Panasonic

Cordless Answering System

Model No. KX-TCC425-B

Pulse-or-tone dialing capability

Operating Instructions

SOUND CHARGER

25 CHANNEL

Caller ID Compatibility

PLEASE READ BEFORE USE AND SAVE.

Charge the battery for about 3 hours before initial use.

Before Initial Use

Please read IMPORTANT SAFETY
INSTRUCTIONS on pages 84-85 before use.
Read and understand all instructions.

***Thank you for purchasing a 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.

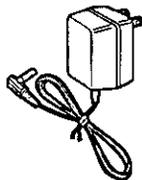## For your future reference

Serial No.   Date of purchase
(found on the bottom of the unit)
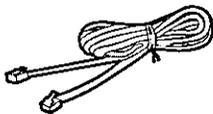
Name and address of dealer

Accessories To order accessories, call 1-800-211-PANA(7262).
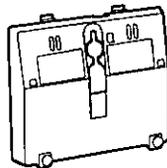
☐ AC Adaptor (p. 12) Order No. KX-A11-6	☐ Telephone Line Cord (p. 12)	☐ Wall Mounting Adaptor (p. 76, 83) Order No. PQKL10028Z2
one	one	one

For Best Performance

Battery Charge

A rechargeable Ni-Cd battery powers the handset. Charge the battery for about **3 hours** before initial use (p. 13).

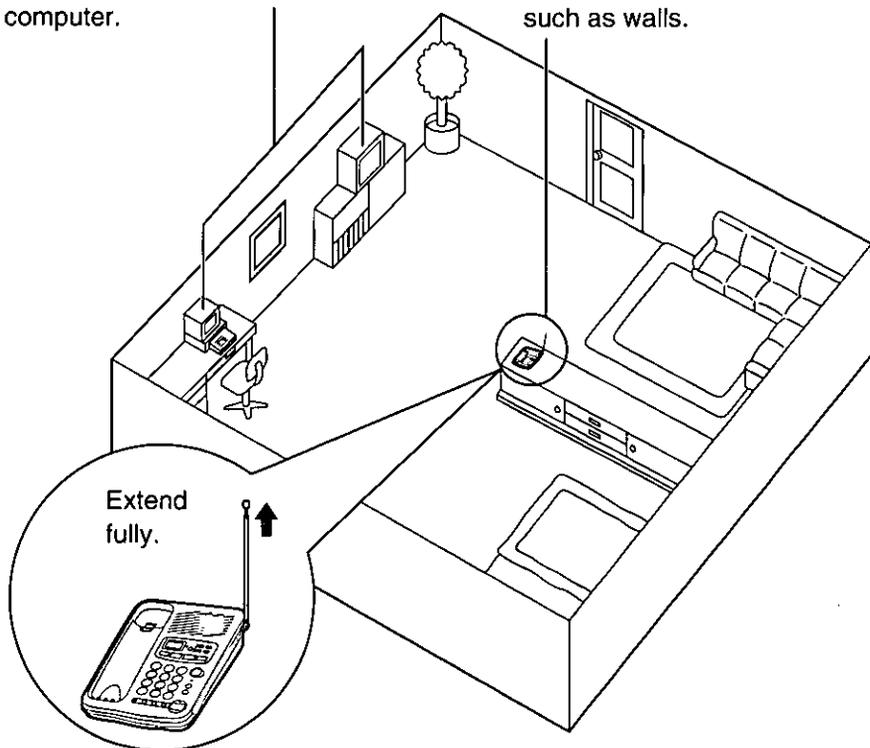The battery is beneath this cover.

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.

Contents

Location of Controls

Base unit

Antenna (p. 3, 12)

[ANSWER ON] Button and Indicator (p. 54)

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VOLUME ⌃, ⌄ Buttons
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Button and Indicator (p. 30)

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(p. 14)

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MIC (Microphone) (p. 18, 30, 58)

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➡ Location of Controls

Handset

Antenna

[CLEAR] Button
(p. 27, 41, 43)

[EXIT] Button (p. 15, 36)

[TALK] Button and
Indicator (p. 15, 26)

[EDIT] Button (p. 39)

[TONE] Button (p. 53)

[DIRECTORY] Button
(p. 46)

[CALL WAIT/FLASH]
Button (p. 52)

[INTERCOM] Button
(p. 50)

BATT (Battery) LOW
Indicator (p. 13)

Charge Contacts (p. 14)

Display (p. 10)

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SEARCH ⊙, ⊙
Buttons (p. 15, 35, 46)

[TEL NO./TIME] Button
(p. 36)

[LOUD/RINGER]
Button (p. 27, 29)

[REDIAL/PAUSE]
Button (p. 26, 53)

[PROGRAM/2WAY REC]
(Record) Button
(p. 15, 20, 43, 72)

[SCREEN/PLAYBACK]
Button (p. 20, 70, 72)

[CH] (Channel)
Button (p. 27)

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Displays

Both the base unit and handset give you information and instructions on their displays. These display prompts are shown below.

Base unit display
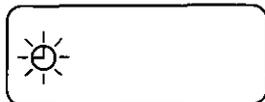
The clock needs adjusting (p. 22).
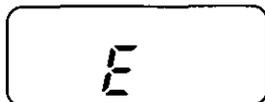
Your message was not recorded correctly. Record it again (p. 18, 58).

The unit is in answering system programming mode.

The speaker volume level is set to "5".
You can select:
– 9 levels (0-8) while using the answering system (p. 19, 55).
– 8 levels (1-8) while using the speakerphone (p. 30).
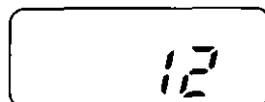
12 messages have been recorded.

Memory is full. Erase some or all of the messages (p. 57).
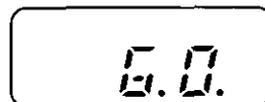
The recording time is set to "greeting only" (p. 21).

The base unit ringer volume is set to OFF (p. 32).

The pager call mode is set to ON (p. 63).

Preparation

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⇒ Displays

Handset display

```
NO CALLERS
```
The Caller List is empty.

```
12 NEW CALLS
∨=NEW      ∧=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.
The display shows the number of new calls (p. 35). To search from the most recent call, press **SEARCH** ⊙ (NEW key).
To search from the oldest call, press **SEARCH** ⊘ (OLD key) (p. 36).

```
1112222
01-06-35   [ □□□ ]
```
When making a call, the display will show the following:
– the dialed number,
– the length of the call (ex. 1 hour, 6 minutes and 35 seconds), and
– the present battery strength (p. 13).

```
OUT OF RANGE
```
The handset has lost communication with the base unit (p. 20, 27).

```
SAVE ERROR
```
While programming, the handset lost communication with the base unit (p. 15, 40, 43, 49).

```
    PAGING
PRESS INTERCOM
```
The base unit is paging the handset (p. 50).

```
INTERCOM
00-00-07   [ □□□ ]
```
The handset and base unit are in intercom mode (p. 50).

```
INTERCOM HOLD
00-01-12   [ □□□ ]
```
An outside call has been put on hold by the handset user in intercom mode. To release the hold, press (TALK) or (DIGITAL SP-PHONE) (p. 51).

```
SUSAN HAMMER
----WAITING----
```
A second call is received during a conversation (p. 52).

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```
SUSAN HAMMER
11:20A JAN12 ×3
```

This is a name from the Caller List. The time and date of the last call (ex. Jan. 12, 11:20 AM) and the number of times this caller called (ex. 3 times) are displayed.

```
END OF NEW CALL
```

You have finished viewing the NEW CALLS in the Caller List. To exit, press (**EXIT**).

```
END OF OLD CALL
```

You have finished viewing the OLD CALLS in the Caller List. To exit, press (**EXIT**).

```
END
```

You are at the end of the Caller List. To exit, press (**EXIT**).

```
MEMORY IS FULL
```

While trying to store the Caller List information in memory, the directory memory is full (p. 40).

```
NOT AVAILABLE
```

SEARCH ☑ or ☒, or (**DIRECTORY**) was pressed while the base unit was engaged in an outside call or the answering system was being operated.

```
ANNE
1234567890
```

This is a name from the directory. The stored name and phone number are displayed.

```
NO ITEM STORED
```

There are no stored items in the dialing button you pressed in the directory.

```
MEMORY IS FULL
        #=CLEAR
```

While trying to store an item in memory, the directory memory is full (p. 43).

```
ANSWERING
SYSTEM SETTING
```

The unit is in answering system programming mode (p. 20).

```
REMOTE
OPERATION
```

The handset is operating the answering system remotely (p. 70).

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Settings

Connections

Extend the antenna fully.

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

Hook

Single-Line Telephone Jack (RJ11C)

Telephone Line Cord

Power Outlet (AC 120 V, 60 Hz)
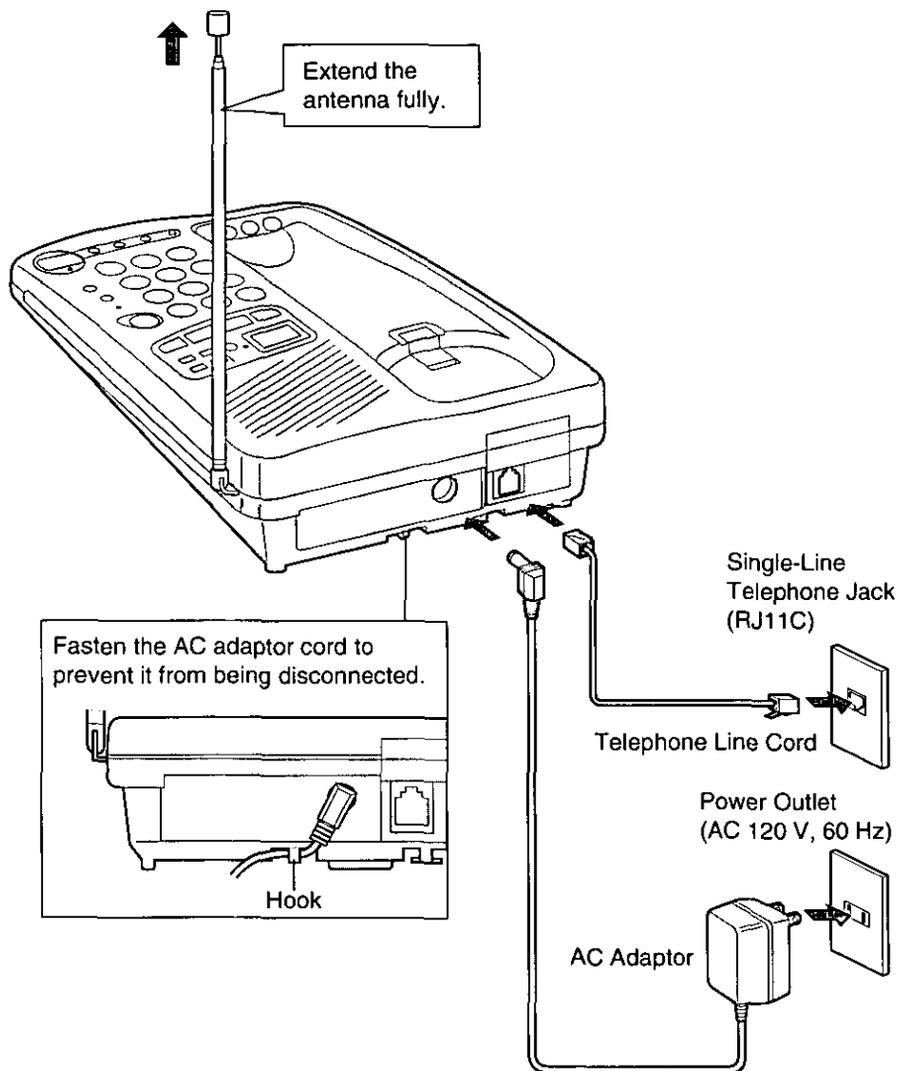
AC Adaptor

- USE ONLY Panasonic AC ADAPTOR KX-A11.
- 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 83.
- If your unit is connected to a PBX which does not support Caller ID services, you cannot access those services.

Battery Charge

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

• The IN USE/CHARGE indicator lights.
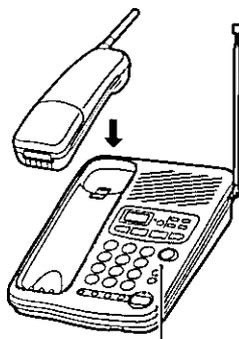
IN USE/CHARGE Indicator

Battery strength

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

The battery strength is as shown in the chart below.

Display prompt	Battery strength
[▌▌▌]	Fully charged
[▌▌]	Medium
[▌]	Low

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 30 minutes once you begin recharging. This time will increase the more you use the handset while recharging.

BATT LOW Indicator

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➡ Settings
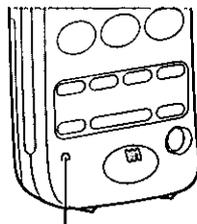
Battery information

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 21 days

• Battery life may be shortened depending on usage conditions, such as:
 – when viewing the Caller ID Caller List or directory items, 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.
• A fully charged battery does not require the handset to be placed on the base unit until the BATT LOW indicator 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 stand-by mode after you finish using the handset (making/answering a call, viewing the Caller List or directory items, etc.). The display is blank, but the handset can receive calls. The battery life is conserved in this mode.

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 and DIGITAL SP-PHONE indicator lights must be off before programming.

1 Press (PROGRAM/2WAY REC).

• The TALK indicator flashes.

```
SAVE DIRECTORY?
∨=NEXT      ∧=YES
```

2 Press **SEARCH** ⊙ (NEXT key) 4 times until "SET DIAL MODE ?" is displayed.

```
SET DIAL MODE ?
∨=NEXT      ∧=YES
```

3 Press **SEARCH** ⊙ (YES key).

```
DIAL MODE
∨=TONE   ∧=PULSE
```

4 To select PULSE, press **SEARCH** ⊙.
OR
To select TONE, press **SEARCH** ⊙.

```
DIAL MODE
              PULSE
```

• A confirmation tone sounds.*
• The selected mode is displayed.
• The handset will return to stand-by mode.

```
DIAL MODE
              TONE
```

• To cancel programming changes, press (EXIT) before step 4.
• If 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.

*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.

Storing the Area Code

We recommend that you program your area code first before using the Caller ID feature (p. 34). 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/2WAY REC).

• The TALK indicator flashes.

```
SAVE DIRECTORY?
∨=NEXT      ∧=YES
```

2 Press SEARCH ☑ (NEXT key) 3 times until "SAVE AREA CODE?" is displayed.

```
SAVE AREA CODE?
∨=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 When finished, press (PROGRAM/2WAY REC) (SAVE key).

• The stored number is displayed.
• The handset will return to stand-by mode.

```
AREA CODE = 123
```

• To cancel programming changes, press (EXIT) before step 5.

To erase the area code

1. Press (PROGRAM/2WAY REC).
2. Press SEARCH ☑ (NEXT key) 3 times.
3. Press SEARCH ☒ (YES key).
4. Press (CLEAR).
5. When finished, press (PROGRAM/2WAY REC) (SAVE key).

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 use this feature, turn the feature ON by programming. The factory preset is OFF.

The TALK indicator light must be off before programming.

1 Press (PROGRAM/2WAY REC).
• The TALK indicator flashes.

```
SAVE DIRECTORY?
v=NEXT      ^=YES
```

2 Press SEARCH ☑ (NEXT key) 5 times until "TALK SWITCHING?" is displayed.

```
TALK SWITCHING?
v=NEXT      ^=YES
```

3 Press SEARCH ☒ (YES key).

```
AUTO  TALK
v=ON        ^=OFF
```

4 To select ON, press SEARCH ☑.
OR
To select OFF, press SEARCH ☒.

• The selected mode is displayed.
• The handset will return to stand-by mode.

```
AUTO  TALK
                ON
```

```
AUTO  TALK
                OFF
```

• To cancel programming changes, press (EXIT) before step 4.
• In order to view Caller ID information before answering a call, leave the Auto Talk feature OFF.

Preparing the Answering System

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. 19).

All messages (greeting, incoming, memo, etc.) are stored in digital memory (p. 55). The **total recording time is about 14 minutes.** We recommend you record **a brief greeting message** (see the sample below) in order to leave more time in memory.

To record a greeting message

1 Press (GREETING REC) to start the recording mode.
- "Press RECORD again to record greeting." is heard.

2 Within 5 seconds, press (GREETING REC) again to record your greeting.
- A long beep sounds.

3 After the long beep, talk clearly about 8 inches (20 cm) away from the **MIC** (microphone).
- The base unit display shows the elapsed recording time.

4 When finished, press (STOP).
- **To check** the recorded greeting, press (GREETING CHECK).
- To change the message, repeat from step 1.

(GREETING CHECK)
(GREETING REC)
(STOP)

MIC
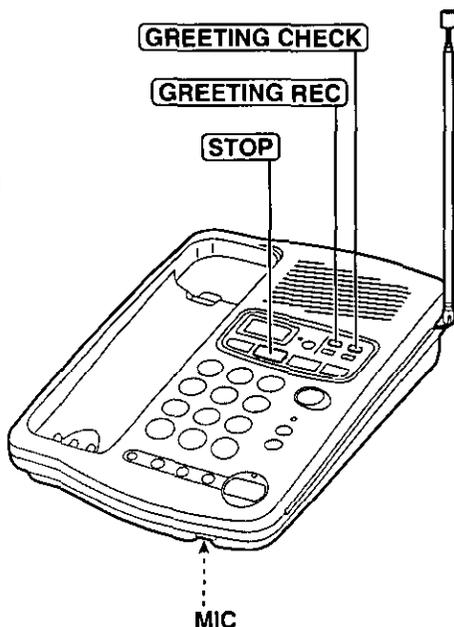
Greeting message sample

"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.

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

Pre-recorded greeting message

If you do not record a greeting message (p. 18), one of the following two messages will be played when a call is received depending on the caller's recording time (p. 21).

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

• 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."

(GREETING CHECK)
(ERASE)

To increase the volume, press **VOLUME** Ⓐ.
To decrease, press **VOLUME** Ⓥ.

19
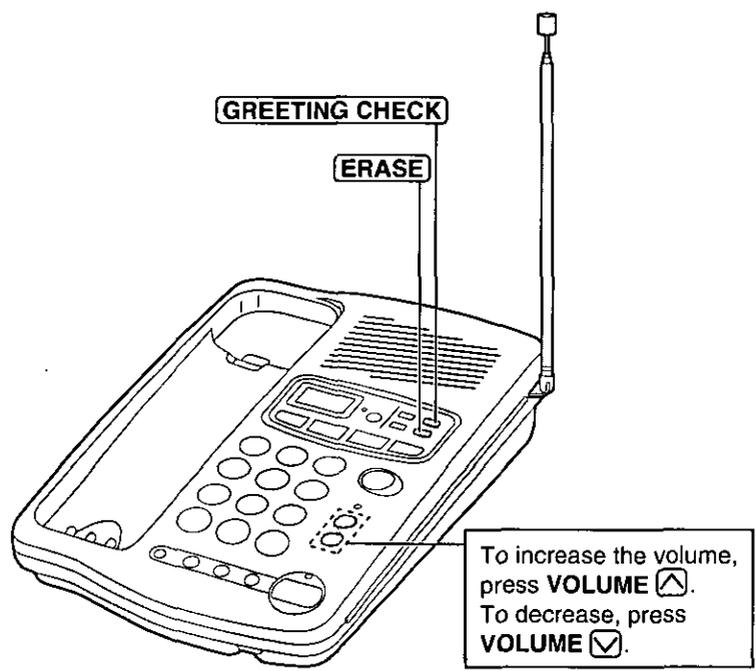
Summary of Programmable Preparations

You can program the following functions **by using the handset near the base unit.** See the bracketed pages for details.
The TALK and DIGITAL SP-PHONE indicator lights must be off before programming.

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

⬇

Press (**SCREEN/PLAYBACK**).
• "ANSWERING SYSTEM SETTING" is displayed on the handset.

⬇ • If the handset displays "OUT OF RANGE" and an alarm
tone sounds, move toward the base unit. Then try again.

To adjust **the time and day**, press ⓪. (page 22)
To set **the remote code**, press ①. (page 65)
To select **the number of rings**, press ②. (page 24)
To set **the CPC function**, press ③. (page 25)
To set **the greeting monitor function**, press ④. (page 25)
To select **the caller's recording time**, press ⑤. (page 21)
To select **the pager mode setting**, press ⑥. (page 62)
To store **your home telephone number**, press ⑦. (page 60)
To store **the pager number**, press #. (page 59)
• The base unit display shows numbers or characters related to the
adjustment or settings.

⬇

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

• To cancel during programming, press (**EXIT**), 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.

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 button lights.
- "P" is displayed on the base unit.

3 Press (5).
- The current setting is displayed on the base unit.

  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 on the base unit.

5 When finished, press (PROGRAM/2WAY REC).
- The indicator and button lights go out.

TALK Indicator

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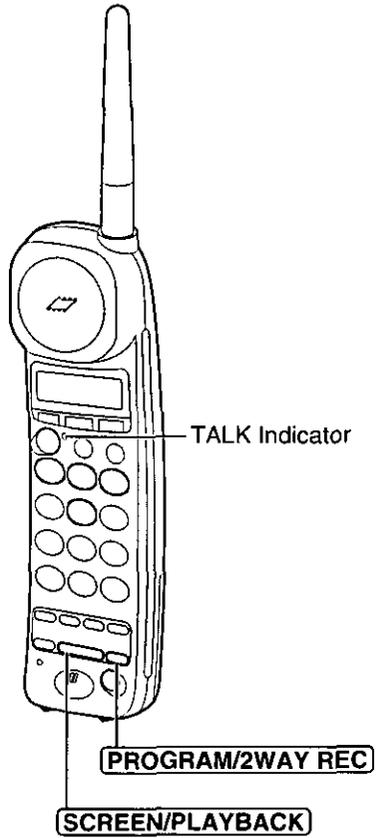
If you select "greeting only", the unit will answer a call with the greeting message, and then hang up. The unit will not record any messages.

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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.

If you subscribe to a Caller ID service (p. 34), please read the information on the next page.

1 Press (PROGRAM/2WAY REC).
- The TALK indicator flashes.

2 Press (SCREEN/PLAYBACK).
- The button lights.
- "P" is displayed on the base unit.

3 Press ⓪.
- "🕐" is displayed on the base unit.
- "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 on the base unit.

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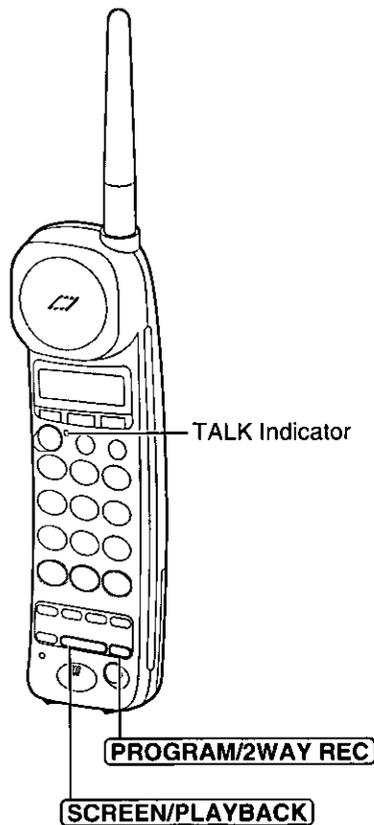
- In step 4, you cannot enter numbers greater than 12. **Do not use military time.** (To set 13:00 hours, enter "0100" and select "PM" by pressing ✳.)
- The accuracy of the clock is approximately ±45 seconds a month at room temperature.

∎

To check the time/day

Press [PROGRAM/2WAY REC] ➡ [SCREEN/PLAYBACK] ➡ [0].

• The current time/day is heard. When finished, press
[PROGRAM/2WAY REC].

For Caller ID service users (p. 34)

• The time will be adjusted by the incoming Caller ID information after the first ring. In this case, the day will not be adjusted. To adjust the day, follow steps 1 to 3 on page 22, press [#] repeatedly, then press [PROGRAM/2WAY REC].
• The Caller ID information will re-set the clock if the adjusted time is incorrect.
• The Caller ID information will automatically set the clock ahead at the beginning of summer and back at the beginning of winter.

Preparation

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Selecting the Number of Rings

You may select the number of rings before the answering system answers a call, from "2" 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 button lights.
• "P" is displayed on the base unit.

3 Press ②.

• The current setting is displayed on the base unit.

4 Press dialing button ⓪, or ② to ⑦ to set the number of rings.

0: Selects "AUTO".
"A" is displayed.

2-7: The unit will answer after the selected number of rings.

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

• The indicator and button lights go out.

TALK Indicator

(PROGRAM/2WAY REC)

(SCREEN/PLAYBACK)
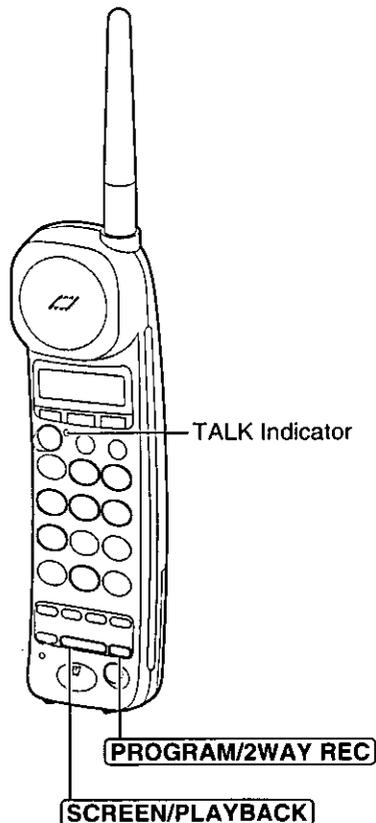
Toll Saver (When set to "AUTO")

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.

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 set to "2 (ON)", press [2].
   OR
   To set to "1 (OFF)", press [1].

   • The setting is displayed.

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

Making/Answering Calls

Making Calls with the Handset

Display

EXIT

SEND

TALK and Indicator

CLEAR

LOUD/RINGER

REDIAL/PAUSE

CH
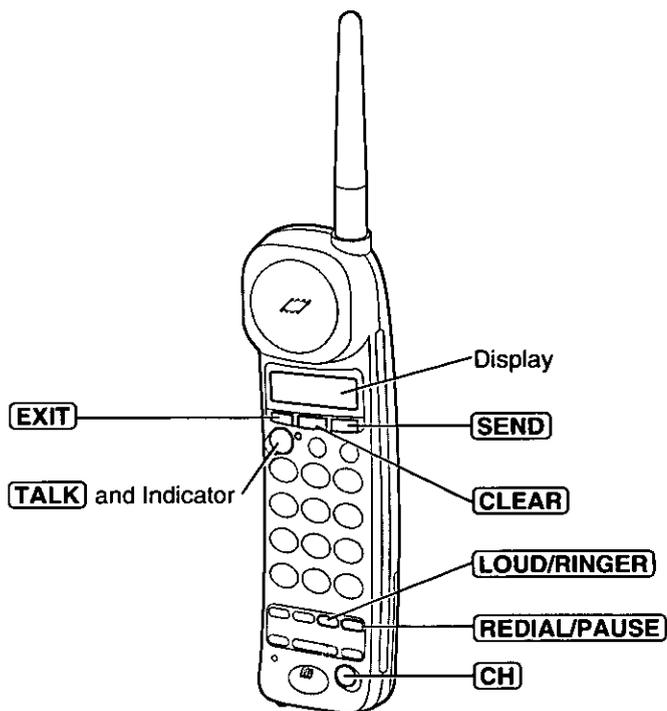
1 Press TALK.

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

```
TALK
              CH12
```

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.

```
1112222
              CH12
```

```
1112222
00-00-00   [III]
```
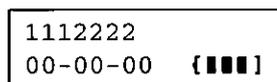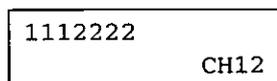
3 To hang up, press TALK or place the handset on the base unit.

- The TALK indicator light goes out.

To redial the last number dialed on the handset

Press TALK ➡ REDIAL/PAUSE.

To dial after confirming the entered number

1 Enter the phone number.

- If you misdial, press **(CLEAR)**. Digits are erased from the right.
- To cancel, press **(EXIT)**.

```
1112222
          {❚❚❚}
```

2 Press **(SEND)**.

- After a few seconds, the display will show the length of the call.

```
1112222
             CH12
```

```
1112222
00-00-00  {❚❚❚}
```

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

To redial after confirming the last number dialed

Press **(REDIAL/PAUSE)** ➡ **(SEND)**.

- If "OUT OF RANGE" is displayed and an alarm tone sounds after pressing **(TALK)** or **(SEND)** when making a call, move closer to the base unit or place the handset on the base unit. Then try again.

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.
- After a few seconds, the display will return to the length of the call.

MEDIUM
```
LOUD
LOW ❚❚❚❚     HIGH
```

HIGH
```
LOUD
LOW ❚❚❚❚❚❚ HIGH
```

LOW
```
LOUD
LOW ❚❚       HIGH
```
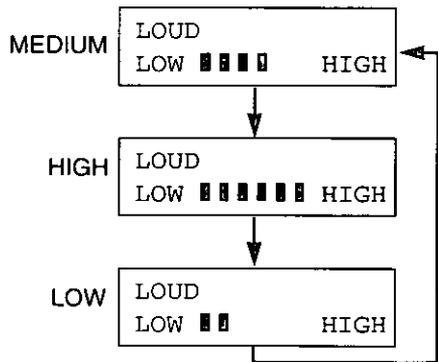
If noise interferes with the conversation

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

- The selected channel number is displayed.

```
1112222
00-01-30   CH10
```

27

Answering Calls with the Handset

If you subscribe to a Caller ID service, the calling party information will be displayed on the handset after the first ring (p. 34). Please wait until the second ring to answer a call in order to view the Caller ID information.

1 Press (TALK).

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

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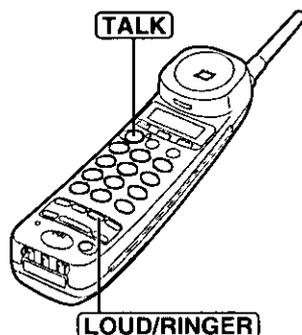
Auto Talk

If you set the Auto Talk feature to ON (p. 17), you can answer a call by lifting the handset off the base unit without pressing (TALK).
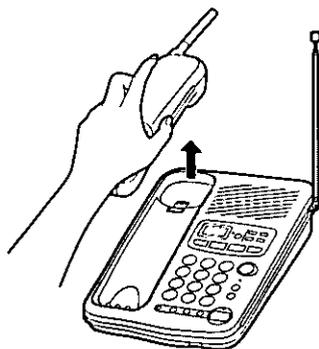
Adjusting the handset ringer volume

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.)

HIGH
```
RINGER
LOW ■■■■■■ HIGH
```

LOW
```
RINGER
LOW ■■        HIGH
```
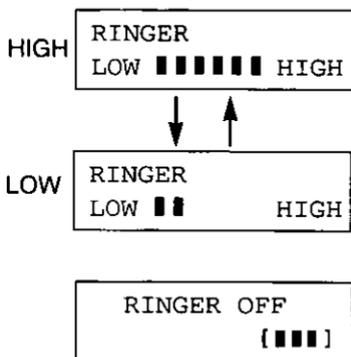
• **To turn the ringer OFF**, press and
hold (LOUD/RINGER) until 2 beeps
sound.

```
RINGER OFF
        [ ■■■ ]
```

"RINGER OFF" will be displayed for
about 40 seconds before the
handset returns to stand-by mode.

• **To turn the ringer ON**, press
(LOUD/RINGER) briefly. The ringer
sounds at the HIGH level.

Lighted handset keypad

The handset 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.

Lighted handset display

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

Cordless Telephone

Making Calls with the Base Unit
(Digital Duplex Speakerphone)

1 Press
(DIGITAL SP-PHONE).

• The indicator lights.

2 Dial a phone number.

3 When the other party answers, talk into the MIC (microphone).

4 To hang up, press (DIGITAL SP-PHONE).

• The indicator light goes out.

(DIGITAL SP-PHONE) and Indicator

(HOLD/RINGER)

(REDIAL/PAUSE)

MIC
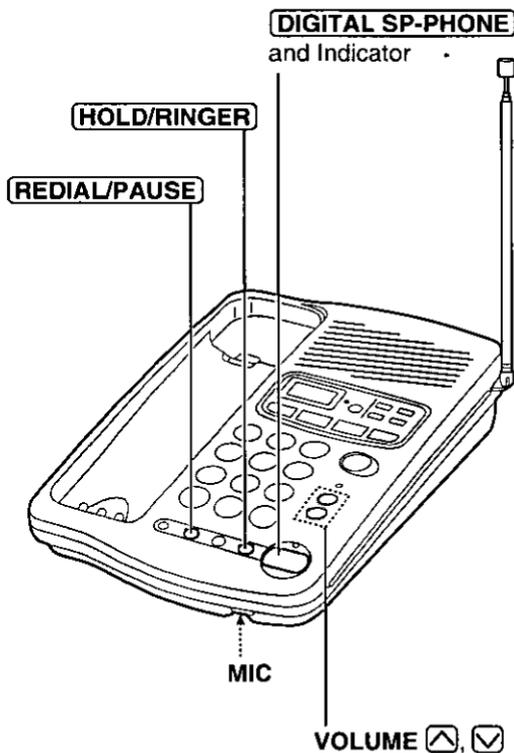
VOLUME △, ▽

• While using the speakerphone, if the handset is on the base unit, you may switch to the handset by lifting it up.

To adjust the speaker volume (8 levels) while talking

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

30

Hands-Free Digital Duplex Speakerphone

The digital duplex speakerphone enhances your telephone conversation. For best performance, please note the following:
• Use the speakerphone in a quiet room.
• Speak alternately with the caller.
• If the caller complains that your voice is hard to hear, press **VOLUME** ⟨∨⟩ to decrease the speaker volume.
• If the other party's voice from the speaker cuts in/out during a conversation, press **VOLUME** ⟨∨⟩ to decrease the speaker volume.

To redial the last number dialed on the base unit

Press (DIGITAL SP-PHONE) ➡ (REDIAL/PAUSE).

To put a call on hold

Press (HOLD/RINGER).

• The DIGITAL SP-PHONE indicator flashes.
• After 6 minutes, warning rings will sound every 10-15 seconds. After a total of 10 minutes, the call will be disconnected.

To release the hold

For the base unit, press (DIGITAL SP-PHONE).
For the handset, press (TALK) or lift the handset off the base unit.

• If another phone is connected on the same line (p. 83), you can also release the hold by lifting its handset.

Answering Calls with the Base Unit

When a call is received, the unit rings and the CALLER ID indicator flashes quickly.

1 Press
(DIGITAL SP-PHONE).

2 Talk into the **MIC**.

3 To hang up, press
(DIGITAL SP-PHONE).

(DIGITAL SP-PHONE)

(HOLD/RINGER)

CALLER ID
Indicator

MIC
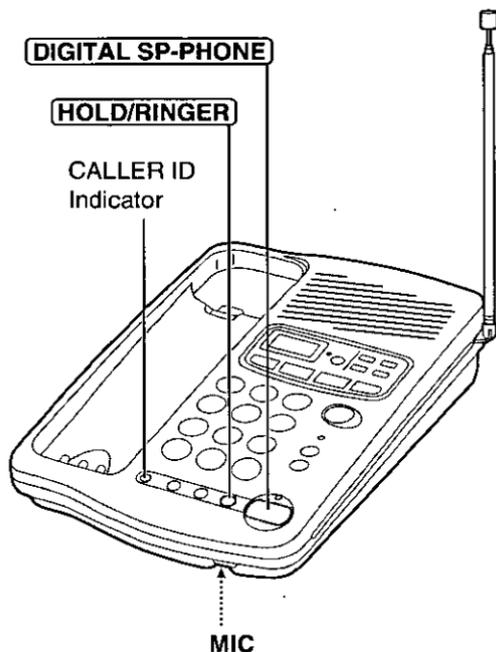
Adjusting the base unit ringer volume

The DIGITAL SP-PHONE indicator light must be off.

• **To select HIGH (preset) or LOW**, press (HOLD/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 (HOLD/RINGER) until 2 beeps
  sound. "*RINGER* *OFF*" will be displayed on the base unit.
• **To turn the ringer ON**, press (HOLD/RINGER) briefly. The ringer sounds
  at the HIGH level.

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Simultaneous Keypad Dialing

You can use the base unit like a standard telephone. After pressing (TALK) to make a call with the handset near the base unit, you can also dial using the base unit keypad.

1 Handset:
  Press (TALK).

2 Base unit:
  Dial the phone number while hearing the dial tone with the handset.

  • When the other party answers, talk using the handset.

3 Handset:
  To hang up, press (TALK) or place the handset on the base unit.
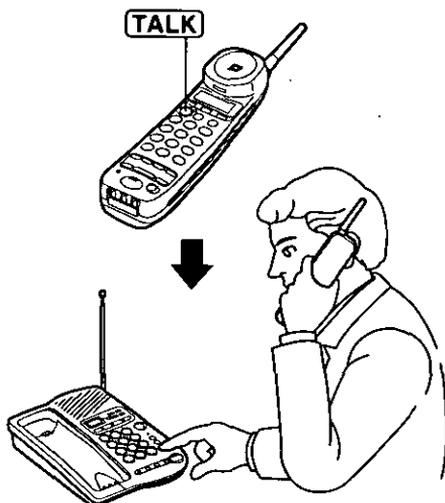
Simultaneous Keypad Dialing is available only after pressing (TALK).

Useful information

You can enter numbers using the base unit keypad during a call with the handset. For example, to access an answering service, electronic banking service, etc.

1. Handset:
   Press (TALK).

2. Handset:
   Dial a phone number.
   • You may also dial with the base unit keypad.

3. Base unit:
   Enter the required numbers while listening to the pre-recorded instructions.

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

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 on the handset after the first ring.

The unit records information of up to 30 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.

Using the list, you can automatically call back a caller. You can store the caller's number from the Caller List into the directory.

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 on the handset (p. 52).

How caller information is displayed when a call is received

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

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

After you answer the call with the handset, the display will show the caller's name, the length of the call and the present battery strength.

```
TINA ROBINSON
00-00-00   [000]
```

The CALLER ID indicator flashes quickly when a call is being received.

● In some cases, caller information cannot be displayed. The handset display will show as follows.

The caller dialed from an area which does not provide a Caller ID service.

```
OUT OF AREA
```

The caller has requested not to display their information.

```
PRIVATE CALLER
```

● When the unit is connected to a PBX system, you cannot receive caller information.
● 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

While the handset is on the base unit:
Lift the handset.
OR
While the handset is off the base unit:
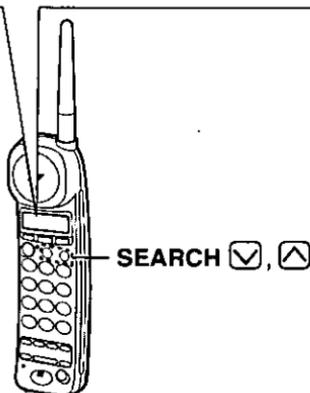Press **SEARCH** ☑ or ☒ to turn the display on.

For example, if you have received 10 new calls, the display will show the following.

```
10 NEW CALLS
∨=NEW      ∧=OLD
```

● When lifting the handset off the base unit, the display will change to stand-by mode after about 10 seconds.

— **SEARCH** ☑, ☒

The CALLER ID indicator flashes slowly when new calls have been received.

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Using the Caller List

Viewing the Caller List

To confirm who has called you, follow the steps below.
The TALK and DIGITAL SP-PHONE indicator lights 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.

  ```
  1 NEW CALL
  ∨=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 move between callers, press **SEARCH** ⊽ or ⌃.
  • To alternate the display between the number and time/date information, press ③ (TEL NO./TIME).

3 To exit the list, press (EXIT).

  • The handset will return to stand-by mode.

Display

(EXIT)

SEARCH ⊽, ⌃

③
(TEL NO./TIME)
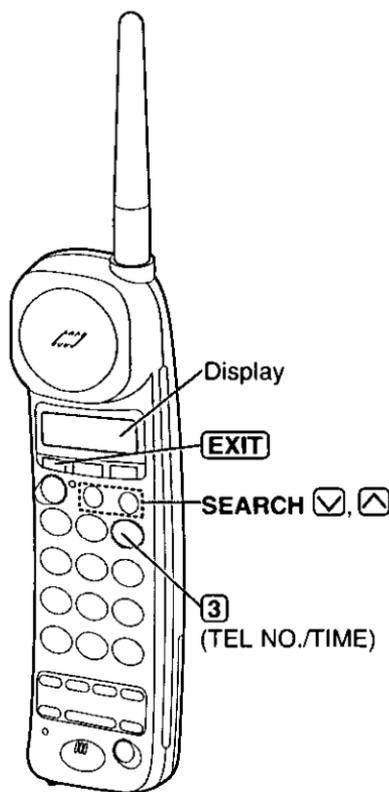
• Once NEW calls have been checked, they will be listed as OLD.
  The number of NEW calls will be displayed as "0 NEW CALL" after all of the NEW calls have been checked.
• When you answer a call or call back, the caller information will be listed as OLD.
• If "NO CALLERS" is displayed in step 1, the 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, the OLD call entry will be deleted when the same caller calls again.

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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 ⊙.

↓

```
1 NEW CALL
∨=NEW        ∧=OLD
```
Press **SEARCH** ⊙. ↓ *

```
JACK SMITH          Press 3 (TEL NO./TIME).   JACK SMITH
111-2222            ◄───────────────────►     11:20A JAN12 ×3
```
Press **SEARCH** ⊙. | └──────────────────────┘ Press **SEARCH** ⊙.

```
END OF NEW CALL
```
Press **SEARCH** ⊙. ↓ *

```
•NANCY BROWN        Press 3 (TEL NO./TIME).   •NANCY BROWN
222-3333            ◄───────────────────►     9:54A JAN10 ×2
```
Press **SEARCH** ⊙. | └──────────────────────┘ Press **SEARCH** ⊙.
                    *

```
/KEVIN PARKER       Press 3 (TEL NO./TIME).   /KEVIN PARKER
333-4444            ◄───────────────────►     8:35P JAN 9
```
Press **SEARCH** ⊙. | └──────────────────────┘ Press **SEARCH** ⊙.

```
END
```
└─── Press **SEARCH** ⊙.

*If the caller does not have name information, the display will only show the phone number.
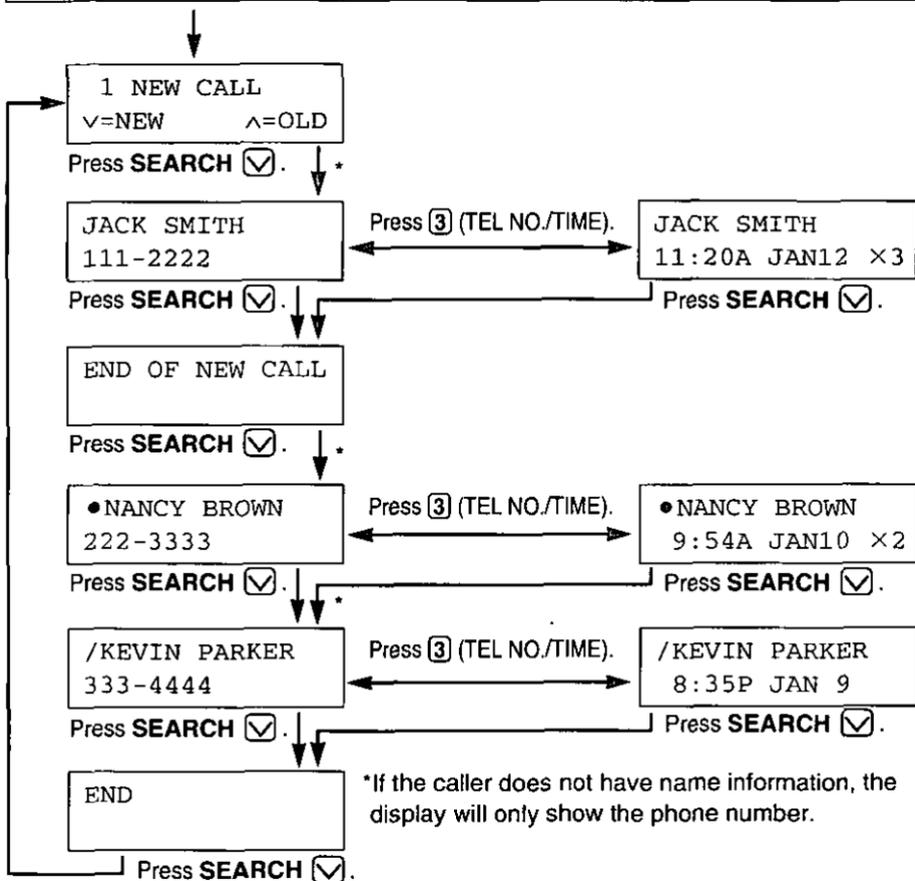
To exit the Caller List, press (EXIT).
• The handset will return to stand-by mode.

Display Symbols

• : You have viewed this caller information at least once or answered the call.

/ : You have called back the caller.

×2-×9 : The number of times they called (up to 9).

Cordless Telephone

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Calling Back from the Caller List

Display

TALK

2 (EDIT)

SEND

SEARCH ▽, △

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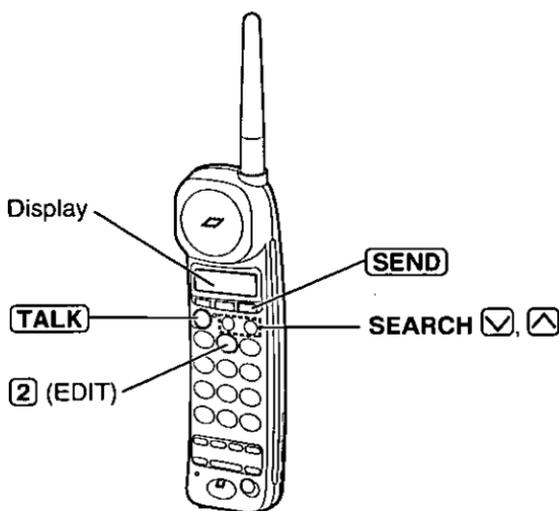press SEARCH ▽ or △ to enter the list.

```
3 NEW CALLS
∨=NEW      ∧=OLD
```

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

```
CINDY TURNER
1-234-456-7890
```

3 Press SEND.

• The displayed phone number is dialed
automatically.

```
1-234-456-7890
            CH10
```

```
1-234-456-7890
00-00-07  [▮▮▮]
```

4 To hang up, press TALK or place the
handset on the base unit.

• In some cases, you may have to edit the number before dialing (p. 39).
(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 and DIGITAL SP-PHONE indicator lights 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
∨=NEW        ∧=OLD
```

2 Press **SEARCH** ⊙ or ⊘ repeatedly to
find the desired caller.

```
FRED PARKER
321-5555
```

3 Press ② (EDIT) to select a pattern.
Each time you press ② (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
```

ⓑ
```
FRED PARKER
1-234-321-5555
```

ⓒ
```
FRED PARKER
234-321-5555
```

ⓓ
```
FRED PARKER
321-5555
```
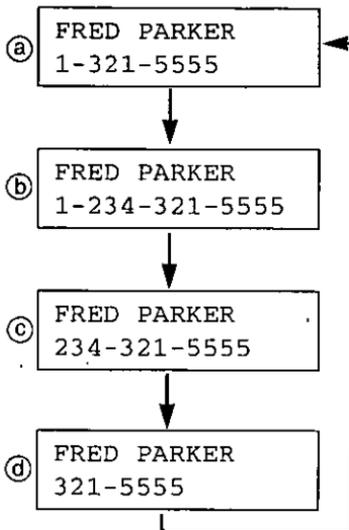
4 After you edit the number into the desired pattern, you can continue
with calling back or storing procedures.
To call back, press (SEND) (p. 38).
To store the number in the directory, press (PROGRAM/2WAY REC),
then follow the instructions on the display (see page 40, from step 3).

Cordless Telephone

Storing the Caller List Information in the Directory

You can store names and numbers that are in the Caller List into the directory. **The TALK and DIGITAL SP-PHONE indicator lights must be off before programming.**

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 store in the directory.

```
CINDY TURNER
1-234-456-7890
```

- If the number requires editing, see page 39.

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

```
SAVE DIRECTORY?
∨=NO      ∧=YES
```

4 Press **SEARCH** ⊼ (YES key).

```
SAVING...
```

- Programming is completed and the display shows "SAVED OK".

If the caller information you want to store does not have name information, just follow the instructions on the display.

a) If you do not want to enter a name, press **SEARCH** ⊽ (NO key).

```
SAVE  NAME ?
∨=NO      ∧=YES
```

b) If you want to enter a name, press **SEARCH** ⊼ (YES key). Then enter the name (p. 44). When finished, press (**PROGRAM/2WAY REC**) (SAVE key).

```
ENTER NAME
```

- If the display shows "MEMORY IS FULL" in step 3, press (**EXIT**).
To erase other stored items from the directory, see page 49.
- If the display shows "SAVE ERROR", move closer to the base unit and try again. If "SAVE ERROR" still remains, place the handset on the base unit. Restart from step 1.
- You cannot store caller information in the directory when a phone number is not displayed.

Erasing the Caller List Information

You can erase some or all of the entries in the Caller List.
The TALK and DIGITAL SP-PHONE indicator lights must be off.

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
```

3 Press (CLEAR).

* The information is erased.
* In a few seconds, the display will show
  the previous caller information.

```
        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.

```
0 NEW  CALL
∨=NEW       ∧=OLD
```

2 Press (CLEAR).

```
PRESS  CLEAR  FOR
ALL  CLEAR
```

3 Press (CLEAR) again.

* All of the entries are erased.
* The handset will return to stand-by
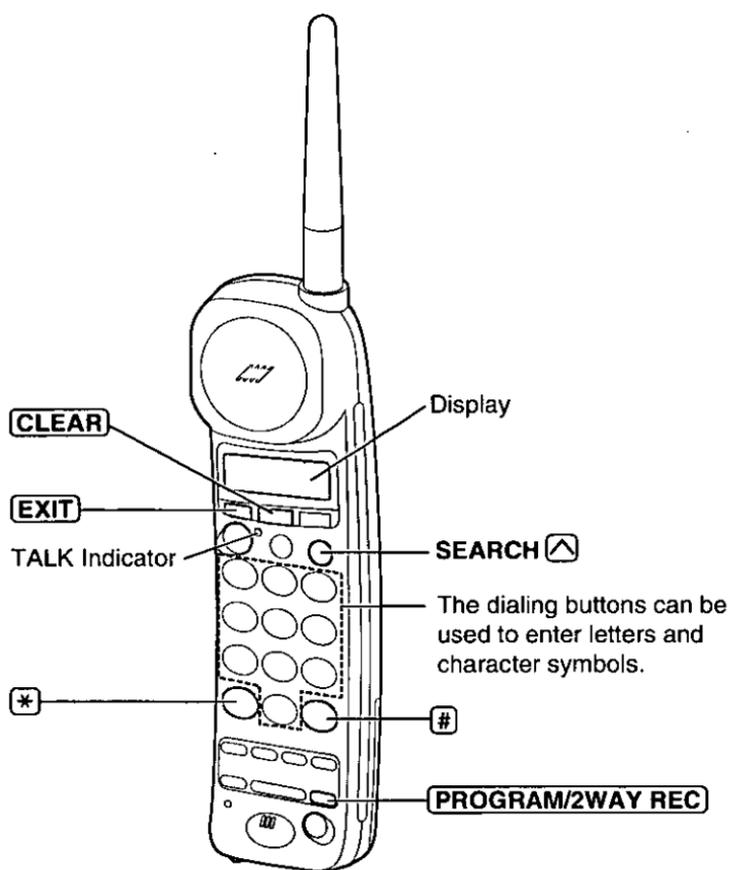 mode.

```
     ALL  CLEAR
```

* You can also erase all of the entries by setting the display to
  "END OF NEW CALL" or "END" using **SEARCH** ☑ or ☒ in step 1.

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Using the Directory

You can store up to 30 names and phone numbers in the directory. All directory items are sorted by the first word in alphabetical order.
Using the directory, you can make a call by selecting a name on the handset display.

Storing Names and Numbers in the Directory

The TALK and DIGITAL SP-PHONE indicator lights must be off before programming.

CLEAR

EXIT

TALK Indicator

Display

SEARCH △

The dialing buttons can be used to enter letters and character symbols.

PROGRAM/2WAY REC

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

• The TALK indicator flashes.

```
SAVE DIRECTORY?
V=NEXT      ^=YES
```

2 Press **SEARCH** ⊠ (YES key).

• The display shows the number of stored items in the directory.

```
DIRECTORY =
   23 ITEMS
```

3 Enter a name up to 15 characters with the handset dialing buttons, ⊛ (←) or ⌗ (→).

• See the steps for entering names and symbols (p. 44).
• To skip entering the name, press ⌗ (TEL NO. key), then go to step 5.

```
ENTER NAME
        #=TEL NO.
```

```
ADAMS̄
*#=↔ PROG=SAVE
```

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

```
ENTER PHONE NO.
```

5 Enter a phone number up to 16 digits.

• If you misdial, press (**CLEAR**). Digits are erased from the right.

```
0987654321
        PROG=SAVE
```

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

• A confirmation tone sounds.*
• The item is saved and the display shows "SAVED OK".
• The handset will return to stand-by mode.

```
SAVING...
```

• To cancel programming changes, press (**EXIT**) before step 6.
• If the display shows "MEMORY IS FULL" in step 2, press ⌗ (CLEAR key) to erase other stored items from the directory (see page 49, from step 3).
• If 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.
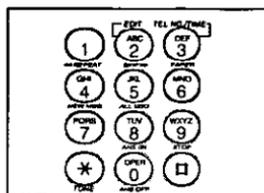
*What the confirmation tone means

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

Steps for Entering Names and Symbols

The handset dialing buttons can be used to enter letters and character symbols. Pressing each button selects a character as shown below.

		Number of times you press each key									
Keys	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**
①	#	&	'	(	)	*	,	−	.	/	1
②	A	B	C	a	b	c	2				
③	D	E	F	d	e	f	3				
④	G	H	I	g	h	i	4				
⑤	J	K	L	j	k	l	5				
⑥	M	N	O	m	n	o	6				.
⑦	P	Q	R	S	p	q	r	s	7		
⑧	T	U	V	t	u	v	8				
⑨	W	X	Y	Z	w	x	y	z	9		
⓪	0	Blank									
✳	To move the cursor ▯ to the left.										
#	To move the cursor ⌐ to the right.										

If you make a mistake while entering a name

Use ✳ (←) or # (→) to move the cursor to the incorrect character, then make the correction.
You can delete one character by pressing (CLEAR).

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For example, to enter "Tom Jones":

1 Press [PROGRAM/2WAY REC].

```
SAVE DIRECTORY?
∨=NEXT     ∧=YES
```

2 Press SEARCH ⌂ (YES key).

```
DIRECTORY =
    23 ITEMS
```

3 Press ⑧.

```
T̄
*#=↔ PROG=SAVE
```

4 Press ⑥ six times, then press ⧣ (→) to move the cursor to the right.

```
To□
*#=↔ PROG=SAVE
```

5 Press ⑥ four times.

```
Tom̄
*#=↔ PROG=SAVE
```

6 Press ⧣ (→) twice to enter a blank.

```
Tom □
*#=↔ PROG=SAVE
```

7 Press ⑤.

```
Tom J̄ı
*#=↔ PROG=SAVE
```

8 Press ⑥ six times, then press ⧣ (→) to move the cursor to the right.

```
Tom Jo□
*#=↔ PROG=SAVE
```

9 Press ⑥ five times.

```
Tom Jon̄
*#=↔ PROG=SAVE
```

10 Press ③ five times.

```
Tom Jonē
*#=↔ PROG=SAVE
```

11 Press ⑦ eight times.

```
Tom Jones̄
*#=↔ PROG=SAVE
```

12 When finished, press [PROGRAM/2WAY REC] (SAVE key).
• To continue with entering a phone number, see page 43, from step 5.

```
ENTER PHONE NO.
```

• While entering names, the cursor will flash on the display.

Finding Items in the Directory

The DIGITAL SP-PHONE indicator light must be off.

1 Press (DIRECTORY).

• The display will show the following.

```
SELECT LETTER
ON DIAL PAD
```

2 Press the handset dialing button of the first letter of the desired name repeatedly (see the Index table on page 47).

Ex. To find "Frank", press ③ repeatedly until the first item under "F" is displayed.

3 Press SEARCH ▽ or △ to move between items.

4 To leave the directory at any time, press (DIRECTORY).

Display

(SEND)

SEARCH ▽, △

TALK
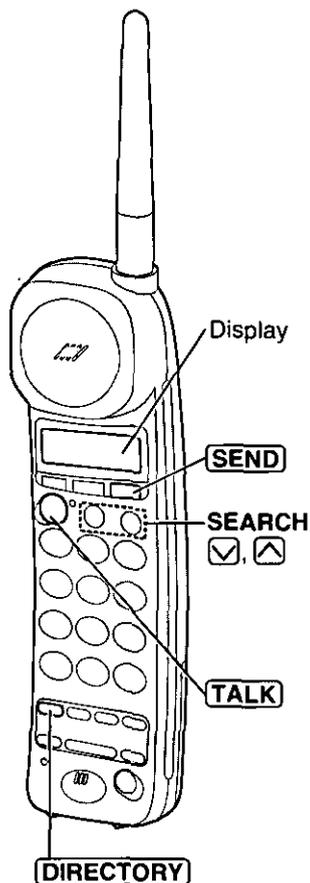
(DIRECTORY)

• In step 2, you can also use SEARCH ▽ or △ to find items in the directory.
• All directory items are sorted by the first word in alphabetical order.

Keys	Index	Keys	Index
[1]	Other symbols, 1	[6]	M, N, O, 6
[2]	A, B, C, 2	[7]	P, Q, R, S, 7
[3]	D, E, F, 3	[8]	T, U, V, 8
[4]	G, H, I, 4	[9]	W, X, Y, Z, 9
[5]	J, K, L, 5	[0]	0

Dialing from the Directory

1 Press [DIRECTORY].

```
SELECT LETTER
ON DIAL PAD
```

2 Find the directory item that you want to dial (p. 46).

```
MARY
4567890
```

3 Press [SEND].
  • The number is dialed automatically.

```
4567890
            [ ■■■ ]
```

4 To hang up, press [TALK] or place the handset on the base unit.

• During a call, you can repeat steps 1 to 3 to dial another number. This is convenient when you make a long distance call, access an answering service, etc.

Changing an Item in the Directory

The TALK and DIGITAL SP-PHONE indicator lights must be off before programming.

1 Press (PROGRAM/2WAY REC).

• The TALK indicator flashes.

```
SAVE DIRECTORY?
∨=NEXT     ∧=YES
```

2 Press **SEARCH** ☑ (NEXT key) once. Be sure "EDIT DIRECTORY?" is displayed.

```
EDIT DIRECTORY?
∨=NEXT     ∧=YES
```

3 Press **SEARCH** ☒ (YES key).

```
SELECT LETTER
ON DIAL PAD
```

4 Find the directory item you want to change (p. 46).

• The display alternates between the desired item and "EDIT ?" every few seconds.

```
Jane
1234567
```

```
EDIT ?
*=NEXT    #=EDIT
```

5 Press ⌗ (EDIT key).

a) If you need to change the name, Use the dialing buttons, ✱ (←) or ⌗ (→) (p. 44) up to 15 characters.

b) If you do not need to change the name, go to step 6.

```
JANE WALKER
*#=↔ PROG=SAVE
```

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

```
1234567
         PROG=SAVE
```

7 Enter the new number up to 16 digits.

• If you misdial, press (CLEAR). Digits are erased from the right.

• If you do not need to change the number, press (PROGRAM/2WAY REC) (SAVE key) and programming is completed. The display shows "SAVED OK".

```
0981234567
         PROG=SAVE
```

48

8 When finished, press
[PROGRAM/2WAY REC] (SAVE key).

```
SAVING...
```

- The changed item is saved and the
display shows "SAVED OK".

- To cancel programming changes, press [EXIT] before step 8.
- If 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.

Erasing an Item from the Directory

**The TALK and DIGITAL SP-PHONE indicator lights must be off
before programming.**

1 Press [PROGRAM/2WAY REC].

- The TALK indicator flashes.

```
SAVE DIRECTORY?
v=NEXT      ^=YES
```

2 Press SEARCH [v] (NEXT key) twice
until "CLR. DIRECTORY?" is displayed.

```
CLR. DIRECTORY?
v=NEXT      ^=YES
```

3 Press SEARCH [^] (YES key).

```
SELECT LETTER
ON DIAL PAD
```

4 Find the directory item you want to
erase (p. 46).
Ex. To erase "Helen"

```
Helen
1234567890
```

- The display alternates between the
desired item and "CLEAR ITEM ?"
every few seconds.

```
CLEAR ITEM ?
*=NEXT   #=CLEAR
```

5 Press [#] (CLEAR key).

- The item is erased and the display
shows "CLEAR".

```
CLEAR
```

- To cancel programming changes, press [EXIT] before step 5.

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Intercom

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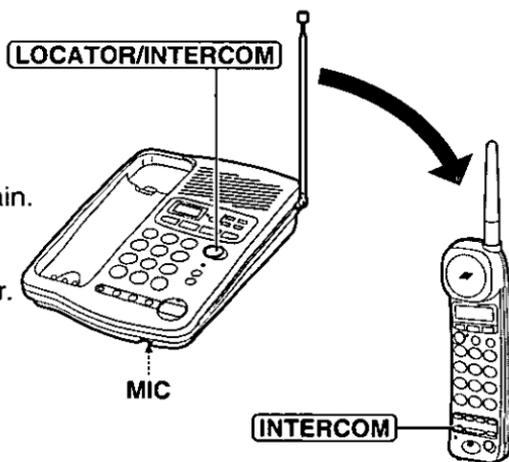
Paging the base unit from the handset

1 Handset:
Press (INTERCOM), wait for the handset to stop beeping, then talk.

• "INTERCOM" is displayed.

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

3 Handset:
To end the intercom, press (INTERCOM).

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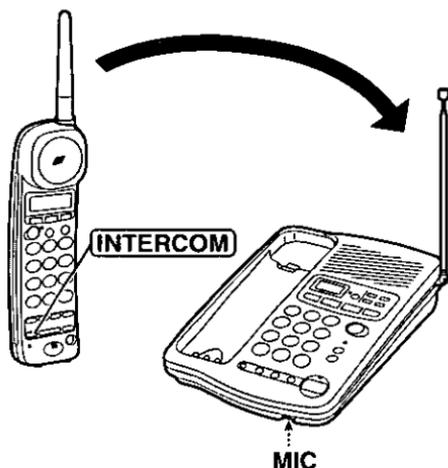
Paging the handset from the base unit (Handset locator)

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

1 Base unit:
Press (LOCATOR/INTERCOM).

• The handset beeps for 1 minute and "PAGING PRESS INTERCOM" is displayed.

• To stop paging, press (LOCATOR/INTERCOM) again.

2 Handset:
Press (INTERCOM) to answer.

• "INTERCOM" is displayed.

3 Base unit:
Talk into the MIC.

MIC

4 Handset:
To end the intercom, press (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) or (DIGITAL SP-PHONE). The intercom is ended.

Transferring a Call Using the Intercom

The intercom can be used during a call. This feature enables you to transfer a call between the handset and base unit.
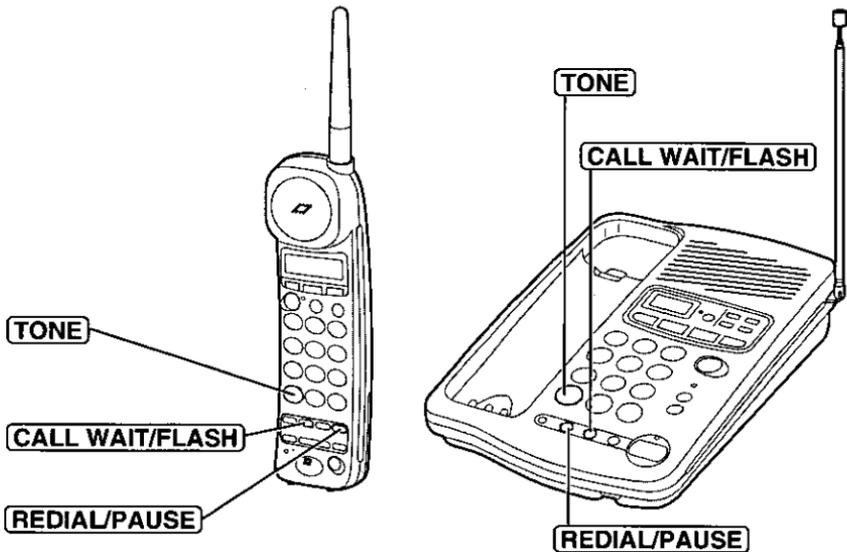
From the handset to the base unit

1 Handset:
During a call, press (INTERCOM), wait for the handset to stop beeping, then talk.

   - The call is put on hold and "INTERCOM HOLD" is displayed.
   - If the base unit user does not answer, press (TALK).

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

3 Base unit:
To answer the call, press (DIGITAL SP-PHONE).

   - The transfer is completed.
   - The handset user can join the conversation by pressing (TALK).

From the base unit to the handset

1 Base unit:
During a call, press (LOCATOR/INTERCOM).

   - The call is put on hold.
   - If the handset user does not answer, press (DIGITAL SP-PHONE).

2 Handset:
Press (INTERCOM) to answer the page.

3 Handset:
To answer the call, press (TALK).

   - The transfer is completed.
   - The base unit user can join the conversation by pressing (DIGITAL SP-PHONE).

Cordless Telephone

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Special Features

TONE

CALL WAIT/FLASH

TONE

CALL WAIT/FLASH

REDIAL/PAUSE

REDIAL/PAUSE

For Call Waiting Service Users

Press (CALL WAIT/FLASH) 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/FLASH) again.

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----" alternately.

• The second caller's information will not be displayed when:
  – you are having a conversation with the base unit,
  – the answering system is recording someone's message, or
  – a standard telephone on the same line is in use.
• Please contact your telephone company for details and availability in your area.

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 Only)

We recommend you press [REDIAL/PAUSE] between the access number for an outside line and the phone number.

- Pressing [REDIAL/PAUSE] once creates a 3.5 second pause.
  This prevents misdialing when you redial or dial a stored number.
  ([REDIAL/PAUSE] counts as one digit.)

*Cordless Telephone*

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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 14 minutes**. If messages are recorded in noisy rooms, the 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. 57).

(ANSWER ON)
and Indicator
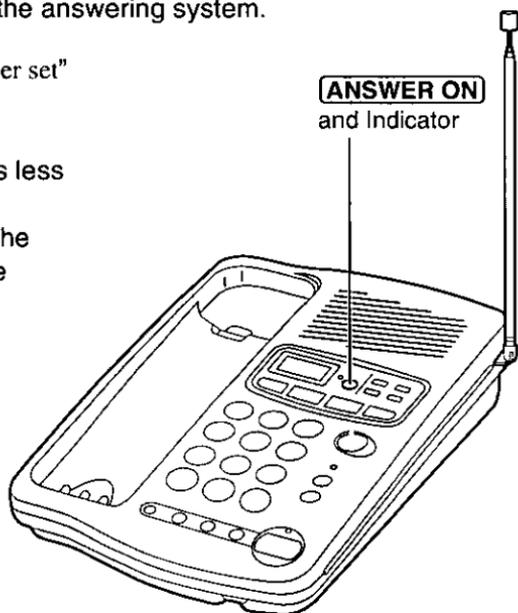
- If you do not want the unit to answer calls, press (ANSWER ON) to turn the answering system off. The indicator light goes out and "Answer off" is heard.
- You can also turn on the answering system remotely using any phone (p. 69).

Monitoring incoming calls

While a call is being recorded, you can monitor it through the speaker. To answer the call with the speakerphone, press (DIGITAL SP-PHONE). For the handset, press (TALK). The unit stops recording. (To monitor incoming calls with the handset, see page 72.)

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Listening to Messages

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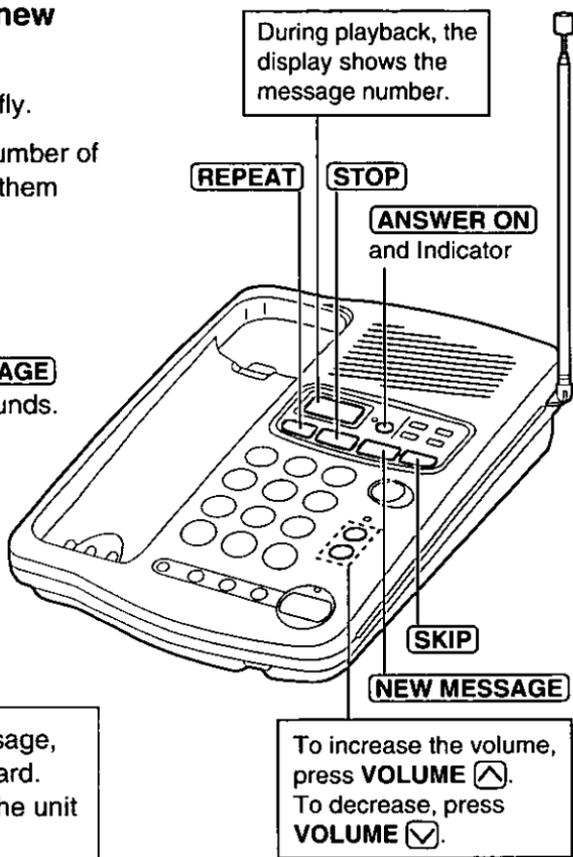
Listening to only the new messages

Press [NEW MESSAGE] briefly.

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

Listening to all of the recorded messages

Press and hold [NEW MESSAGE] firmly until a short beep sounds.

During playback, the display shows the message number.

[REPEAT] [STOP]

[ANSWER ON] and Indicator

[SKIP]

[NEW MESSAGE]

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.

To increase the volume, press VOLUME [∧]. To decrease, press VOLUME [∨].

Answering System

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.

➡ Listening to Messages

During playback

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

For Caller ID service users (p. 34)

• During playback, if you lift the handset off the base unit, the handset display will show the caller's name and/or number whose message is being played.

To call back the displayed number:

1. During playback, lift the handset off the base unit.

2. Press (SEND) within 10 seconds.
   – The unit stops playback and automatically dials the displayed phone number.

Display

SEND
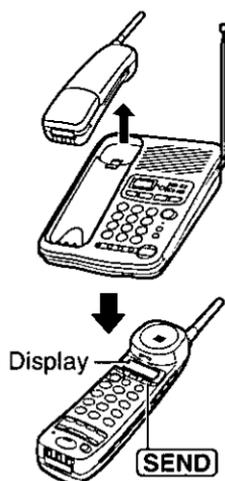
To resume playback, press (NEW MESSAGE).
To turn on the answering system, press (ANSWER ON).

• Even after you listen to the new incoming messages, the calls will remain as NEW in the Caller ID Caller List until you check them (p. 36).

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 on the base unit.
– 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 short beep will sound and the unit will continue 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.

(ERASE)

2 Within 5 seconds, press (ERASE) again.

• A long beep and "No messages" are heard. The base unit display shows "0".
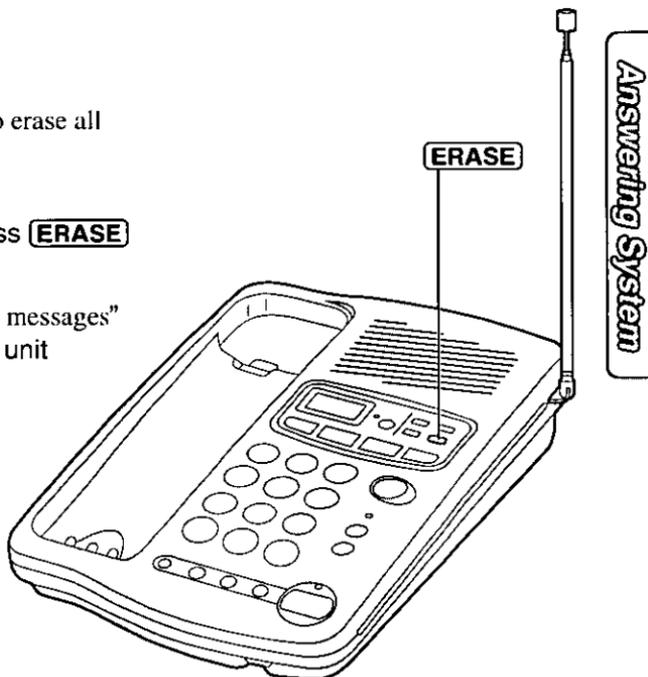
• The information in the caller list will not be erased.
To erase the caller list information, see page 41.

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 base unit display shows the elapsed recording time.

**3** When finished, press (STOP).
   • A beep sounds.

STOP

MEMO

MIC
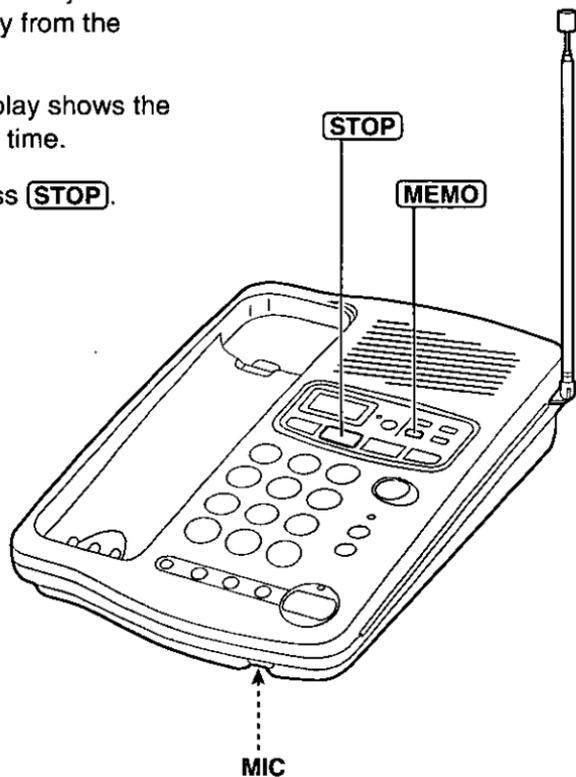
Pager Call

■➡

This feature allows you to alert your pager when the unit records an incoming message or receives Caller ID data (p. 62). You can retrieve the message from a touch tone telephone (p. 64). If you subscribe to a Caller ID service, the caller's telephone number will be displayed on your pager. First, program the following settings (p. 59-62), then turn on the pager call mode. **The TALK and DIGITAL SP-PHONE indicator lights must be off before programming.**

Storing the Pager Number

1 Press (PROGRAM/2WAY REC).

• The TALK indicator flashes.

2 Press (SCREEN/PLAYBACK).

• The button lights.
• "P" is displayed on the base unit.

3 Press #.

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

• The entered number is displayed on the base unit.
• If you misdial, press (EXIT) then start from step 1.
• You can enter a total of 44 digits.

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

• The indicator and button lights go out.

(EXIT)

TALK Indicator

(REDIAL/PAUSE)

(PROGRAM/2WAY REC)

(SCREEN/PLAYBACK)
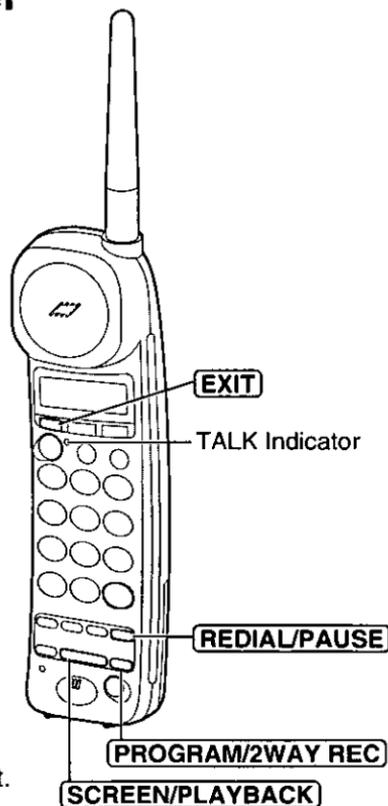
Answering System

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

• If you use a 1-800 number with your PIN code, press (REDIAL/PAUSE) 3 times between the 1-800 number and your PIN code.
• If the line has rotary or pulse service, press * after pressing (REDIAL/PAUSE) in step 4.

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Storing Your Home Telephone Number

Store your home telephone number. Then, the number will be displayed on your pager when your family wants you to call home. (See the useful information on page 61.)

1 Press (PROGRAM/2WAY REC).

• The TALK indicator flashes.

2 Press (SCREEN/PLAYBACK).

• The button lights.
• "P" is displayed on the base unit.

3 Press ⑦.

4 Enter your home telephone number up to 10 digits.

• The entered number is displayed on the base unit.
• If you misdial, press (EXIT) then start from step 1.

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

• The indicator and button lights go out.

(EXIT)

TALK Indicator

(PROGRAM/2WAY REC)

(SCREEN/PLAYBACK)
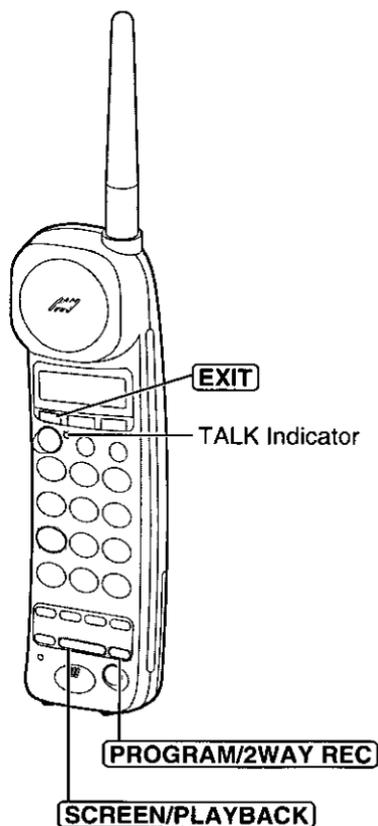
• Your pager will also display your home number when the unit receives a call from an area which does not provide the Caller ID service or the caller requests not to show their information. Please call your home to check if your family alerted your pager.

To confirm the stored pager and home numbers

Press [TALK] ➡ [SCREEN/PLAYBACK] ➡ [#].

• The unit dials the stored pager number and the pager beeps.
• The pager displays "00"* and your home number.
• If the pager does not beep or does not display "00" and your home number, store the pager and home numbers again (p. 59, 60).

Useful Information
Your family can let you know when they want you to call home by performing the above procedure.

* **What "00" means**
When the unit alerts your pager, "00" will be displayed before the caller's telephone number. "00" will not be displayed when another phone alerts your pager.
Ex. When the unit records a caller's message whose number is "12345678":
"0012345678" will be displayed on your pager.
Ex. When the caller alerts your pager directly to call back "12345678":
"12345678" will be displayed on your pager.

To erase the stored pager number

Press [PROGRAM/2WAY REC] ➡ [SCREEN/PLAYBACK] ➡ [#] ➡
➡ [PROGRAM/2WAY REC].

To erase the stored home telephone number

Press [PROGRAM/2WAY REC] ➡ [SCREEN/PLAYBACK] ➡ [7] ➡
➡ [PROGRAM/2WAY REC].

Answering System

Pager Mode Setting

After subscribing to a Caller ID service (p. 34), you can select one of the following pager mode settings. The unit will alert your pager:

> 1. after the unit records an incoming message (factory preset),
>   OR
> 2. each time the unit receives Caller ID data, even if the caller does not leave a message.

If you want to change the setting, proceed as follows.

1 Press (PROGRAM/2WAY REC).

• The TALK indicator flashes.

2 Press (SCREEN/PLAYBACK).

• The button lights.
• "P" is displayed on the base unit.

3 Press (6).

4 To select "2", press (2).
   OR
   To select "1", press (1).

• The entered number is displayed on the base unit.

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

• The indicator and button lights go out.

TALK Indicator

(PROGRAM/2WAY REC)
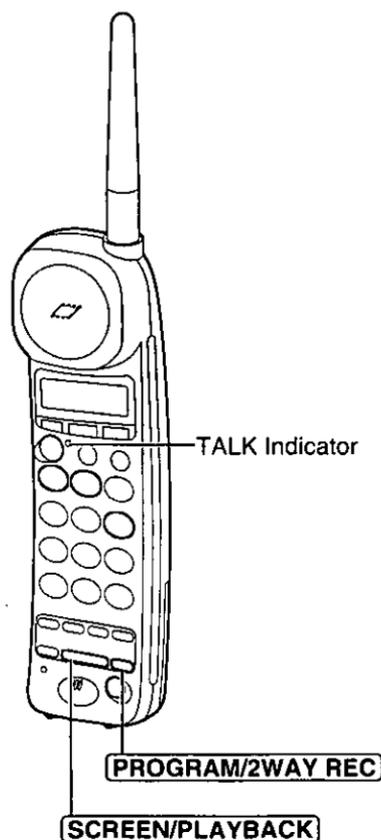
(SCREEN/PLAYBACK)

• If you select "2", the unit will not alert your pager when Caller ID data which does not have a phone number is received.

Setting the Unit to Call a Pager

1 Press (SCREEN/PLAYBACK).

- The button lights.
- The number of new messages is heard on the handset.

2 Press ③.

- "On" is heard and "*PAGER*" is displayed on the base unit.
- If 6 beeps sound, the pager number is not stored. Store the number, then try again.

3 When finished, press (SCREEN/PLAYBACK).

- The button light goes out.

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

(SCREEN/PLAYBACK)

If you have not subscribed to a Caller ID service, the caller's telephone number will not be displayed on your pager.

- If another message is received before the unit alerts your pager for a previous message, the previous caller information will not be sent to your pager.
- If someone else makes or answers another call with the unit or a parallel connected phone before the unit alerts your pager for a previous message, the unit will stop alerting your pager for that message.
- When you receive a caller's telephone number in your pager but can not recognize the caller, you may have received a direct inward dial (DID) call, such as from a PBX. Please call your unit to check the caller's message.

Answering System

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. 66).

• To skip the voice menu and operate
the unit directly, see page 68.
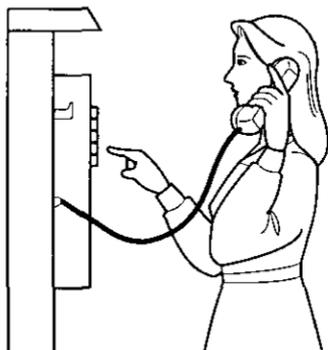
Summary of the remote operation

Call your unit from a touch tone phone.

↓

During/after the greeting message playback, enter your remote code (p. 65). • The number of new messages is heard.

↓

After 3 seconds, the voice menu will start (p. 66). Follow the menu or enter the direct commands (p. 68).

↓

| To end the remote operation, hang up.
• The messages are saved. |
| --- |

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 number is "**11**". If you do not program your own remote code number, you can use "11".
The TALK and DIGITAL SP-PHONE indicator lights must be off before programming.

1 Press [PROGRAM/2WAY REC].
  • The TALK indicator flashes.

2 Press [SCREEN/PLAYBACK].
  • The button lights.
  • "P" is displayed on the base unit.

3 Press [1].
  • The current remote code is displayed on the base unit.

4 Enter a remote code by using a **2-digit number (00-99)**.
  • The entered number is displayed on the base unit.

5 When finished, press [PROGRAM/2WAY REC].
  • The indicator and button lights go out.

TALK Indicator

[PROGRAM/2WAY REC]
[SCREEN/PLAYBACK]
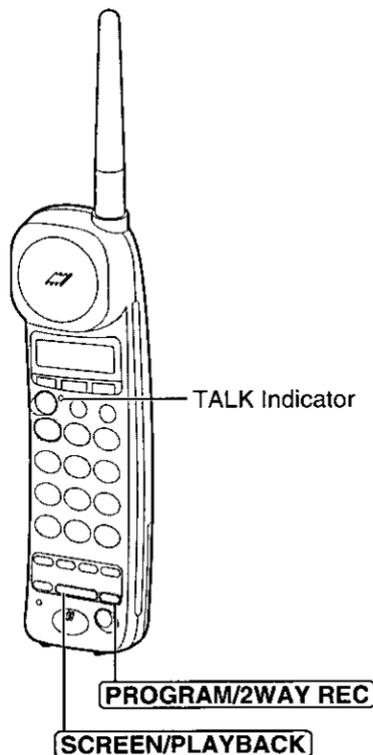
  • If 6 beeps sound in step 5, you entered a one digit number. Restart from step 1 to program a 2-digit number.
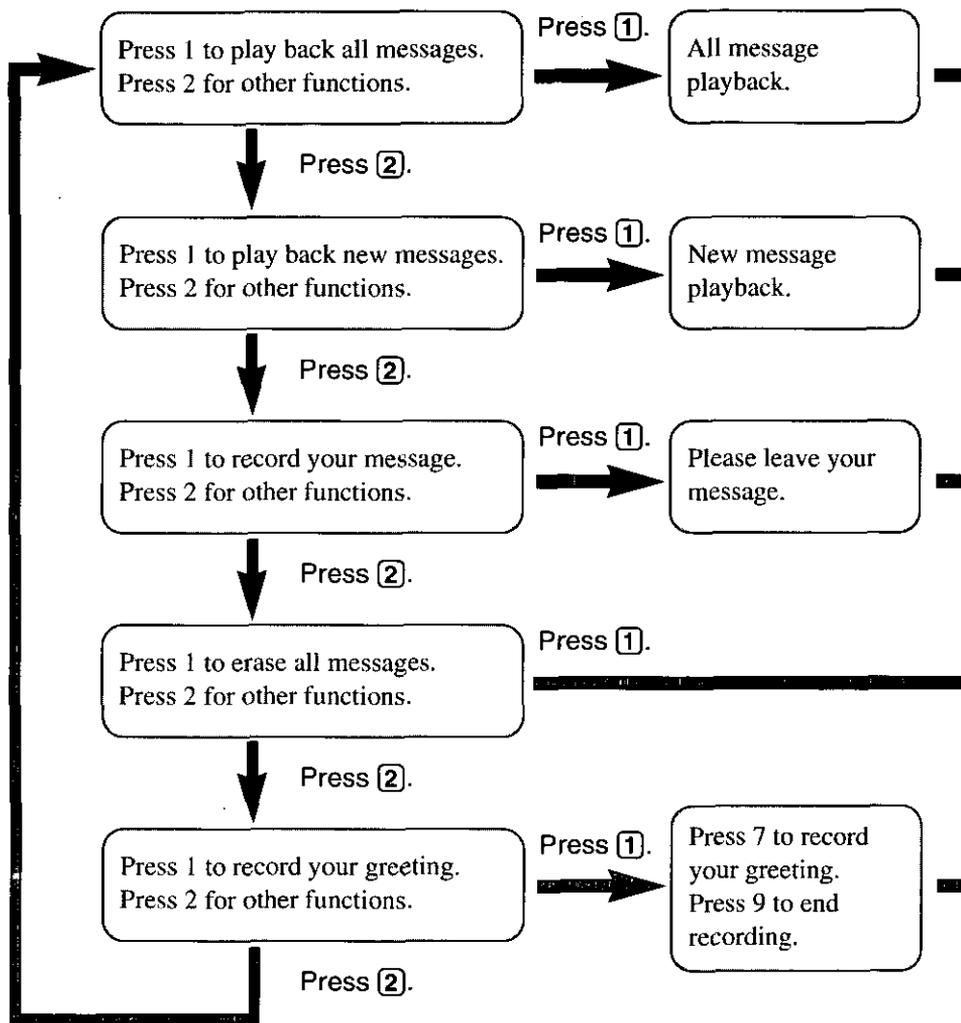
To check the remote code

Press [PROGRAM/2WAY REC] ➡ [SCREEN/PLAYBACK] ➡ [1].
The current remote code is displayed on the base unit.
When finished, press [PROGRAM/2WAY REC].

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.

Erase 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. 68).

Answering System

→ Remote Operation from a Touch Tone Phone

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 short beep will sound and the next message is played.
ERASING ALL MESSAGES	✳ 5	• All of the recorded messages are erased. • A long beep and "No messages" are heard.

PAGER CALL ON/OFF	3	• Each time you press 3, "on/off" is heard and the mode will turn on/off. • 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 a 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.
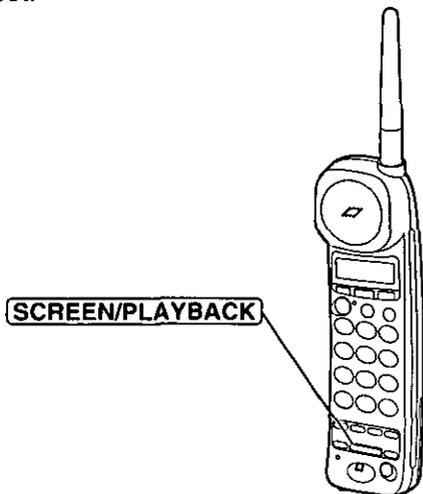
SCREEN/PLAYBACK

Summary of the remote operation

Press (SCREEN/PLAYBACK).
- The button lights.
- The number of new messages is heard.
- "REMOTE OPERATION" is displayed on the handset.

- If the (SCREEN/PLAYBACK) button light 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. 71).
- 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. 71).

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 short beep will sound and the next message is played.
ERASING ALL MESSAGES	✳ 5	• All of the recorded messages are erased. • A long beep and "No messages" are heard.

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➡ Remote Operation with the Handset

PAGER CALL ON/OFF	**3**	• Each time you press **3**, "on/off" is heard and the mode will turn on/off. • 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) button light flashes.
ANSWERING SYSTEM ON	**8**	• The (SCREEN/PLAYBACK) button lights.

Monitoring incoming calls with the handset

When an incoming message is being recorded, the (SCREEN/PLAYBACK) button light flashes slowly.

1. Press (SCREEN/PLAYBACK).

   • The button 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) button lights.

2. Continue your conversation.

3. When finished recording the conversation, press (PROGRAM/2WAY REC).

   • The (SCREEN/PLAYBACK) button 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
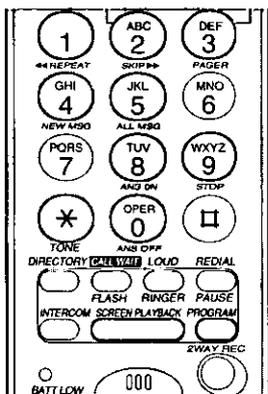
- If the SCREEN/PLAYBACK button light flashes when you press **SCREEN/PLAYBACK**, the answering system is off. To turn it on, press ⑧.

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

➡ Remote Operation Card

Press **SCREEN/PLAYBACK.**

↓

- **To erase a specific message**, press ✱④ during the message playback.
- **To erase all messages**, press ✱⑤.
- **To turn on/off the pager call feature**, press ③.
- **To turn off the answering system**, press ⓪.

↓

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

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

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

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

- **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.

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

- **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.
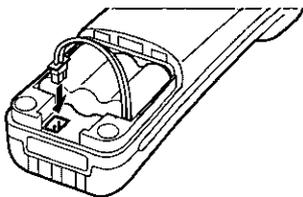
Battery Replacement

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
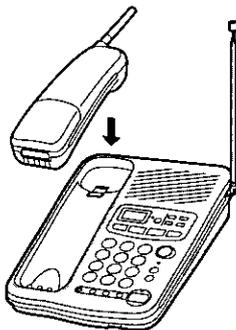1-800-211-PANA(7262). To prevent memory loss, replace within 5 minutes.

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
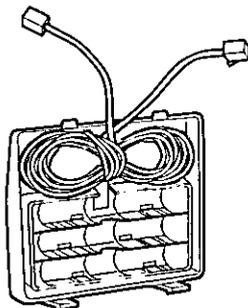recycle this battery.

R B R C

N i - C d
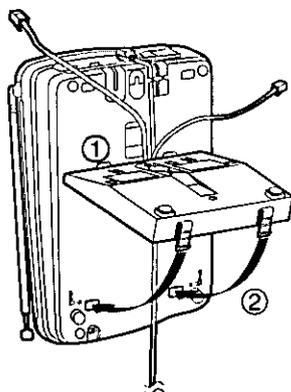
Wall Mounting

This unit can be mounted on a wall phone plate.

1 Connect the AC adaptor.

To Power
Outlet
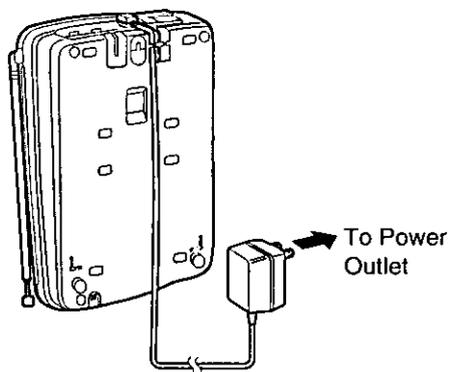
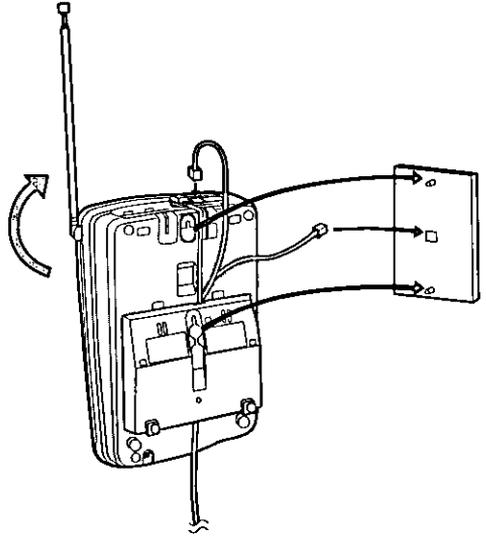**2** Tuck the telephone line cord inside the wall mounting adaptor.

3 ① Insert the tabs of the wall mounting adaptor into the "WALL" unit openings.

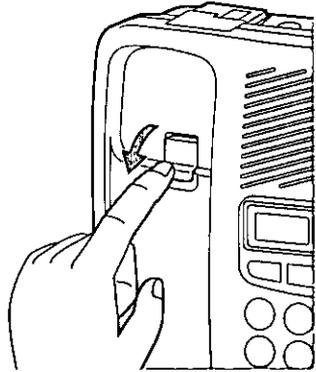② Push the adaptor in the direction of the arrow.

• "UP WALL" should face upward.

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

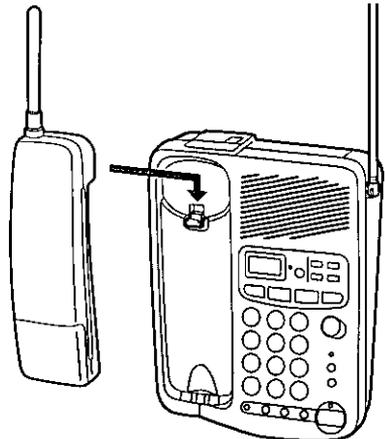• Extend the antenna fully.

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.

Useful Information

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Before Requesting Help

Cordless Telephone

Problem	Remedy
"OUT OF RANGE" is displayed and an alarm tone sounds when you press [TALK], [INTERCOM] or [SCREEN/PLAYBACK].	• 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. 29).
The base unit does not ring.	• The ringer volume is set to OFF. Press [HOLD/RINGER] briefly while the DIGITAL SP-PHONE indicator light is off (p. 32).
The handset display is blank.	• The handset is in stand-by mode (p. 14). Press **SEARCH** ⊽ or ⊼ to turn the display on.
The handset display is still blank after pressing **SEARCH** ⊽ or ⊼.	• Charge the battery fully (p. 13).
You cannot program items, such as the dialing mode.	• Programming is not available while the unit is in talk, speakerphone or intercom mode. • Do not pause for over 60 seconds while storing.
A short high pitched noise is heard when a second call is received.	• This is normal.

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Problem	Remedy
You cannot store a name and phone number in the directory.	• You cannot store a name and number while the unit is in talk, speakerphone or intercom mode. • 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) or (DIGITAL SP-PHONE). Start from the beginning after hanging up.
The unit does not display the caller name and/or phone number.	• Other telephone equipment may be interfering with your phone. Disconnect them and try again. • Other electrical appliances connected to the same outlet may be interfering with the Caller ID information. Telephone line noise may be affecting the Caller ID information.
The handset display goes blank while viewing the Caller List or directory items.	• Do not pause for over 60 seconds while searching. • (DIGITAL SP-PHONE) was pressed.
(LOCATOR/INTERCOM) does not function.	• The handset is too far from the base unit. • The handset is engaged in an outside call or is viewing the Caller List or directory items. 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. 26, 31). If another number has been dialed first, it will operate as a pause button (p. 53).

Useful Information

➡ 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. 21). • Memory is full. Erase some or all of the messages (p. 57).
" **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. 57). If " **FULL** " is still displayed and the ANSWER ON indicator flashes rapidly, erase your greeting message and re-record a shorter greeting (p. 18, 19).
Some incoming messages have not been recorded completely.	• Set the CPC function to "b" (p. 25).
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. 69).
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. • The unit is recording a message. To answer the call, press (TALK).

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| Problem	Remedy
While recording a greeting message, the unit starts to ring and stops recording.	• To answer the call, press [DIGITAL SP-PHONE] or press [TALK]. The recording is stopped halfway. Start from the beginning after hanging up.
During playback, the unit starts to ring and stops playback.	• To answer the call, press [DIGITAL SP-PHONE] or press [TALK]. To resume playback, press [NEW MESSAGE] after hanging up.
The handset does not display the caller's name and/or number whose message is being played.	• Place the handset on the base unit correctly, then lift up the handset (p. 56). • If the caller is not stored in the caller list, the handset will not display the caller's information.

☞ Before Requesting Help

General

Problem	Remedy
The unit does not work.	• Check the settings (p. 12-17). • Charge the battery fully (p. 13). • Clean the charge contacts and charge again (p. 14). • Place the handset on the base unit and unplug the AC adaptor to reset. Plug in, then try again. • Re-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. 20).	• Programming is not available while the unit is in talk, speakerphone or intercom mode. • Move closer to the base unit.
The BATT LOW indicator flashes or the unit beeps intermittently.	• Charge the battery fully (p. 13).
You charged the battery fully, but the BATT LOW indicator flashes.	• Clean the charge contacts and charge again (p. 14). • Install a new battery (p. 75).
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).

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.
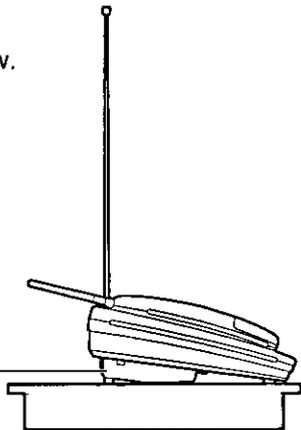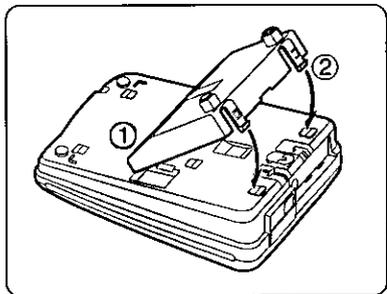
• It is not necessary to pull down the handset hook (p. 6).

Adding Another Phone

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

Standard Telephone

Single-Line
Telephone Jack

Telephone
Line Cord

T-Adaptor
(KX-J66)
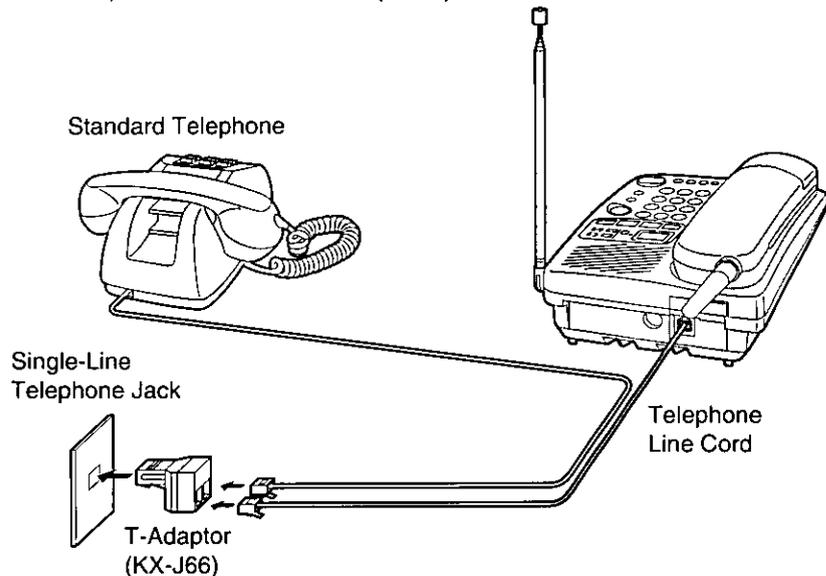
Important Safety Instructions

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

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.

- **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.
- **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.

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。

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

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