Panasonic

Cordless Answering System

Model No. **KX-TCM410-W**
KX-TCM412-B

Pulse-or-tone dialing capability

Operating Instructions

SOUND CHARGER
PLUS

25 CHANNEL

KX-TCM412-B

PLEASE READ BEFORE USE AND SAVE.

Charge the battery for about 3 hours before initial use.

Please read IMPORTANT SAFETY INSTRUCTIONS on pages 48–49 before use. Read and understand all instructions.

Thank you for purchasing this Panasonic cordless telephone.

Attach your purchase receipt here.

For your future reference

Serial No. _____   Date of purchase _____
(found on the bottom of the unit)

Name and address of dealer _____

Accessories   To order accessories, call 1-800-211-PANA(7262).

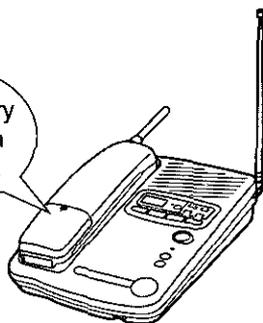| ☐ AC Adaptor (p. 9) Order No. KX-A11-6	☐ Telephone Line Cord (p. 9)	☐ Wall Mounting Adaptor (p. 42, 44) Order No. PQKL10028Z1 (White) PQKL10028Z2 (Black)
one	one	one

For Best Performance

Battery Charge

A rechargeable Ni-Cd battery powers the handset. Charge the battery for about **3 hours** before initial use (p. 10).
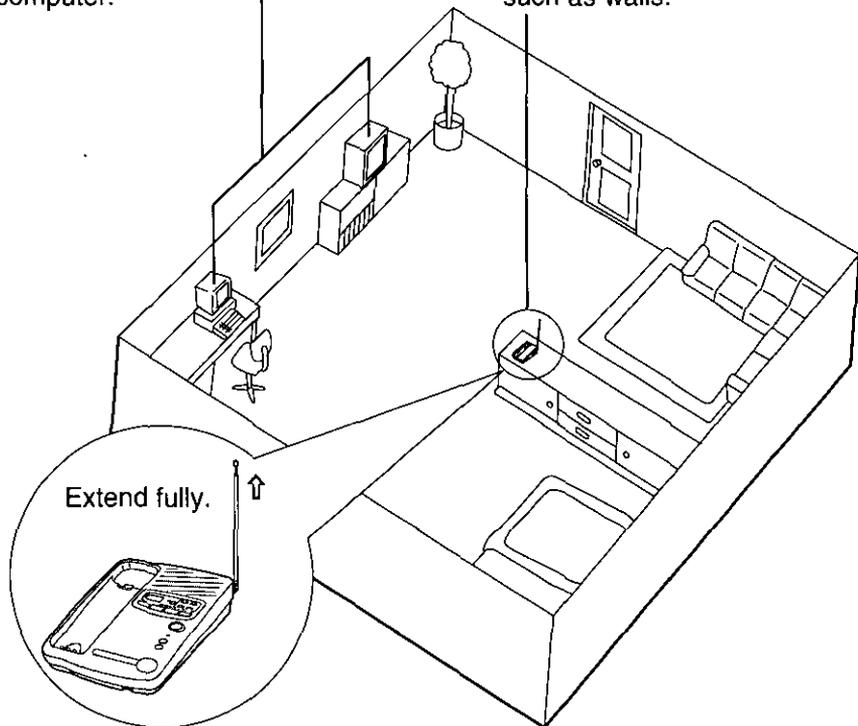
The battery is beneath this cover.

Operating Distance/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:

Away from electrical appliances such as a TV, radio, or personal computer.

In a HIGH and CENTRAL location with no obstructions such as walls.

Extend fully.

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(INTERCOM) Button
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Panasonic

(FLASH) Button
(p. 19, 24)

(LOUD/RINGER)
Button (p. 19, 20)

(TONE) Button (p. 24)

(REDIAL) Button
(p. 19)

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(PROGRAM/2WAY REC)
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Base unit

(GREETING CHECK) Button (p. 12)

(GREETING REC) (Record) Button (p. 12)

(MEMO) Button (p. 27)

(ANSWER ON) Button and Indicator (p. 25)

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(ERASE) Button (p. 27)

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IN USE/CHARGE Indicator
(p. 10)

Charge Contacts (p. 10)

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VOLUME ⌒, ⌄ Buttons (p. 12)

(STOP) Button (p. 12, 26)

7

➪ Location of Controls

Base unit display

```
 -☀-
```

The clock needs adjusting (p. 15).

```
 ' 2
```

12 messages have been recorded.

```
 E
```
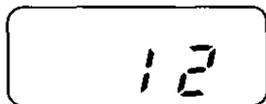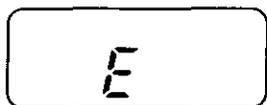
Your message was not recorded correctly. Record it again (p. 12, 27).

```
 FULL
```

Memory is full. Erase some or all of the messages (p. 27).

```
 P
```
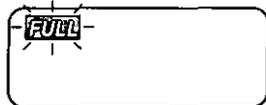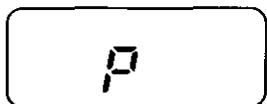
The unit is in programming mode.

```
 G.0.
```
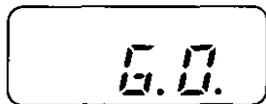
The recording time is set to "greeting only" (p. 16).

```
 5
```
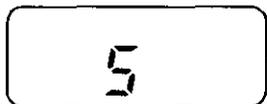
The speaker volume level is set to "5". You can select 9 levels (0–8) while using the answering system (p. 12, 26).

```
 PAGER
```
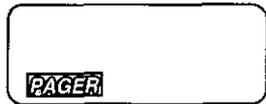
The pager call mode is set to ON (p. 29).

Settings ⇨

Connections

Extend the antenna fully.

Single-Line
Telephone Jack
(RJ11C)

Fasten the AC adaptor cord to
prevent it from being disconnected.

Hook

Telephone
Line Cord

Power Outlet
(AC 120 V, 60 Hz)

AC
Adaptor
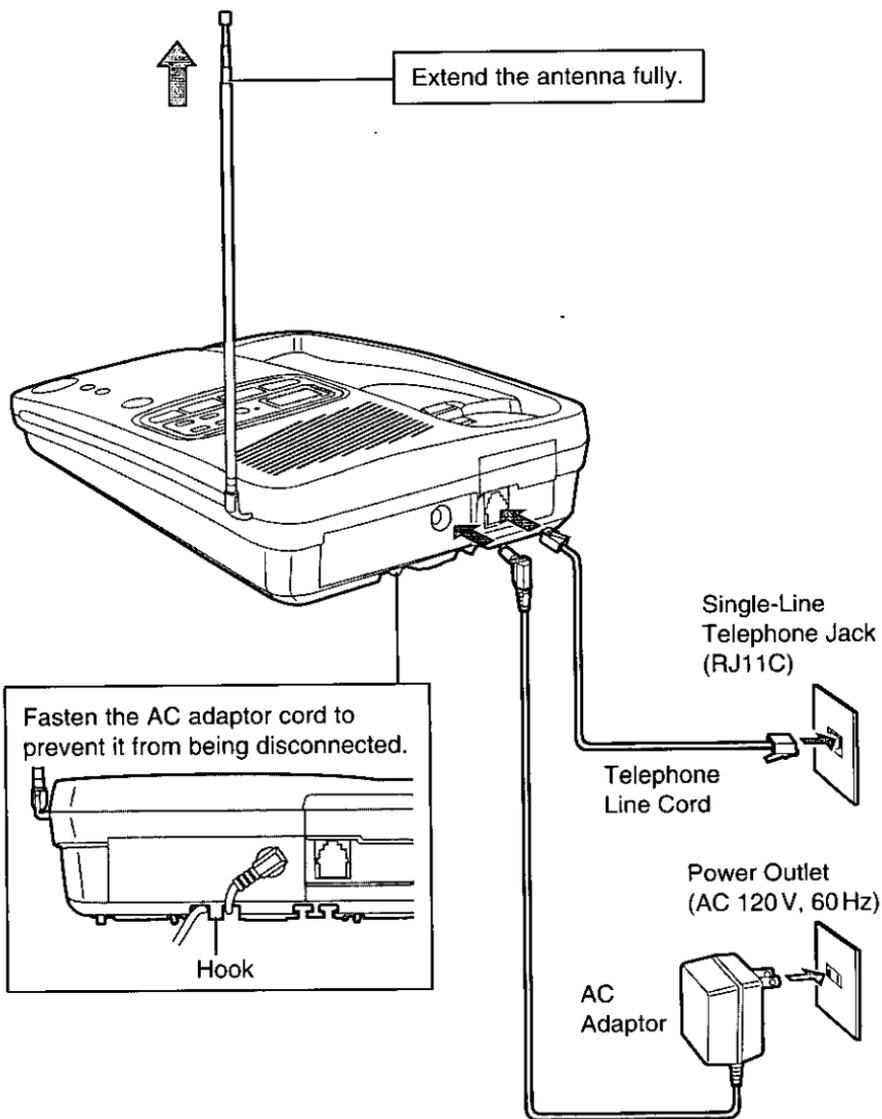
○USE ONLY WITH Panasonic AC ADAPTOR KX-A11 or KX-A11-6.
○The AC adaptor must remain connected at all times. (It is normal for the
adaptor to feel warm during use.)
○To connect a standard telephone on the same line, see page 44.

➡ Settings

Battery Charge

Place the handset on the base unit and charge for about **3 hours** before initial use.

○The IN USE/CHARGE indicator lights.

IN USE/CHARGE Indicator

Recharge

When the BATT LOW indicator flashes or the unit beeps intermittently, recharge the battery.

○The BATT LOW indicator will continue to flash for at least 10 minutes once you begin recharging. This time will increase the more you use the handset while recharging.
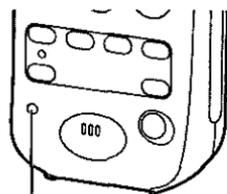
BATT LOW Indicator

Battery information

If your Panasonic battery is fully charged;

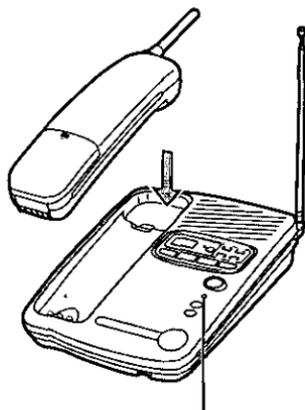| Operation	Approx. battery life
While in use (TALK)	Up to about 8 hours
While not in use (Stand-By)	Up to about 30 days

○Battery life may vary depending on usage conditions and ambient temperature.
○**Clean the handset and the base unit charge contacts with a soft dry cloth once a month. Clean more often if the unit is subject to grease, dust or high humidity.** If not, the battery may not charge properly.
○If the battery is fully charged, you do not have to place the handset on the base unit until the BATT LOW indicator flashes. This will maximize the battery life.
○The battery cannot be overcharged.

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Selecting the Dialing Mode

You can program the dialing mode **by using the handset near the base unit**. If you have touch tone service, set to TONE. If rotary or pulse service is used, set to PULSE. The factory preset is TONE.

The TALK indicator light must be off before programming.

1 Press (PROGRAM/2WAY REC).

○The TALK indicator flashes.

2 Press (AUTO).

3 To select PULSE, press ⊞ twice.
OR
To select TONE, press ✳ twice.

4 When finished, press
(PROGRAM/2WAY REC).

○A confirmation tone sounds.*

TALK Indicator

(AUTO)
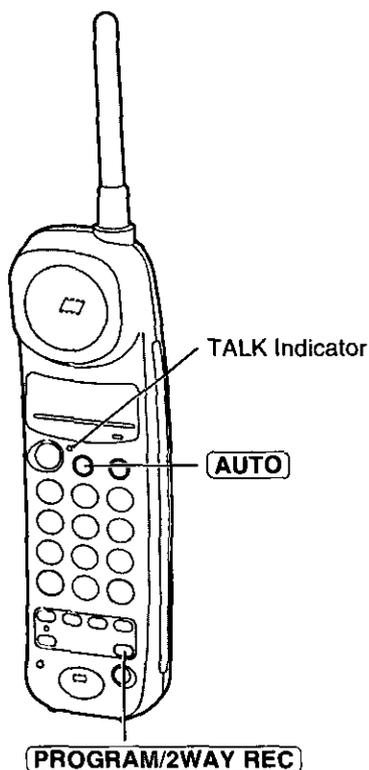
(PROGRAM/2WAY REC)

○To cancel during programming, press (PROGRAM/2WAY REC), then start from step 1.
○If 3 beeps sound during programming, a wrong key was pressed. Restart from step 1.

*What the confirmation tone means

1 beep: The mode is different from the previously selected one.
2 beeps: The mode is the same as the previously selected one.

If a power failure occurs, the mode will return to the factory preset (TONE). Reprogram if necessary.

11

Greeting Message

You can record a personal greeting message. If not, one of two pre-recorded greetings will be played when a call is received (p. 13).

All messages (greeting, incoming, memo, etc.) are stored in digital memory (p. 13). The **total recording time is about 16 minutes**. We recommend you record **a brief greeting message** (see the sample on the next page) in order to leave more time for recording new messages.

To record a greeting message

1 Press (GREETING REC) to start the recording mode.

　o"Press RECORD again to record greeting." is heard.

2 Within 5 seconds, press (GREETING REC) again to record your greeting.

　oA long beep sounds.

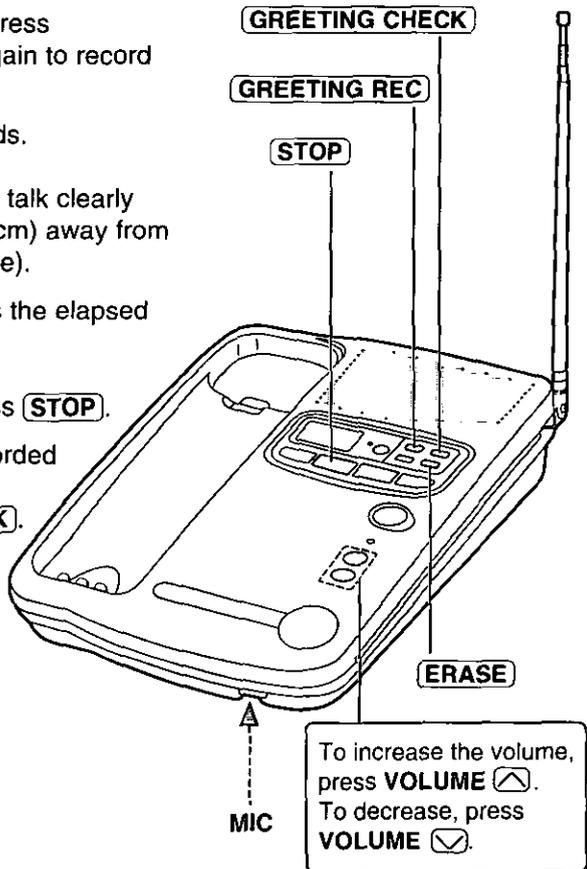3 After the long beep, talk clearly about 8 inches (20 cm) away from the MIC (microphone).

　oThe display shows the elapsed recording time.

4 When finished, press (STOP).

　oTo check the recorded greeting, press (GREETING CHECK).
　oTo change the message, repeat from step 1.

(GREETING CHECK)

(GREETING REC)

(STOP)

(ERASE)

MIC

To increase the volume, press **VOLUME** △.
To decrease, press **VOLUME** ▽.

Greeting message sample

"Hello, this is (your name and/or number). Sorry I cannot take your call. Please leave a message after the beep. Thank you."

To erase the recorded greeting message

Press (GREETING CHECK) ⇨ press (ERASE) while the message is being played.

o The unit will answer a call with a pre-recorded greeting.

Pre-recorded greeting message

If you do not record a greeting message (p. 12), one of the following two messages will be played when a call is received depending on the caller's recording time (p. 16).

To check the pre-recorded greeting, press (GREETING CHECK).

o A pre-recorded greeting will be played as below.

▣ When the recording time is set to "1 minute" or "unlimited";
 "Hello, we are not available now. Please leave your name and phone number after the beep. We will return your call."

▣ When the recording time is set to "greeting only";
 "Hello, we are not available now. Please call again. Thank you for your call."

Flash Memory Message Backup

Messages are stored indefinitely on a "flash memory" IC chip—even if a power failure occurs. All of the messages are saved until you erase them.

Programmable Preparations

You can program the following functions **by using the handset near the base unit**. See the noted pages for details.

The TALK indicator light must be off before programming.

Lift the handset, then press (PROGRAM/2WAY REC).

⬇

Press (SCREEN/PLAYBACK).

⬇ ○If an alarm tone sounds, move
towards the base unit, then try again.

To adjust **the time and day**, press (0).	(page 15)
To set **the remote code**, press (1).	(page 31)
To select **the number of rings**, press (2).	(page 17)
To set **the CPC function**, press (3).	(page 18)
To set **the greeting monitor function**, press (4).	(page 18)
To select **the caller's recording time**, press (5).	(page 16)
To store **the pager number**, press (#).	(page 28)

⬇

When finished, press (PROGRAM/2WAY REC).
○A confirmation tone sounds.*

○To cancel during programming, press (PROGRAM/2WAY REC), then start
from the beginning.
○If 6 beeps sound during programming, a wrong key was pressed.
Enter the correct number again.

*What the confirmation tone means

1 beep: The new programmed number is stored.
2 beeps: The number is the same as the previously stored one.
6 beeps: The number is not correct. Try again from the beginning.

If a power failure occurs, the setting will return to the factory preset.
Reprogram if necessary.

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Time and Day Adjustment

Voice Time/Day Stamp: During playback, a synthesized voice will announce the time and day when each message was recorded.

1 Press (PROGRAM/2WAY REC).

○The TALK indicator flashes.

2 Press (SCREEN/PLAYBACK).

○The indicator lights.
○"P" is displayed on the base unit.

3 Press ⓪.

○" ⊕ " is displayed.
○"Set time" is announced.
The time/day will be heard if it was adjusted beforehand.

4 Enter the current time (hour and minute) by using a 4-digit number. (Ex. To set 9:30, enter "0930".)

○The entered number is displayed.

5 Press ✱ to select "AM" or "PM".
Press ♯ repeatedly to set the day.

6 When finished, press (PROGRAM/2WAY REC).

○The unit announces the time/day.
The clock starts working.

TALK Indicator

(PROGRAM/2WAY REC)
(SCREEN/PLAYBACK)
and Indicator
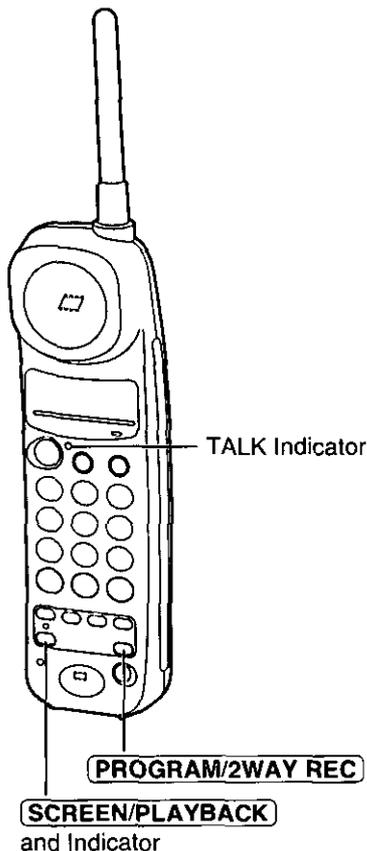
○In step 4, you cannot enter numbers greater than 12. **Do not use military time.** (To set 13:00 hours, enter "0100" and select "PM" by pressing ✱.)
○The accuracy of the clock is approximately ±45 seconds a month at room temperature.

To check the time/day

Press (PROGRAM/2WAY REC) ⇨ (SCREEN/PLAYBACK) ⇨ ⓪.

○The current time/day is heard.
When finished, press (PROGRAM/2WAY REC).

➪ Programmable Preparations

Selecting the Caller's Recording Time

You may select the caller's recording time as either "1 minute", "unlimited" or "greeting only". The factory preset is "unlimited".

1 Press (PROGRAM/2WAY REC).

○The TALK indicator flashes.

2 Press (SCREEN/PLAYBACK).

○The indicator lights.
○"P" is displayed on the base unit.

3 Press (5).

○The current setting is displayed.
  1: 1 minute
  2: unlimited (factory preset)
  3: greeting only

4 Press (1), (2) or (3) to select the recording time.

○The setting is displayed.

5 When finished, press (PROGRAM/2WAY REC).

○The indicator lights go out.

TALK Indicator

(PROGRAM/2WAY REC)
(SCREEN/PLAYBACK)
and Indicator
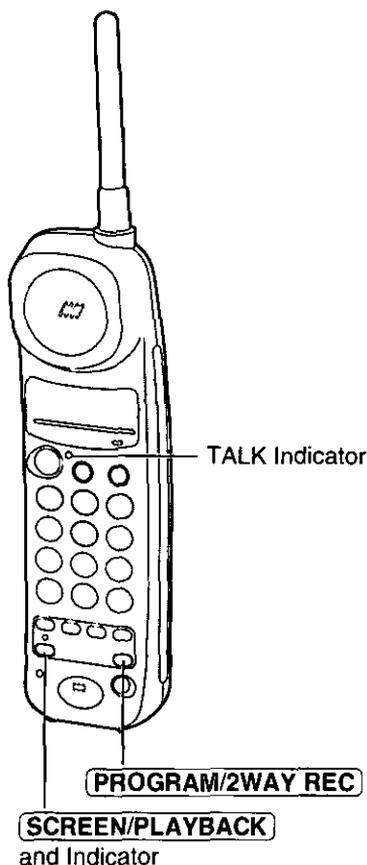
If you select "greeting only", the unit will answer a call with the greeting message, and then hang up. The unit will not record any messages.

16

Preparation

Selecting the Number of Rings

You may select the number of rings before the answering system answers a call, from "1" to "7" or "AUTO (for Toll Saver)". The factory preset is "AUTO".

1 Press (**PROGRAM/2WAY REC**).

○The TALK indicator flashes.

2 Press (**SCREEN/PLAYBACK**).

○The indicator lights.
○"P" is displayed on the base unit.

3 Press ②.

○The current setting is displayed.

4 Press a dialing button ⓪ to ⑦ to set the number of rings.

0: Selects "AUTO".
"A" is displayed.
1-7: The unit will answer after the selected number of rings.

5 When finished, press (**PROGRAM/2WAY REC**).

○The indicator lights go out.

TALK Indicator

(**PROGRAM/2WAY REC**)
(**SCREEN/PLAYBACK**)
and Indicator
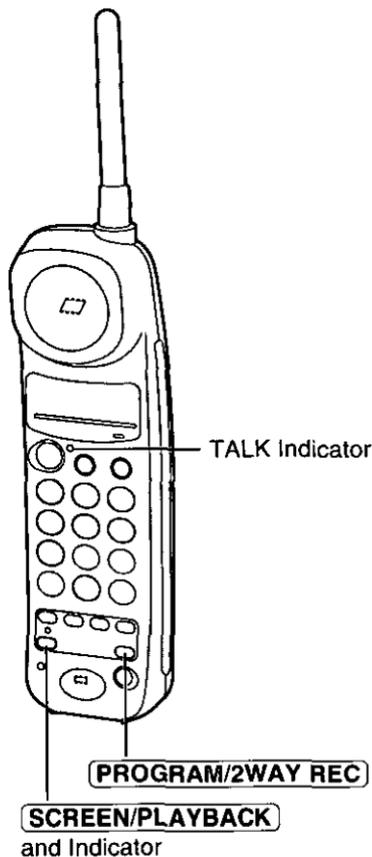
Toll Saver (When set to "AUTO")

When you call the unit from a touch tone telephone:
If the unit answers on the 2nd ring, there is at least one new message.
If the unit answers on the 4th ring, there are no new messages.
Hang up when you hear the 3rd ring. This will save you the toll charge for the call.

⏩ Programmable Preparations

Setting the CPC (Calling Party Control) Function

The CPC function is preset to "A". If you use a call waiting service, set to "b", or the call waiting tone will disconnect someone leaving a message.

1. Press (PROGRAM/2WAY REC).

2. Press (SCREEN/PLAYBACK).

3. Press ③.
   ○The current setting, "A" or "b", is displayed on the base unit.

4. To select "b", press ②.
   OR
   To select "A", press ①.
   ○The setting is displayed.

5. When finished, press (PROGRAM/2WAY REC).

Setting the Greeting Monitor Function

When your greeting message is being played to the caller, you can also listen to it through the speaker. To listen to your greeting, set to "2 (ON)". The factory preset is "1 (OFF)".

1. Press (PROGRAM/2WAY REC).

2. Press (SCREEN/PLAYBACK).

3. Press ④.
   ○The current setting, "1" or "2", is displayed on the base unit.

4. To select "2 (ON)", press ②.
   OR
   To select "1 (OFF)", press ①.
   ○The setting is displayed.

5. When finished, press (PROGRAM/2WAY REC).

18

Making Calls

1 Press (TALK).

　○The TALK indicator lights.

2 Dial a telephone number.

　○If you misdial, press
　(FLASH) firmly then dial
　again.

3 To hang up, press (TALK)
　or place the handset on the
　base unit.

　○The TALK indicator light
　goes out.

(TALK) and Indicator

(FLASH)

(LOUD/RINGER)

(REDIAL)

(CH)
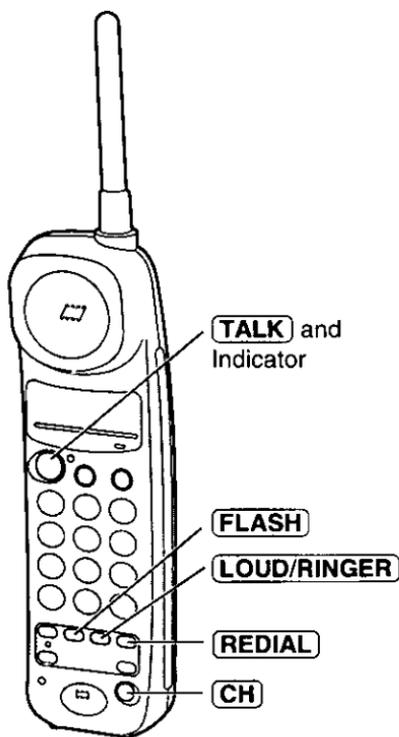
○If an alarm tone sounds in step 1, move closer to the base unit or place
the handset on the base unit. Then try again.

To redial the last number dialed

Press (TALK) ⇨ (REDIAL).

To select the receiver volume

Press (LOUD/RINGER) while talking.
○Each time you press the button, the volume level will change from
MEDIUM (preset) to HIGH to LOW.

If noise interferes with the conversation

Press (CH) to select a clearer channel or move closer to the base unit.

Answering Calls

If the handset is off the base unit,
press (TALK).

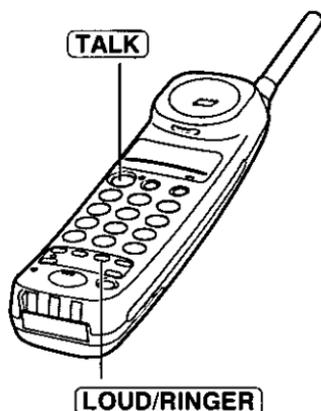○ You can also answer a call
by pressing any dialing button
0 to 9, ✳, or # (—**Any Key Talk**).

(TALK)

(LOUD/RINGER)

OR

If on the base unit, just lift up.
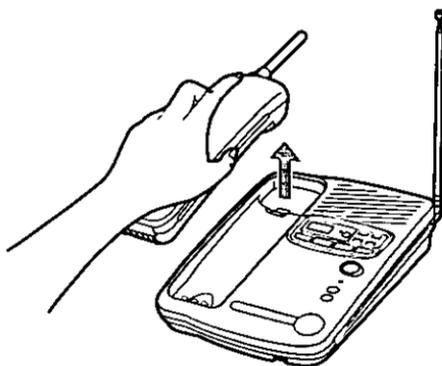
Adjusting the handset ringer volume

The TALK indicator light must be off.
○ **To select HIGH (preset) or LOW,** press (LOUD/RINGER) briefly.
(Each time you press the button briefly, the selected volume rings and
the ringer volume will change.)
○ **To turn the ringer OFF,** press and hold (LOUD/RINGER) until 2 beeps
sound.
○ **To turn the ringer ON,** press (LOUD/RINGER) briefly. The ringer sounds
at the HIGH level.

Lighted handset keypad (KX-TCM412-B only)

The dialing buttons will light while dialing and flash when a call is
received. The lights will go out about 10 seconds after dialing or
answering a call.

Speed Dialer

Storing Phone Numbers in Memory

You can store up to 10 numbers in the handset. The dialing buttons
(0 to 9) function as memory stations.

The TALK indicator light must be off before programming.

1 Press (**PROGRAM/2WAY REC**).

   o The TALK indicator flashes.

2 Enter a phone number up to 16 digits.

   o If you misdial, press
(**PROGRAM/2WAY REC**) to
end storing, then start from
step 1.

3 Press (**AUTO**).

4 Press a memory station
number (0 to 9).

   o A confirmation tone sounds.*
   o To store other numbers,
   repeat steps 1 through 4.

TALK Indicator

(**AUTO**)

Memory Station
Numbers
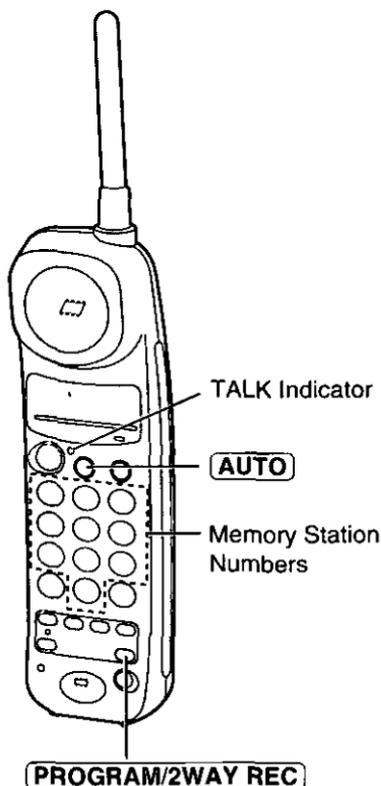
(**PROGRAM/2WAY REC**)

*What the confirmation tone means

1 beep: The new number is stored.
2 beeps: The number is the same as the previously stored one.

▷ Speed Dialer

To erase a stored number

Press (PROGRAM/2WAY REC) ⇨ (AUTO) ⇨ the memory station number
(0 to 9) for the phone number to be erased.

Dialing a Stored Number

1 Press (TALK).

2 Press (AUTO).

3 Press the memory station
number (0 to 9).

   ○The stored number is
   dialed.

(TALK)

(AUTO)

Memory Station
Numbers

Intercom

A 2-way intercom is available between the handset and the base unit.

Paging the base unit from the handset

1 Handset:
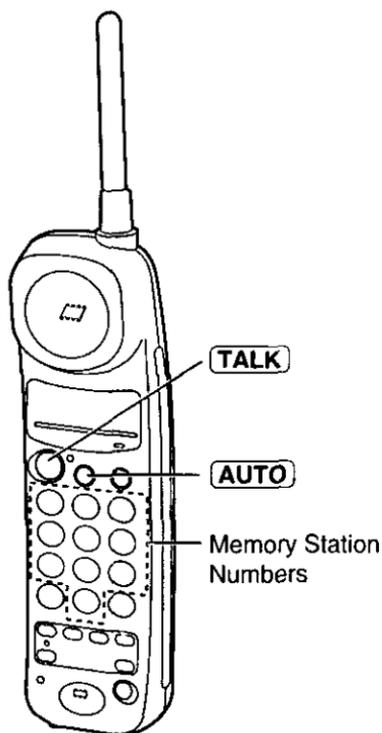Press [INTERCOM],
wait for the handset to
stop beeping, then talk.
○The indicator lights.

2 Base unit:
When the other party's
voice is heard, answer
using the **MIC**.

3 Handset:
To end the intercom,
press [INTERCOM].

[INTERCOM]
and Indicator

MIC
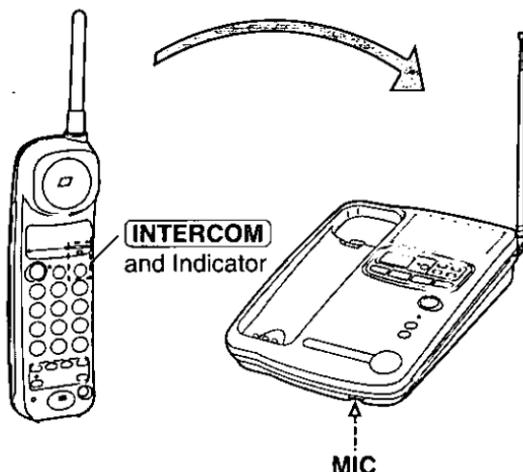
Paging the handset from the base unit (Handset locator)

Using this feature, you can locate the handset, if misplaced.

1 Base unit:
Press [LOCATOR/INTERCOM].
○The handset beeps for
1 minute.
○To stop paging, press
[LOCATOR/INTERCOM]
again.

2 Handset:
Press [INTERCOM]
to answer.

3 Base unit:
Talk into the **MIC**.

4 Handset:
To end the intercom, press
[INTERCOM].

[LOCATOR/INTERCOM]

MIC
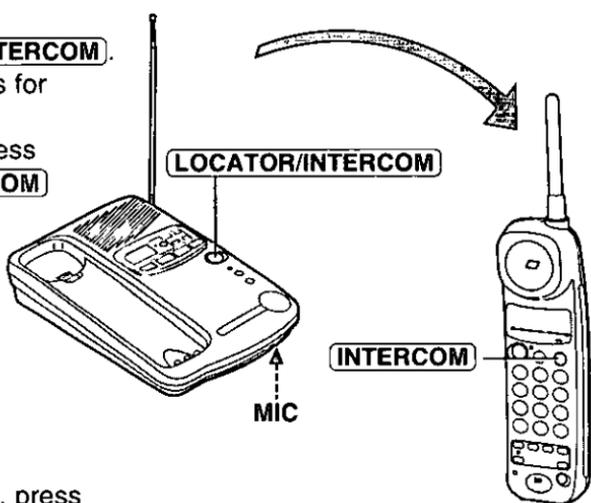
[INTERCOM]

During the intercom:
○Intercom calls can only be ended by the handset.
○If two tones sound, an incoming call has been received.
To answer, press [TALK]. The intercom is ended.

Cordless Telephone

23

Special Features
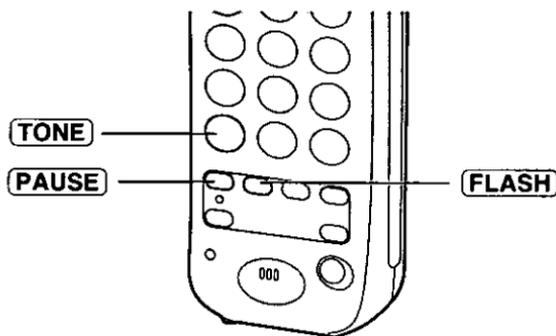
For Call Waiting Service Users

Press (FLASH) briefly if you hear a call-waiting tone while talking.
○The first call is put on hold and you can answer the second call.
○To return to the first caller, press (FLASH) again.

Automatic Security Code Setting

Whenever you place the handset on the base unit, the unit automatically selects one of 65,000 security codes. These codes help prevent the unauthorized use of your telephone line by another cordless telephone.

Temporary Tone Dialing

(For Rotary or Pulse Service Users)

Press (TONE) before entering access numbers which require tone dialing.
○The dialing mode changes to tone. You can enter numbers to access an answering service, electronic banking service, etc. When you hang up, the mode will return to pulse.

If Your Unit is Connected to a PBX

(Analog PBX Line Only)

We recommend you press (PAUSE) between the access number for an outside line and the phone number.
○Pressing (PAUSE) once creates a 3.5 second pause. This prevents misdialing when you redial or dial a stored number.
   ((PAUSE) counts as one digit.)

24

Automatic Answering Operation

When the unit answers a call, a greeting message is played and the caller's message is recorded.

○ The total recording time (including the greeting message) is **about 16 minutes**. If messages are recorded in noisy rooms, the memory time may be shortened up to 5 minutes.
○ A maximum of 64 messages (including the greeting message) can be recorded.

Setting the Unit to Answer Calls

Press (ANSWER ON) to turn on the answering system.

○ The indicator lights and "Answer set" is heard.
○ The unit will announce the remaining recording time if it is less than 5 minutes.
○ If you hear "Memory full" and the indicator flashes rapidly, erase some or all of the messages (p. 27).

(ANSWER ON) and Indicator
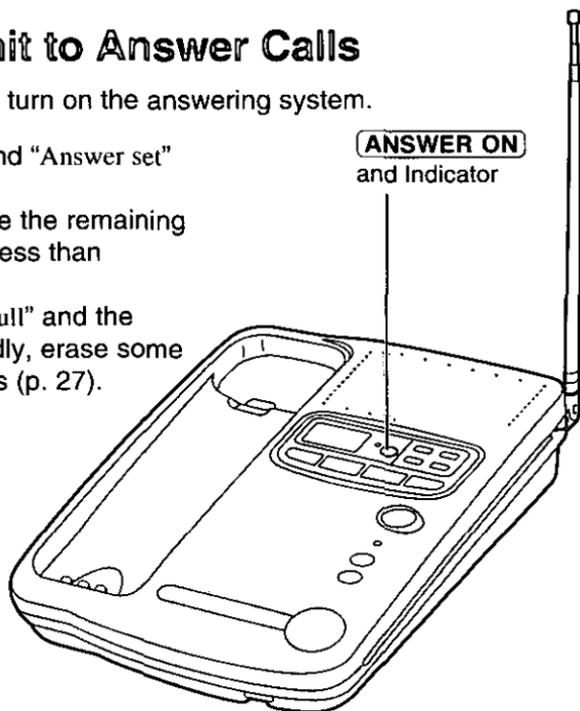
○ If you do not want the unit to answer calls, press (ANSWER ON) to turn the answering system off. The indicator light goes out and "Answer off" is heard.
○ You can also turn on the answering system remotely using any phone (p. 35).

Monitoring incoming calls

While a call is being recorded, you can monitor it through the speaker. To answer the call, lift the handset off the base unit or press (TALK) on the handset. The unit stops recording.
(To monitor incoming calls with the handset, see page 38).

Listening to Messages

You can see the total number of recorded messages on the display. If the ANSWER ON indicator flashes, new messages have been recorded.

Listening to only the new messages

Press (NEW MESSAGE) briefly.

o The unit announces the number of new messages and plays them back.

| During playback, the display shows the message number. |

Listening to all of the recorded messages

Press and hold (NEW MESSAGE) firmly until a short beep sounds.

(STOP)

(NEW MESSAGE)

(ANSWER ON) and Indicator

(REPEAT)   (MEMO)

(ERASE)

(SKIP)
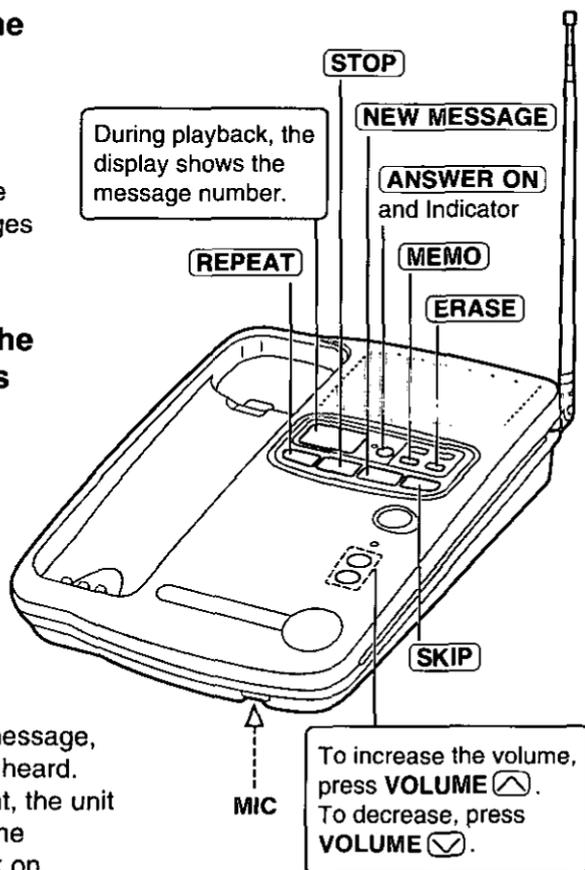
At the end of the last message, "End of final message" is heard. After the announcement, the unit will automatically turn the answering system back on.

MIC

| To increase the volume, press **VOLUME** ⌃. To decrease, press **VOLUME** ⌄. |

During playback

To **repeat** the message	Press (REPEAT). o If you press within 5 seconds of playback, the previous message will be played.
To **skip** the message	Press (SKIP). o The next message is played.
To **stop** the operation	Press (STOP). o To resume playback, press (NEW MESSAGE). To turn on the answering system, press (ANSWER ON).

26

Erasing Messages

The unit will announce the remaining recording time after playback, if it is less than 5 minutes. New messages cannot be recorded when:
—"Memory full" is heard.
—"FULL" is displayed.
—the ANSWER ON indicator flashes rapidly.
Erase some or all of the messages. We recommend you erase unnecessary messages after each playback.

Erasing a specific message

Press (ERASE) while the message you want to erase is being played.

○The unit erases the message.
○A series of beeps will sound and the unit continues to play the next message.

Erasing all of the messages

All of the recorded messages except the greeting message can be erased at one time.

1 Press (ERASE).

○"Press ERASE again to erase all messages." is heard.

2 Within 5 seconds, press (ERASE) again.

○A series of beeps and "No message" are heard.
○The display shows "0".

Recording a Memo Message

You may record a personal message in memory.

1 Press (MEMO).

○A long beep sounds.

2 After the beep, talk clearly about 8 inches (20 cm) away from the MIC.

○The display shows the elapsed recording time.

3 When finished, press (STOP).

○A beep sounds.

Answering system

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Pager Call

This feature allows you to alert your pager when the unit records an incoming message. You can retrieve the message from a touch tone telephone (p. 30). First store the pager number, then turn on the pager call mode.

The TALK indicator light must be off before programming.

Storing the Pager Number

1 Press (PROGRAM/2WAY REC).

○The TALK indicator flashes.

2 Press (SCREEN/PLAYBACK).

○The indicator lights.
○"P" is displayed on the base unit.

3 Press ⊞.

4 a) Enter your pager number and then press (PAUSE) twice.*
(Enter the access code, if required by your pager company.)

b) Enter the call back number to be displayed on the pager.
(Press ⊞, if required by your pager company.)

○If you misdial, press (PROGRAM/2WAY REC) then start from step 1.

○You can enter a total of 48 digits.

5 When finished, press (PROGRAM/2WAY REC).

○The indicator lights go out.

TALK Indicator

(AUTO)

(PAUSE)

(PROGRAM/2WAY REC)
(SCREEN/PLAYBACK)
and Indicator
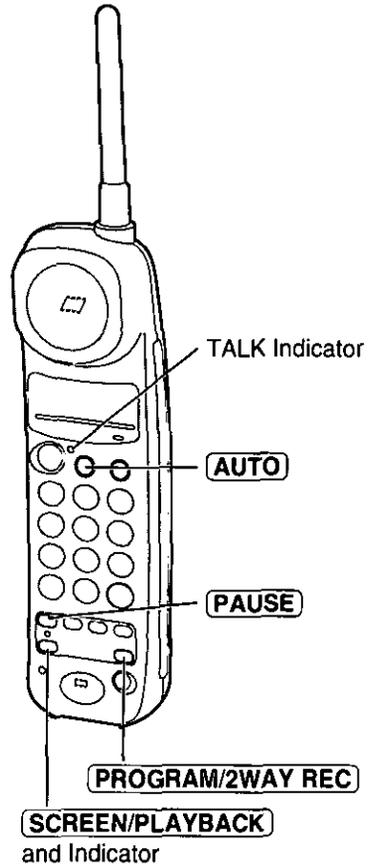
*Your pager company requires a delay after the pager number is dialed. Contact your pager company regarding the required pause time. Pressing (PAUSE) once creates a 3.5 second delay and counts as one digit.

To confirm the stored pager number

Press (TALK) ⇨ (AUTO) ⇨ #.
◦The unit dials the stored number.
◦If the pager does not beep, restart from step 1 to store the number again.

To erase the stored pager number

Press (PROGRAM/2WAY REC) ⇨ (SCREEN/PLAYBACK) ⇨ # ⇨
⇨ (PROGRAM/2WAY REC).

Setting the Unit to Call a Pager

1 Press (SCREEN/PLAYBACK).

◦The indicator lights.
◦The number of recorded messages is heard* (p. 37).

2 Press 3.

◦" **PAGER** " is displayed on the base unit.
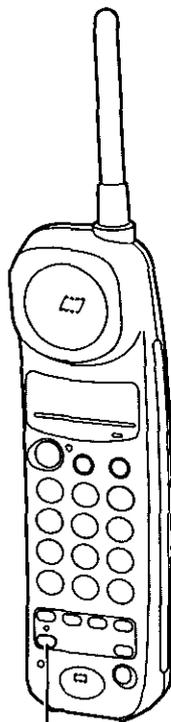◦If 6 beeps sound on the handset, the pager number is not stored. Store the number, then try again.

3 When finished, press (SCREEN/PLAYBACK).

◦The indicator light goes out.

To turn off the pager call mode, repeat steps 1 through 3.
◦" **PAGER** " will disappear.
◦Each time you press 3 in step 2, the mode will turn on or off.

(SCREEN/PLAYBACK)
and Indicator

29

Remote Operation from a Touch Tone Phone

You can operate the answering system from any touch tone phone. A synthesized voice menu will guide you on how to operate the unit (p. 32).

○To skip the voice menu and operate the unit directly, see page 34.
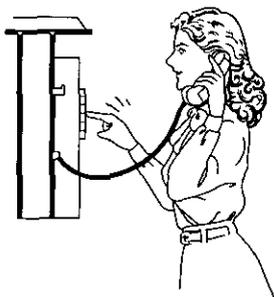
Summary of the remote operation

Call your unit from a touch tone phone.

⬇

During or after the greeting message playback, enter your remote code (p. 31).   ○The number of recorded messages is heard.*

⬇

After 3 seconds, the voice menu will start (p. 32).   Follow the menu or enter the direct commands (p. 34).

⬇

To end the remote operation, hang up.   ○The messages are saved.

*The number of messages depends on the current selected number of rings (p. 17).
For the AUTO setting, the number of new messages is heard.
For all other settings, the total number of messages is heard.

Setting the Remote Code

The remote code prevents unauthorized people from accessing your unit and listening to your messages. Choose any **2-digit number (00-99)**. The factory preset remote code is "**11**". If you do not program your own remote code, you can use "11".

The TALK indicator light must be off before programming.

1 Press (PROGRAM/2WAY REC).

○The TALK indicator flashes.

2 Press (SCREEN/PLAYBACK).

○The indicator lights.
○"P" is displayed on the base unit.

3 Press (1).

○The current remote code is displayed.

4 Enter a remote code by using a **2-digit number (00–99)**.

○The entered number is displayed.

5 When finished, press (PROGRAM/2WAY REC).

○The indicator lights go out.

TALK Indicator

(PROGRAM/2WAY REC)

(SCREEN/PLAYBACK) and Indicator
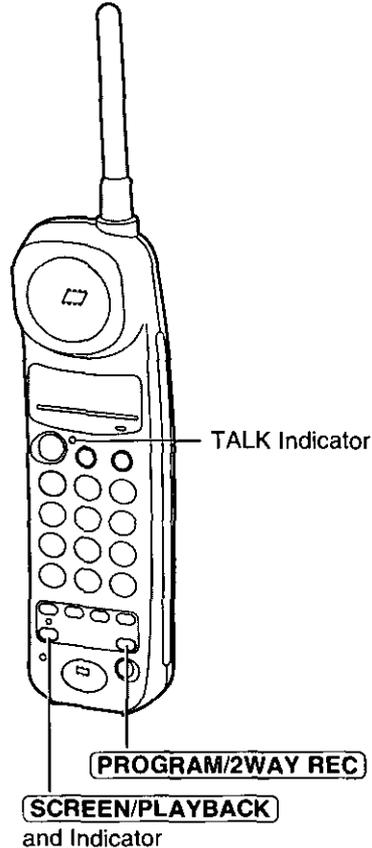
Answering system

○If 6 beeps sound in step 5, you entered a one digit number. Restart from step 1 to program a 2-digit number.

To check the remote code

Press (PROGRAM/2WAY REC) ➪ (SCREEN/PLAYBACK) ➪ (1). The current remote code is displayed. When finished, press (PROGRAM/2WAY REC).

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⇨ Remote Operation from a Touch Tone Phone

Voice Menu

The shaded boxes are voice prompts.

Press 1 to play back all messages.
Press 2 for other functions.

Press 1. → All message playback.

↓ **Press 2.**

Press 1 to play back new messages.
Press 2 for other functions.

Press 1. → New message playback.

↓ **Press 2.**

Press 1 to record your message.
Press 2 for other functions.

Press 1. → Please leave your message.

↓ **Press 2.**

Press 1 to erase all messages.
Press 2 for other functions.

Press 1.

↓ **Press 2.**

Press 1 to record your greeting.
Press 2 for other functions.

Press 1. → Press 7 to record your greeting. Press 9 to end recording.

Press 2.

All Message Playback
The unit plays back all of the recorded messages. At the end of the last message, "End of final message" and the remaining recording time are announced.

New Message Playback
The unit plays back messages which have not been played yet.

Recording a Memo Message
You can leave a personal message.
1. Talk after you hear "Please leave your message.".
2. When you finish recording, hang up.

Erasing All Messages
All of the recorded messages (except the greeting message) are erased.

Recording a Greeting Message
You can re-record your greeting message.

1. Press ⑦.
   You hear a voice prompt followed by a long beep.
2. Talk after the long beep.
3. When you finish recording, press ⑨.
4. Your greeting will be played back for confirmation.

○3 seconds after playback, the voice menu will start from the beginning.
○If you hear "Memory full" after playback, erase some or all of the messages (p. 34).

Answering system

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Direct Remote Operation

Once you have entered the remote code, you can also control your unit by direct commands instead of using the voice menu.
To end the remote operation, hang up anytime.

Direct commands

NEW MESSAGE PLAYBACK	[4]	○Only new messages are played back.
ALL MESSAGE PLAYBACK	[5]	○All of the messages are played back.
REPEAT (During playback)	[1]	○The current message is repeated.
SKIP (During playback)	[2]	○The current message is skipped. The next message is played.
STOP (During playback)	[9]	○Playback is stopped temporarily. ○To resume playback, press [9] again within 15 seconds, or the voice menu will start.
GREETING MESSAGE RECORDING	[7] ⇩ RECORD ⇩ [9]	○A long beep sounds. ○Talk immediately after the long beep. ○The recording is stopped. ○The recorded message is played.
ERASING A SPECIFIC MESSAGE (During playback)	[✱] [4]	○The current message is erased. ○A series of beeps will sound and the next message is played.
ERASING ALL MESSAGES	[✱] [5]	○All of the recorded messages are erased. ○A series of beeps and "No message" are heard.

PAGER CALL ON/OFF	**3**	○Each time you press (3), the mode will turn on/off. ○2 beeps sound and "on/off" is heard. ○If you did not store a pager number, 6 beeps will sound and the mode will not turn on.
ANSWERING SYSTEM OFF	**0**	○The unit hangs up and will not answer calls until turned on again.

Turning on the answering system

Call your unit and wait for 15 rings.

○The unit will answer and the greeting message will be played.
○The answering system will turn on. Hang up or enter the remote code for other options.
○When turning on the answering system using a rotary or pulse service telephone, you cannot enter the remote code for other options.

Skipping the greeting message

After calling your unit, press ⊛ during the greeting message playback.

○The unit skips the rest of the greeting and callers can start recording their message after the long beep.

Answering system

Remote Operation with the Handset

You can operate your answering system with the handset.
The announcement and recorded messages can only be heard from the handset.

(SCREEN/PLAYBACK)
and Indicator

Summary of the remote operation

Press (SCREEN/PLAYBACK).
⊕The indicator lights.
⊕The number of recorded messages is heard.*

○If the SCREEN/PLAYBACK indicator flashes, the answering system is off. To turn it on, press (8).

Enter the desired direct commands (see the following pages).
○If you do not enter any command, the voice menu will start (p. 37).
⊕After the voice menu, all message playback will start.

To end the remote operation, press (SCREEN/PLAYBACK).
○The messages are saved.

○If you hear "Memory full" after playback, erase some or all of the messages (p. 37).
○When an incoming message has been recorded, 4 short beeps sound two times on the handset.

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*The number of messages depends on the current selected number of rings (p. 17).
For the AUTO setting, the number of new messages is heard.
For all other settings, the total number of messages is heard.

Voice menu

If no commands are entered after you press (SCREEN/PLAYBACK), the unit will start the following voice menu.

"Press 4 to playback new messages. Press 5 to playback all messages."

○You can enter direct commands even when the voice menu has started.

Direct commands

NEW MESSAGE PLAYBACK	[4]	○Only new messages are played back.
ALL MESSAGE PLAYBACK	[5]	○All of the messages are played back.
REPEAT (During playback)	[1]	○The current message is repeated.
SKIP (During playback)	[2]	○The current message is skipped. The next message is played.
STOP (During playback)	[9]	○Playback is stopped temporarily. ○To resume playback, press [9] again within 15 seconds, or the voice menu will start.
ERASING A SPECIFIC MESSAGE (During playback)	[✳] [4]	○The current message is erased. ○A series of beeps will sound and the next message is played.
ERASING ALL MESSAGES	[✳] [5]	○All of the recorded messages are erased. ○A series of beeps and "No message" are heard.

(side tab) Answering system

▷ Remote Operation with the Handset

PAGER CALL ON/OFF	**3**	○Each time you press ③, the mode will turn on/off. ○2 beeps sound and "on/off" is heard. ○If you did not store a pager number, 6 beeps will sound and the mode will not turn on.
ANSWERING SYSTEM OFF	**0**	○The SCREEN/PLAYBACK indicator flashes.
ANSWERING SYSTEM ON	**8**	○The SCREEN/PLAYBACK indicator lights.

Monitoring incoming calls with the handset

When an incoming message is being recorded, the SCREEN/PLAYBACK indicator flashes slowly.

1. Press (SCREEN/PLAYBACK).
   ○The indicator lights and you can listen to the incoming call.
   ○To answer the call, press (TALK). The recording is stopped.

2. When finished monitoring the call, press (SCREEN/PLAYBACK).

Recording your telephone conversation with the handset

1. During a conversation with the handset, press (PROGRAM/2WAY REC).
   ○The SCREEN/PLAYBACK indicator lights.

2. Continue your conversation.

3. When finished recording the conversation, press (PROGRAM/2WAY REC).
   ○The SCREEN/PLAYBACK indicator light goes out.

Many states have imposed regulations on the manner in which 2-way telephone conversations may be recorded, so you should inform the other party that the conversation is being recorded. Consult your local telephone company for further information.

Remote Operation Card

OPERATION WITH THE HANDSET
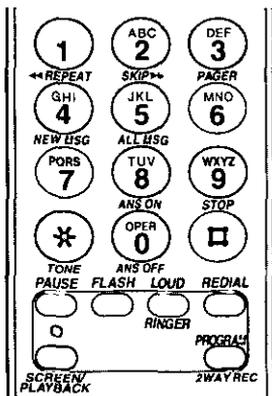
○If the SCREEN/PLAYBACK indicator flashes when you press SCREEN/PLAYBACK, the answering system is off. To turn it on, press [8].

Press **SCREEN/PLAYBACK**.

⬇

Enter the desired direct commands as below.

○**To play back new messages**, press [4].

○**To play back all messages**, press [5].

○**To repeat a message**, press [1].

○**To skip a message**, press [2]. (For more functions, see the reverse side.)

⬇

To end the remote operation, press **SCREEN/PLAYBACK**.

OPERATION FROM A TOUCH TONE PHONE

Call your unit.

⬇

Enter your remote code _____ .

⬇

Press the desired direct commands as shown here.
OR
Wait for 3 seconds and the voice menu will start.
Follow the instructions. (See the reverse side.)

⬇

To end the remote operation, hang up.

No.	Direct Command
1	Repeat the message
2	Skip the message
3	Pager call on/off
4	New message playback
5	All message playback
7	Recording your greeting
9	Stop
0	Answer off
✳	Greeting message skip
✳4	Erasing a specific message
✳5	Erasing all messages

○When you press a button, press firmly.

Answering System

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⬎ Remote Operation Card

Press **SCREEN/PLAYBACK**.

⬇

o**To erase a specific message**,
press ✱4 during the
message playback.

o**To erase all messages**,
press ✱5.

o**To turn on/off the pager call
feature**, press 3.

o**To turn off the answering
system**, press 0.

⬇

To end the remote operation,
press **SCREEN/PLAYBACK**.

o**To monitor incoming calls:**
When the SCREEN/PLAYBACK
indicator flashes slowly, press
SCREEN/PLAYBACK. When
finished, press the button again.
To answer the call, press **TALK**.

o**To stop playback temporarily:**
Press 9 during playback. To
resume playback, press 9 again
within 15 seconds.

o**To record a telephone
conversation:**
Press **PROGRAM/2WAY REC**.
When finished, press
PROGRAM/2WAY REC again.

o**To use the voice menu:**

Call your unit.

⬇

Enter your remote code _____ .

⬇

After 3 seconds, the voice menu
will start.

⬇

Press 1 to use the voice
feature.
OR
Press 2 to proceed with other
functions.

⬇

To end the remote operation,
hang up.

o**To turn on the answering system:**
Call your unit and wait for
15 rings. The unit will answer,
then hang up.

o**To skip the greeting message:**
After calling your unit, press ✱
during the greeting message
playback. Callers can start
recording their message after the
long beep.

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Battery Replacement

If the BATT LOW indicator flashes after being fully charged, replace the battery with a new Panasonic P-P301 (KX-A36A) battery. To order, call 1-800-211-PANA(7262). To prevent memory loss, replace within 5 minutes.
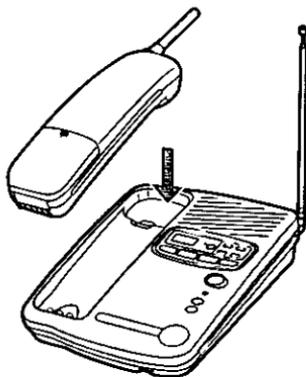
1 Remove the cover by sliding it while pressing the arrow.
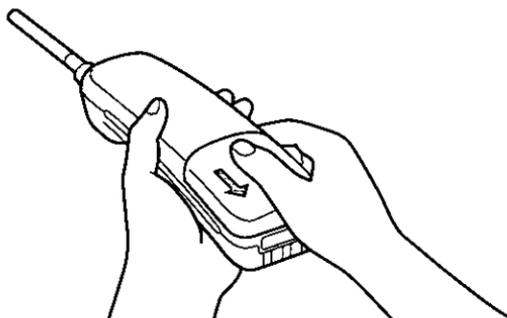
2 Replace the battery, then close the cover.
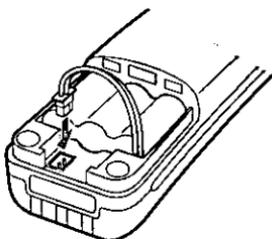
3 Be sure to charge the new battery for about 3 hours.

Attention:
The product you have purchased is powered by a nickel cadmium battery which is recyclable. At the end of its useful life, under various state and local laws, it is illegal to dispose of this battery into your municipal waste stream. Please call 1-800-8-BATTERY for information on how to recycle this battery.
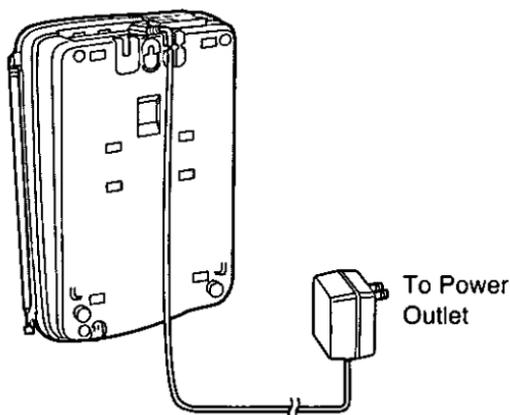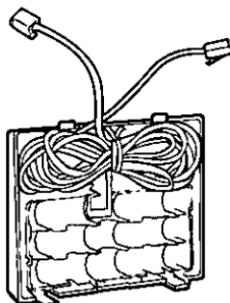
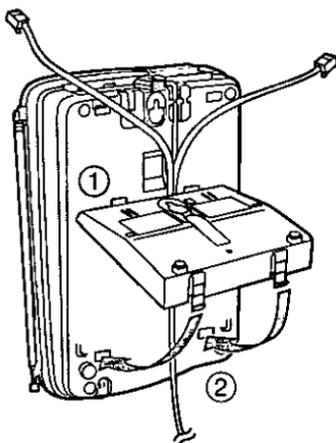# Wall Mounting

This unit can be mounted on a wall phone plate.

1 Connect the AC adaptor.

To Power
Outlet

2 Tuck the telephone line cord inside the wall mounting adaptor.

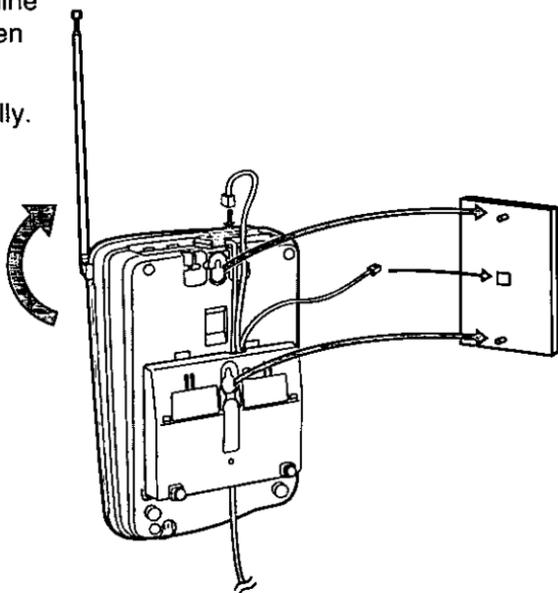**3** ① Insert the tabs of the wall mounting adaptor into the "WALL" unit openings.
② Push the adaptor in the direction of the arrow.
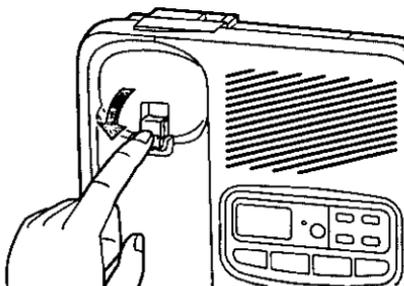
o"UP WALL" should face upward.

4 Connect the telephone line cord. Mount the unit, then slide down.
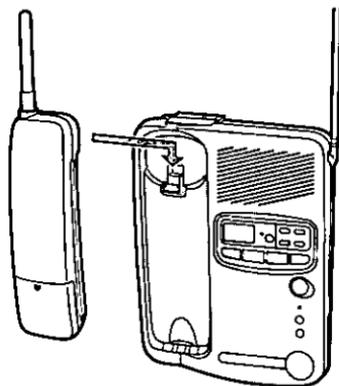
○Extend the antenna fully.

5 Pull down the handset hook until it locks **so the tab holds the handset**.

6 **To charge the battery:** Place the handset on the handset hook as shown.

○The IN USE/CHARGE indicator lights.

Convenient Desk Usage

The wall mounting adaptor can also be used to raise the unit at an angle.

① Insert the tabs of the wall mounting adaptor into the "DESK" unit openings.
② Push the adaptor in the direction of the arrow.
  ○"UP DESK" should face upward.
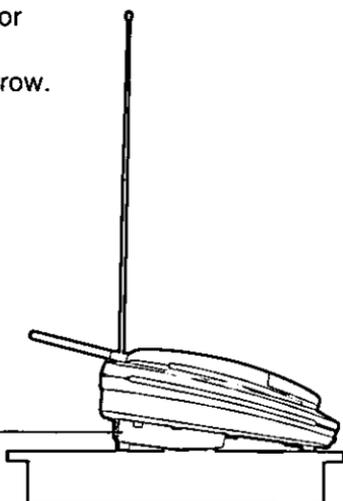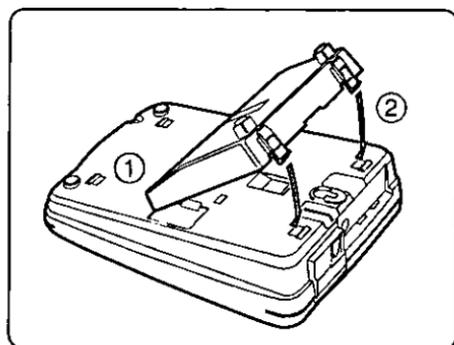
○It is not necessary to pull down the handset hook (p. 7).

Adding Another Phone

This unit will not function during a power failure. To connect a standard telephone on the same line, use the Panasonic T-adaptor KX-J66. To order, call 1-800-211-PANA(7262).

Standard Telephone

T-Adaptor (KX-J66)

Single-Line Telephone Jack

Telephone Line Cord

Before Requesting Help ▶

Cordless Telephone

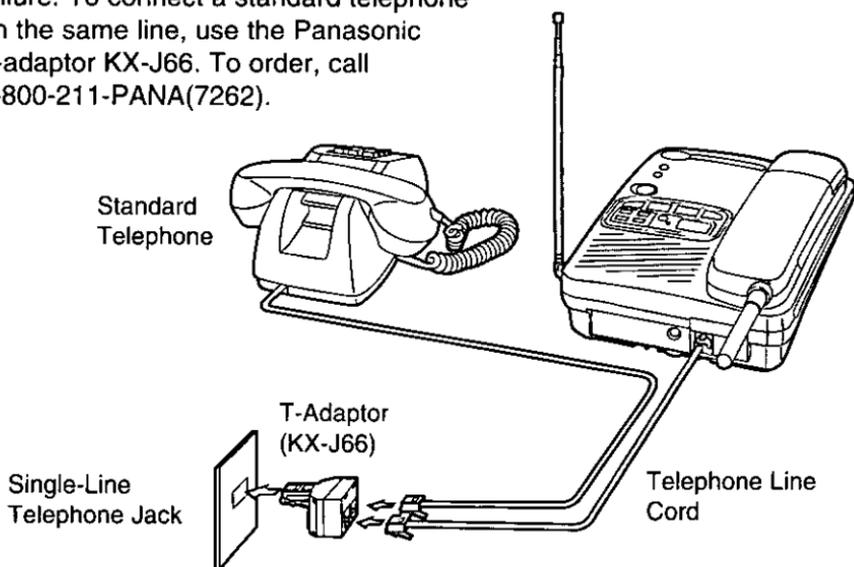| Problem	Remedy
An alarm tone sounds when you press (TALK), (SCREEN/PLAYBACK) or (INTERCOM).	○You are too far from the base unit. Move closer and try again. ○Place the handset on the base unit and try again. ○Plug in the AC adaptor. ○Extend the base unit antenna fully.
Static, sound cuts in/out, fades. Interference from other electrical units.	○Locate the handset and the base unit away from other electrical appliances (p. 3). ○Move closer to the base unit. ○Extend the base unit antenna fully. ○Press (CH) to select a clearer channel.
The handset does not ring.	○The ringer volume is set to OFF. Press (LOUD/RINGER) briefly while the TALK indicator light is off (p. 20).
You cannot store a phone number in memory.	○You cannot store a number while the unit is in the talk or intercom mode. ○Do not pause for over 30 seconds while storing.
While storing a phone number, the unit starts to ring.	○To answer the call, press (TALK). The program will be canceled. Store the number again.
(LOCATOR/INTERCOM) does not function.	○The handset is too far from the base unit or is engaged in an outside call.

Useful Information

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⇨ Before Requesting Help

Answering System

Problem	Remedy
The answering system is on, but incoming messages are not recorded.	○The recording time is set to "greeting only". Select "1 minute" or "unlimited" (p. 16). ○Memory is full. Erase some or all of the messages (p. 27).
" 𝑭𝑼𝑳𝑳 " is displayed and the ANSWER ON indicator flashes rapidly, and no new messages are recorded.	○Memory is full. Erase some or all of the messages (p. 27). If " 𝑭𝑼𝑳𝑳 " is still displayed and the ANSWER ON indicator flashes rapidly, erase your greeting message and re-record a shorter greeting (p. 12, 13).
Some incoming messages have not been recorded completely.	○Set the CPC function to "b" (p. 18).
You cannot operate the answering system at the base unit.	○The handset user is operating the answering system. Wait until the IN USE/CHARGE indicator light goes out.
You cannot operate the answering system from a touch tone phone.	○Be sure to enter the correct remote code. ○The answering system may not respond if the tones are too short to activate the unit. Press each button firmly. ○The answering system is off. Turn it on (p. 35).
You cannot operate the answering system with the handset.	○Someone is operating the answering system. ○You are too far from the base unit. Move closer to the base unit.

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General

Problem	Remedy
The unit does not work.	oCheck the settings (p. 9–11). oCharge the battery fully (p. 10). oClean the charge contacts and charge again (p. 10). oInstall the battery properly (p. 41). oPlace the handset on the base unit and unplug the AC adaptor to reset. Plug in, then try again. oRe-insert the handset battery within 5 minutes to avoid memory loss and place the handset on the base unit. Then try again.
You cannot program items such as the time/day adjustment (p. 14).	oProgramming is not available while the unit is in the talk or intercom mode. oMove closer to the base unit.
The BATT LOW indicator flashes or the unit beeps intermittently.	oCharge the battery fully (p. 10).
You charged the battery fully, but the BATT LOW indicator flashes.	oClean the charge contacts and charge again (p. 10). oInstall a new battery (p. 41).
The IN USE/CHARGE indicator light never goes out while charging.	oThis is normal.
If you cannot solve your problem.	oCall our customer call center at 1-800-211-PANA(7262).

Useful Information

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 wall 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

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.

Useful Information

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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 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 No. (REN):
The REN is useful in determining the quantity of devices you may connect to your telephone line and still have all of those devices ring when your telephone number is called. In most, but not all areas, the sum of the REN's of all devices connected to one line should not exceed five (5.0). To be certain of the number of devices you may connect to your line, as determined by the REN, you should contact your local telephone company to determine the maximum REN for your calling area.

In the event terminal equipment causes harm to the telephone network, the telephone company should notify the customer, if possible, that service may be stopped.

However, where prior notice is impractical, the company may temporarily cease service providing that they:

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

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

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

When programming emergency numbers and/or making test calls to emergency numbers:
1. Remain on the line and briefly explain to the dispatcher the reason for the call before hanging up.
2. Perform such activities in the off-peak hours, such as early morning hours or late evenings.

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

o**Environment**—do not place the unit in room 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.
o**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.
o**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 with your telephone company.

Useful Information

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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 below 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。

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