

Panasonic

Wireless Phone







Operating Instructions

Model No. KX-TD7894



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

Accessories (Included)

AC Adaptor Two	Telephone Line Cord One	Handset Clip One	Belt Holder One	Wall Mounting Plate One	Screws and Washers.. Four
					
		Part no. PSKE1036Z	Part no. PSKE1040Z		

NOTE: _____

- The KX-TD7894 can be used as a single line telephone for home use. This is called **SLT** mode.

The KX-TD7894 can be connected to an Electronic Modular Switching System (Panasonic KX-T, KX-TA or KX-TD series). This is called **EMSS** mode.

The functions described in **EMSS** are available only when the KX-TD7894 is connected to the system.

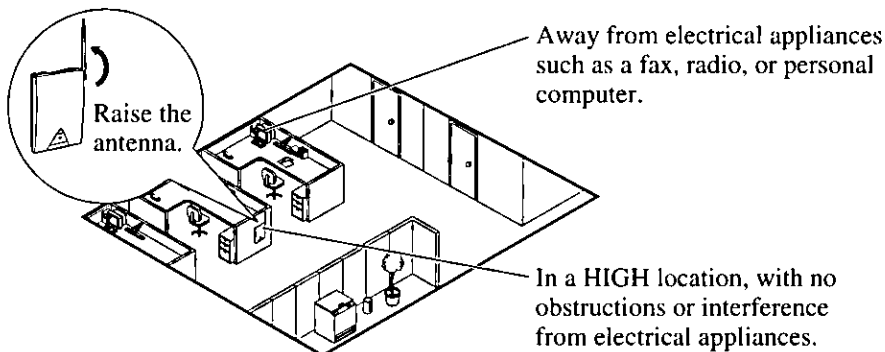
- To order accessories, call toll free **1-800-332-5368**.

Thank you for purchasing a Panasonic Telephone.
Please read IMPORTANT SAFETY INSTRUCTIONS on page 24
before use. Read and understand all instructions.

FOR BEST PERFORMANCE

Noise

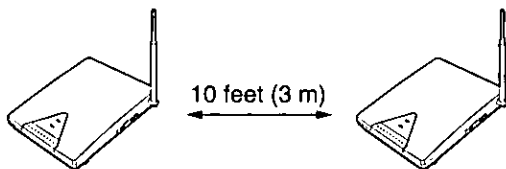
Calls are transmitted between the base unit and the handset using radio waves. For maximum distance and noise free operation, the recommended base unit location is:



- The 900 MHz wireless telephone (including Panasonic wireless telephone KX-T7885 and KX-T7880) cannot be used together.
- If you are out of range, an alarm tone sounds continuously during a conversation.

Operating Distance

When using more than 2 base units, the distance between one unit and the others must be at least 10 feet (3 meters), or else proper radio transmission cannot be obtained.



Battery Charging

You must charge the battery for about 5 hours before initial use. When charging has been completed, the charge indicator on the handset turns from red to green.

NOTE:

- If more than 3 units are in use at one time within close range, you may experience muting, interference or loss of communication.

CONTENTS

Location of Controls and Connections	4
Handset	4
Base Unit	6
Getting Started	7
Battery	7
Before using the KX-TD7894 in EMSS mode	8
Power ON/OFF	9
Controlling the Volume	9
Making Calls	10
Calling (EMSS)	10
Calling (SLT)	10
Dialing the last number you dialed (Last Number Redial)	11
Speed Dialing	11
One-touch Dialing	12
Receiving Calls	13
Receiving	13
Receiving (EMSS)	13
Receiving (SLT)	13
During a Conversation	14
Placing a call on hold	14
Three-party Conversation (Conference)	14
Transferring a call	14
Useful Features	15
Flash	15
Key Lock	15
Programming	16
PBX Station Programming	16
Handset Programming	17
Vibrate and Ringer	17
Ringer Pattern Selection	18
Back Light	18
Auto Talk	18
Any Key Answer	19
Handset Programming Data Default Set	19
Others	20
Replacing the Battery	20
Wall Mounting	21
Installing the Handset Clip	22
Locating the Handset From the Base Unit	22
Troubleshooting	23
Important Safety Instructions	24
Features List	28

LOCATION OF CONTROLS AND CONNECTIONS

HANDSET

Ringing/Charge Indicator

Flashes green when an incoming call is received.
Turns red while charging, then green when fully charged (except when receiving a call).

TALK/BATT-LOW/PROGRAM Indicator

Indicates:
Green (on) — Talk mode
Green (flashing) — Battery strength is low.
Red (on) — Programming mode

Headset Jack

Connect a headset to talk hands-free (see page 5).

Volume Control Button

Used to select the ringer/receiver volume.

INT' INTERCOM Button

Used to make or receive intercom calls.

TALK Button

Used to make or receive a call.

TONE Button

Used to set the "TONE" mode temporarily in SLT mode.

FLASH Button

Used to disconnect the current call and to make another call.

F1 - F3 Flexible CO Buttons (F1 through F3)

Used to seize a CO line or to access several features. If assigned as a CO button, the indicator shows the line condition (see below).

OFF Button

Used to end calls or to exit the programming mode.

TRANSFER/CLEAR Button

Used to clear incorrect digits while entering numbers, and transfer a call to another extension.

AUTO/STORE Button

Used for System Speed Dialing or for storing program changes.

INFO/PAUSE/CONF Button

Used to insert a pause in numbers in the programming mode, to establish a three-party conversation or to confirm CO line status while in idle.

HOLD Button

Used to place a call on hold.

REDIAL Button

Used to redial the last dialed number.

PROGRAM/KEYLOCK Button

Used to enter the programming mode or to lock/unlock a key while in idle.

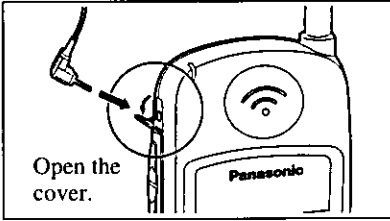
LED Indication example

CO Button		Condition
Off		Idle
On	Green	You are using the line.
	Red	Others are using the line.
Flashing Rapidly	Green	You have an incoming call.
	Red	Others have an incoming call.
Flashing Slowly	Green	You have a held call.
	Red	Others have a held call.

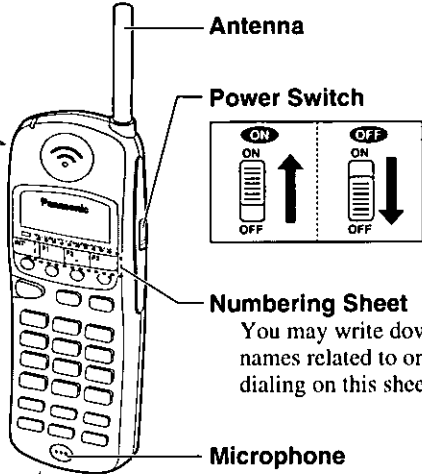
• Refer to your PBX manual for more information.

LOCATION OF CONTROLS AND CONNECTIONS

To use the headset



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



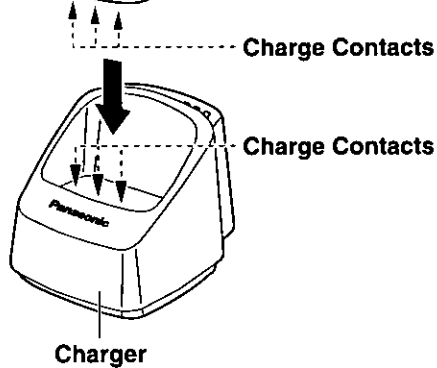
Antenna

Power Switch

Numbering Sheet

You may write down the
names related to one-touch
dialing on this sheet.

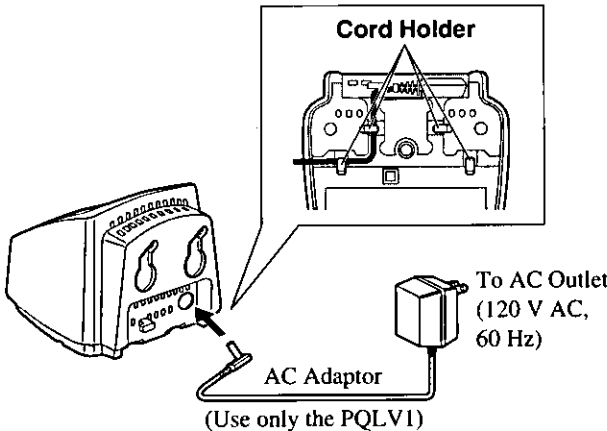
Microphone



Charge Contacts

Charge Contacts

Charger



Cord Holder

To AC Outlet
(120 V AC,
60 Hz)

AC Adaptor

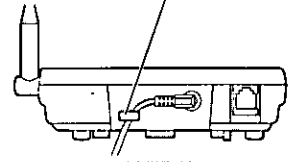
(Use only the PQLV1)

LOCATION OF CONTROLS AND CONNECTIONS

BASE UNIT

- 1 Connect as shown.
- 2 Raise the antenna.

Fasten the AC Adaptor cord to the cord holder.

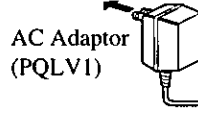


LOCATOR Button
Used to locate the handset.

DIALING MODE Selector
On **SLT** mode:
If your telephone line provides touch tone service, set to **TONE**.
If your telephone line provides rotary service, set to **PULSE**.

CONNECTION MODE Selector
If the base unit is connected to a Telephone Line Jack or a PBX (except for Panasonic KX-T, KX-TA or KX-TD series), set to **SLT**.
If the base unit is connected to Panasonic KX-T, KX-TA or KX-TD series, set to **EMSS**.

To AC Outlet
(120 V AC, 60 Hz)



To Telephone Line Jack (RJ14C) Telephone Line Cord or PBX.

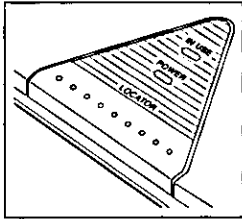
THE AC ADAPTOR IS USED AS THE MAIN DISCONNECT DEVICE, ENSURE THAT THE SOCKET-OUTLET IS LOCATED/INSTALLED NEAR THE EQUIPMENT AND IS EASILY ACCESSIBLE.

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.
- **EMSS**: This unit cannot be connected in parallel with a single line telephone.

LOCATION OF CONTROLS AND CONNECTION

▷ LED Indication



IN USE

Green	On	In use
	Flashing rapidly	You have an incoming call.
	Flashing moderately	In Locator function
	SLT Flashing slowly	You have a held call.

POWER

Red	On	Power on
	Flashing	In error

GETTING STARTED

BATTERY

▷ Charging

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

Put the handset with the battery in the charger (see page 5).

Charge the battery for **about 5 hours**. When charging has been completed, the charge indicator turns from red to green.

DO NOT PLACE THE CHARGER IN DIRECT SUNLIGHT.

▷ 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 the BATT-LOW indicator flashes.
- When battery strength becomes low, a call will hang up within 3 minutes.
- The battery will discharge even while the handset's power is OFF.
- Battery life may vary depending on usage conditions and ambient temperature.

BEFORE USING THE KX-TD7894 IN EMSS MODE

This unit does not have speaker phone and monitor features, set the following preferences before using the KX-TD7894 in EMSS mode.

Refer to your PBX manual for more information.

Alternative Calling — Ring/Voice	This unit cannot receive alternative voice calls, inform other extension users not to use voice calling.
Live Call Screening (LCS)	<p>Hands-free Mode: LCS hands-free mode is not available on this unit, set to private mode only by station programming. To change the setting, refer to your PBX manual.</p> <p>Private Mode: In this mode, the user can monitor or answer a call.</p> <p>1) To monitor a call Press  or the LCS key* when you hear the alert tone.</p> <p>2) To answer a call Press the LCS key* when monitoring a call or when you hear the alert tone.</p> <p>* The LCS key has to be assigned to a Flexible CO Key before using this feature.</p>
Parallel Connection	This unit cannot be connected in parallel with a single line telephone in EMSS mode so that it will not work properly in the parallel connection. If the parallel connection mode of the PBX port is set to "Parallel ON (SLT ringing is enabled)", set to " Parallel OFF (SLT ringing is disabled) ". Refer to your PBX manual for more information.

GETTING STARTED

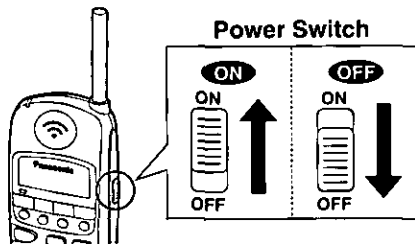
POWER ON/OFF

▷ Power ON

- 1 Turn the **POWER** switch to "ON".

▷ Power OFF

- 1 Turn the **POWER** switch to "OFF".



CONTROLLING THE VOLUME

▷ Ringer Volume

The ringer volume has three levels (Low/Middle/High). Moreover, you can select Step Ringer mode or Vibrate mode. **[Default: Middle]**

- 1 Press or repeatedly to select the desired mode.

Step Ringer mode: Rings progressively louder.

Vibrate mode: Does not ring, but vibrates.

High ↔ Middle ↔ Low ↔ Step Ringer mode ↔ Vibrate mode

NOTE:

- When charging, the handset rings for incoming calls even if you set Vibrate mode.
- **Vibrate and Ringer mode** (vibrates 4–5 times and then rings) is also available (see page 17).
- To set ringer "Off", you have to turn the power switch to "OFF".
- If you press while receiving a call, Vibrate mode will be set.

▷ Receiver/Headset Volume

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

Receiver volume: when using a handset without headset




Headset volume: when using a headset

- 1 Press or repeatedly during a conversation.




MAKING CALLS

CALLING **EMSS**



▷ Intercom Calling

- 1 Press  or .
- 2 Dial the extension number, then talk.
- 3 Press  to hang up.


▷ Outside Dialing, Line Access

- 1 Press  (Flexible CO), or press  then the line access number.
- 2 Dial the phone number, then talk.
- 3 Press  to hang up.

CALLING **SLT**

- 1 Press .
- 2 Dial the phone number, then talk.
- 3 Press  to hang up.


NOTE: _____

- **SLT**: When your telephone is in the "PULSE" mode, press  during a call if you need to set the "TONE" mode temporarily.

MAKING CALLS

DIALING THE LAST NUMBER YOU DIALED (LAST NUMBER REDIAL)

You can redial the last number you dialed.

- 1 Press .
- 2 Press **REDIAL**.
- 3 Press **OFF** to hang up.


SPEED DIALING **SLT**

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

▷ Storing

- 1 Press **PROG**.
- 2 Dial **ABC2**.
- 3 Enter a phone number (up to 24 digits).
 - The valid characters are **OPER0** – **WXYZ9**, **☎***, **☎□**, **PAUSE/CONF**, **INFO** and **FLASH**.
 - To clear all digits, press **XFER CLR**.
- 4 Press **STORE AUTO**.
- 5 Enter the speed dialing number (**OPER0** – **WXYZ9**).
- 6 To store another number, press **HOLD** then repeat steps **3** through **5**.
- 7 Press **OFF** to exit.

▷ Dialing

- 1 Press .
- 2 Press **AUTO**.
- 3 Enter a speed dialing number (**OPER0** – **WXYZ9**).

▷ Deleting

- 1 Press **PROG**.
- 2 Dial **ABC2**.
- 3 Press **STORE AUTO**.
- 4 Press the stored speed dialing number (**OPER0** – **WXYZ9**).
- 5 Press **OFF** to exit.

MAKING CALLS

ONE-TOUCH DIALING **SLT**

You can call by pressing $F1-F3$ (Flexible CO), INT' or **XFER CLR** assigned as the One-touch Dialing buttons.

▷ Storing

1 Press **PROG**.

2 Dial **ABC2**.

3 Enter a phone number (up to 24 digits).


• The valid characters are **OPER0** - **WYZ9**, **☆**, **☎**, **PAUSE/CONF** **INFO** and **FLASH**.

4 Press the desired $F1-F3$ (Flexible CO), INT' or **XFER CLR**.


5 To store another number, press **HOLD** then repeat steps **3** and **4**.

6 Press **OFF** to exit.

▷ Dialing

1 Press .

2 Press the desired one-touch button ($F1-F3$, INT' or **XFER CLR**).

• You can omit  by pressing $F1-F3$ or INT' (**Full one-touch dialing**).

▷ Deleting

1 Press **PROG**.

2 Dial **ABC2**.

3 Press the stored $F1-F3$ (Flexible CO), INT' or **XFER CLR**.

4 Press **OFF** to exit.

RECEIVING CALLS

RECEIVING

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

▷ Auto Talk

Lift up the Handset from the charger (**Auto Talk**).

- Available when “Auto Talk” is set to “On” in Handset Programming (see page 18).

▷ Any Key Answer

Press any dialing button (**Any Key Answer**).

- Available when “Any Key Answer” is set to “On” in Handset Programming (see page 19).



RECEIVING **EMSS**

▷ Intercom Incoming Call

1 Press  or .


2 Press  to hang up.

▷ CO Incoming Call

1 Press the flashing  (Flexible CO) or .

2 Press  to hang up.

RECEIVING **SLT**

1 Press .

2 Press  to hang up.

DURING A CONVERSATION

PLACING A CALL ON HOLD

▷ Holding

1 Press **HOLD**.

EMSS: **INT'** flashes (Intercom Call).

F1 - F3 flashes (CO Call).


SLT: TALK indicator flashes.

- Confirmation tone does not sound.

▷ Retrieving a call on hold

1 **EMSS**: Press **INT'** (Intercom Call).

Press the flashing **F1 - F3** (CO Call).

SLT: Press .

THREE-PARTY CONVERSATION (CONFERENCE) **EMSS**

1 Press **PAUSE/CONF** **INFO** during a conversation.

2 Dial the third party's number.

3 Press **PAUSE/CONF** **INFO** after the third party answers.

TRANSFERRING A CALL **EMSS**

▷ Transferring a call to an extension

1 Press **XFER** **CLR** during a conversation.

2 Dial the extension number.

3 Wait for an answer and announce.

4 Press **OFF**.

▷ Transferring a call to an outside party

— This feature must be enabled by PBX Programming.

1 Press **XFER** **CLR** during a conversation.

2 Press **F1 - F3** (Flexible CO) or enter the line access number, and dial the phone number.

3 Wait for an answer and announce.

4 Press **OFF**.

USEFUL FEATURES

FLASH **EMSS**

You can disconnect the current call and make another call.

- 1 Press **FLASH** while dialing or talking.
- 2 Make another call.

NOTE:

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

KEY LOCK

You can lock the buttons while in idle.



▷ Setting (Key Lock ON)

- 1 Press **PROG KEYLOCK** for about 1 second until beep tones sound.

▷ Canceling (Key Lock OFF)

- 1 Press **PROG KEYLOCK** for about 1 second until beep tones sound.

NOTE:

- In Key Lock mode, only **PROG KEYLOCK** works while in idle. However, you can answer the calls by pressing **INT'**  or flashing **F1-F3** .

PBX STATION PROGRAMMING **EMSS**

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

▷ To enter the PBX Station Programming mode

- 1** Press **PROG**.
 - PROGRAM indicator turns on.
- 2** Dial **ABC2**.
(Confirmation tone sounds.)
 - **INT** flashes.

▷ To exit the PBX Station Programming mode

- 1** Press **OFF**.
 - PROGRAM indicator turns off.

HANDSET PROGRAMMING

You can change the default settings or programming of the handset.

The programming mode is canceled:

- when you receive a call,
- when there is a pause over 30 seconds,
- when you put the handset in the charger.

▷ To enter the Handset Programming mode

- 1 Press **PROG**.
 - PROGRAM indicator turns on.

- 2 Dial **1**.
(Confirmation tone sounds.)

The programming variations are:

- Vibrate and Ringer (page 17)
- Ringer Pattern Selection (page 18)
- Back Light (page 18)
- Auto Talk (page 18)
- Any Key Answer (page 19)
- Handset Programming Data Default Set (page 19)

▷ To exit the Handset Programming mode

- 1 Press **OFF**.
 - PROGRAM indicator turns off.

VIBRATE AND RINGER

When you receive a call, your handset vibrates 4–5 times then rings.

[Default: Off]

- 1 Enter the Handset Programming mode. (Press **PROG** and **1**.)
- 2 Dial **1**.
- 3 Select "On" by dialing **1**.
Select "Off" by dialing **ABC2**.
- 4 Exit by pressing **OFF**.

RINGER PATTERN SELECTION

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

- 1** Enter the Handset Programming mode. (Press **PROG** and **1**.)
- 2** Dial **ABC2**.
- 3** Select the desired ringer pattern by pressing **1** - **MIC6**.
- 4** Exit by pressing **OFF**.

BACK LIGHT

You can turn on/off the keypad back lights to save your battery. [Default: On]

- 1** Enter the Handset Programming mode. (Press **PROG** and **1**.)
- 2** Dial **DEF3**.
- 3** Select "On" by dialing **1**.
Select "Off" by dialing **ABC2**.
- 4** Exit by pressing **OFF**.

AUTO TALK

You can answer a call by just lifting up the handset from the charger. [Default: On]

- 1** Enter the Handset Programming mode. (Press **PROG** and **1**.)
- 2** Dial **GH4**.
- 3** Select "On" by dialing **1**.
Select "Off" by dialing **ABC2**.
- 4** Exit by pressing **OFF**.

ANY KEY ANSWER

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

- 1 Enter the Handset Programming mode. (Press **PROG** and **1**.)
- 2 Dial **JKL5**.
- 3 Select "On" by dialing **1**.
Select "Off" by dialing **ABC2**.
- 4 Exit by pressing **OFF**.

HANDSET PROGRAMMING DATA DEFAULT SET

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

<All Data Default Set>

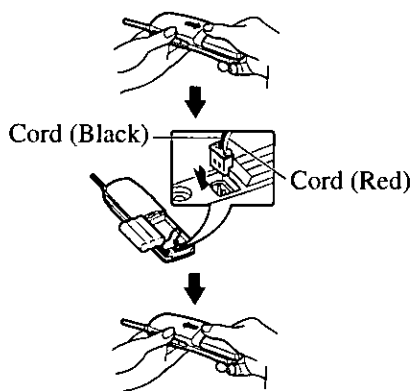
- Handset Program
- Ringer/Receiver Volume (page 9)
- SLT Station Program
 - Speed Dialing (page 11)
 - One-touch Dialing (page 12)

<Handset Program Data Default Set>

- Vibrate and Ringer (page 17)
- Ringer Pattern Selection (page 18)
- Back Light (page 18)
- Auto Talk (page 18)
- Any Key Answer (page 19)

- 1 Enter the Handset Programming mode. (Press **PROG** and **1**.)
- 2 Dial **OPER0**.
- 3 Select "All Data Default Set" by dialing **1**.
Select "Handset Program Data Default Set" by dialing **ABC2**.
- 4 Exit by pressing **OFF**.

REPLACING THE BATTERY



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

NOTE: _____

- If you replace the battery, all programmed data will be lost.
- Please order Panasonic battery with service part No. PSPT3HRAAU41 to replace. (Part No. on battery case is PSPT3HRAAU4165.)

CAUTION: _____

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type of battery recommended by the manufacturer.

Dispose of used batteries according to the manufacturer's instructions.

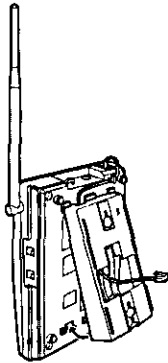
The product that you have purchased contains a rechargeable battery. The battery is recyclable. At the end of its useful life, under various state and local laws, it may be illegal to dispose of this battery into the municipal waste stream. Check with your local solid waste officials for details in your area for recycling options or proper disposal.

WALL MOUNTING

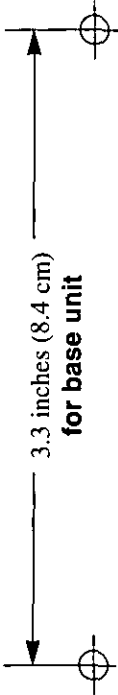
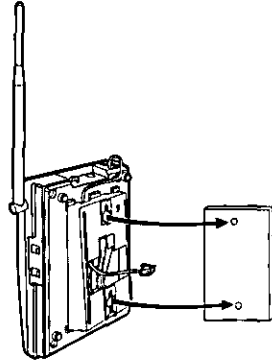
The base unit and the charger can be mounted on a wall.

▷ Base Unit

- 1** Drill 2 holes spaced 3.3 inches (8.4 cm) 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.

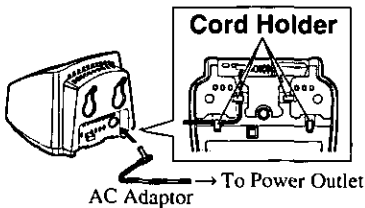


- 3** Mount the base unit securely on the wall.

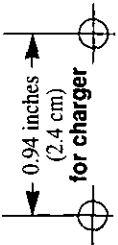
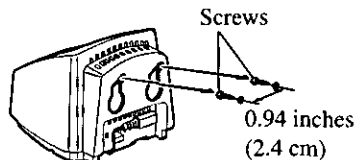


▷ Charger

- 1** Connect the charger to a power outlet using the AC adaptor.



- 2** Drive screws using the wall template on the right.

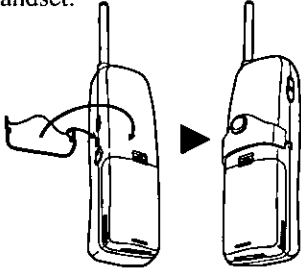


- 3** Mount the charger securely on the wall.

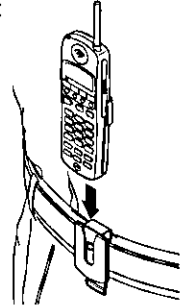
INSTALLING THE HANDSET CLIP

You can hang the handset on your belt.

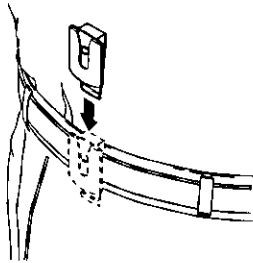
- 1** Attach the handset clip on your handset.



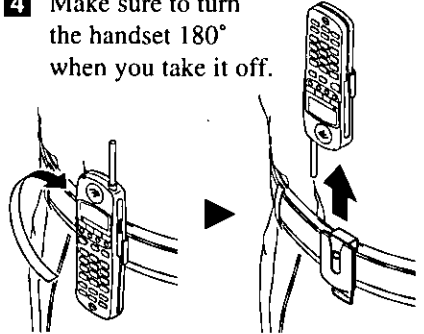
- 3** Insert the handset with handset clip on your belt holder.



- 2** Attach the belt holder on your belt.

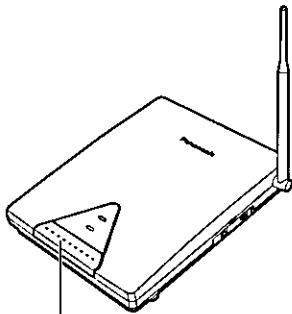


- 4** Make sure to turn the handset 180° when you take it off.



LOCATING THE HANDSET FROM THE BASE UNIT

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



LOCATOR Button

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

The **IN USE** indicator flashes and the handset beeps.

To stop the beeping,
press the **LOCATOR** button again

or
press **OFF**.

TROUBLESHOOTING

Trouble	Remedy
The unit does not work.	<ul style="list-style-type: none"> • 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. • Install the battery properly (see page 20).
Sound flutters or fades.	<ul style="list-style-type: none"> • You are too far from the base unit, approach the base unit. • Raise the antenna of the base unit. • Place the base unit away from office equipment such as computers.
I am encountering interference from another unit.	<ul style="list-style-type: none"> • Set the handset and the base unit away from other electrical appliances.
The handset does not ring.	<ul style="list-style-type: none"> • Set the POWER switch to "ON." • Change the ringer volume level.
Beep tones sound every fifteen seconds during a conversation.	<ul style="list-style-type: none"> • 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 the BATT-LOW indicator flashes after a few telephone calls.	<ul style="list-style-type: none"> • Clean the battery charge contacts without damaging them 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.	<ul style="list-style-type: none"> • The unit will not function during a power failure.
I cannot store a phone number into memory.	<ul style="list-style-type: none"> • Do not pause for over 30 seconds while storing.
While operating the unit, the AC adaptor feels warm. While charging the battery, the handset feels warm.	<ul style="list-style-type: none"> • These are normal conditions.
I cannot make a call from a parallel single line telephone.	<ul style="list-style-type: none"> • A single line telephone cannot be connected in parallel with this unit in EMSS mode (see page 8).
The charge indicator flashes red rapidly.	<ul style="list-style-type: none"> • Make sure the battery cord is connected.

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 servicer 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 wall outlet and refer servicing to an authorized servicer 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 servicer.
 - 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 and Other Information

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

- FCC Registration No.: (found on the bottom of the unit)
- Ringer Equivalence: (found on the bottom of the unit)
- The particular telephone lines 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.

IMPORTANT SAFETY INSTRUCTIONS

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.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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

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.

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.

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 905 MHz to 925 MHz and the power output level can range from 0.01 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.

IMPORTANT SAFETY INSTRUCTIONS

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 Service Centers. If the known working phone does not operate properly, consult your telephone company.

Hearing Aid Compatibility

This telephone provides magnetic coupling for hearing aids.

For Product Service

- Panasonic Servicenters are listed in the servicer directory.
- Call 1-800-211-PANA (7262) for the location of an authorized servicer.
- Panasonic's e-mail address for customer inquiries:
consumerproducts@panasonic.com
for customers in the USA or Puerto Rico ONLY

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 servicer, 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.

- This cordless telephone is designed for use in the United States of America. Sale or use of this product in other countries may violate local laws.
- Ce téléphone sans fil est conçu pour être utilisé aux États-Unis d'Amérique. La vente ou l'emploi de cet appareil dans certains autres pays peut constituer une infraction à la législation locale.
- Este teléfono sin cordón fue elaborado para uso en los Estados Unidos de América. La venta o el empleo de este producto en ciertos países puede constituir violación de la legislación local.
- このコードレス電話機は、日本国外での使用を目的として設計されており、日本国内での使用は法律違反となります。従って、当社では日本国内においては原則として修理などのサービスは致しかねます。

FEATURES LIST











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

For the KX-TA624

Desired Function	Operation
Call Forwarding	 ► PORS 7 1 ► All Calls 1 ► extension no. ►  Busy/No Answer ABC 2 ► extension no. ►  To an outside line DEF 3 ► line access no. ► phone no. ►  Follow Me JKL 5 ► your extension no. ►  Cancel OPER 0  Cancel Follow Me TUV 8 ► your extension no. ►  ► 
Call on Hold	Holding  To retrieve a call on hold  ► Talk
Call Transfer	 ► extension no. to an extension F1-F3 phone no. to an external party ► Announce ► 
Conference	PAUSE/CONF  ► third party's no. ► Talk ► PAUSE/CONF 
Do Not Disturb (DND)	 ► PORS 7 1 ► QMI 4 to set OPER 0 to cancel ►  ► 
Message Waiting	To leave a notification <i>If the called extension is busy or does not answer</i>  ► PORS 7 OPER 0 1 ► extension no. ►  ►  To cancel a notification  ► PORS 7 OPER 0 ABC 2 ► extension no. ►  ► 












FEATURES LIST

For the KX-TD816/1232/308

Desired Function	Operation				
Call Forwarding	 ► FORN7 ► 1 ► OPER0 ► <div style="border: 1px dashed black; padding: 5px; display: inline-block;"> <p>All Calls ► OFF</p> <p>ABC2 ► extension no.</p> <p>Busy</p> <p>DEF3 ► extension no.</p> <p>No Answer</p> <p>GHI4 ► extension no.</p> <p>Busy/No Answer</p> <p>JKL5 ► extension no.</p> <p>To an outside line</p> <p>MNO6 ► line access no. ► phone no. ► Σ□</p> <p>Follow Me</p> <p>FORN7 ► your extension no.</p> <p>Cancel</p> <p>OPER0</p> <p>Cancel Follow Me</p> <p>TUV8 ► your extension no.</p> </div>				
Call on Hold	<p>Holding </p> <p>To retrieve a call on hold</p> <p> ► Talk</p>				
Call Transfer	 ► <table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td>extension no.</td> <td>to an extension</td> </tr> <tr> <td>F1-F2 </td> <td>to an external party</td> </tr> </table> ► Announce ► OFF	extension no.	to an extension	F1-F2 	to an external party
extension no.	to an extension				
F1-F2 	to an external party				
Conference	PAUSE/CONF INFO ► third party's no. ► Talk ► PAUSE/CONF INFO				
Do Not Disturb (DND)	 ► FORN7 ► 1 ► OPER0 ► <table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td>1</td> <td>to set</td> </tr> <tr> <td>OPER0</td> <td>to cancel</td> </tr> </table> ► OFF	1	to set	OPER0	to cancel
1	to set				
OPER0	to cancel				
Message Waiting	<p>To leave a notification <i>If the called extension is busy or does not answer</i></p> <p> ► FORN7 ► OPER0 ► 1 ► extension no. ► OFF</p> <p>To cancel a notification</p> <p> ► FORN7 ► OPER0 ► OPER0 ► extension no. ► OFF</p>				

FEATURES LIST

For the KX-TD500

Desired Function	Operation
Call Forwarding	 ► PKRS7 ► 1 ► OPER0 ► <div style="border: 1px dashed black; padding: 5px; display: inline-block;"> <p>All Calls ► OFF</p> <p>ABC2 ► extension no</p> <p>Busy</p> <p>DEF3 ► extension no</p> <p>No Answer</p> <p>GHI4 ► extension no</p> <p>Busy/No Answer</p> <p>JKL5 ► extension no</p> <p>To an outside line</p> <p>MNO6 ► line access no ► phone no ► </p> <p>Follow Me</p> <p>PKRS7 ► your extension no</p> <p>Cancel</p> <p>OPER0</p> <p>Cancel Follow Me</p> <p>TUV8 ► your extension no</p> </div>
Call on Hold	<p>Holding </p> <p>To retrieve a call on hold</p> <p> ► Talk</p>
Call Transfer	<p> ► extension no to an extension</p> <p>F1-F2  phone no to an external party ► Announce ► OFF</p>
Conference	<p>PAUSECONF  ► third party's no ► Talk ► PAUSECONF </p>
Do Not Disturb (DND)	<p> ► PKRS7 ► 1 ► OPER0 ► 1 to set</p> <p>OPER0 to cancel ► OFF</p>
Message Waiting	<p>To leave a notification <i>If the called extension is busy or does not answer</i></p> <p> ► PKRS7 ► OPER0 ► 1 ► extension no ► OFF</p> <p>To cancel a notification</p> <p> ► PKRS7 ► OPER0 ► OPER0 ► extension no ► OFF</p>

FEATURES LIST

For the KX-T336

Desired Function	Operation
Call Forwarding	<p> ► ► <div style="border: 1px dashed black; padding: 5px; display: inline-block;"> <p>All Calls </p> <p> ► extension no.</p> <p>Busy/Off-Hook</p> <p> ► extension no.</p> <p>No Answer</p> <p> ► extension no.</p> <p>Busy/Off-Hook / No Answer</p> <p> ► extension no.</p> <p>To an outside line</p> <p> ► line access no. ► phone no. ► </p> <p>Follow Me</p> <p> ► your extension no.</p> <p>Cancel Follow Me</p> <p> ► your extension no.</p> </div> </p> <p>Cancel</p> <p> ► ► ► </p>
Call on Hold	<p> Holding </p> <p> To retrieve a call on hold ► Talk </p>
Call Transfer	<p> ► <div style="border: 1px solid black; padding: 5px; display: inline-block;"> <p>extension no. to an extension</p> <p> phone no. to an external party</p> </div> ► Announce ► </p>
Conference	<p> ► third party's no. ► Talk ► </p>
Do Not Disturb (DND)	<p> ► <div style="border: 1px solid black; padding: 5px; display: inline-block;"> <p> to set</p> <p> to cancel</p> </div> ► </p>
Message Waiting	<p> To leave a notification (SLT only) <i>If the called extension is busy or does not answer</i> </p> <p> ► ► extension no. ► </p> <p> To cancel a notification </p> <p> ► ► extension no. ► </p>

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

Copyright:

This manual is copyrighted by Kyushu Matsushita Electric Co., Ltd. (KME).
Under the applicable copyright laws, this manual may not be reproduced in any
form, in whole or part, without the prior written consent of KME and its licensee.

© 2001 Kyushu Matsushita Electric Co., Ltd. All Rights Reserved.