

Panasonic

Cordless Phone

Model No. KX-TCC116-B

Pulse-or-tone dialing capability

Operating Instructions



SOUND CHARGER
P.L.U.S.

25
CHANNEL

Caller ID Compatible

PLEASE READ BEFORE USE AND SAVE.

Charge the battery for about 3 hours before initial use.

Preparation

Basic Operation

Advanced Operation

Useful Information

Before Initial Use

Please read **IMPORTANT SAFETY INSTRUCTIONS** on pages 54-55 before use. Read and understand all instructions.

Thank you for purchasing the Panasonic cordless telephone.

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

Attach your purchase receipt here.

For your future reference

Serial No. _____

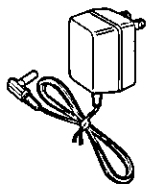
Date of purchase _____

(found on the bottom of the unit)

Name and address of dealer _____

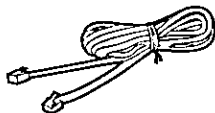
Accessories To order accessories, call 800-211-PANA (7262).

AC Adaptor (p. 10)
Part No. KX-A11-6



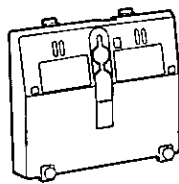
one

Telephone Line
Cord (p. 10)



one

Wall Mounting
Adaptor (p. 46, 48)

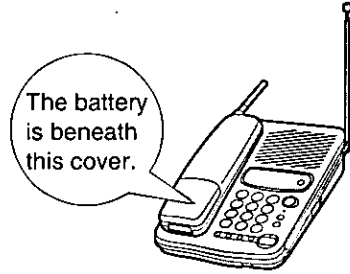


one

For Best Performance

Battery Charge

A rechargeable Ni-Cd battery powers the handset. Charge the battery for about **3 hours** before initial use (p. 11).

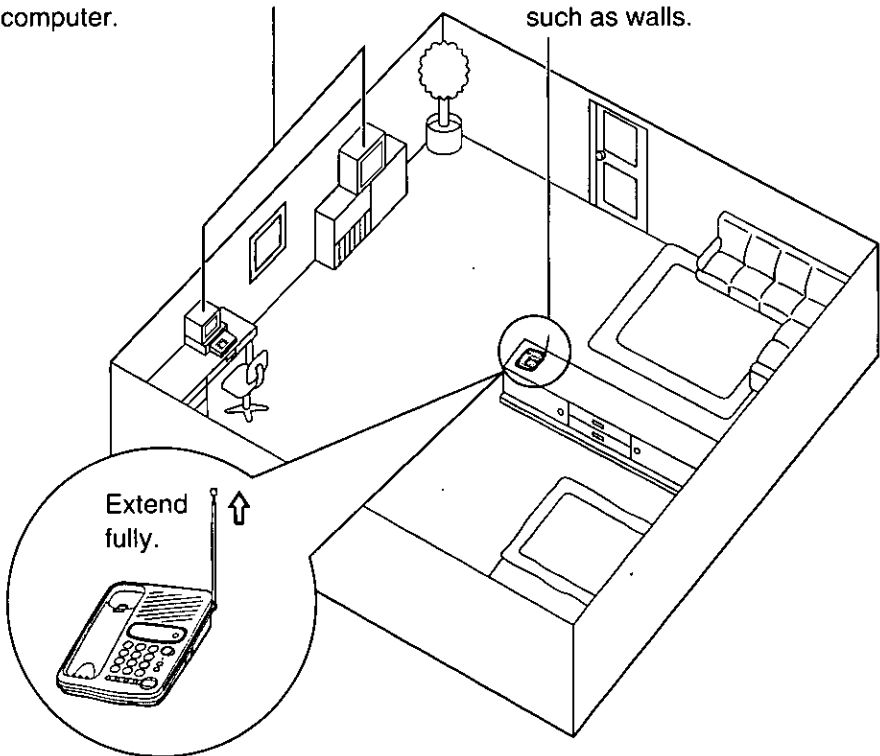


Operating Distance/Noise

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.



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Preparation

Basic Operation

Useful Information

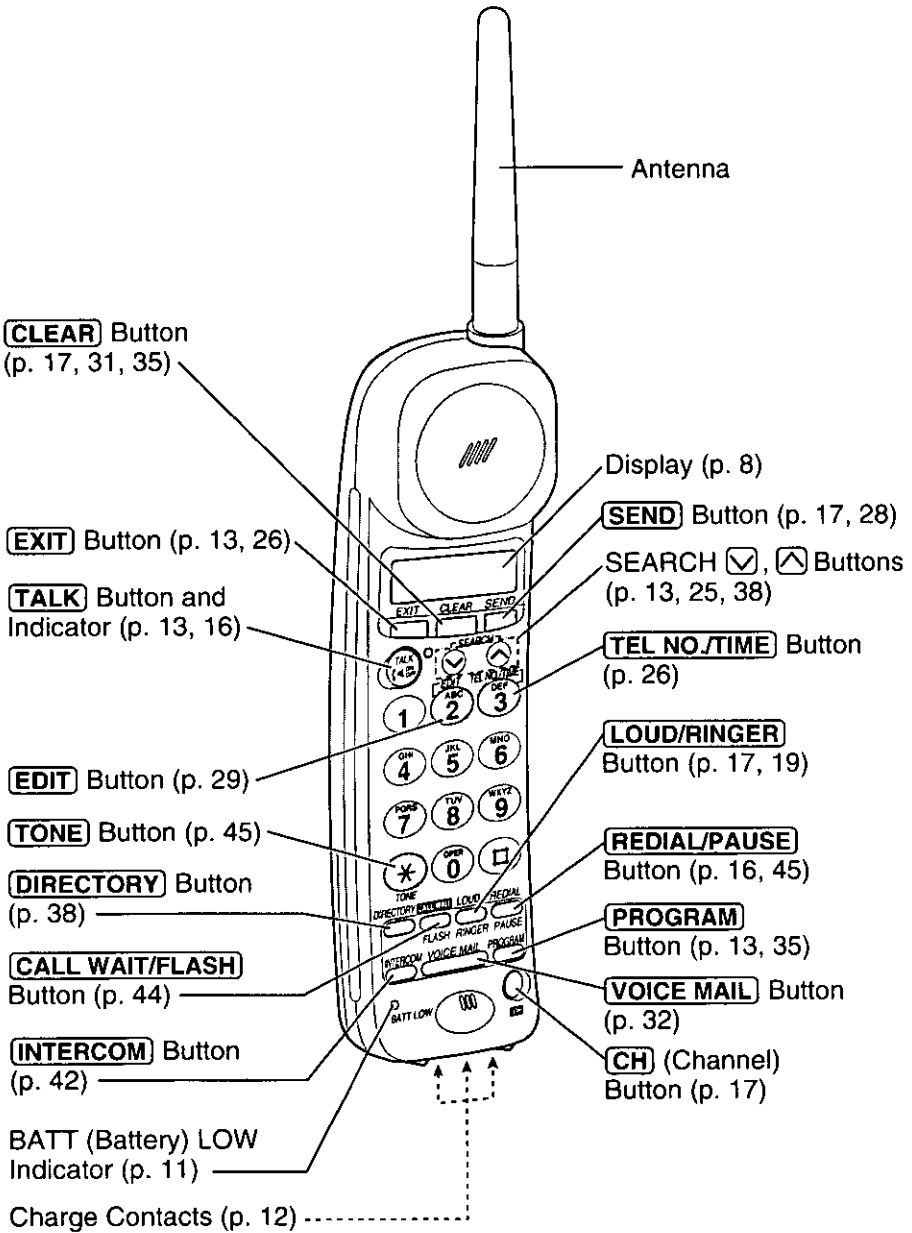
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Advanced Operation

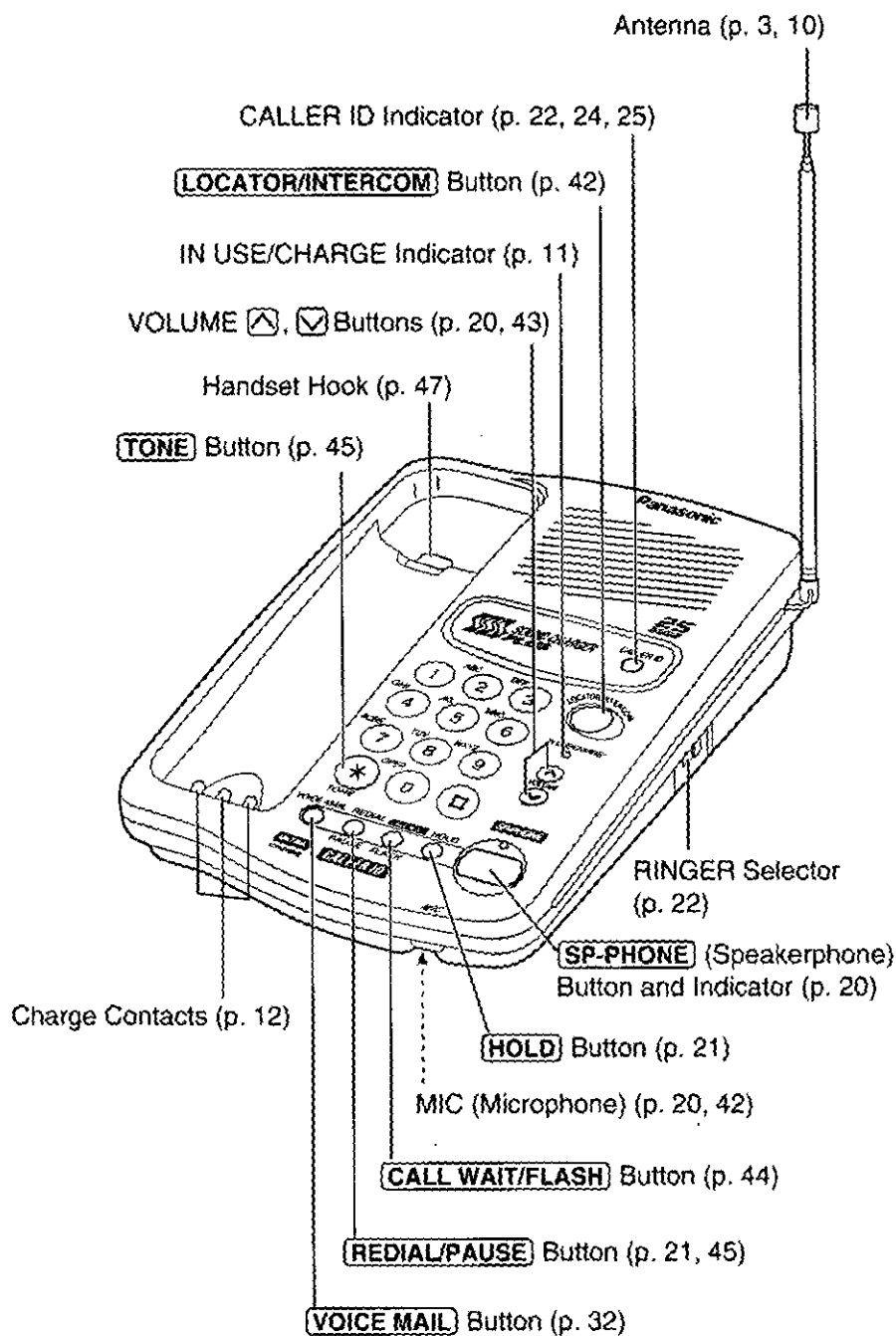
Useful Information

Location of Controls

Handset



Base unit



Handset Display

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

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. 25). To search from the most recent call, press **SEARCH** (NEW key).

To search from the oldest call, press **SEARCH** (OLD key) (p. 26).

1112222
01-06-35 {000}

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. 11).

OUT OF RANGE

The handset has lost communication with the base unit (p. 17).

SAVE ERROR

While programming, the handset lost communication with the base unit (p. 13, 30, 33, 35).

PAGING
PRESS INTERCOM

The base unit is paging the handset (p. 42).

INTERCOM
00-00-07 {000}

The handset and the base unit are in intercom mode (p. 42).

INTERCOM HOLD
00-01-12 {000}

An outside call has been put on hold by the handset user in intercom mode. To release the hold, press **TALK** or **SP-PHONE** (p. 43).

SUSAN HAMMER
----WAITING----

A second call is received during a conversation (p. 44).

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 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. 30).

NOT AVAILABLE

SEARCH or , **PROGRAM** or **DIRECTORY** was pressed while the base unit was engaged in an outside call.

ANNE
1234567890

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

NO ITEM STORED

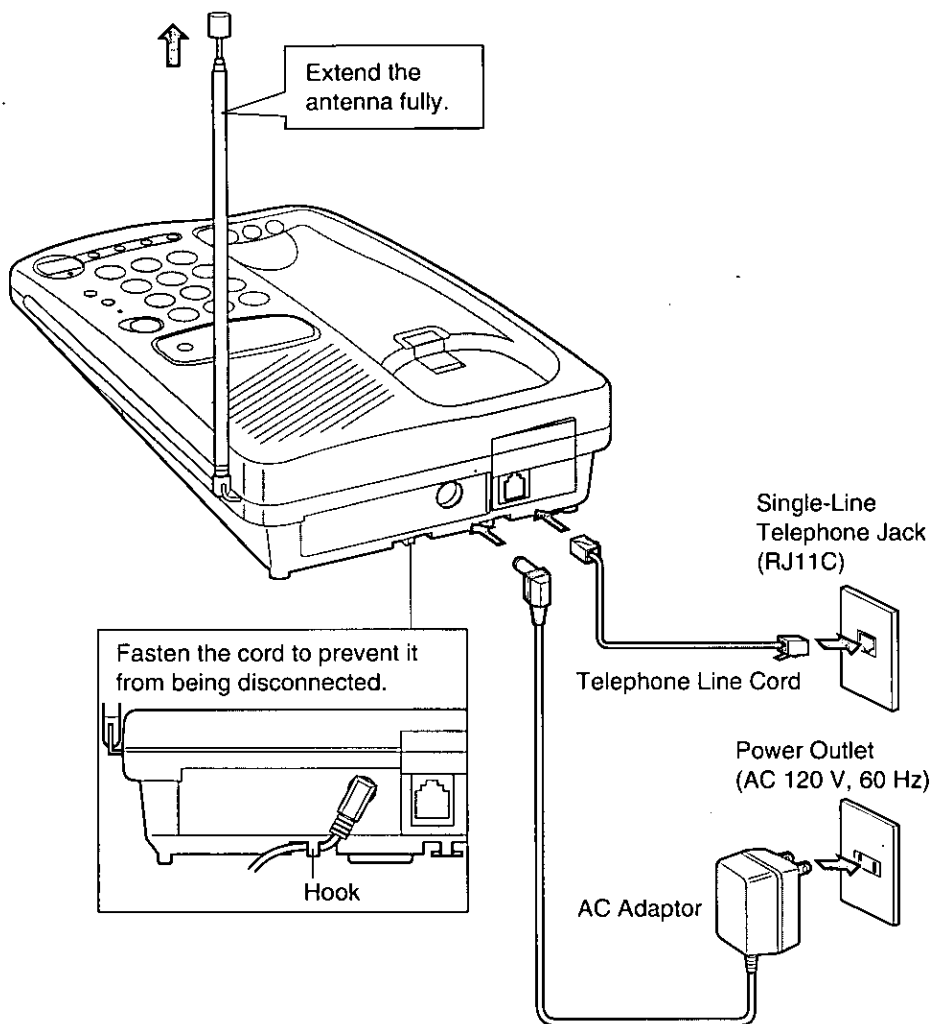
There are no stored items in the dialing button you pressed in the directory.

MEMORY IS FULL
#=CLEAR

While trying to store an item in memory, the directory memory is full (p. 35).

Settings

Connections



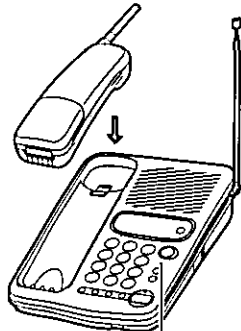
- USE ONLY Panasonic AC ADAPTOR KX-A11.
- The AC adaptor must remain connected at all times. (It is normal for the adaptor to feel warm during use.)
- To connect a standard telephone on the same line, see page 53.
- Do not connect a unit which can detect voice mail on the same line with this unit.
- If your unit is connected to a PBX which does not support Caller ID and voice mail services, you cannot access these 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/directory items, programming, etc.

After using the handset, the battery strength will be displayed for 5 seconds and the display will return to stand-by mode (see the next page).

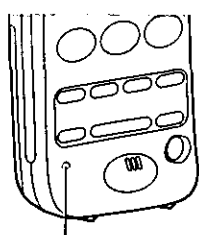
The battery strength is as shown in the chart below.

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



BATT LOW Indicator

Battery information

If your Panasonic battery is fully charged:

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

- Battery life may be shortened depending on usage conditions, such as:
 - when viewing the Caller ID Caller List/directory items,
 - when the **VOICE MAIL** button on the handset flashes, 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/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 **using the handset close to 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 SP-PHONE indicator lights must be off before programming.

1 Press **PROGRAM**.

- The TALK indicator flashes.

SAVE DIRECTORY?
∨=NEXT ∧=YES

2 Press **SEARCH** (NEXT key) 5 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. 24). Then incoming calls from the same area code will be recorded in the Caller List without area code. You do not have to remove the area code before calling back or storing. Also, when incoming calls from a different area code are received, "1" will be added before the area code automatically.

The TALK indicator light must be off before programming.

1 Press **PROGRAM**.

- The TALK indicator flashes.

SAVE DIRECTORY?
√=NEXT ^=YES

2 Press **SEARCH** (NEXT key) 4 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** (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**.

2. Press **SEARCH** (NEXT key) 4 times.

3. Press **SEARCH** (YES key).

4. Press **CLEAR**.

5. When finished, press **PROGRAM** (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**.

- The TALK indicator flashes.

SAVE DIRECTORY?
∇=NEXT ^=YES

2 Press **SEARCH** (NEXT key) 6 times until "TALK SWITCHING?" is displayed.

TALK SWITCHING?
∇=NEXT ^=YES

3 Press **SEARCH** (YES key).

AUTO TALK
∇=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.

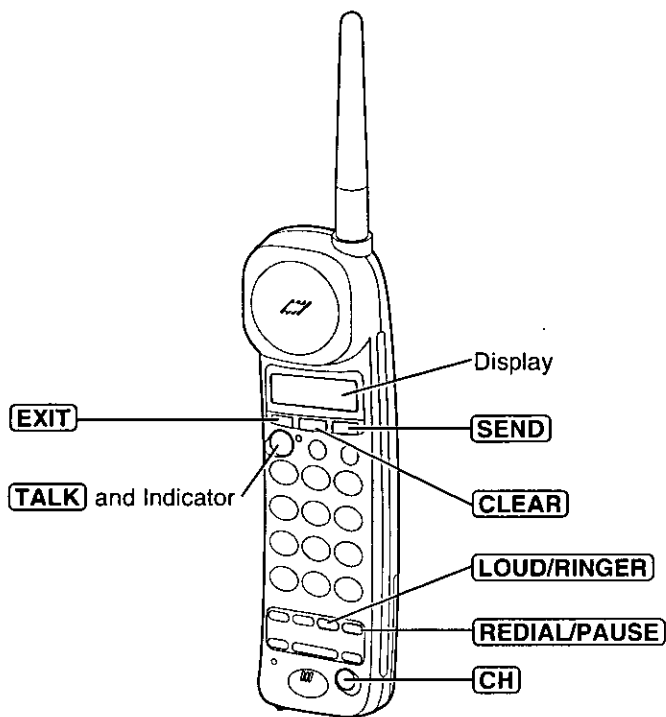
AUTO TALK	ON
-----------	----

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.

Making/Answering Calls

Making Calls with the Handset



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.

1112222	CH12
---------	------

1112222	
00-00-00	{000}

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 a phone number.
 - If you misdial, press **CLEAR**.
Digits are erased from the right.
 - To cancel, press **EXIT**.
- 2 Press **SEND**.
 - After a few seconds, the display will show the length of the call.
- 3 To hang up, press **TALK** or place the handset on the base unit.

1112222
(000)

1112222
CH12

1112222
00-00-00 (000)

To redial after confirming the last number dialed

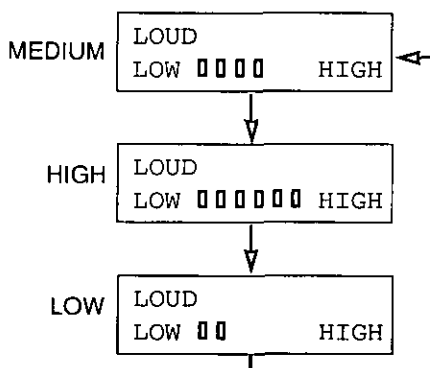
Press **REDIAL/PAUSE** ⇌ **SEND**.

- 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 while talking

Press **LOUD/RINGER**.

- 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.



If noise interferes with the conversation

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

1112222
00-01-30 CH10

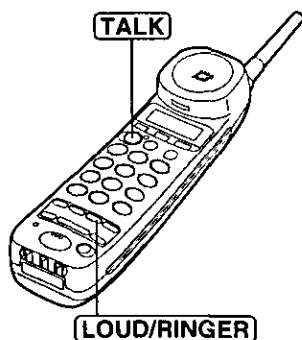
- The selected channel number is displayed.

Answering Calls with the Handset

If you subscribe to a Caller ID service, the calling party information will be displayed after the first ring (p. 24). Please wait until the second ring to answer a call in order to view Caller ID information.

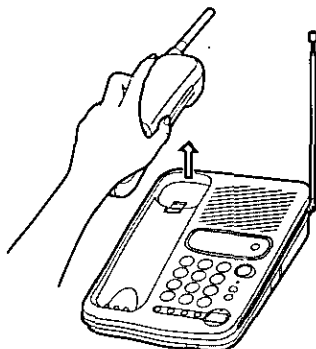
- 1 Press **TALK**.
 - You can also answer a call by pressing any dialing button 0 to 9, *, or # (— **Any Key Talk**).

- 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. 15), you can answer a call by lifting the handset off the base unit without pressing **TALK**.

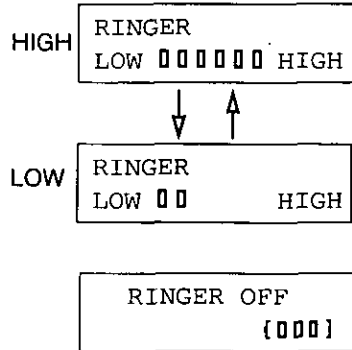




Adjusting the handset ringer volume

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.)



- To turn the ringer **OFF**, press and hold **LOUD/RINGER** until 2 beeps sound.

“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 keypad

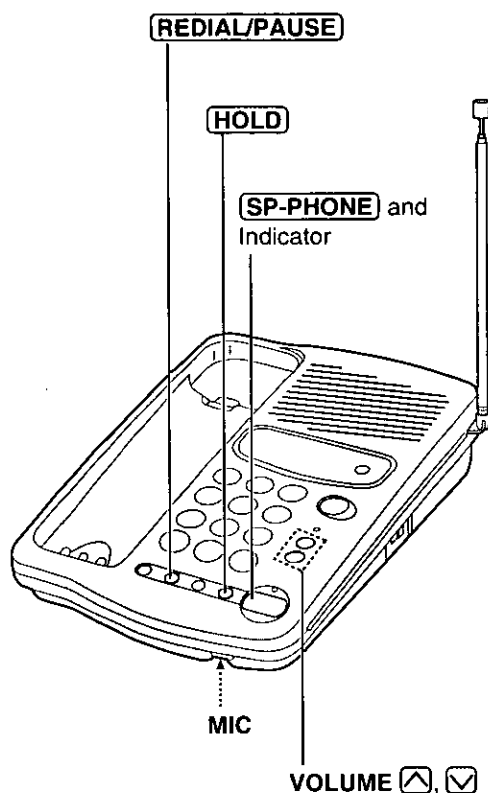
The dialing buttons will light while dialing and flash when a call is received. The lights will go out about 10 seconds after dialing or answering a call.


Lighted display

The lighted display will stay on for about 10 seconds after pressing a handset button or answering a call.

Making Calls with the Base Unit

- 1 Press **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 **SP-PHONE**.
 - The indicator light goes out.



- For best speakerphone performance, use in a quiet room and speak alternately with the caller.
- If the other party has difficulty hearing you, press **VOLUME**  to decrease the speaker volume. Decreasing the speakerphone volume will increase the microphone sensitivity.
- 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 (12 levels) while talking

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

To redial the last number dialed on the base unit

Press **SP-PHONE** \Rightarrow **REDIAL/PAUSE**.

To put a call on hold

Press **HOLD**.

- The SP-PHONE indicator flashes.
- After 6 minutes, a warning tone will sound.
After a total of 10 minutes, the call will be disconnected.

To release the hold

For the base unit, press **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. 53), you can also release the hold by lifting its handset.

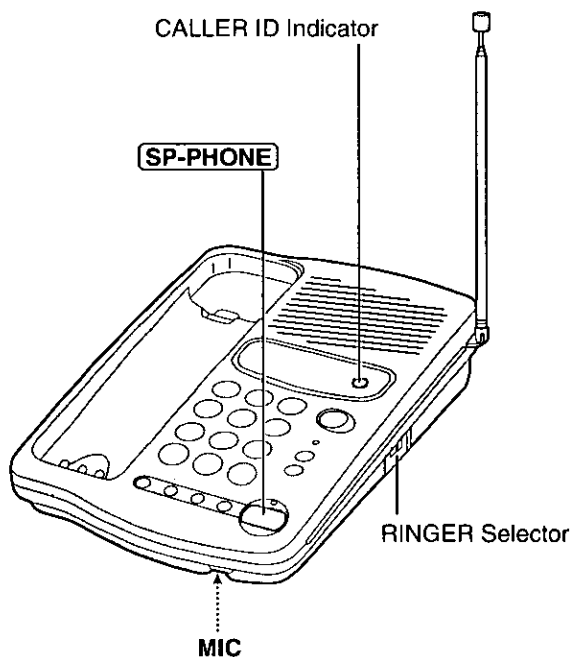
Answering Calls with the Base Unit

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

1 Press **SP-PHONE**.

2 Talk into the **MIC**.

3 To hang up, press **SP-PHONE**.



To select the base unit ringer volume

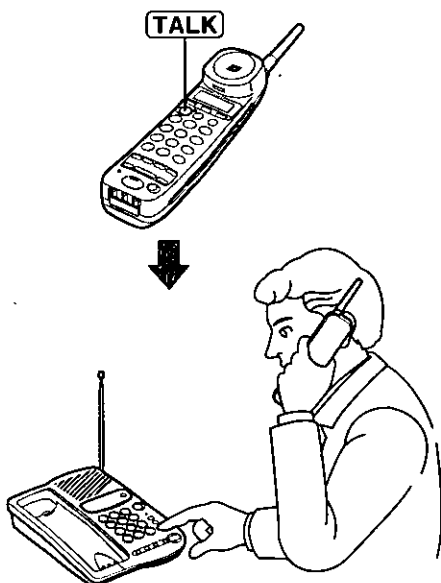
Set the RINGER selector to HIGH, LOW, or OFF.

- When set to OFF, the base unit will not ring.

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 a phone number while hearing a 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 services, 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 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 numbers 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 (p. 44).

How caller information is displayed when a call is received

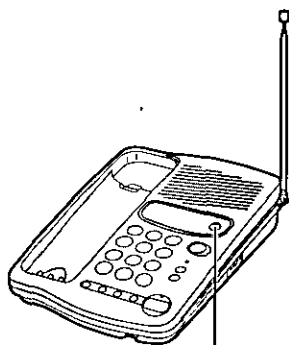
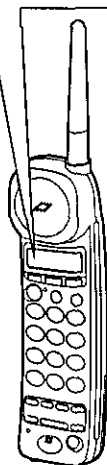
When a call is received, the display shows the caller's name and number after the first ring.

TINA ROBINSON
1-000-222-3333



After you answer the call, the display will show the caller's name and the length of the call.

TINA ROBINSON
00-00-00 {000}



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

- In some cases, caller information cannot be displayed. The 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

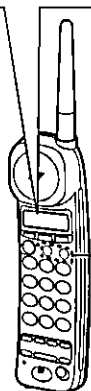
While the handset is off the base unit:

Press **SEARCH** or to turn the display on.

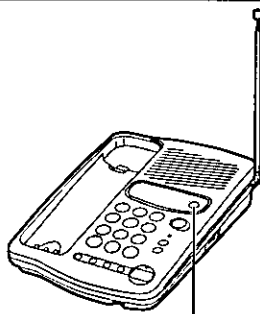
For example, if you have received 10 new calls, the display will show the following.

10 NEW CALLS
 √=NEW ^=OLD

- After about 10 seconds, the display will change to stand-by mode when lifting the handset off the base unit.



SEARCH



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

Using the Caller List

Viewing the Caller List

To confirm who has called you, follow the steps below.

The TALK and 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).

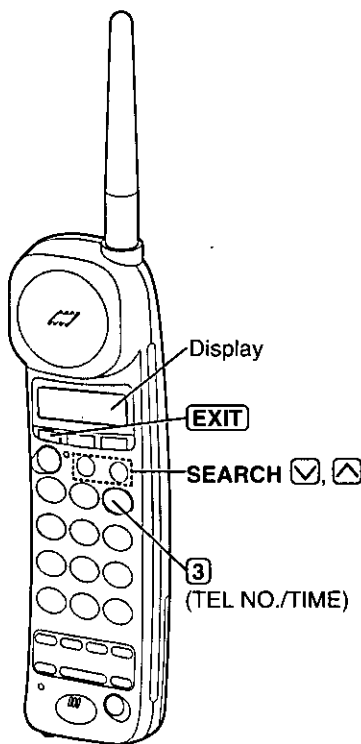
- To move between callers, press **SEARCH** or .
- To alternate the display between the number and time/date information, press **3** (TEL NO./TIME).

- 3** To exit the list, press **EXIT**.

- The handset will return to stand-by mode.

- 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.



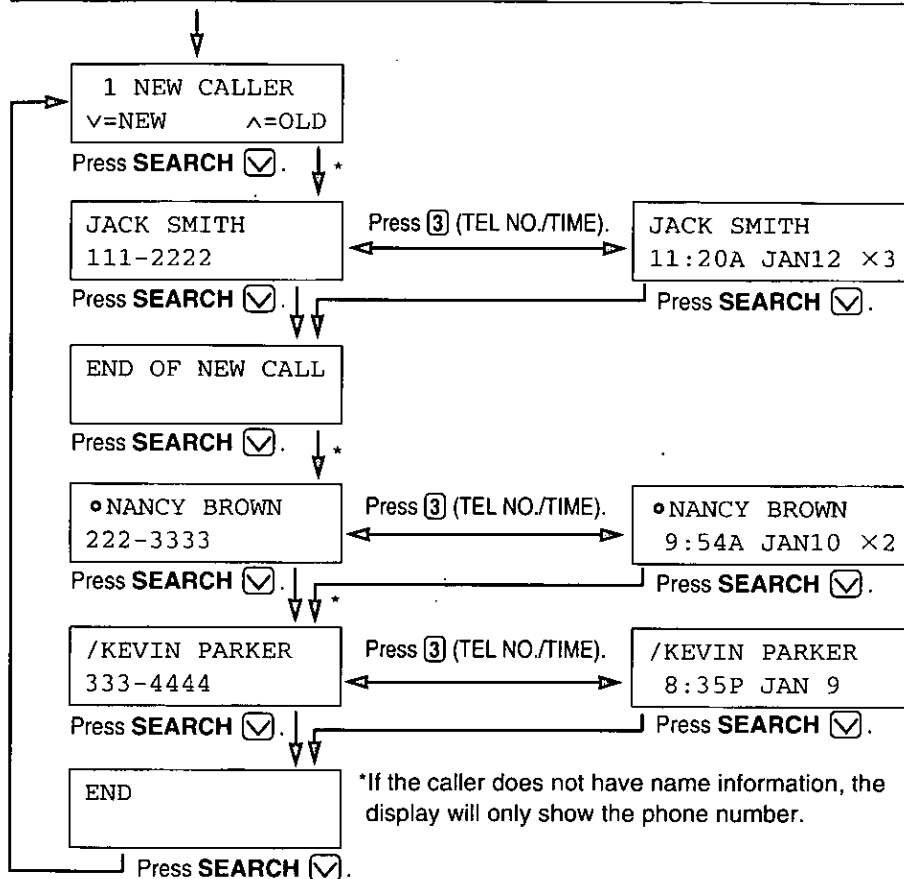


Ex. When you search from the most recent call:

Lift the handset off the base unit.

OR

When the handset is off the base unit, press **SEARCH** .



Advanced operation

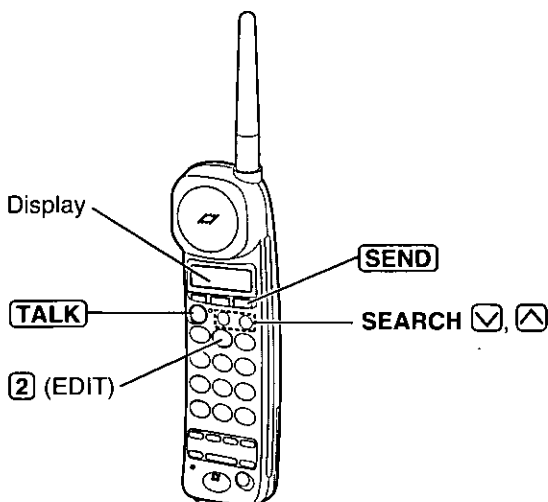
To exit the Caller List, press **EXIT**.

• 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.
- x2-x9 : The number of times they called (up to 9).

Calling Back from the Caller List



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

3 NEW CALLS v=NEW ^=OLD

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

CINDY TURNER 1-234-456-7890

- 3** Press **SEND**.
- The unit connects to the telephone line
and automatically dials the displayed
phone number.

1-234-456-7890 CH10

1-234-456-7890 00-00-07 {000}

- 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. 29).
(Ex. You may have to add "1" for long distance calls.)
If you did not store your area code (p. 14), 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 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

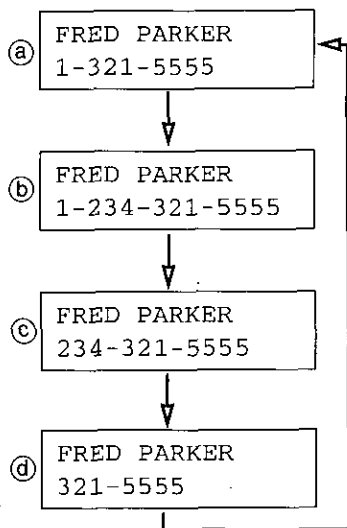
- 2 Press **SEARCH** or repeatedly to
find the desired caller.

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.

- (a) 1 - Phone no.
- (b) 1 - Area code - Phone no.
- (c) Area code - Phone no.
- (d) Phone no.

- The order in which patterns (a) - (d) are displayed depends on which pattern the telephone number is displayed in step 2.



Advanced operation

- 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. 28).

To store the number in the directory, press **(PROGRAM)**, then follow
the instructions on the display (see page 30, from step 3).

Using the Caller List

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 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
v=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 29.

- 3** Press **PROGRAM**.

SAVE DIRECTORY?
v=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 ?
v=NO ^=YES

- b) If you want to enter a name, press **SEARCH** (YES key). Then enter the name (p. 36). When finished, press **PROGRAM** (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 41.
- 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 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

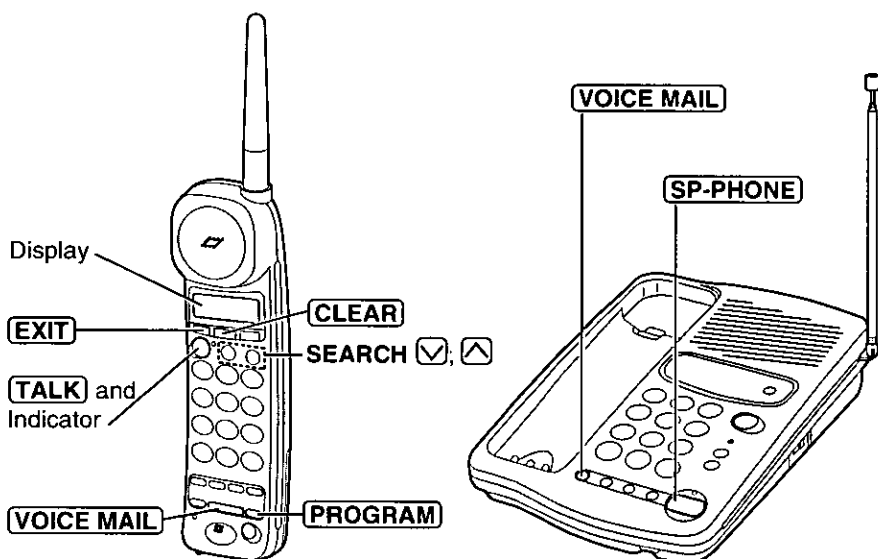
- You can also erase all of the entries by setting the display to
"END OF NEW CALL" or "END" using **SEARCH** or in step 1.

Voice Mail Service

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

To use the **VOICE MAIL** buttons, you must store your access phone number first **using the handset close to the base unit**.

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



To store an access number in your voice mail

- 1 Press **PROGRAM**.
 - The TALK indicator flashes.
- 2 Press **SEARCH** (with checkmark icon) (NEXT key) 3 times until "SAVE MAILBOX# ?" is displayed.
- 3 Press **SEARCH** (with up arrow icon) (YES key).

SAVE DIRECTORY?
v=NEXT ^=YES

SAVE MAILBOX# ?
v=NEXT ^=YES

ENTER MAILBOX#

4 Enter your access phone number up to 30 digits.

1123456789
VOICEMAIL=SAVE

- If you misdial, press **CLEAR**. Digits are erased from the right.

5 Press **VOICE MAIL** (SAVE key).

1123456789
SAVE MAILBOX#

- A confirmation tone sounds (p. 13).
- The stored number is displayed.
- The handset will return to stand-by mode.

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

To listen to voice mail message(s)

Up to 4 minutes after receiving a voice mail message, the **VOICE MAIL** buttons on the handset and the base unit will flash. To listen to your voice mail from the handset or the base unit, perform the following steps.

1 Press **VOICE MAIL**.

- The unit connects to the telephone line and automatically dials the number.

2 Follow the pre-recorded instructions.

3 When finished, press **TALK** or **SP-PHONE**.

- When the **VOICE MAIL** button(s) on the handset and/or the base unit still flash even if you have listened to your voice mail message(s), press **PROGRAM** then press and hold **VOICE MAIL** on the handset until the unit beeps. The button(s) will return off.
- Your voice mail service will send a voice mail tone after a new message has finished recording. You will hear the tone after pressing **TALK** or **SP-PHONE**.

If the message is over 3 minutes, the **VOICE MAIL** buttons on the handset and the base unit may not flash.

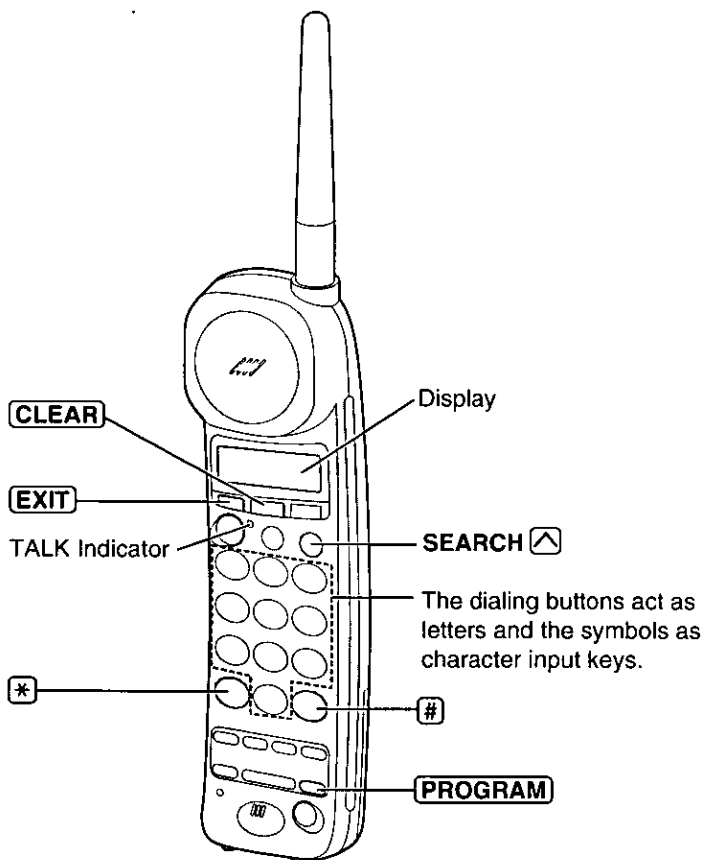
- The voice mail tone and message can be heard and retrieved from any parallel connected phone. If you use another phone, you have to dial your access number manually.

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 display. If you do not enter a name, the item is sorted by number.

Storing Names and Numbers in the Directory

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





- 1 Press **PROGRAM**.
 - The TALK indicator flashes.
- 2 Press **SEARCH** (YES key).
 - The display shows the number of stored items in the directory.
- 3 Enter a name up to 15 characters with the dialing buttons, ***** (←) or **#** (→).
 - See the steps for entering names and symbols (p. 36).
 - To skip entering the name, press **#** (TEL NO. key), then go to step 5.

SAVE DIRECTORY?
v=NEXT ^=YES

DIRECTORY=
23 ITEMS

ENTER NAME
#=TEL NO.

ADAM\$
*#=↔ PROG=SAVE

- 4 When finished, press **PROGRAM** (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** (SAVE key).

SAVING...

- A confirmation tone sounds (p. 13).
- The item is saved and the display shows "SAVED OK".
- The handset will return to stand-by mode.

- 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 41, 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.

Advanced Operation

Steps for Entering Names and Symbols

The dialing buttons can be used as letters and symbols as character input keys. Pressing each button selects a character as shown below.



Keys	Number of pressing times										
	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		
⑩	0	Blank									
* (left arrow)	To move the cursor □ to the left.										
# (right arrow)	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**.



For example, to enter "Tom Jones":

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

1 Press **[8]**.

```
T
*#=↔ PROG=SAVE
```

2 Press **[6]** six times, then press **[#]** (→) to move the cursor to the right.

```
To
*#=↔ PROG=SAVE
```

3 Press **[6]** four times.

```
Tom
*#=↔ PROG=SAVE
```

4 Press **[#]** (→) twice to enter a blank.

```
Tom 
*#=↔ PROG=SAVE
```

5 Press **[5]**.

```
Tom 
*#=↔ PROG=SAVE
```

6 Press **[6]** six times, then press **[#]** (→) to move the cursor to the right.

```
Tom J
*#=↔ PROG=SAVE
```

7 Press **[6]** five times.

```
Tom Jo
*#=↔ PROG=SAVE
```

8 Press **[3]** five times.

```
Tom Jon
*#=↔ PROG=SAVE
```

9 Press **[7]** eight times.

```
Tom Jones
*#=↔ PROG=SAVE
```

➔ Using the Directory

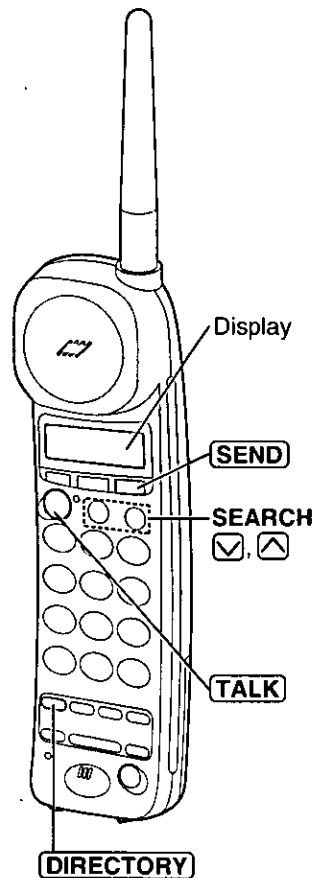
Finding Items in the Directory

The SP-PHONE indicator light must be off.

- 1 Press **DIRECTORY**.
 - The display will show the following.

SELECT LETTER
ON DIAL PAD
- 2 Press the dialing button of the first letter of the desired name repeatedly (see the Index table on page 39).

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**.



- 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. Items without name information are sorted by the first digit from 0 to 9.



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	⑩	0

Dialing from the Directory

1 Press **DIRECTORY**.

SELECT LETTER
ON DIAL PAD

2 Find the directory item that you want to dial (p. 38).

MARY
4567890

3 Press **SEND**.

- The unit connects to the telephone line and automatically dials the number.

4567890
(000)

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.

⇒ Using the Directory

Changing an Item in the Directory

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

1 Press **PROGRAM**.

- The TALK indicator flashes.

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

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

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

3 Press **SEARCH** (YES key).

```
SELECT LETTER  
ON DIAL PAD
```

4 Find the directory item you want to change (p. 38).

- 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. 36) up to 15 characters.

```
JANE WALKER  
*#=↔    PROG=SAVE
```

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

6 When finished, press **PROGRAM**
(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** (SAVE key)
and programming is completed.
The display shows "SAVED OK".

```
0981234567  
PROG=SAVE
```


8 When finished, press **PROGRAM** (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 SP-PHONE indicator lights must be off before programming.

1 Press **PROGRAM**.

- The TALK indicator flashes.

SAVE DIRECTORY?
v=NEXT ^=YES

2 Press **SEARCH** (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. 38).

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.

Intercom

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

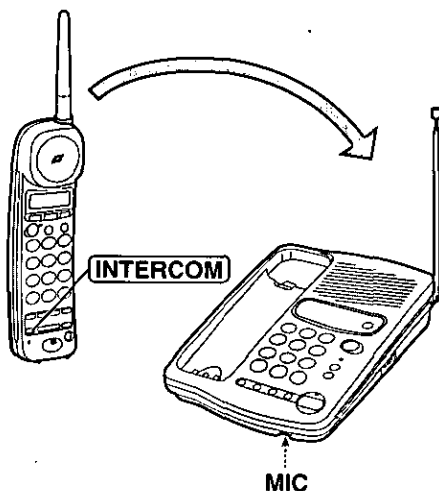
Paging the base unit from the handset

1 Handset:
Press **INTERCOM**, wait for the handset to stop beeping, then speak.

- "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**.



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**.

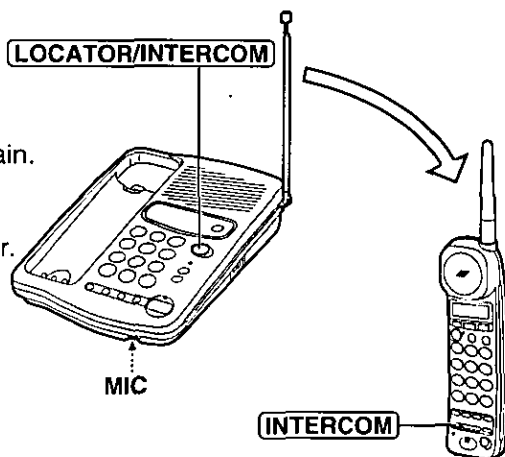
- The handset beeps for 1 minute and "PAGING PRESS INTERCOM" is displayed.
- To stop paging, press **LOCATOR/INTERCOM** again.

2 Handset:
Press **INTERCOM** to answer.


- "INTERCOM" is displayed.

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

4 Handset:
To end the intercom, press **INTERCOM**.



During the intercom:

- Intercom calls can only be ended by the handset.
- If the handset user has difficulty hearing the base unit user, decrease the base unit speaker volume by pressing **VOLUME** .
- If two tones sound, an incoming call has been received. To answer, press **TALK** or **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.

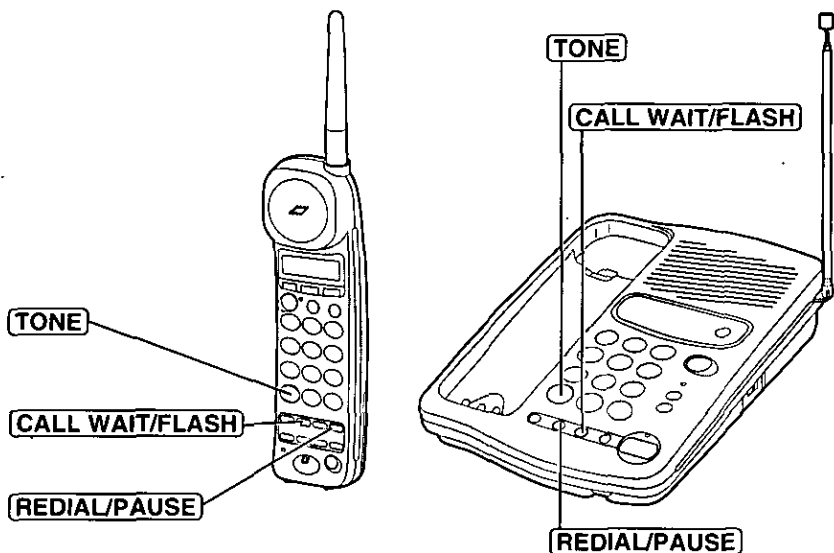
From the handset to the base unit

- 1 Handset:**
During a call, press **INTERCOM**, wait for the handset to stop beeping, then speak.
 - The call is put on hold and "INTERCOM HOLD" is displayed.
 - If the base unit is not answered, 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 **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 is not answered, press **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 **SP-PHONE**.

Special Features



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.

- During a conversation with the base unit, the second caller's information will not be displayed.
- The second caller's information will not be displayed when 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 services, etc. When you hang up, the mode will return to pulse.

If Your Unit is Connected to a PBX (Analog Only)

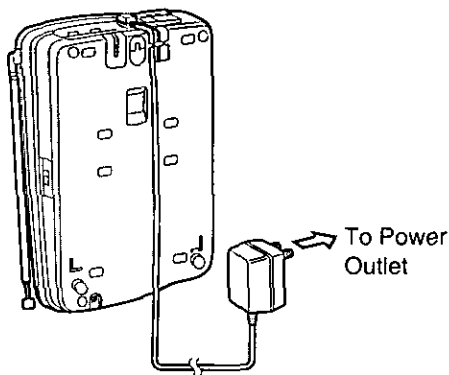
We recommend you press **(REDIAL/PAUSE)** between the access number for an outside line and the phone number.

- 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.)

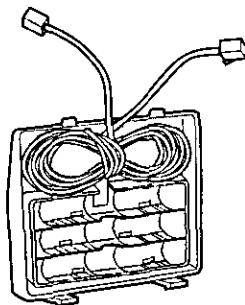
Wall Mounting

This unit can be mounted on a wall phone plate.

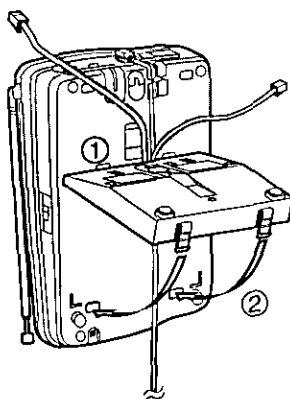
- 1 Connect the AC adaptor.



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

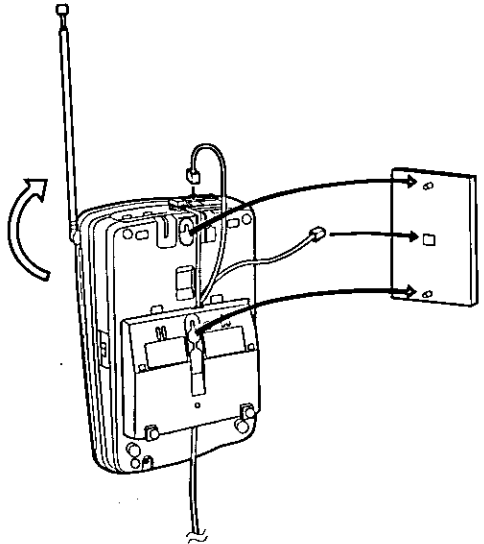


- 3
 - ① Insert the tabs of the wall mounting adaptor into the "WALL" unit openings.
 - ② Push the adaptor in the direction of the arrow.
- "UP WALL" should face upward.

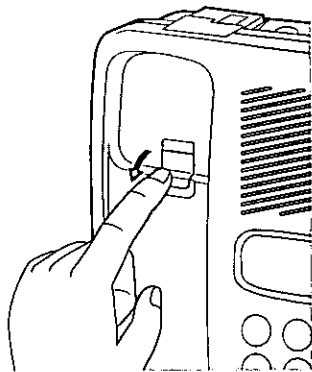


-
- 4** Connect the telephone line cord. Mount the unit, then slide down.

- Extend the antenna fully.

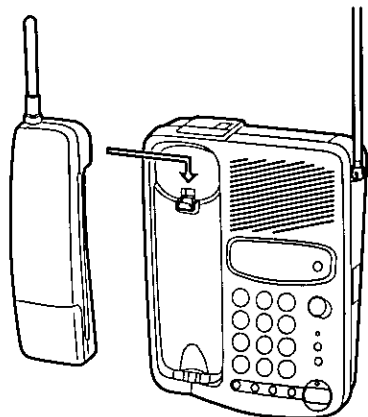


- 5** Pull down the handset hook until it locks, **so the tab holds the handset.**



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

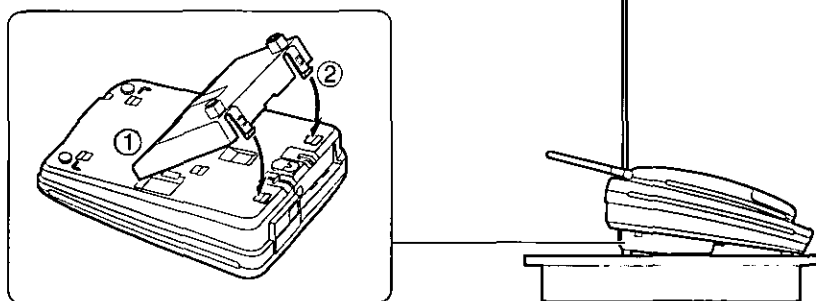
- The IN USE/CHARGE indicator lights.



Convenient Desk Usage

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

- ① Insert the tabs of the wall mounting adaptor into the "DESK" unit openings.
- ② Push the adaptor in the direction of the arrow.
 - "UP DESK" should face upward.

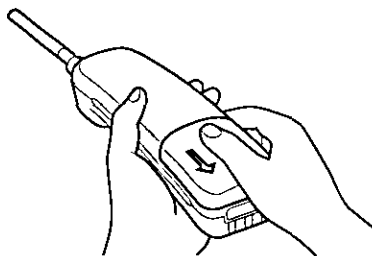


- It is not necessary to pull down the handset hook (p. 7).

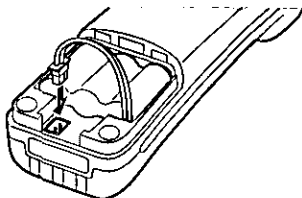
Battery Replacement

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

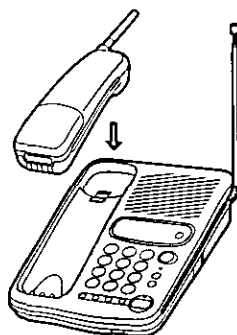
- 1 Remove the cover by sliding it while pressing the arrow.



- 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.



Before Requesting Help

Problem	Remedy
"OUT OF RANGE" is displayed and an alarm tone sounds when you press TALK or INTERCOM .	<ul style="list-style-type: none">• 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.
The unit does not work.	<ul style="list-style-type: none">• Check the settings (p. 10-15).• Charge the battery fully (p. 11).• Clean the charge contacts and charge again (p. 12).• 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.
Static, sound cuts in/out, fades. Interference from other electrical units.	<ul style="list-style-type: none">• 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.	<ul style="list-style-type: none">• The ringer volume is set to OFF. Press LOUD/RINGER briefly while the TALK indicator light is off (p. 19).
The base unit does not ring.	<ul style="list-style-type: none">• The RINGER selector is set to OFF. Set to HIGH or LOW (p. 22).



Problem	Remedy
The handset display is blank.	<ul style="list-style-type: none">• The handset is in stand-by mode (p. 12). Press SEARCH  or  to turn the display on.
The handset display is still blank after pressing SEARCH  or  .	<ul style="list-style-type: none">• Charge the battery fully (p. 11).
You cannot program items, such as the dialing mode.	<ul style="list-style-type: none">• Programming is not available while the unit is in talk or speakerphone mode, or when viewing the Caller List/directory items.• Do not pause for over 60 seconds while storing.
You cannot store a name and phone number in the directory.	<ul style="list-style-type: none">• 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.	<ul style="list-style-type: none">• To answer the call, press TALK or SP-PHONE. Start from the beginning after hanging up.
The unit does not display the name and/or phone number of callers.	<ul style="list-style-type: none">• 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/directory items.	<ul style="list-style-type: none">• Do not pause for over 60 seconds while searching.• SP-PHONE was pressed on the base unit.

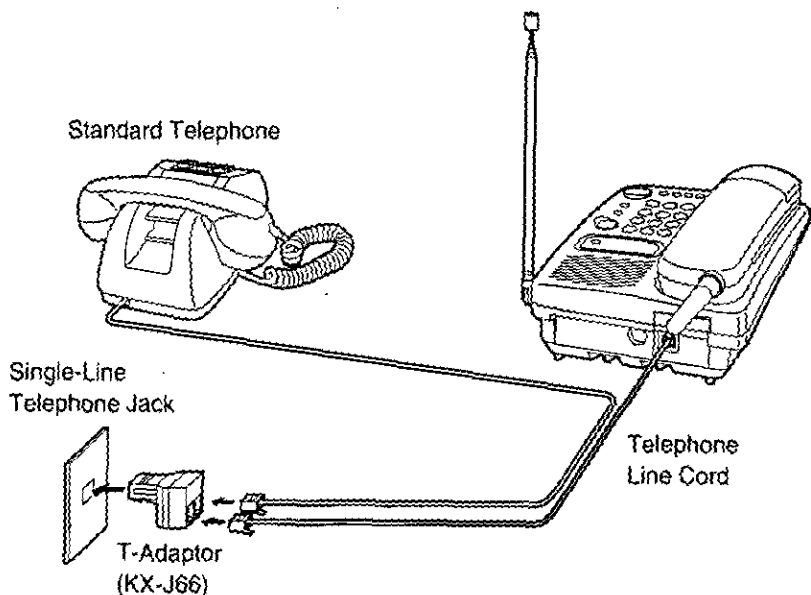


Before Requesting Help

Problem	Remedy
LOCATOR/INTERCOM does not function.	<ul style="list-style-type: none">• The handset is too far from the base unit.• The handset is engaged in an outside call or is viewing the Caller List/directory items. Wait until the IN USE/CHARGE indicator light goes out.
REDIAL/PAUSE does not function properly.	<ul style="list-style-type: none">• 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. 16, 21). If another number has been dialed first, it will operate as a pause button (p. 45).
The BATT LOW indicator flashes or the unit beeps intermittently.	<ul style="list-style-type: none">• Charge the battery fully (p. 11).
You charged the battery fully, but the BATT LOW indicator flashes.	<ul style="list-style-type: none">• Clean the charge contacts and charge again (p. 12).• Replace the battery. Please purchase a new battery (p. 49).
The IN USE/CHARGE indicator light never goes out while charging.	<ul style="list-style-type: none">• This is normal.
If you cannot solve your problem.	<ul style="list-style-type: none">• Call our customer call center at 800-211-PANA (7262).

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 800-211-PANA (7262).



Important Safety Instructions

When using this unit, basic safety precautions should always be followed to reduce the risk of fire, electric shock, or personal injury.

1. Read and understand all instructions.
2. Follow all warnings and instructions marked on this unit.
3. Unplug this unit from AC outlets before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not use this unit near water, for example, near a bathtub, washbowl, kitchen sink, or the like.
5. Place this unit securely on a stable surface. Serious damage and/or injury may result if the unit falls.
6. Do not cover slots and openings on the unit. They are provided for ventilation and protection against overheating. Never place the unit near radiators, or in a place where proper ventilation is not provided.
7. Use only the power source marked on the unit. If you are not sure of the type of power supplied to your home, consult your dealer or local power company.
8. Do not place objects on the power cord. Install the unit where no one can step or trip on the cord.
9. Do not overload wall outlets and extension cords. This can result in the risk of fire or electric shock.
10. Never push any objects through slots in this unit. This may result in the risk of fire or electric shock. Never spill any liquid on the unit.
11. To reduce the risk of electric shock, do not disassemble this unit. Take the unit to an authorized servicenter when service is required. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock when the unit is subsequently used.
12. Unplug this unit from the wall outlet and refer servicing to an authorized servicenter when the following conditions occur:
 - A. When the power supply cord or plug is damaged or frayed.
 - B. If liquid has been spilled into the unit.
 - C. If the unit has been exposed to rain or water.
 - D. If the unit does not work normally by following the operating instructions. Adjust only controls covered by the operating instructions. Improper adjustment may require extensive work by an authorized servicenter.
 - E. If the unit has been dropped or physically damaged.
 - F. If the unit exhibits a distinct change in performance.
13. During thunderstorms, avoid using telephones except cordless types. There may be a remote risk of an electric shock from lightning.
14. Do not use this unit to report a gas leak, when in the vicinity of the leak.

SAVE THESE INSTRUCTIONS

CAUTION:

To reduce the risk of fire or injury to persons, read and follow these instructions.

1. Use only the battery(ies) specified.
2. Do not dispose of the battery(ies) in a fire. They may explode. Check with local waste management codes for special disposal instructions.
3. Do not open or mutilate the battery(ies). Released electrolyte is corrosive and may cause burns or injury to the eyes or skin. The electrolyte may be toxic if swallowed.
4. Exercise care in handling batteries in order not to short the battery to conductive materials such as rings, bracelets, and keys. The battery and/or conductor may overheat and cause burns.
5. Charge the battery(ies) provided with or identified for use with this product only in accordance with the instructions and limitations specified in this manual.

WARNING:

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS PRODUCT TO RAIN OR ANY TYPE OF MOISTURE.

FCC and Other Information

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

FCC Registration No.(found on the bottom of the unit)

Ringer Equivalence0.2B

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 800-211-PANA (7262) for the location of an authorized servicenter.

When you ship the product

- Carefully pack your unit, preferably in the original carton.
- Attach a letter, detailing the symptom, to the outside of the carton.

Symptom

- Send the unit to an authorized servicenter, prepaid and adequately insured.
- Do not send your unit to the Panasonic Consumer Electronics Company listed on the back cover or to executive or regional sales offices. These locations do not repair consumer products.

• This cordless telephone is designed for use in the United States of America. Sale or use of this product in other countries may violate local laws.

• Ce téléphone sans fil est conçu pour être utilisé aux États-Unis d'Amérique. La vente ou l'emploi de cet appareil dans certains autres pays peut constituer une infraction à la législation locale.

• Este teléfono sin cordón fue elaborado para uso en los Estados Unidos de América. La venta o el empleo de este producto en ciertos países puede constituir violación de la legislación local.

• このコードレス電話機は、日本国外での使用を目的として設計されており、日本国内での使用は法律違反となります。従って、当社では日本国内においては原則として修理などのサービスは致しかねます。

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