# Panasonic

900MHz Cordless Phone

Model No. KX-TC1700B
KX-TC1696B

Pulse-or-tone dialing capability

# Operating Instructions

KX-TC1700B

**PLEASE READ BEFORE USE AND SAVE.**

Caller ID Compatible

Charge the battery for about 4 hours before initial use.

# Before Initial Use

## Please read IMPORTANT SAFETY INSTRUCTIONS on pages 47–48 before use. Read and understand all instructions.

***Thank you for purchasing the Panasonic cordless telephone.***

Caller ID and Visual Call Waiting (Call Waiting ID), where available, are telephone company services. After subscribing to Caller ID, this phone will display the caller's name and phone number. An added service, Visual Call Waiting, will display the second caller's name and phone number during call waiting.

┌ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ┐
**Attach your purchase receipt here.**
└ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ┘

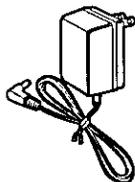### For your future reference

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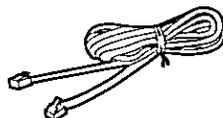(found on the bottom of the unit)

Name and address of dealer _____

**Accessories (Included)** To order, call 1-800-332-5368.

| ☐ AC Adaptor (p. 11) <br> Order No. KX-TCA1-G <br><br> one | ☐ Telephone Line Cord (p. 11) <br><br><br> one |
|---|---|

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# For Best Performance

## Battery Charge

A rechargeable Ni-Cd battery powers the handset. Charge the battery for about **4 hours** before initial use (p. 12).

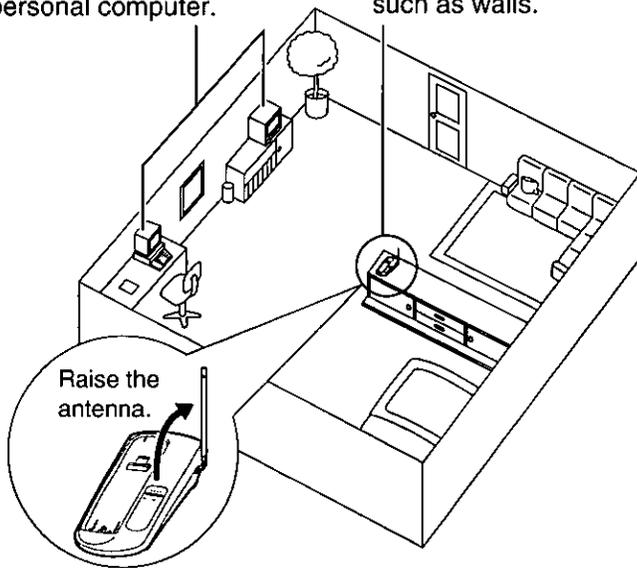The battery is beneath this cover.

## Base Unit Location

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.

Raise the antenna.

# Contents

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## Useful Information

*Preparation*

*Basic Operation*

*Advanced Operation*

*Useful Information*

# Location of Controls

## Handset (Front side)

Antenna

(AUTO) Button (p. 24)

(DIRECT) Button (p. 39)

(TALK) Button and
Indicator (p. 14, 21)

(TONE) Button (p. 41)

(LOUD) Button (p. 22)

(RINGER) Button (p. 19)

(REDIAL/PAUSE) Button
(p. 21, 41)

(FLASH) Button (p. 40)

(VOICE MAIL) Button
(p. 34)

(PROGRAM) Button
(p. 14, 24)

(CH) (Channel) Button
(p. 22)

Charge Contacts (p. 13)

## Handset (Back side)

(EDIT) Button (p. 31)

(EXIT) Button
(p. 14, 28)

SEARCH ▽, △
Buttons (p. 14, 27)

Battery Cover (p. 42)

**Panasonic**

*CALLER ID*

Display (p. 9)

(CALL WAIT) Button
(p. 41)

(CLEAR) Button
(p. 16, 25, 33)

VOICE MAIL Indicator
(p. 34)

# ➡ Location of Controls

## Base unit

Antenna (p. 3, 11)

Handset Hook (p. 20)

IN USE/CHARGE
Indicator (p. 12)

**HANDSET LOCATOR**
Button (p. 38)

CALLER ID
Indicator
(p. 23, 26, 27)

Panasonic

900MHz

Charge Contacts (p. 13)

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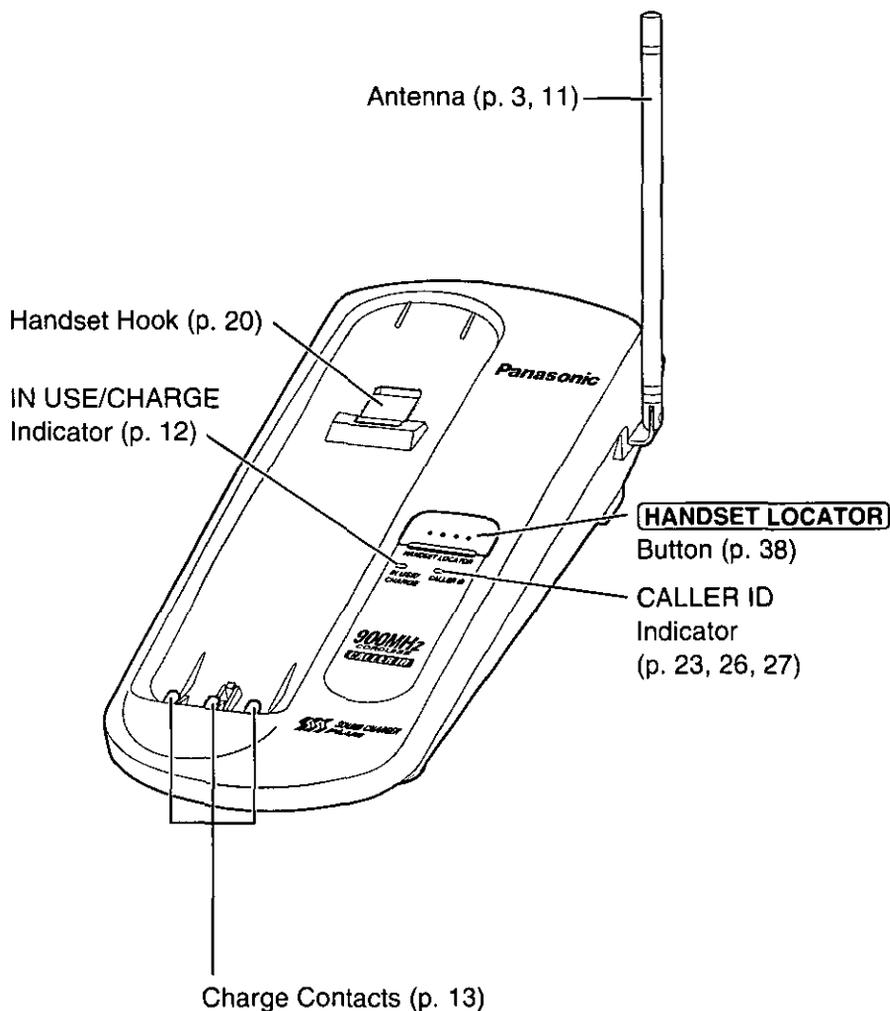
# Handset Display

The handset gives you instructions and information on the display.
These display prompts are shown below.

| No items stored |
|---|

The Caller List is empty.

| Recharge  ⸝[ ▯ ]⸍ |
|---|

The battery needs to be charged. Place the handset on the base unit to charge the battery (p. 12).

| 12 new calls<br>        {▮▮▯} |
|---|

The display shows the number of new calls and the present battery strength while the handset is on the base unit.

| . <br>12 new calls<br>v=New        ʌ=Old |
|---|

This display will be shown when:

– you lift the handset off the base unit, or

– **SEARCH** ⊡ or ⊡ is pressed when the handset is off the base unit.

To search from the most recent call, press **SEARCH** ⊡ (New key). To search from the oldest call, press **SEARCH** ⊡ (Old key) (p. 28).

| Talk<br><br>01-06-35   {▮▮▮} |
|---|

During a conversation, the display counts the length of the call (ex. 1 hour, 6 minutes and 35 seconds). The present battery strength is also displayed (p. 12).

| Out of range |
|---|

The handset has lost communication with the base unit (p. 21).

| Save error |
|---|

While programming, the handset lost communication with the base unit. Move closer to the base unit.

| TINA ROBINSON<br>1-000-222-3333 |
|---|

When a call is received, the display shows the caller's name and number after the first ring.

## ➡ Handset Display

```
JACK SMITH
111-2222
11:20A JAN12 ×3
```

This is a name from the Caller List.
The display shows:
— the caller's name,
— the caller's number,
— the time and date of the last call
  (ex. Jan. 12, 11:20 AM), and
— the number of times called (ex. 3 times).

```
        Paging
```

The base unit is paging the handset (p. 38).

```
NANCY BROWN
1-000-222-3333
----Waiting----
```

A second call is received during a conversation
(p. 41).

```
Please lift up
and try again
```

**SEARCH** 🔽 or 🔼 was pressed while the
handset was on the base unit. Lift the handset
and press **SEARCH** 🔽 or 🔼 again.

# Settings

## Connections

Fasten the cords to prevent them from being disconnected.

Hooks

Single-Line Telephone Jack (RJ11C)

Telephone Line Cord

Power Outlet (AC 120V, 60Hz)

Raise the antenna.
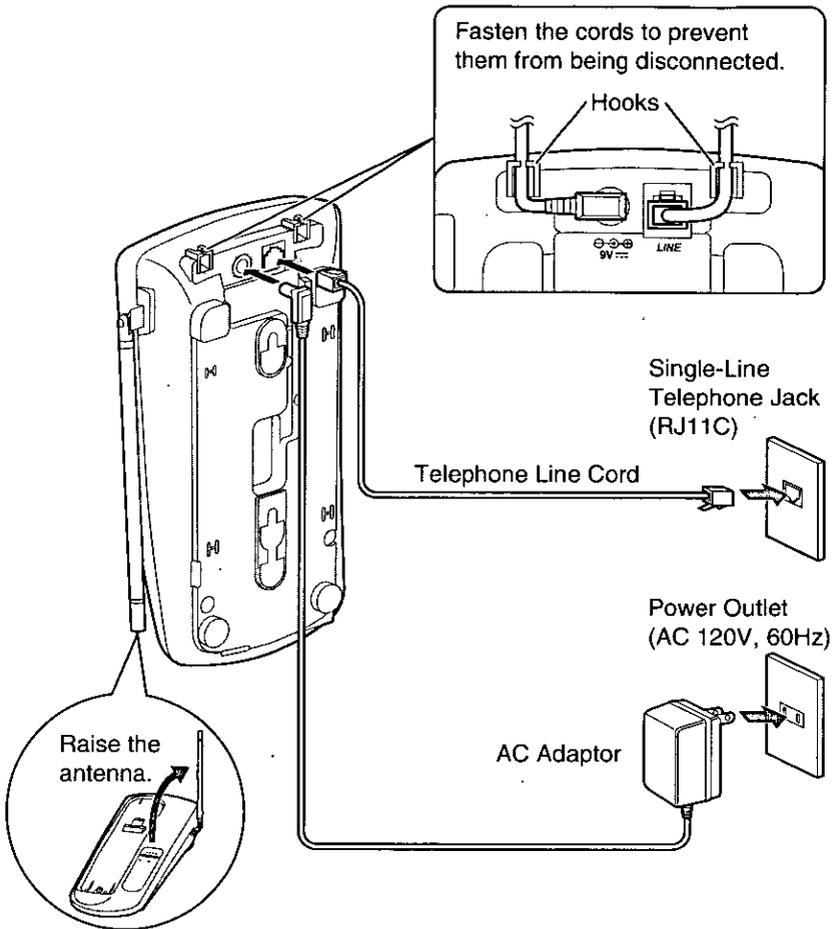
AC Adaptor

- USE ONLY WITH Panasonic AC ADAPTOR KX-TCA1 (Order No. KX-TCA1-G).
- 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 43.
- If your unit is connected to a PBX which does not support Caller ID and voice mail services, you cannot access those services.

# Battery Charge

Place the handset on the base unit and charge for about **4 hours** before initial use.

• The IN USE/CHARGE indicator lights.

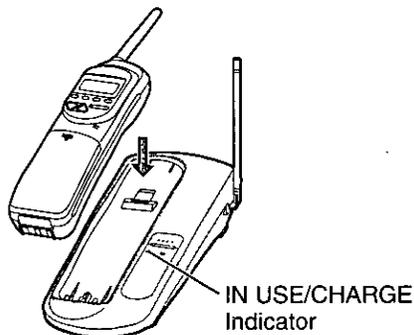IN USE/CHARGE Indicator

## Battery strength

You can check the present battery strength on the display while the handset is on the base unit, while it is in use (making/answering a call etc.), or after viewing the Caller List, programming. etc.
The battery strength will remain for 5 seconds after using the handset, then the display will return to the stand-by mode (see next page).

The battery strength is as shown in the chart below.

| Display prompt | Battery strength |
|---|---|
| [ ▮▮▮ ] | Fully charged |
| [ ▮▮ ] | Medium |
| [ ▮ ] | Low |
| [ ▮ ] (flashing) | Needs to be charged. |

## Recharge

Recharge the battery when:
— "Recharge" is displayed,
— "[ ▮ ]" flashes on the display, or
— the handset beeps every minute while it is in use.

```
Recharge
          [ ▮ ]
```
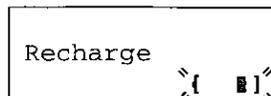
• If you DO NOT recharge the handset battery for more than 15 minutes, the display will keep indicating "Recharge" and/or "[ ▮ ]" will continue to flash.

## Battery information

After your Panasonic battery is fully charged (p. 12);

| Operation | Approx. battery life |
|-----------|---------------------|
| While in use (TALK) | Up to about 8 hours |
| While not in use (Stand-By) | Up to about 21 days |

- Battery life may be shortened depending on usage conditions, such as viewing the Caller ID Caller List, 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 "Recharge" is displayed and/or "{ ▌}" flashes. This will maximize the battery life.
- The battery cannot be overcharged.

## Stand-by mode (The handset is off the base unit.)

The handset goes into the stand-by mode after you finish using the handset (making/answering a call, viewing the Caller List, etc.).
The display is blank, but the handset can receive calls.
The battery life is conserved in this mode.

*Preparation*

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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". Your phone comes from the factory set to "Tone".
**The TALK indicator light must be off before programming.**

**1** Press (**PROGRAM**).

• The TALK indicator flashes.

```
Save AUTO# ?
v=Next      ^=Yes
```

**2** Press **SEARCH** ⊙ (Next key) repeatedly until "Set dial mode ?" is displayed.

```
Set dial mode ?
v=Next      ^=Yes
```

**3** Press **SEARCH** ⊘ (Yes key).

```
Dial mode
v=Tone  ^=Pulse
```

**4** To select "Pulse", press **SEARCH** ⊘.
OR
To select "Tone", press **SEARCH** ⊙.

• A long beep sounds and the mode is saved.
• The handset will return to the stand-by mode.

```
Dial mode
          Pulse
```

```
Dial mode
           Tone
```

• To cancel during programming, press (**EXIT**) or (**PROGRAM**), then start from step 1.
• If 3 beeps sound and the display shows "Save error", move closer to the base unit and try again. If "Save error" is still displayed, place the handset on the base unit. Restart from step 1.

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

# Selecting the Line Mode

If the line is connected to a low voltage system such as a PBX, set to "B". Otherwise, the Visual Call Waiting (Call Waiting ID) Service may not be accessible (p. 41).
Your phone comes from the factory set to "A".
**The TALK indicator light must be off before programming.**

**1** Press (PROGRAM).

• The TALK indicator flashes.

| Save AUTO# ? |
|---|
| v=Next ^=Yes |

**2** Press SEARCH ☑ (Next key) repeatedly until "Set line mode ?" is displayed.

| Set line mode ? |
|---|
| v=Next ^=Yes |

**3** Press SEARCH ☒ (Yes key).

| Line mode |
|---|
| v=A ^=B |

**4** To select "B", press SEARCH ☒.
OR
To select "A", press SEARCH ☑.

| Line mode |
|---|
| B |

• A long beep sounds and the mode is saved.
• The handset will return to the stand-by mode.

| Line mode |
|---|
| A |

• To cancel during programming, press (EXIT) or (PROGRAM), then start from step 1.
• If 3 beeps sound and the display shows "Save error", move closer to the base unit and try again. If "Save error" is still displayed, place the handset on the base unit. Restart from step 1.

---

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

---

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# Storing the Area Code

We recommend that you program your area code first before using the Caller ID feature (p. 26). Then incoming calls from the same area code will be recorded in the Caller List without the area code. You do not have to remove the area code before calling back or storing. Also, when incoming calls from a different area code are received, "1" will be added before the area code automatically.

**The TALK indicator light must be off before programming.**

**1** Press (PROGRAM).

• The TALK indicator flashes.

```
Save AUTO# ?

v=Next      ^=Yes
```

**2** Press SEARCH ☑ (Next key) repeatedly until "Area code ?" is displayed.

```
Area code ?

v=Next      ^=Yes
```

**3** Press SEARCH ☑ (Yes key).

• The current setting is displayed. The factory preset is "---".

```
Area code
            :---
Enter area code
```

**4** Enter your area code.

• If you enter a wrong number, press (CLEAR), then enter the correct number.

```
Area code
            :123
   PROGRAM=Save
```

**5** Press (PROGRAM) (Save key).

• A long beep sounds and the code is saved.
• The handset will return to the stand-by mode.

```
Area code
            :123
```

• To cancel during programming, press (EXIT), then start from step 1.

## To erase the area code

Press (PROGRAM) ➡ SEARCH ☑ (Next key) 3 times ➡

➡ SEARCH ☑ (Yes key) ➡ (CLEAR) ➡ (PROGRAM) (Save key).

• If a "2nd area code" has been stored (p. 17), it will also be cleared automatically.

# Storing the Second Area Code

You can also program another local area code. This area code does not require dialing "1" before it. After storing this area code, the display will show the 10 digits (3-digit area code plus 7-digit phone number) after a call is received from that area code. Calls will be recorded in the Caller List without "1".

You cannot store a second area code unless your area code is stored first (p. 16).

**The TALK indicator light must be off before programming.**

**1** Press (PROGRAM).

• The TALK indicator flashes.

```
Save AUTO# ?

v=Next      ^=Yes
```

**2** Press **SEARCH** ☑ (Next key) repeatedly until "2nd area code ?" is displayed.

```
2nd area code ?

v=Next      ^=Yes
```

**3** Press **SEARCH** ☒ (Yes key).

• The current setting is displayed. The factory preset is "---".

• If 3 beeps sound, your area code is not stored. Store the code first (p. 16), then start from step 1.

```
2nd area code
          :---
Enter area code
```

**4** Enter a second area code.

• If you enter a wrong number, press (CLEAR), then enter the correct number.

```
2nd area code
          :124
PROGRAM=Save
```

**5** Press (PROGRAM) (Save key).

• A long beep sounds and the code is saved.

• The handset will return to the stand-by mode.

```
2nd area code
          :124
```

• To cancel during programming, press (EXIT), then start from step 1.

## To erase the second area code

Press (PROGRAM) ⇨ SEARCH ☑ (Next key) 4 times ⇨
⇨ SEARCH ☒ (Yes key) ⇨ (CLEAR) ⇨ (PROGRAM) (Save key).

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# Setting the Auto Talk Feature

The Auto Talk feature allows you to answer a call by lifting the handset off the base unit without pressing (TALK). If you want to view caller's information on the display after lifting the handset, turn this feature OFF by programming. Your phone comes from the factory set to ON.

**The TALK indicator light must be off before programming.**

1 Press (PROGRAM).

   • The TALK indicator flashes.

```
Save AUTO# ?

∨=Next      ∧=Yes
```

2 Press SEARCH ⊽ (Next key) repeatedly until "Talk switching?" is displayed.

```
Talk switching?

∨=Next      ∧=Yes
```

3 Press SEARCH ⊼ (Yes key).

```
Auto talk

∨=On       ∧=Off
```

4 To select OFF, press SEARCH ⊼.
  OR
  To select ON, press SEARCH ⊽.

```
Auto talk

           Off
```

   • A long beep sounds and the mode is saved.
   • The handset will return to the stand-by mode.

```
Auto talk

            On
```

• To cancel during programming, press (EXIT) or (PROGRAM), then start from step 1.
• To answer a call when the Auto Talk feature is OFF, lift the handset off the base unit, then press (TALK).
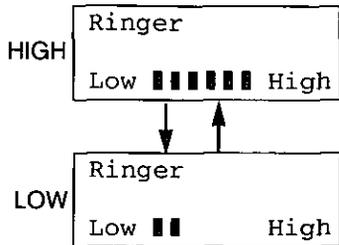
# Selecting the Ringer Volume

You can program the ringer volume. Set to HIGH or LOW. When set to OFF, the unit will not ring. Your phone comes from the factory set to HIGH. The TALK indicator light must be off.

## To select HIGH (preset) or LOW

Press (RINGER).
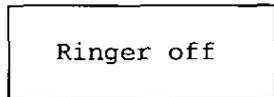
• Each time you press the button, the selected volume will ring and the ringer volume will change.

HIGH

```
┌─────────────────────┐
│ Ringer              │
│ Low ■■■■■■ High      │
└─────────────────────┘
```

LOW

```
┌─────────────────────┐
│ Ringer              │
│ Low ■■        High   │
└─────────────────────┘
```

## To turn the ringer OFF

Press and hold (RINGER) until 2 beeps sound.

• "Ringer off" will flash for about 45 seconds before the handset returns to the stand-by mode.

```
┌─────────────────────┐
│                     │
│    Ringer off       │
│                     │
└─────────────────────┘
```

## To turn the ringer ON

Press (RINGER).
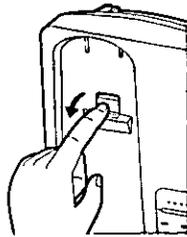
• The ringer will sound at the HIGH level.

(RINGER)

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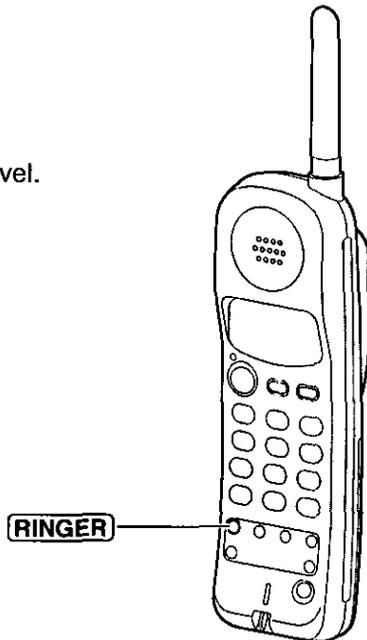
# Wall Mounting

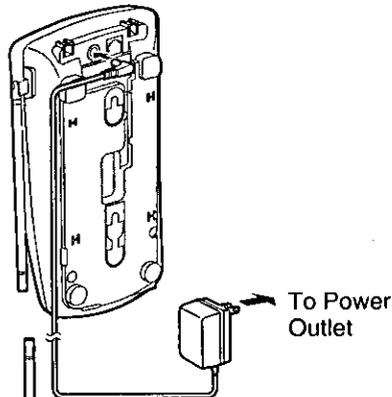This unit can be mounted on a wall phone plate.

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

**2** Connect the AC adaptor.

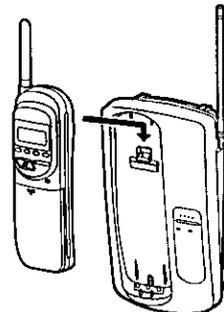To Power Outlet

**3** Connect the telephone line cord. Mount the unit, then slide down.

• Raise the antenna.

Wall Phone Plate
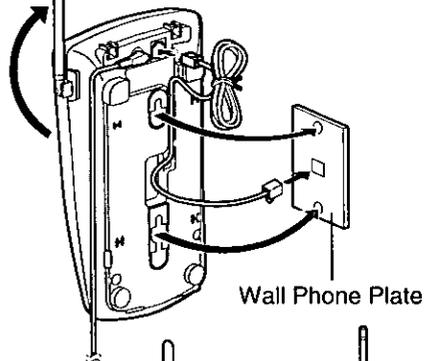
**4** **To charge the battery:** Place the handset on the handset hook as shown.

• The IN USE/CHARGE indicator lights.

# Making Calls

➡

**TALK**
and indicator

**REDIAL/PAUSE**

**LOUD**

**CH**
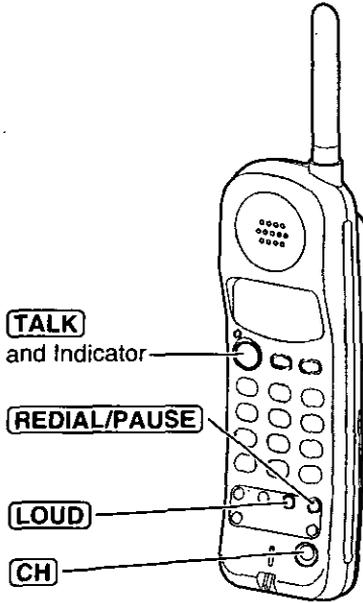
1 Press TALK.

- The TALK indicator lights.
- The selected channel number is displayed.

```
Talk

         CH10
```
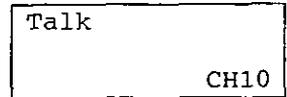
2 Dial a phone number.

- The dialed number is displayed.
- After a few seconds, the display will show the length of the call and the present battery strength.

```
Talk
1112222
         CH10
```

```
Talk

00-00-00  [███]
```
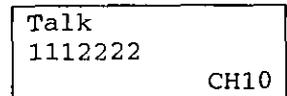
3 To hang up, press TALK or place the handset on the base unit.

- The indicator light goes out.
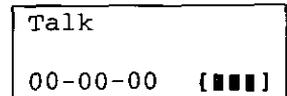
- If "Out of range" is displayed and an alarm tone sounds in step 1, move closer to the base unit or place the handset on the base unit. Then try again.

## To redial the last number dialed

Press TALK ➡ REDIAL/PAUSE.

*Basic Operation*

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## To select the receiver volume

Press (LOUD) while talking.

• Each time you press the button, the volume level will change from MEDIUM (preset) to HIGH to LOW.

• The display will return to the length of the call.

MEDIUM

```
┌─────────────────────────┐
│ Loud                    │
│                         │
│ Low ▮▮▮▮        High    │
└─────────────────────────┘
```

HIGH

```
┌─────────────────────────┐
│ Loud                    │
│                         │
│ Low ▮▮▮▮▮▮ High          │
└─────────────────────────┘
```

LOW

```
┌─────────────────────────┐
│ Loud                    │
│                         │
│ Low ▮▮          High    │
└─────────────────────────┘
```
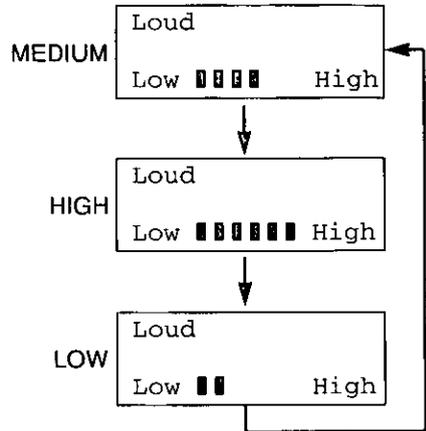
## If noise interferes with the conversation

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

• The selected channel number is displayed.

```
┌─────────────────────────┐
│ Talk                    │
│                         │
│ 00-01-30      CH12      │
└─────────────────────────┘
```
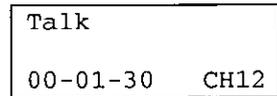
## Backlit LCD display

The lighted display will stay on for about 10 seconds after pressing a handset button or lifting the handset off the base unit.

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# Answering Calls

When a call is received, the unit rings and the CALLER ID indicator on the base unit flashes quickly. If you subscribe to a Caller ID service, the calling party information will be displayed after the first ring (p. 26). Please wait until the second ring to answer a call in order to view the CALLER ID information.

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**).
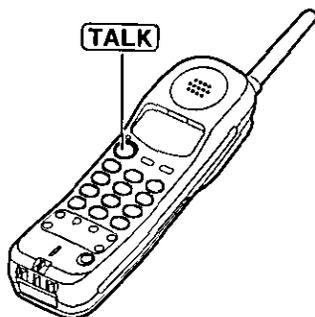
(TALK)

## OR

If on the base unit, just lift up. (This is not available when the Auto Talk feature is set to OFF. See page 18.)

CALLER ID Indicator

*Basic Operation*

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# Speed Dialer

## Storing Phone Numbers in Memory

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

**The TALK indicator light must be off before programming.**
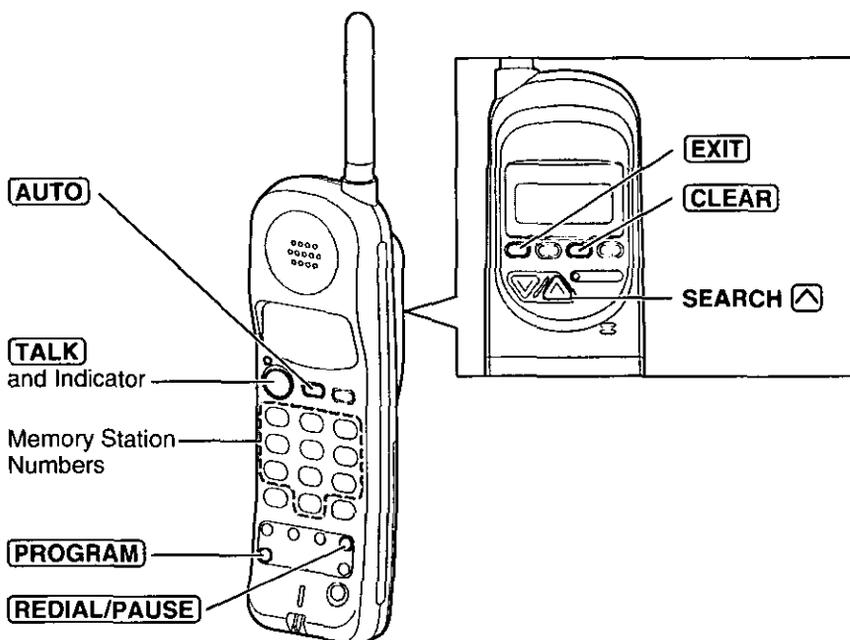
AUTO

TALK
and Indicator

Memory Station
Numbers

PROGRAM

REDIAL/PAUSE

EXIT

CLEAR

SEARCH ⌒

**1** Press [PROGRAM].

• The TALK indicator flashes.

```
Save AUTO# ?

v=Next    ∧=Yes
```

**2** Press SEARCH ⌒ (Yes key).

```
Enter phone no.

```

**3** Enter a phone number up to 22 digits.

• If you misdial, press [CLEAR]. Digits are erased from the right.

```
3334444

      AUTO=Save
```

**4** Press [AUTO].

```
Select 0-9
to save in AUTO
```

24

**5** Press a memory station number ([0] to [9]).

- A long beep sounds and the number is saved.
- The handset will return to the stand-by mode.
- To store other numbers, repeat steps 1 through 5.

```
3334444

Save in AUTO 1
```

- To cancel during programming, press [PROGRAM] or [EXIT], then start from step 1.
- If a pause is required for dialing, press [REDIAL/PAUSE] where needed. Pressing [REDIAL/PAUSE] counts as one digit (p. 41).

## To erase a stored number

**1** Press [PROGRAM].

- The TALK indicator flashes.

```
Save AUTO# ?

v=Next    ^=Yes
```

**2** Press SEARCH [∧] (Yes key).

```
Enter phone no.


```

**3** Press [CLEAR].

```



AUTO=Clear
```

**4** Press [AUTO].

```
Select 0-9 to
clear in AUTO

```

**5** Press the memory station number ([0] to [9]) for the phone number to be erased.

```


Clear in AUTO 1
```

# Dialing a Stored Number

**1** Press [TALK].

**2** Press [AUTO].

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

- The stored number is dialed.

Basic Operation
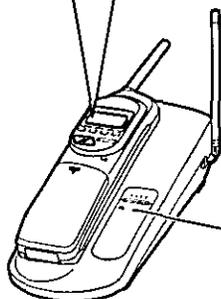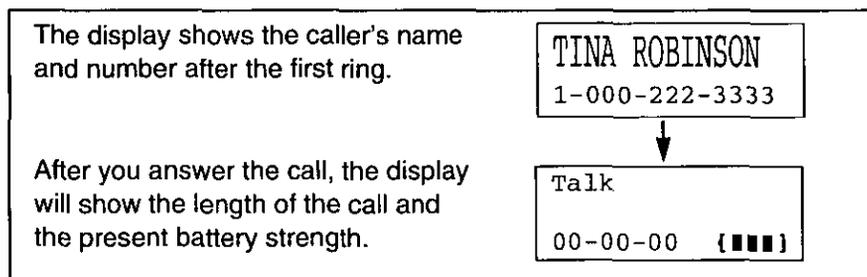
# Caller ID Service

This unit is compatible with a Caller ID service offered by your telephone company. After you subscribe to a Caller ID service, the calling party information will be displayed after the first ring.

The unit can record information of up to 50 different callers, including the time and date received and the number of times called, in the Caller List. The Caller List information is sorted by the most recent to oldest call. When the 51st call is received, the first call is deleted.

Using the list, you can automatically call back a caller. You can store the callers' numbers from the Caller List into the Speed Dialer memory.

If you subscribe to a Visual Call Waiting (Call Waiting ID) service, when a second call is received, the new caller's name and phone number will be displayed (p. 41).

## How caller information is displayed when a call is received

The display shows the caller's name and number after the first ring.

```
TINA ROBINSON
1-000-222-3333
```

After you answer the call, the display will show the length of the call and the present battery strength.

```
Talk
00-00-00  [█████]
```

The CALLER ID indicator light will flash quickly when a call is being received.

- Caller information cannot be displayed in the following cases:
  — If the caller dialed from an area which does not provide a Caller ID service, the display will show "Out of area".
  — If the caller has requested not to display their information, the display will show "Private caller".

- If your unit is connected to a PBX which does not support Caller ID services, you cannot access those services.
- In some calling areas, the name display service may not be available. For further information, please contact your telephone company.

## To check the number of new calls

When new calls have been received, the CALLER ID indicator flashes slowly on the base unit.

**While the handset is on the base unit:**

If you have received 10 new calls, the display will show the following.

CALLER ID Indicator

```
10 new calls
       [■■■]
```
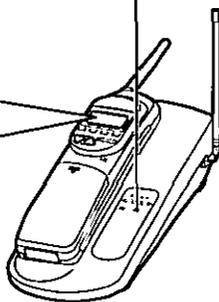
When you lift the handset, the display changes to the following.

```
10 new calls
v=New      ^=Old
```

- After 10 seconds, the display changes to the stand-by mode (p. 13).
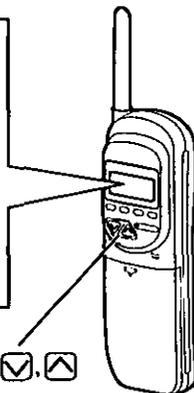
**While the handset is off the base unit:**

Press SEARCH ▽ or △ to turn the display on. If you have received 10 new calls, the display will show the following.

```
10 new calls
v=New      ^=Old
```

SEARCH ▽,△

# Using the Caller List

## Viewing the Caller List

To confirm who has called you, follow the steps below.
**The TALK indicator light must be off.**

**1** Lift the handset off the base unit.
OR
When the handset is off the base unit, press **SEARCH** ☑ or ☒ to enter the list.

• The display will show the following.

```
2 new calls
v=New      ^=Old
```

**2** To search from the most recent to oldest call, press **SEARCH** ☑ (New key).
To search from the oldest to most recent call, press **SEARCH** ☒ (Old key).

• To scroll between callers, press **SEARCH** ☑ or ☒.

**3** To exit the list, press (**EXIT**).

• The handset will return to the stand-by mode.

(**EXIT**)

**SEARCH**
☑, ☒
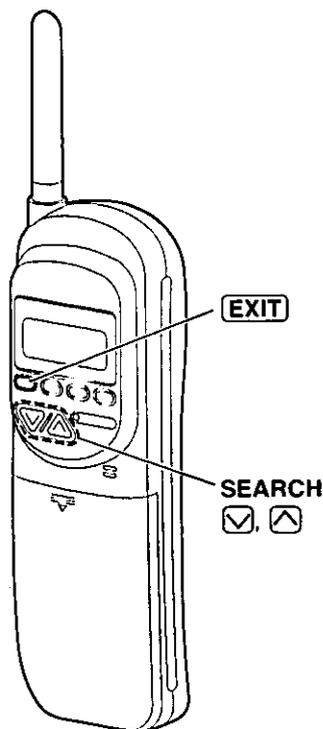
• Once NEW calls have been checked, "√" will be added.
• If "No items stored" is displayed in step 1, the Caller List is empty. Press (**EXIT**) to exit the list.
• If more than one call is received from the same caller, the date and time of the last call will be recorded.
Also, when the same caller calls again, the call entry with "√" will be deleted.

## Ex. When you search from the most recent call:

Lift the handset off the base unit.
OR
When the handset is off the base unit, press **SEARCH** ⊽ or ⋀.

```
2 new calls
v=New      ^=Old
```
Press **SEARCH** ⊽.

```
JACK SMITH
111-2222
3:10P JUN10
```
Press **SEARCH** ⊽.

```
KEVIN PARKER
333-4444
11:50A JUN10 √
```
Press **SEARCH** ⊽.

```
NANCY BROWN
222-3333
1:54P JUN 9 ×2
```
Press **SEARCH** ⊽.

```
CINDY TURNER
1-234-456-7890
10:38A JUN 9 √
```
Press **SEARCH** ⊽.
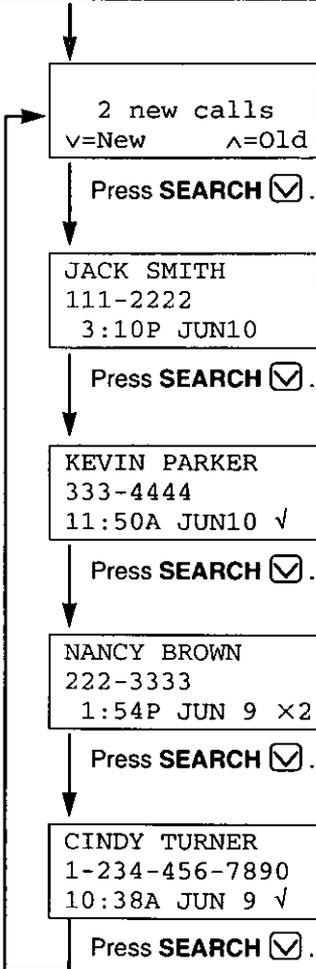
**To return to the previous caller,** press **SEARCH** ⋀.

**To exit the Caller List,** press (**EXIT**).
• The handset will return to the stand-by mode.

• If the caller does not have name information, the display will only show the phone number.

**Display signification:**
√　: You have checked this caller information, answered the call or called back the caller.
×2-×9 : The number of times they called (up to 9).
After checking, "×2" – "×9" will be replaced with "√".

Advanced Operation

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# Calling Back from the Caller List
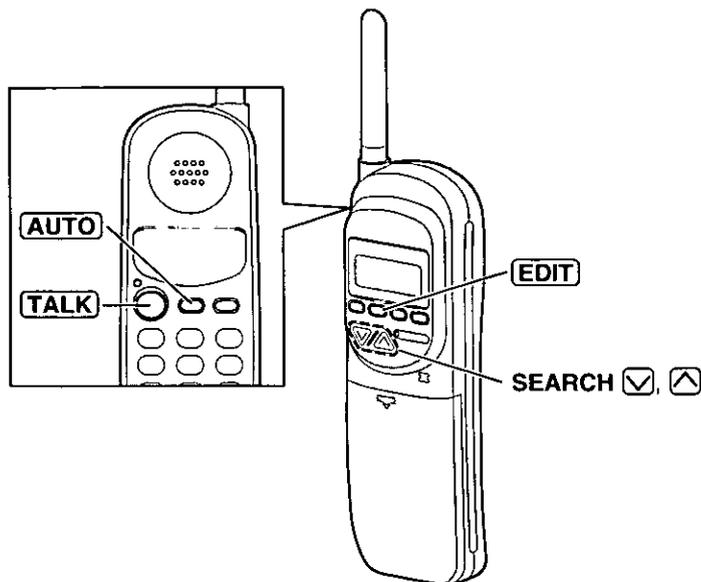
**1** Lift the handset off the base unit.
OR
When the handset is off the base unit,
press **SEARCH** ☑ or ☒ to enter the list.

```
     3 new calls
v=New      ^=Old
```

**2** Press **SEARCH** ☑ or ☒ repeatedly to find
the desired caller.

```
CINDY   TURNER
1-234-456-7890
11:20A JAN12 ×3
```

**3** Press (TALK).

• The displayed phone number is dialed
automatically.

```
Talk
12344567890
            CH11
```

```
Talk

00-00-00   [▮▮▮]
```

• In some cases you may have to edit the number before dialing (p. 31).
(Ex. You may have to add "1" for long distance calls.)
If you did not store your area code (p. 16), the edited number will not be
saved in the Caller List.

• If a phone number is not displayed in the caller information, you cannot
call back that caller.

# Editing the Caller's Phone Number

The unit can edit a phone number into one of 4 patterns.
**The TALK indicator light must be off.**

1 Lift the handset off the base unit.
OR
When the handset is off the base unit, press SEARCH ▽ or △ to enter the list.

```
5 new calls
v=New      ∧=Old
```

2 Press SEARCH ▽ or △ repeatedly to find the desired caller.

```
FRED PARKER
321-5555
11:20A JAN12 ×3
```

3 Press [EDIT] to select a pattern.
Each time you press [EDIT], the number is rearranged into one of 4 different patterns.

ⓐ 1 – [Phone no.]
ⓑ 1 – [Area code] – [Phone no.]
ⓒ [Area code] – [Phone no.]
ⓓ [Phone no.]

• The order in which patterns ⓐ – ⓓ are displayed depends on which pattern the telephone number is displayed in step 2.

ⓐ
```
FRED PARKER
1-321-5555
11:20A JAN12 ×3
```

ⓑ
```
FRED PARKER
1-234-321-5555
11:20A JAN12 ×3
```

ⓒ
```
FRED PARKER
234-321-5555
11:20A JAN12 ×3
```

ⓓ
```
FRED PARKER
321-5555
11:20A JAN12 ×3
```
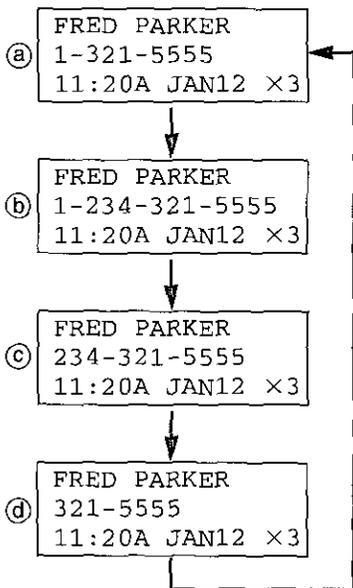
4 After you edit the number into the desired pattern, you can continue with calling back or storing procedures.
To call back, press [TALK] (p. 30).
To store the number in the Speed Dialer memory, press [AUTO]. Then press a memory station number ([0] to [9]) (p. 32).

*31*

# Storing the Caller List Information in Speed Dialer Memory

You can store numbers that are in the Caller List into the Speed Dialer memory.
**The TALK indicator light must be off.**

**1** Lift the handset off the base unit.
OR
When the handset is off the base unit, press
SEARCH ⊽ or ⌃ to enter the list.

```
10 new calls
v=New      ^=Old
```

**2** Press **SEARCH** ⊽ or ⌃ repeatedly to find the caller you want to store in memory.

• If the number requires editing, see page 31.

```
CINDY TURNER
1-234-456-7890
11:20A JAN12 ×3
```

**3** Press (**AUTO**).

```
Save in AUTO
Select 0-9
```

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

• A long beep sounds and the programming is completed.
• The display will return to step 2. You can continue storing another item. To return to the stand-by mode, press (**EXIT**) or wait for 60 seconds.

```
12344567890

Save in AUTO 0
```

• To cancel during programming, press (**EXIT**), then start from step 1.
• You cannot store caller information in the Speed Dialer memory when a phone number is not displayed.

*32*

# Erasing the Caller List Information

After checking the Caller List, you can erase some or all of the entries.

## To erase a specific caller from the Caller List

1 Lift the handset off the base unit.
OR
When the handset is off the base unit, press
SEARCH ⊽ or ⌃ to enter the list.

```
10 new calls
∨=New      ∧=Old
```

2 Press SEARCH ⊽ or ⌃ repeatedly to find
the caller you want to erase from the Caller
List.

```
TOM REAGAN
444-5555
12:20A JAN12 √
```

3 Press (CLEAR).

• A long beep sounds and the information is
erased.
• In a few seconds, the display will show the
previous caller information.
• To return to the stand-by mode, press
(EXIT) or wait for 60 seconds.

```
     Clear
```

## To erase all of the entries in the Caller List

1 Lift the handset off the base unit.
OR
When the handset is off the base unit, press
SEARCH ⊽ or ⌃ to enter the list.

Be sure this display is
shown.

```
0 new call
∨=New      ∧=Old
```

2 Press (CLEAR).

```
Press CLEAR for
all clear
```

3 Press (CLEAR) again.

• A long beep sounds and all of the entries
are erased.
• The handset will return to the stand-by
mode.

```
   All clear
```

# Voice Mail Service

Voice mail service is an electronic on-line answering system offered by your telephone company. After you subscribe, the voice mail system can answer calls automatically when your line is busy or if calls are not answered. Callers can leave messages by following the pre-recorded instructions. When voice mail messages are recorded, the VOICE MAIL indicator will flash. You can access the voice mail system quickly by pressing (VOICE MAIL).

To use the (VOICE MAIL) button, you must store your access phone number.

TALK Indicator

(PROGRAM)

(VOICE MAIL)

(EXIT)

(CLEAR)

VOICE MAIL
Indicator
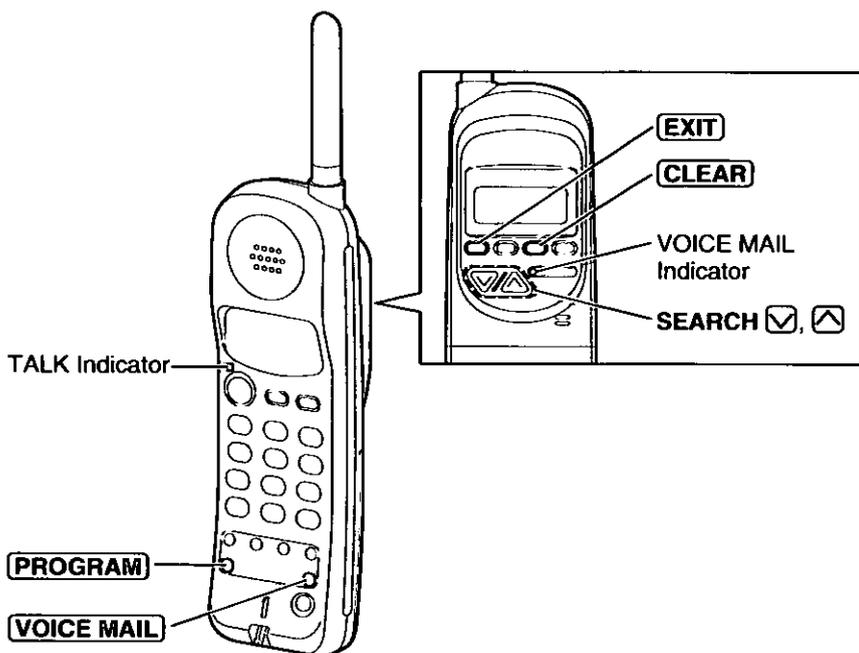
SEARCH ☑, ☑

# Storing an Access Number in Your Voice Mail

**The TALK indicator light must be off before programming.**

**1** Press (PROGRAM).
- The TALK indicator flashes.

```
Save AUTO# ?

v=Next      ^=Yes
```

**2** Press SEARCH ⊙ (Next key) repeatedly until "Save mailbox# ?" is displayed.

```
Save mailbox# ?

v=Next      ^=Yes
```

**3** Press SEARCH △ (Yes key).

```
Enter mailbox#


```

**4** Enter your access phone number up to 32 digits.
- If you enter a wrong number, press (CLEAR). Digits are corrected from the right.

```
1234567890

VOICEMAIL=Save
```

**5** Press (VOICE MAIL) (Save key).
- A long beep sounds and the number is saved.
- The handset will return to the stand-by mode.

```
1234567890

Save mailbox#
```

- To cancel during programming, press (EXIT) or (PROGRAM), then start from step 1.

## To erase a stored number

Press (PROGRAM) ➡ SEARCH ⊙ (Next key) twice ➡
➡ SEARCH △ (Yes key) ➡ (CLEAR) ➡ (VOICE MAIL) (Clear key).

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# Setting the Voice Mail Tone

If your voice mail service sends a voice mail tone after a new message has finished recording, set to "On". The VOICE MAIL indicator will flash if a message was recorded in your mailbox. You will hear a series of voice mail tones then a dial tone after pressing (TALK).
(Contact your service provider about your service.)
Set to "Off" when:
— you do not subscribe to a voice mail service,
— your voice mail service does not send a voice mail tone, or
— the unit is connected to a PBX.
Your phone comes from the factory set to "On".
**The TALK indicator light must be off before programming.**

**1** Press (PROGRAM).

 • The TALK indicator flashes.

| Save AUTO# ? |
|---|
| v=Next      ^=Yes |

**2** Press SEARCH � (Next key) repeatedly until "Voicemail tone?" is displayed.

| Voicemail tone? |
|---|
| v=Next      ^=Yes |

**3** Press SEARCH ⊠(Yes key).

| Voicemail tone |
|---|
| v=On      ^=Off |

**4** To select "Off", press SEARCH ⊠.
OR
To select "On", press SEARCH ⊡.

| Voicemail tone |
|---|
| Off |

 • A long beep sounds and the setting is saved.
 • The handset will return to the stand-by mode.

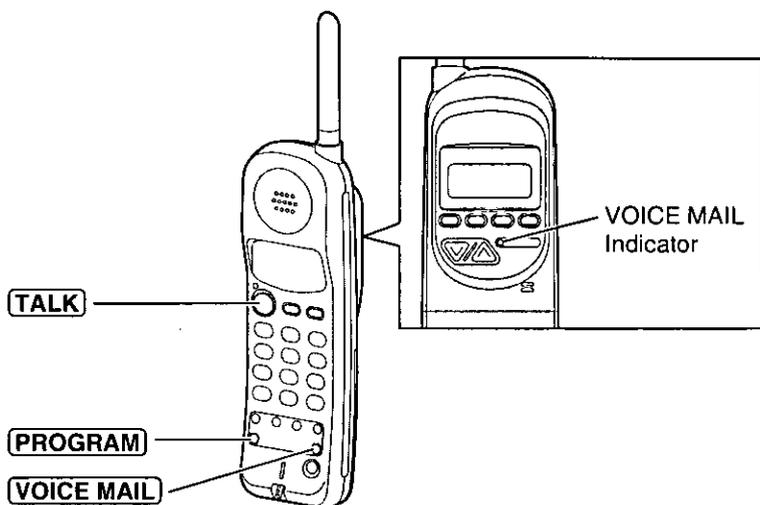| Voicemail tone |
|---|
| On |

 • To cancel during programming, press (EXIT) or (PROGRAM), then start from step 1.
 • If 3 beeps sound and the display shows "Save error", move closer to the base unit and try again. If "Save error" is still displayed, place the handset on the base unit. Restart from step 1.

---

If a power failure occurs, the setting will return to the factory preset (On). Reprogram if necessary.
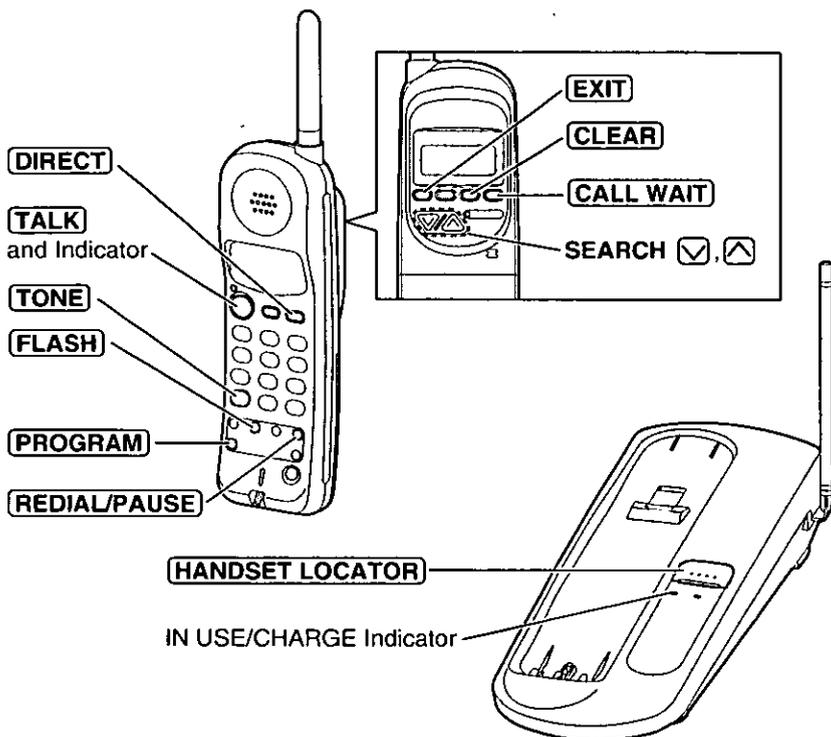
# Listening to Voice Mail Message(s)

After receiving a voice mail message, the VOICE MAIL indicator will flash. To listen to your voice mail, perform the following steps.



VOICE MAIL Indicator

(TALK)

(PROGRAM)
(VOICE MAIL)

1 Press (VOICE MAIL).

 • The unit is connected to the telephone line and automatically dials the number.

2 Follow the pre-recorded instructions.

3 When finished, press (TALK).

 • When the VOICE MAIL indicator still flashes even if you have listened to your voice mail message(s), press and release (PROGRAM), then press and hold (VOICE MAIL) until the unit beeps. The indicator will turn off.
 • If your voice mail service uses a voice mail tone and the recorded message is over 3 minutes long, the VOICE MAIL indicator may not flash.
 • If your voice mail service uses a voice mail tone, the tone will be heard from any parallel connected phone. If you use another phone to retrieve messages, you have to dial your access number manually.

# Special Features



DIRECT
TALK and Indicator
TONE
FLASH
PROGRAM
REDIAL/PAUSE
HANDSET LOCATOR
IN USE/CHARGE Indicator

EXIT
CLEAR
CALL WAIT
SEARCH ⊽,⊼

## Automatic Security Code Setting

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

## Handset Locator

From the base unit, you can locate the handset or page the handset user with beep tones.

1. Press (HANDSET LOCATOR).

  • The IN USE/CHARGE indicator flashes. The handset beeps for 1 minute and "Paging" is displayed.

2. To stop paging, press (HANDSET LOCATOR) again or press (TALK) twice on the handset.

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# One-Touch Dialer

You can store a phone number in the [DIRECT] button. The stored number is dialed with a one-touch operation.
**The TALK indicator light must be off before programming.**

## To store a phone number in memory

**1** Press [PROGRAM].

• The TALK indicator flashes.

```
Save AUTO# ?
v=Next      ^=Yes
```

**2** Press **SEARCH** [⌄] (Next key).
Be sure that "Save DIRECT# ?" is displayed.

```
Save DIRECT# ?
v=Next      ^=Yes
```

**3** Press **SEARCH** [⌃] (Yes key).

```
Enter phone no.
```

**4** Enter a phone number up to 22 digits.

• If you misdial, press [CLEAR]. Digits are corrected from the right.

```
4445555
          DIRECT=Save
```

**5** Press [DIRECT] (Save key).

• A long beep sounds and the number is saved.
• The display will return to the stand-by mode.

```
4445555
Save in DIRECT
```

• To cancel during programming, press [EXIT] or [PROGRAM], then start from step 1.
• If a pause is required for dialing, press [REDIAL/PAUSE] where needed. Pressing [REDIAL/PAUSE] counts as one digit (p. 41).

## To dial a stored number

1. Press [TALK].
2. Press [DIRECT].

• The stored number is dialed.

• **To erase a stored number**
Press [PROGRAM] ⇨ **SEARCH** [⌄] (Next key) ⇨ **SEARCH** [⌃] (Yes key) ⇨
⇨ [CLEAR] ⇨ [DIRECT] (Clear key).

*Advanced Operation*

**39**

# FLASH Button

Pressing (FLASH) allows you to use special features of your host PBX such as transferring an extension call.

•You can also press (CALL WAIT) instead of (FLASH).

## Selecting the flash time (call waiting time)

The flash time depends on your telephone exchange or host PBX.
You can select from flash times "700, 600, 400, 300, 250, 110, 100 or 90 ms (milliseconds)" by programming. Your phone comes from the factory set to "700 ms".

**The TALK indicator light must be off before programming.**

**1** Press (PROGRAM).

• The TALK indicator flashes.

```
SAVE AUTO#  ?

v=Next      ^=Yes
```

**2** Press SEARCH ☑ (Next key) repeatedly until "Set flash time?" is displayed.

```
Set flash time?

v=Next      ^=Yes
```

**3** Press SEARCH ☒ (Yes key).

```
Flash time
           :700ms
v=Next    ^=Save
```

**4** Press SEARCH ☑ (Next key) repeatedly until the desired time is displayed.

```
Flash time
           :110ms
v=Next    ^=Save
```

**5** Press SEARCH ☒ (Save key).

• A long beep sounds and the time is saved.
• The display will return to the stand-by mode.

```
Flash time
           :110ms
```

• To cancel during programming, press (EXIT) or (PROGRAM), then start from step 1.

• If you are connected via a PBX, a longer flash time may be necessary to use PBX functions (transferring a call, etc.). Consult with your PBX supplier for the correct setting.

• If 3 beeps sound and the display shows "Save error", move closer to the base unit and try again. If "Save error" is still displayed, place the handset on the base unit. Restart from step 1.

If a power failure occurs, the setting will return to the factory preset (700 ms). Reprogram if necessary.

# For Call Waiting Service Users

Press (CALL WAIT) 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 (CALL WAIT) again.
- You can also press (FLASH) instead of (CALL WAIT).
- The call waiting service is not available when the parallel connected telephone is in use.
- If this function does not operate properly, the flash time (call waiting time) may not be set correctly. Consult with your telephone company for details. See page 40 on how to adjust the time.

## Visual Call Waiting (Call Waiting ID) Service

Visual Call Waiting (Call Waiting ID) Service allows your handset to display the second caller's information. After you hear a call-waiting tone while talking, the handset will display the caller's name with the phone number and "----Waiting----".

```
NANCY BROWN
1-000-222-3333
----Waiting----
```

- Please contact your telephone company for details and availability in your area.

# 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.
- Access numbers entered after pressing (TONE) will not be included when redialing.

# How to Use the PAUSE Button
## (For Analog PBX Line/Long Distance Service Users)

We recommend you press (REDIAL/PAUSE) if a pause is required for dialing with a PBX or to access a long distance service.
Ex. Line access number [9] (PBX)

[9] ➡ (REDIAL/PAUSE) ➡ [Phone number]

- Pressing (REDIAL/PAUSE) once creates a 3.5 second pause.
  This prevents misdialing when you redial or dial a stored number.
- Pressing (REDIAL/PAUSE) more than once increases the length of the pause between numbers.

*Advanced Operation*

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# Battery Replacement

If "Recharge" is displayed and/or "{ ▮ ]" flashes after being fully charged, replace the battery with a new Panasonic P-P501 (KX-A36) battery. To order, call the accessories telephone number on page 2. To prevent memory loss, replace within 3 minutes.
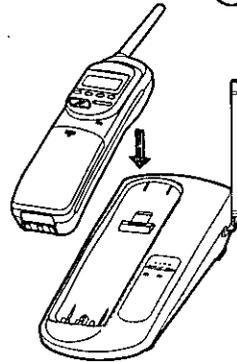
1  Remove the cover by sliding it while pressing the arrow.

2  Replace the battery, then close the cover.

3  Be sure to charge the new battery for about 4 hours in order to display the battery strength prompt correctly (p. 12).
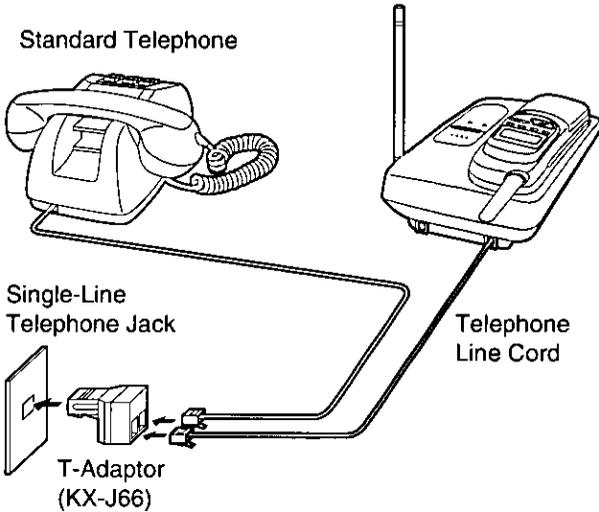
**Attention:**

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.

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# 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 the accessories telephone number on page 2.

Standard Telephone

Single-Line
Telephone Jack

Telephone
Line Cord

T-Adaptor
(KX-J66)

Useful Information

# Before Requesting Help

| Problem | Remedy |
|---|---|
| "Out of range" is displayed and an alarm tone sounds when you press (TALK). | • You are too far from the base unit. Move closer and try again.<br>• Place the handset on the base unit and try again.<br>• Plug in the AC adaptor.<br>• Raise the base unit antenna. |
| The unit does not work. | • Check the settings (p. 11–20).<br>• Charge the battery fully (p. 12).<br>• Clean the charge contacts and charge again (p. 13).<br>• Install the battery properly (p. 42).<br>• Place the handset on the base unit and unplug the AC adaptor to reset. Plug in, then try again.<br>• Re-install the handset battery within 3 minutes to avoid memory loss and place the handset on the base unit. Then try again. |
| 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).<br>• Move closer to the base unit.<br>• Raise the base unit antenna.<br>• Press (CH) to select a clearer channel. |
| The handset does not ring. | • The ringer volume is set to OFF. Press (RINGER) while the TALK indicator light is off (p. 19). |
| The handset display is blank. | • The handset is in the stand-by mode (p. 13). Press SEARCH ▽ or △ to turn the display on. |

| Problem | Remedy |
|---|---|
| The handset display is still blank after pressing **SEARCH** ⊙ or ⊗. | • Charge the battery fully (p. 12). |
| You cannot program items, such as the dialing mode. | • Programming is not available while the unit is in the talk mode or when viewing caller information.<br>• Do not pause for over 60 seconds while programming.<br>• **SEARCH** ⊙ or ⊗ may have been pressed when you picked up the handset. Press (**EXIT**), then try again. |
| You cannot store a phone number in memory. | • You cannot store a number while the unit is in the talk mode.<br>• Do not pause for over 60 seconds while storing. |
| While programming or searching, the unit starts to ring and stops the program/search. | • To answer the call, press (**TALK**). Start from the beginning after hanging up. |
| The unit does not display the caller's name and/or phone number. | • Other telephone equipment may be interfering with your phone. Disconnect them and try again.<br>• Other electrical appliances connected to the same outlet may be interfering with the Caller ID information.<br>• Telephone line noise may be affecting the Caller ID information. |
| The display goes to the stand-by mode while viewing the Caller List. | • Do not pause for over 60 seconds while searching. |
| When a second call is received during a conversation, the unit does not display the new caller's name and/or phone number. | • The line mode selection is incorrect. See page 15. |

| Problem | Remedy |
|---|---|
| (HANDSET LOCATOR) does not function. | • The handset is too far from the base unit.<br>• The handset is engaged in an outside call or in the search mode. Wait until the IN USE/CHARGE indicator light goes out. |
| (REDIAL/PAUSE) does not function properly. | • The button has a double function as either redial or pause. It will redial the last number dialed if pressed at the outset of a call (p. 21). If another number has been dialed first, it will operate as a pause button (p. 41). |
| You cannot redial by pressing (REDIAL/PAUSE). | • If the last number dialed was more than 32 digits long, the number will not be redialed.<br>• Access numbers entered after pressing (TONE) will not be included when redialing. |
| "Recharge" is displayed, "{  □}" flashes or the unit beeps every minute. | • Charge the battery fully (p. 12). |
| You charged the battery fully, but "Recharge" is still displayed and/or "{  □}" continues to flash. | • Clean the charge contacts and charge again (p. 12, 13).<br>• Replace the battery. Please purchase a new battery (p. 42). |
| The IN USE/CHARGE indicator light never goes out while charging. | • This is normal. |
| If you cannot solve your problem | • Call our customer call center at 1-800-211-PANA(7262). |

# 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

Useful Information

# ➡ 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 ......................................................................................0.1B
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.

*Useful Information*

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# ➡ FCC and Other Information

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.

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

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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 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.

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