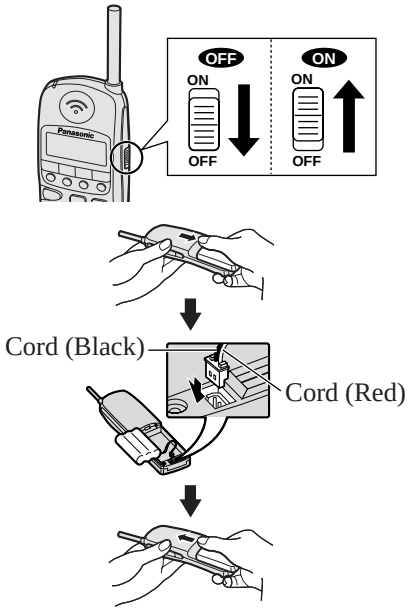
If your Panasonic battery is fully charged [at 25 ˚C (77 ˚F)]:

In Talk mode	Up to about 5 hours
In Stand-by mode	Up to about 7 days

NOTE:

- Time to recharge the battery:
  — when beep tones sound every 15 seconds,
  — when BATT-LOW indicator flashes.
- When the battery strength becomes low, a call gets hang up within 3 minutes.
- If the charge indicator is green, even before charging the battery, remove the battery and reinsert it after 5 seconds.
- The battery is used even while the handset's power is OFF.
- Battery life may vary depending on usage conditions and ambient temperature.
- Please use only Panasonic PSPT3HRAAU battery (see page 1).

Replacing



1. Set the **POWER** switch to "OFF" to prevent memory loss.
2. Open the battery cover and remove the used battery.
3. Connect a new battery cord and install a new battery.
4. Close the cover.
5. Set the **POWER** switch to "ON."

NOTE:

- Time to replace a new battery even the used battery is fully charged:
  — when beep tones sound every 15 seconds,
  — when battery low indicator ( ) is displayed.
- If you do not replace the battery within 5 minutes, memories (e.g., Redial data in SLT mode, Flexible key position — F1–F4/F5–F8/F9–F12 and one-touch dialing programming) may be lost.
- If you change the battery while on the phone, hold the call first.

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.

BEFORE USING KX-TD7895 IN EMSS MODE

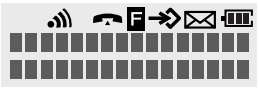
This unit does not have speaker phone and monitor features. Therefore please take care of the following contents before using KX-TD7895 in EMSS mode.
Please refer to your PBX manual for more information.

Alternative Calling — Ring/Voice	This unit cannot receive alternative voice call. Please inform another extension user not to use voice calling.
Live Call Screening (LCS)	**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 your PBX manual. **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.
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 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
```

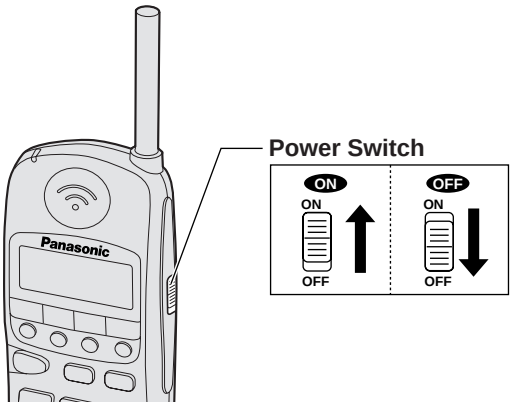
10 seconds later →

```

 F1   F2   F3   F4
```

Power OFF

1 Turn the **POWER** switch to “OFF”.



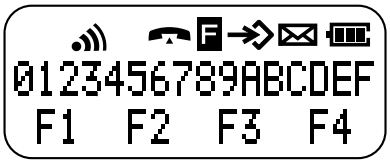
- If the following display appears, send the unit to your nearest authorized service center.

```
Need Repair N
```

(N=1 – 3)

LIQUID CRYSTAL DISPLAY (LCD)

The display has 2 lines with 16 characters per line, and symbols to show information are shown below.



Description of Symbols

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

The battery strength:

- fully charged
- medium
- low
- needs to be charged

NOTE:

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

1. Press INFO.
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
```

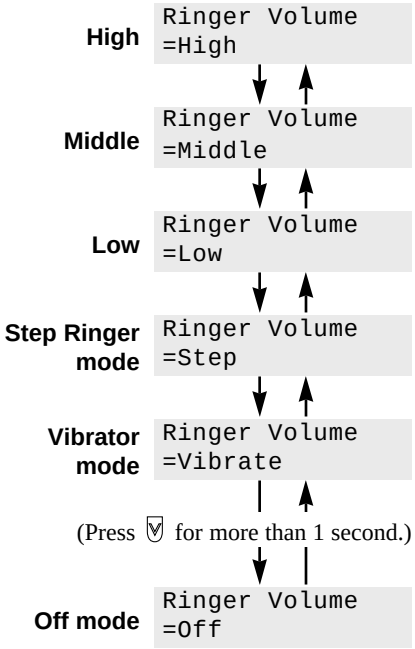
CONTROLLING THE VOLUME

Ringer Volume

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:**
  Does not ring but vibrates.
- **Off mode:**
  Does not ring or vibrate.
  Only the indicator flashes green.



NOTE:

- If ▽ and △ are set to "F-Key Select", press FUNC first (see page 31).
- If you select Vibrator mode, the display shows "`Vibrate`" while on-hook.
  If you select Off mode, the display shows "`Ringer OFF`" while on-hook.

```
Vibrate
 F1  F2  F3  F4
```

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

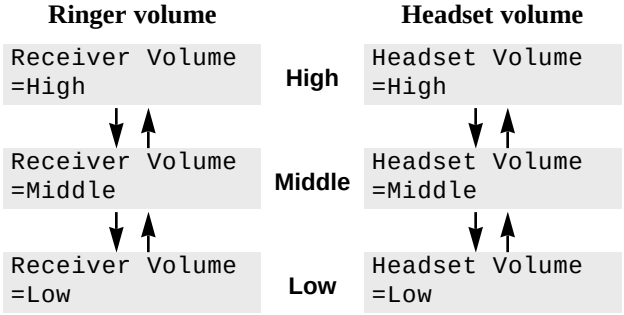
  This is not available:
  — when FWD/DND is set,
  — while display shows your extension number or time,
  — while display shows duration time after finishing the conversation,
  — EMSS: when you set Auto Answer "On" with the headset.
- When charging, the handset rings for incoming calls (except Off mode).
- **Vibrator and Ringer mode** (vibrates several times and then rings) is also available (see page 29).

Receiver/Headset Volume

The receiver/headset volume has three levels (Low/Middle/High). This can be changed during a conversation. [**Default: Middle**]

Receiver volume: except when using a headset
Headset volume: when using a headset

1 Press ▽ or △ repeatedly during a conversation.



NOTE:

• If ▽ and △ are set to "F-Key Select", press FUNC first (see page 31).

MAKING CALLS

CALLING EMSS

Intercom Calling

1 Press INT' or .

```
F1  F2  F3  F4
```

2 Dial the extension number, then talk.

```
                101
F1  F2  F3  F4
```

3 To hang up, press OFF.

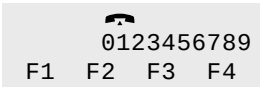
```
F1  F2  F3  F4
```

Outside Dialing, Line Access

1 Press F1 – F12 (**Flexible CO**), or press then line access number.

```
CO02
F1  F2  F3  F4
```

2 Dial the phone number, then talk.



```
      0123456789
F1  F2  F3  F4
```

3 To hang up, press OFF.

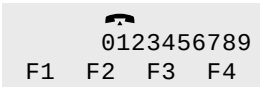
```
F1  F2  F3  F4
```

CALLING SLT

1 Press .

```
F1  F2  F3  F4
```

2 Dial the phone number, then talk.

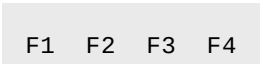


```
      0123456789
F1  F2  F3  F4
```

```
         0:00:10
F1  F2  F3  F4
```

3 To hang up, press OFF.

```
F1  F2  F3  F4
```



NOTE:

- **EMSS**: You can also enter the phone number first and then press INT, , or F1 – F12 . (**Predialing**)

  Predialing is not available for 10 seconds after pressing INFO.

  Press OFF before dialing in the following cases:
  — while display shows your extension number or time,
  — while display shows duration time after finishing the conversation.
- **EMSS**: When you press INFO, proprietary telephone is displayed (**LCD Refresh**) while idle.
- **SLT**: When you need to set to "TONE" mode during a call, press TONE *.
- Inserting a pause prevents misdialing. A pause can be inserted when you predial or while storing a number for memory dialing. To insert a pause, press FUNC then PAUSE 1.

DIALING THE LAST NUMBER YOU DIALED (LAST NUMBER REDIAL)

This unit saves the last number you dialed.

1 Press .

```
F1  F2  F3  F4
```

2 Press REDIAL.

```
      0123456789
F1  F2  F3  F4
```

3 To hang up, press OFF.

```
F1  F2  F3  F4
```

SPEED DIALING SLT

You can call by pressing the dialing buttons assigned as the Speed Dialing buttons.

Storing

1 Press FUNC and PROG OPER 0.

2 Press SELECT INFO.

3 Press STORE AUTO.

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

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

```
Auto 1
```

5 Enter a phone number (up to 24 digits).
- The valid characters are OPER 0 – WXYZ 9, ✱, #,
  Pause Button (FUNC ▶ PAUSE 1) and
  Flash Button (FUNC ▶ FLASH JKL 5).
- To clear all digits, press XFER CLR.

```
      0123456789
Auto 1
```

6 Press STORE AUTO.

7 To store another number, press HOLD then repeat steps **4** through **6**.

```
          →
      0123456789
Auto 1 Stored
```

8 To exit, press OFF.

```
F1  F2  F3  F4
```

Dialing

1 Press ☎.

2 Press AUTO.

```
                1
F1  F2  F3  F4
```

3 Dial a speed dialing number (OPER 0 – WXYZ 9).

```
      0123456789
F1  F2  F3  F4
```

ONE-TOUCH DIALING SLT

You can call by pressing F1 – F12 (Flexible CO), INT' or XFER CLR assigned as the One-touch Dialing buttons.

Storing

1 Press FUNC and PROG OPER 0.

2 Press SELECT INFO.

3 Press STORE AUTO.

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

4 Press ▽ or △ until the desired F1 – F12 (Flexible CO) appears.

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

5 Press the desired F1 – F12 (Flexible CO), INT' or XFER CLR.

```
 F5
```

- To select another Flexible Key, press ▽, △ or SELECT INFO.

6 Enter a phone number (up to 24 digits).
- The valid characters are OPER 0 – WXYZ 9, ✱, #,
  Pause Button (FUNC ▶ PAUSE 1) and
  Flash Button (FUNC ▶ FLASH JKL 5).
- To clear all digits, press XFER CLR.

```
                123
 F5
```

7 Press STORE AUTO.

8 To store another number, press HOLD then repeat steps **4** through **7**.

```
          →  123
 F5     Stored
```

9 To exit, press OFF.

```
 F1  F2  F3  F4
```

Dialing

1 Press ☎.

2 Press an available one-touch button (F1 – F12, INT' or XFER CLR).
- You can omit ☎ by pressing F1 – F12 or INT' (Full one-touch dialing).

Receiving Calls

Receiving EMSS

When you receive a call, the handset rings or vibrates and the call indicator flashes green.

Auto Talk

Lift up the Handset (**Auto Talk**).
- Available when “Auto Talk” is set to “On” in Handset Programming (see page 32).

Any Key Answer

Press any button (**Any Key Answer**).
- Available when “Any Key Answer” is set to “On” in Handset Programming (see page 32).

Intercom Incoming Call

1 Press [ ] or [INT'].

2 To hang up, press [OFF].

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

CO Incoming Call

1 Press the flashing [F1 – F12] (Flexible CO) or [ ].

2 To hang up, press [OFF].

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

Auto Answer

When you put a headset, it answers calls automatically.
- Available when “Auto Answer” is set to “On” in Handset Programming (see page 30).

RECEIVING CALLS

RECEIVING SLT

1 Press (☎).

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

2 To hang up, press (OFF).

NOTE:

- **EMSS**: ✉ (Message Waiting notification) means that a call has been received. To call back, see page 23.
- **SLT**: When you receive a call, "Receiving" is displayed.

```
 Receiving
 F1  F2  F3  F4
```

- 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
```

During a Conversation

Placing a call on hold

Holding

1 Press [HOLD].

Retrieving a call on hold

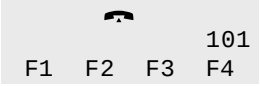
1 **EMSS**: Press [F1 – F12] or [INT'].
SLT: Press [ ].

Three-party Conversation (Conference) EMSS

The following operations are available when you connect to KX-TD500. If you connect to another system, refer to Features List (pages 43–46) or the connecting system manual.

1 Press [FUNC] then [CONF GHI 4] during a conversation.

2 Dial the third party's number.



3 Press [FUNC] then [CONF GHI 4] after the third party answers.

DURING A CONVERSATION

TRANSFERRING A CALL EMSS

Transferring a call to an extension

1 Press (XFER CLR) holding the line.

2 Dial the extension number.

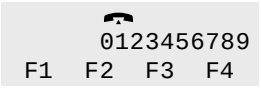
3 Press (OFF).

Transferring a call to an outside party

— This feature must be enabled by PBX Programming.

1 Press (XFER CLR) holding the line.

2 Press (F1 – F12) (Flexible CO) or enter line access number, and dial the phone number.



3 Press (OFF).

MESSAGE WAITING

LEAVING A CALL NOTIFICATION EMSS

When the called extension is busy or does not answer, you can leave a notification to have the called extension call you back. The following operations are available when the unit is connected to KX-TD500. If the unit is connected to another system, refer to Features List (pages 43–46) or the connecting system manual.

To leave a notification when the called extension is busy or does not answer

1 Press FUNC then MSG DEF 3. (Confirmation tone sounds.)

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

2 Press OFF.

To cancel a notification

1 Press ☎.

2 Press PQRS 7 OPER 0 OPER 0.

3 Dial an extension number.

4 Press OFF.

MESSAGE WAITING

CALL BACK WHEN YOU RECEIVE A NOTIFICATION EMSS

✉ (Message Waiting Notification) on the display tells you that a call has been received. The following operations are available when the unit is connected to KX-TD500. If the unit is connected to another system, refer to Features List (pages 43–46) or the connecting system manual.

To call back

1 Press (☎).

2 Press FUNC then MSG DEF 3.

3 An extension number is displayed and the unit calls back automatically.

```
                ✉
F1  F2  F3  F4
```

```
101: ABCDEFGHIJ
F5  F6  F7  F8
```

To clear all notifications

1 Press (☎).

2 Press PQRS 7 OPER 0 OPER 0.

3 Dial your own extension number.

4 Press OFF.

FORWARDING YOUR CALLS (CALL FORWARDING [FWD]) EMSS

Specified calls to your telephone are automatically forwarded to another preset extension. The following operations are available when the unit is connected to KX-TD500. If the unit is connected to another system, refer to Features List (pages 43–46) or the connecting system manual.

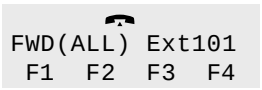
Setting

1 Press (↩).

2 Press FUNC then FWD/DND ABC 2.

3 Select the desired feature.

Dial ABC 2 ▶ extension number. **— All Calls**
Dial DEF 3 ▶ extension number. **— Busy**
Dial GHI 4 ▶ extension number. **— No Answer**
Dial JKL 5 ▶ extension number. **— Busy/No Answer**
Dial MNO 6, line access number (0/9)
▶ phone number ▶ (#). **— To an outside line**
Dial PQRS 7 ▶ your own extension number. **— Follow Me**



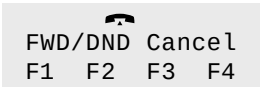
4 Press OFF.

Canceling

1 Press (↩).

2 Press FUNC then FWD/DND ABC 2.

3 Dial OPER 0. **— To cancel**
Dial TUV 8 ▶ your extension number. **— To cancel Follow Me**



4 Press OFF.

NOTE:

- If FWD is set, the display flashes "FWD/DND" in idle status. Except:
  — while LCD shows your extension number or time,
  — while LCD shows duration time after finishing the conversation.

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

Your extension can shut out any calls. The following operations are available when the unit is connected to KX-TD500. If unit is connected to another system, refer to Features List (pages 43–46) or the connecting system manual.

Setting

1. Press (handset).
2. Press FUNC then FWD/DND ABC 2.
3. Press 1.
4. Press OFF.

```
Do Not Disturb
F1  F2  F3  F4
```

Canceling

1. Press (handset).
2. Press FUNC then FWD/DND ABC 2.
3. Press OPER 0.
4. Press OFF.

```
FWD/DND Cancel
F1  F2  F3  F4
```

NOTE:

- If DND is set, "FWD/DND" is displayed in the idle status. Except:
  — while LCD shows your extension number or time,
  — while LCD shows duration time after finishing the conversation.

FLASH EMSS

You can disconnect the current call and make another call.

1 Press FUNC then FLASH JKL 5 when hearing any tone, dialing or talking.

2 Make another call.

NOTE:

- SLT: This operation functions as a hooking signal which is used to access special features offered by a PBX or Central Office (e.g., Call Waiting).

KEY LOCK

You can lock the buttons while on-hook.

Setting (Key Lock ON)

1 Press FUNC KEYLOCK for 1 second.

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

Canceling (Key Lock OFF)

1 Press FUNC KEYLOCK for 1 second.

```
Key Unlocked
 F1  F2  F3  F4
```

NOTE:

- In Key Lock mode, only FUNC KEYLOCK works in this status.
  However, you can answer a call by pressing INT, , or flashing F1 – F12 and press any key when the unit is not in idle status.
- You cannot set/cancel Key Lock:
  — 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.

PBX STATION PROGRAMMING EMSS

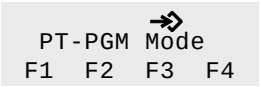
You can program certain features of PBX by your handset. The possible programmings vary according to your PBX system. For details, please refer to your PBX manual. You cannot make/receive a call during programming. The programming mode is canceled when there are pause over 30 seconds.

To enter PBX Station Programming mode

1 Press FUNC and PROG OPER 0.

2 Press SELECT INFO.

3 Press STORE AUTO.



To exit PBX Station Programming mode

1 Press OFF.

HANDSET PROGRAMMING

You can change the default settings or programming of handset.

The programming mode is canceled:
— when you receive a call,
— when there are pause over 30 seconds.

To enter Handset Programming mode

1 Press FUNC and PROG OPER 0.

```
          →
Handset Program
 F1  F2  F3  F4
```

2 Press STORE AUTO.

```
Vibrator&Ringer
=Off
```

3 Select the menu by pressing ▲ or ▼.

```
Ringer Pattern
=1
```

The programming variations are:

- Vibrator and Ringer (page 29)
- Ringer Pattern Selection (page 29)
- Auto Answer (page 30)
- Key Click Tone Set (page 30)
- Up/Down Key Assignment (page 31)
- Automatic Flexible Key Selection (page 31)
- Back Light (page 32)
- Auto Talk (page 32)
- Any Key Answer (page 32)
- Flexible Key Name Set (page 33)
- Handset Programming Data Default Set (page 34)

To exit Handset Programming mode

1 Press OFF.

```
 F1  F2  F3  F4
```

VIBRATOR AND RINGER

When you receive a call, your handset vibrates 4 times then rings.
[**Default: Off**]

1 Enter Handset Programming mode and select "`Vibrator&Ringer`".

```
Vibrator&Ringer
=Off
```

2 To select "`On`" or "`Off`", press SELECT/INFO.

```
Vibrator&Ringer
=On
```

3 To program other items, press ✱ or #.
or
To exit, press OFF.

RINGER PATTERN SELECTION

You have 6 ringer types (1 through 6). [**Default: 1**]

1 Enter the Handset Programming mode and select "`Ringer Pattern`".

```
Ringer Pattern
=1
```

2 To select the desired ringer pattern,
press 1–6,
or
press SELECT/INFO repeatedly.

```
Ringer Pattern
=2
```

3 To program other items, press ✱ or #.
or
To exit, press OFF.

AUTO ANSWER EMSS

When you put a headset, the handset answers calls automatically.
[**Default: Off**]

1 Enter the Handset Programming mode and select "Auto Answer".

```
Auto Answer
=Off
```

2 To select "Off" or "On", press SELECT/INFO.

```
Auto Answer
=On
```

3 To program other items, press ↑* or ↓#.
or
To exit, press OFF.

NOTE:

- This function is available when handset is equipped with headset.
- When this feature is set to "On", "Auto Answer ON" is displayed in idle status.

```
Auto Answer ON
 F1  F2  F3  F4
```

KEY CLICK TONE SET

You can turn off the key tone which sounds by pressing. [**Default: On**]

1 Enter the Handset Programming mode and select "Key Click".

```
Key Click
=On
```

2 To select "On" or "Off", press SELECT/INFO.

```
Key Click
=Off
```

3 To program other items, press ↑* or ↓#.
or
To exit, press OFF.

PROGRAMMING

UP/DOWN KEY ASSIGNMENT

You can select the ▽ and △ key function as "Volume" key or "F-Key Select" key. [**Default: Volume**]

1 Enter the Handset Programming mode and select "`Vol Key Assign`".

```
Vol Key Assign
=Volume
```

2 To select "`Volume`" or "`F-Key Select`", press SELECT INFO.

```
Vol Key Assign
=F–Key Select
```

3 To program other items, press ⇧✱ or ⇨⌑.
or
To exit, press OFF.

NOTE:

- By pressing FUNC before ▽/△,
  — ▽/△ work as "F-Key Select" key, even if ▽/△ are assigned as "Volume" key.
  — ▽/△ work as "Volume" key, even if ▽/△ are assigned as "F-Key Select" key.

AUTOMATIC FLEXIBLE KEY SELECTION EMSS

When you make or receive a call, the green F-Key is displayed. [**Default: Off**]

1 Enter the Handset Programming mode and select "`Auto FKey Select`".

```
Auto FKey Select
=Off
```

2 To select "`On`" or "`Off`", press SELECT INFO.

```
Auto FKey Select
=On
```

3 To program other items, press ⇧✱ or ⇨⌑.
or
To exit, press OFF.

BACK LIGHT

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

1 Enter the Handset Programming mode and select "Back Light".

```
Back Light
=On
```

2 To select "On" or "Off", press SELECT/INFO.

```
Back Light
=Off
```

3 To program other items, press ◁✱ or ▷#.
or
To exit, press OFF.

AUTO TALK

You can answer a call just lift up the handset from the charging stand.
[**Default: On**]

1 Enter the Handset Programming mode and select "Auto Talk".

```
Auto Talk
=On
```

2 To select "On" or "Off", press SELECT/INFO.

```
Auto Talk
=Off
```

3 To program other items, press ◁✱ or ▷#.
or
To exit, press OFF.

ANY KEY ANSWER

You can answer a call by pressing any key. [**Default: Off**]

1 Enter the Handset Programming mode and select "Any Key Answer".

```
Any Key Answer
=Off
```

2 To select "Off" or "On", press SELECT/INFO.

```
Any Key Answer
=On
```

3 To program other items, press ◁✱ or ▷#.
or
To exit, press OFF.

FLEXIBLE KEY NAME SET

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

1 Enter the Handset Programming mode and select "F-Key Name Set".

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

2 To show a F-Key you want to name, press ▽ or △.

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

3 To choose the F-Key, press F1–F12 or SELECT/INFO.

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

4 Press XFER/CLR.

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

5 Enter a name (up to 3 characters).
(Refer to the Character Combination Table below.)

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

6 To store the name, press STORE/AUTO.
→ the next F-Key is displayed.

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

7 To name the next F-Key, repeat steps **3** through **6**.

8 To program other items, press ◁* or #▷.
or
To exit, press OFF.

Character Combination Table

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

	Pressing times								
Keys	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**
1	.	,	:	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:

- Space × 3 is not acceptable.

HANDSET PROGRAMMING DATA DEFAULT SET

All of the following settings can be returned to the default settings at a time.

<All>

- Handset Program
- Ringer/Receiver Volume
- SLT Station Program

<Handset Program>

- Vibrator and Ringer
- Ringer Pattern Selection
- Auto Answer
- Key Click Tone Set
- Up/Down Key Assignment
- Automatic Flexible Key Selection
- Back Light
- Auto Talk
- Any Key Answer
- Flexible Key Name Set

1 Enter the Handset Programming mode and select "`Clear Ready?`".

```
Clear Ready?
=All
```

2 To select the desired item, press SELECT (INFO).

```
Clear Ready?
=Handset Program
```

3 To confirm, press STORE (AUTO).

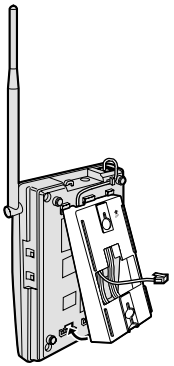
WALL MOUNTING

The base unit and the charging stand can be mounted on a wall.

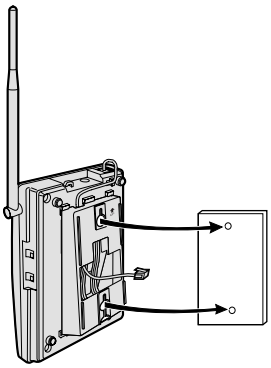
Base Unit

1 Drill 2 holes spaced 8.4 cm (3.3 inches) apart and drive 2 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.

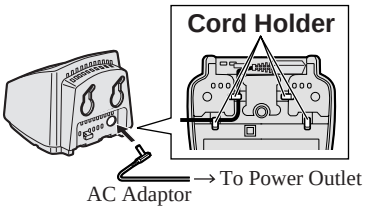


3 Mount the base unit on the wall.

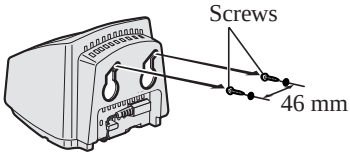


Charging Stand

1 Connect the charging stand to a power outlet using the AC adaptor.



2 Drive screws using the wall template beside.

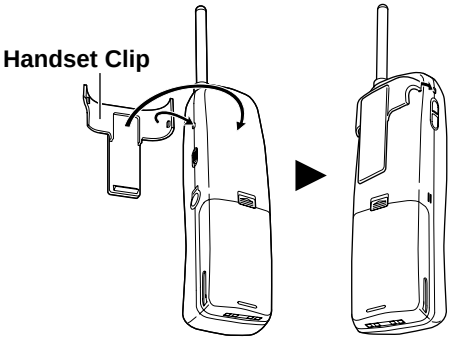


3 Mount the charging stand securely on the screws.

OTHERS

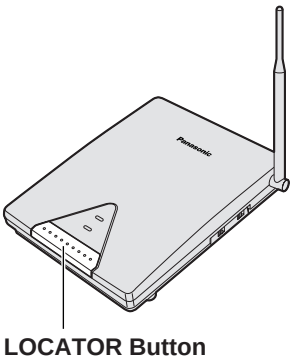
INSTALLING THE HANDSET CLIP

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



LOCATING THE HANDSET FROM THE BASE UNIT

You can find a missing handset. Also, you may locate a person at the handset from the base unit by emitting beep tones for 60 seconds. Locating is not available if the handset is in use.



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
or
press .

TROUBLESHOOTING

Trouble	Remedy
The unit does not work.	• Set the POWER switch to “ON.” • The unit was not connected properly (see pages 5 and 6). • The handset battery is weak. Charge the battery fully.
Sound flutters or fades.	• You are too far from the base unit. Approach the base unit. • Raise the antenna of the base unit.
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.
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 5 hours, but the beep tones sound every 15 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 9).

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.

SAVE THESE INSTRUCTIONS

Important Safety Instructions

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.

IMPORTANT SAFETY INSTRUCTIONS

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 wireless telephone should not be placed near or on top of a TV or VCR. If interference is experienced, move the wireless telephone further away from the TV or VCR. This will often reduce or eliminate interference.

Important Safety Instructions

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.

Medical — consult the manufacturer of any personal medical devices, such as pacemakers, to determine if they are adequately shielded from external RF (radio frequency) energy. (The unit operates in the frequency range of 905MHz to 925MHz and the power output level can range from 0.001 watts to 0.1 watts.) Do not use the unit in health care facilities if any regulations posted in the area instruct you not to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF (radio frequency) energy.

Routine care — wipe the unit with a soft cloth. Do not use benzine, thinner, or any abrasive powder. When you leave the unit unused for a long period of 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 Servicenters. If the known working phone does not operate properly, consult your telephone company.

IMPORTANT SAFETY INSTRUCTIONS

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-PANA (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

_____

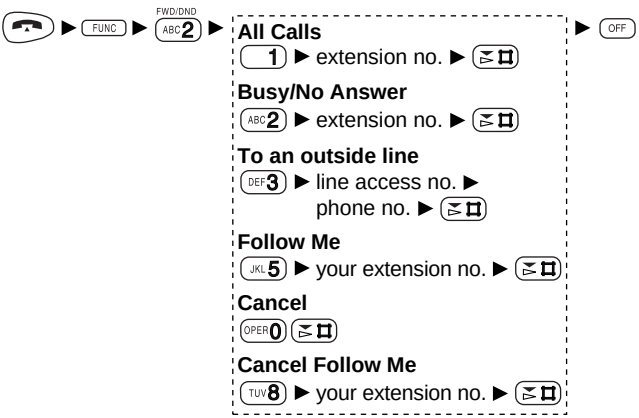
_____

- 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 your PBX manual.

For the KX-TA624

Desired Function	Operation
Call Forwarding	
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 ▶ [GHI 4 to set / OPER 0 to cancel] ▶ ▶ OFF
Message Waiting	**To leave a notification** FUNC ▶ MSG DEF 3 ▶ OFF **To cancel a notification** ▶ extension no. ▶ FUNC ▶ MSG DEF 3 ▶ FUNC ▶ MSG DEF 3 ▶ 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 ▶ ▶ OFF

FEATURES LIST

For the KX-TD816/1232/308

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-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	▶ FUNC ▶ FWD/DND ABC 2 ▶ **All Calls** ABC 2 ▶ extension no. **Busy/Off-Hook** DEF 3 ▶ extension no. **No Answer** GHI 4 ▶ extension no. **Busy/Off-Hook / No Answer** MNO 6 ▶ extension no. **To an outside line** JKL 5 ▶ 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 ▶ 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** ▶ ✉ WXYZ 9 ▶ extension no. ▶ OFF **To check a message** FUNC ▶ MSG DEF 3 **To call back** ▶ FUNC ▶ MSG DEF 3 ▶ Talk **To clear all notifications** ▶ ✉ WXYZ 9 ▶ your extension no. ▶ OFF

For your future reference

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

DATE OF PURCHASE _____

NAME OF DEALER _____

DEALER'S ADDRESS _____

_____

_____

_____

DEALER'S TEL. NO. _____

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

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