

# Panasonic®

2.4GHz Cordless Phone

Model No. **KX-TG2560CS**

Pulse-or-tone dialing capability

## Operating Instructions



**2.4GHz**  
GIGARANGE EXTREME

Preparation

Basic Operation

Advanced Operation

Useful Information

**PLEASE READ BEFORE USE  
AND SAVE.**

Call Display Compatible

Charge the battery for about 7 hours before initial use.

# Before Initial Use

---

***Thank you for purchasing your new Panasonic cordless telephone.***

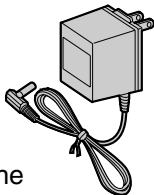
Call Display, Call Waiting and Voice Mail Service, where available, are telephone company services.

After subscribing to Call Display, this phone will display the caller's name and phone number. Visual Call Waiting, which displays a second caller's name and phone number while the user is on another call, requires a subscription to both Call Display and Call Waiting.

After subscribing to Voice Mail Service, this phone's message-waiting indicator will flash when there are messages in the mail box.

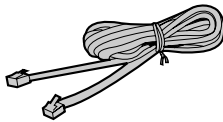
## Accessories (Included)

AC Adaptor (p. 10)



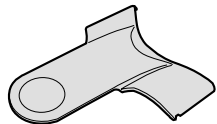
one

Telephone Line Cord (p. 10)



one

Belt Clip (p. 13)



one

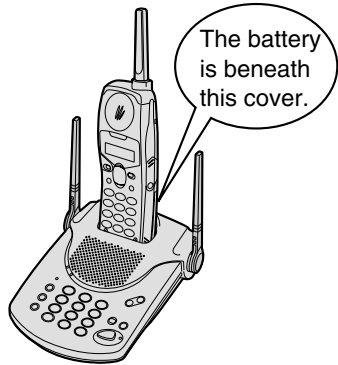
# For Best Performance

## Battery Charge

A rechargeable Nickel-Metal Hydride (Ni-MH) battery powers the handset.

Charge the battery for about **7 hours** before initial use (p. 11).

- If you charge the discharged battery, it will be charged quickly. In that case the handset may feel warm. This is normal.
- Place the handset on the base unit straight up: The handset must be straight up—it must not lean to the right, left or forward.

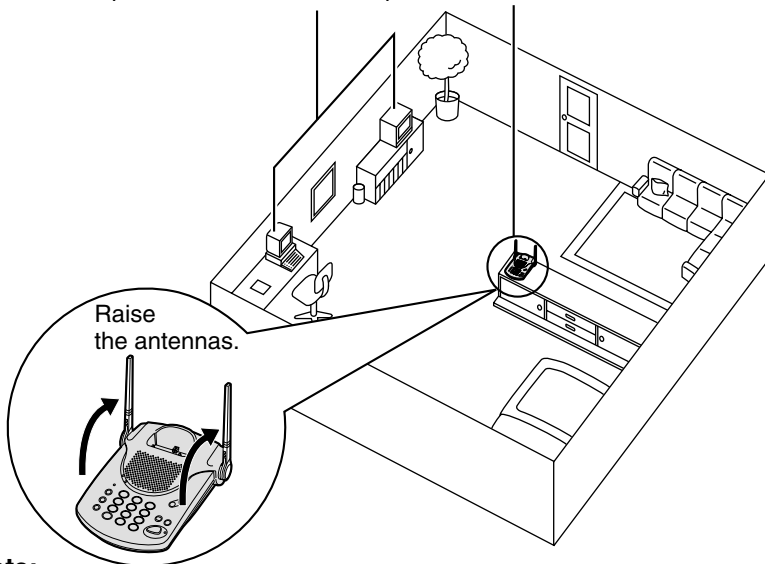


## Base Unit Location/Noise

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, personal computer or another cordless phone.

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



### Note:

While using the handset:

- If you are near a microwave oven which is being used, noise may be heard from the receiver. Move away from the microwave oven and closer to the base unit.
- If more than one cordless phone is being used and your handset is near another cordless phone's base unit, noise may be heard. Move away from the other cordless phone's base unit and closer to your base unit.

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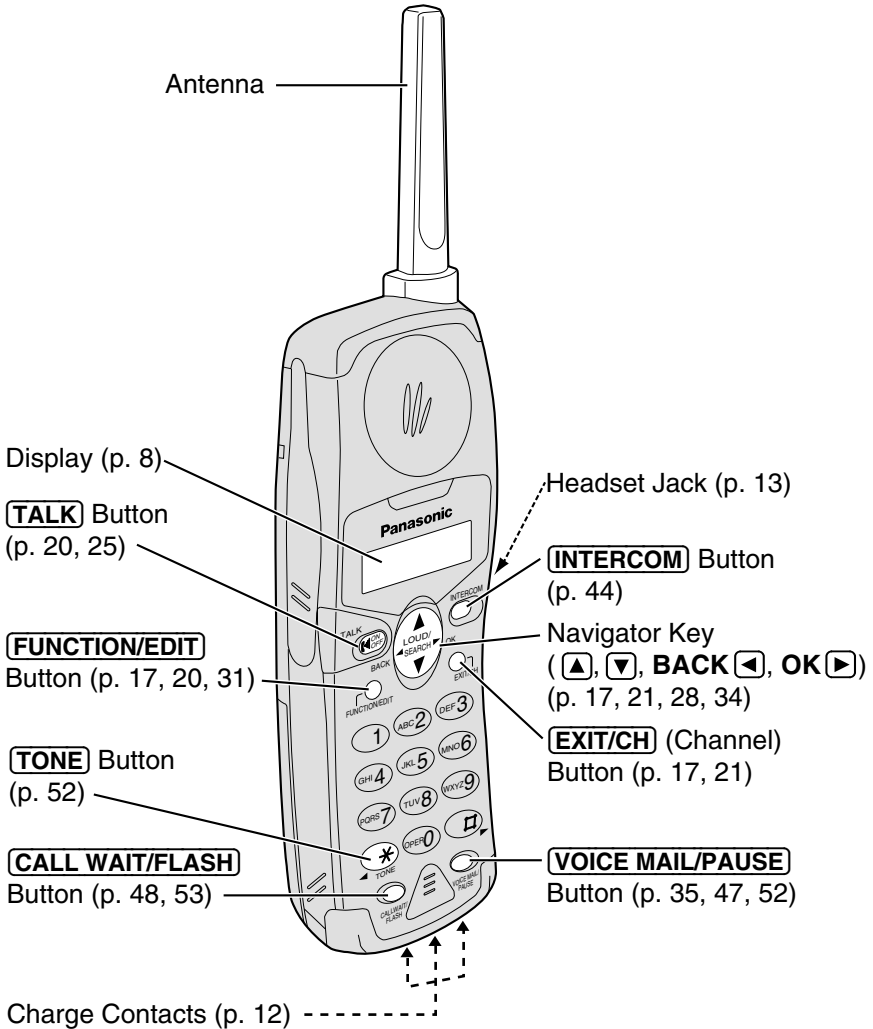
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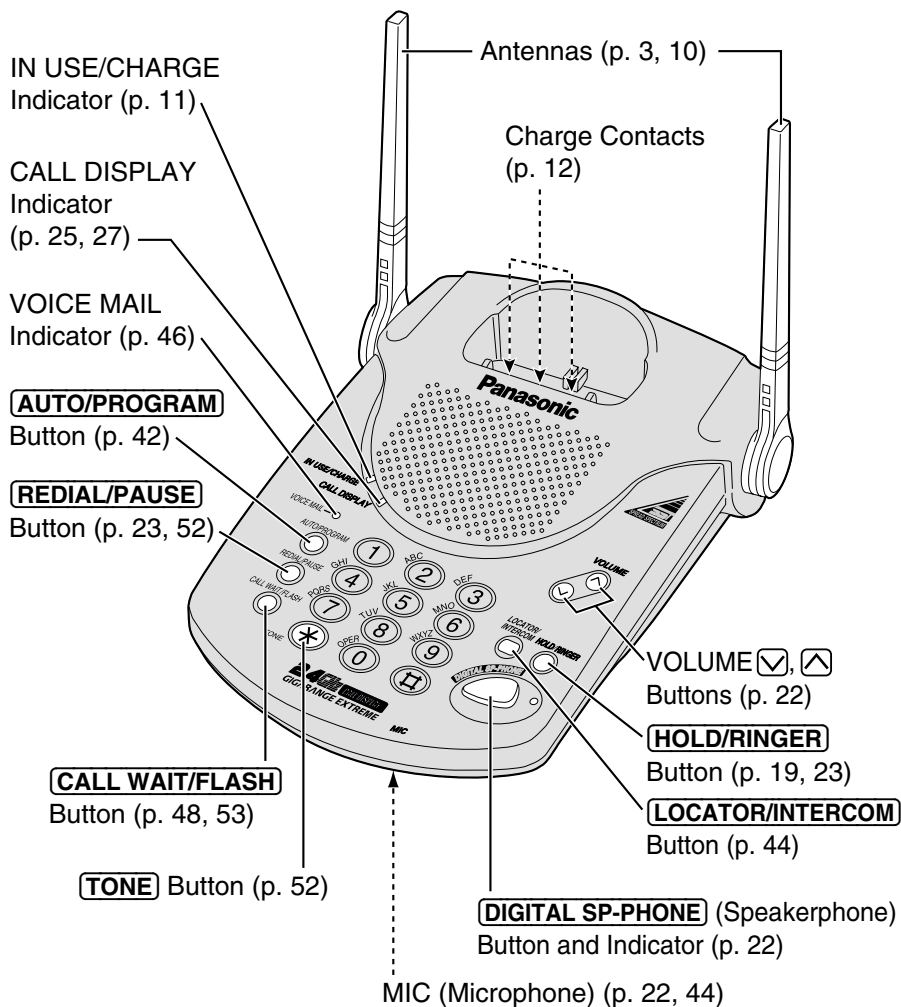
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# Location of Controls

## Handset



## Base unit




# Display

---


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

No items stored

The Caller List is empty or there are no stored items in the directory.

Recharge 



The battery needs to be charged. Place the handset on the base unit to charge the battery (p. 11).



12 new callers  



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

12 new callers  
∇=New      ▲=Old

This display will be shown when:

- you lift the handset off the base unit, or
-  or  is pressed when the handset is off the base unit.

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

Talk  
01-06-35 

During a conversation, the display shows the length of the call (ex. 1 hour, 6 minutes and 35 seconds). The battery strength is also displayed (p. 11).

No link to base  
Place on cradle  
and try again.

The handset has lost communication with the base unit. Place the handset on the base unit and try again.

Save error

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

TINA ROBINSON  
1-000-222-3333

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



Not available

▼ or ▲, or **INTERCOM** was pressed while the base unit was not in the standby mode.

JACK SMITH  
111-2222  
11:20A JAN12 x 3

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

Paging

Press INTERCOM

The base unit is paging the handset (p. 44).

Intercom

00-00-07 {■■■■}

The handset and the base unit are in the intercom mode (p. 44).

Intercom hold

00-01-12 {■■■■}

An outside call has been put on hold by the handset user in the intercom mode. To release the hold, press **TALK** or **DIGITAL SP-PHONE** (p. 45).

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

A second call is received during a conversation (p. 48).

Please lift up  
and try again

▼ or ▲ was pressed while the handset was on the base unit. Lift the handset and press ▼ or ▲ again.

Memory is full

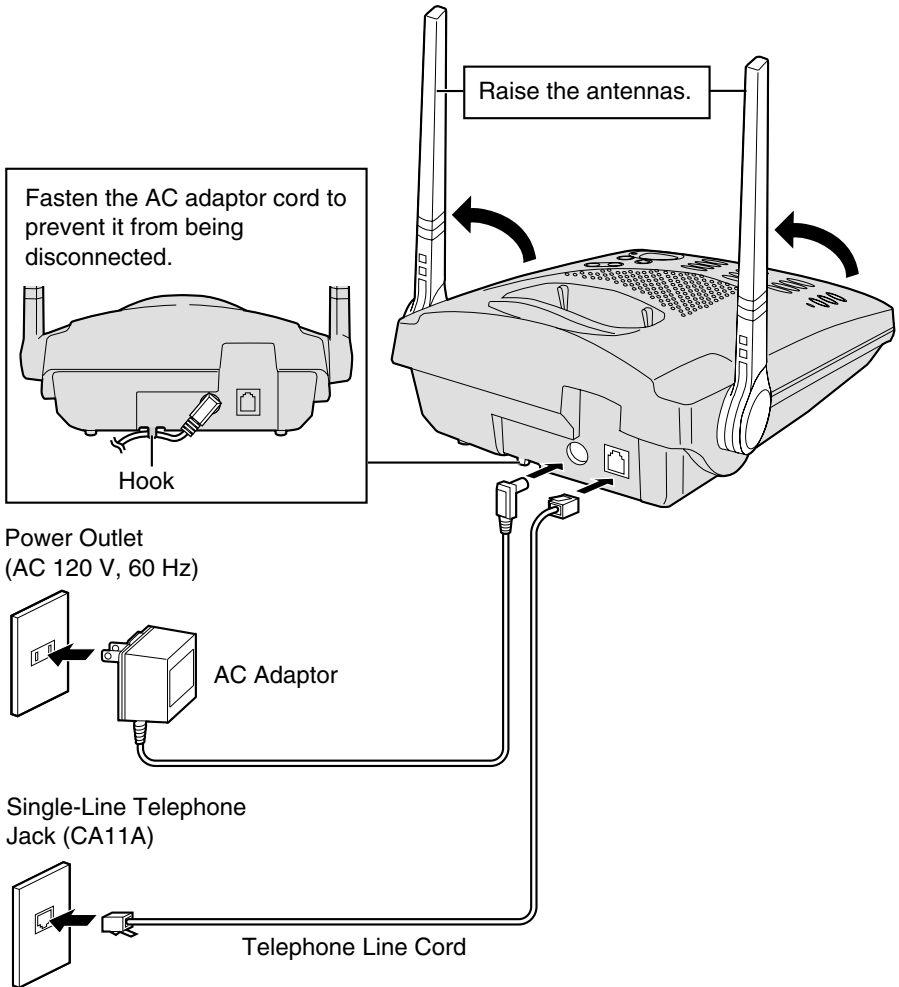
When trying to store an item or Caller List information in the directory, the directory memory is full (p. 32, 35).

Ann  
1234567890

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

# Settings

## Connections



- USE ONLY WITH Panasonic AC ADAPTOR PQLV10.
- 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 54.
- If your unit is connected to a PBX which does not support Call Display and voice mail services, you cannot access those services.

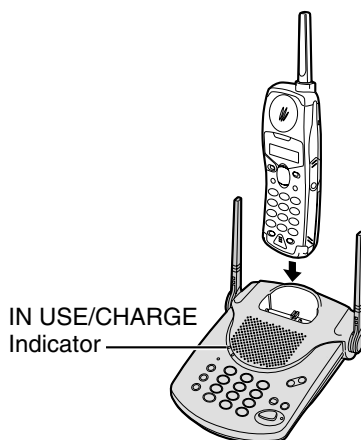


## Battery Charge

Place the handset on the base unit and charge for about **7 hours** before initial use.

- The IN USE/CHARGE indicator lights.
- If you charge the discharged battery, it will be charged quickly. In that case the handset may feel warm. This is normal.
- Place the handset on the base unit straight up:
 

The handset must be straight up—it must not lean to the right, left or forward.



## Battery strength

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

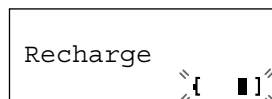
The battery strength is shown as in the chart below.

Display prompt	Battery strength
{ ■■■■ }	Fully charged
{ ■■ }	Medium
{ ■ }	Low
⚡{ ■ }⚡ (flashing)	Needs to be recharged.

## Recharge

Recharge the battery when:

- “Recharge” is displayed,
- “{ ■ }” flashes on the display, or
- the handset beeps intermittently while it is in use.



- If you DO NOT recharge the handset battery for more than 15 minutes, the display will keep indicating “Recharge” and/or “{ ■ }” will continue to flash.

## ➔ Settings

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### Battery information

After your Panasonic battery is fully charged (p. 11):

Operation		Approx. battery life
While in use (TALK)	near the base unit*	8–9 hours
	away from the base unit	3–4 hours
While not in use (standby)		14 days

\*Within about 10 feet (3 m)

- Battery life may be shortened depending on usage conditions, such as viewing the Call Display 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.** Otherwise the battery may not charge properly.
- If the battery is fully charged, you do not have to place the handset on the base unit until “Recharge” is displayed and/or “{ ■}” flashes. This will maximize the battery life.
- The battery cannot be overcharged.

### **Standby mode** (The handset is off the base unit.)

The handset goes into the standby 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.

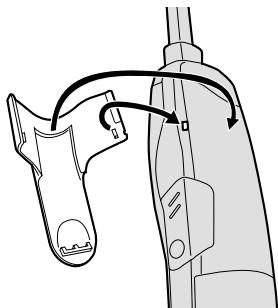
The battery life is conserved in this mode.



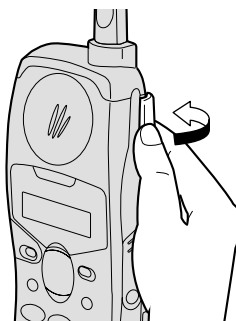
## Using the Belt Clip

You can hang the handset on your belt or pocket using the belt clip.

### To attach the belt clip



### To remove the belt clip

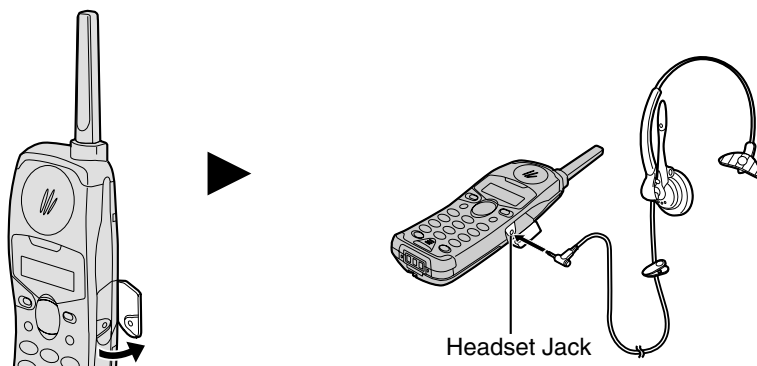


## Using an Optional Headset

Plugging an optional headset into the handset allows a hands-free phone conversation. Please use only the Panasonic KX-TCA90C headset.

### Connecting the headset to the handset

Open the headset jack cover, and connect the optional headset to the headset jack as shown.



When an optional headset is connected to the handset, be sure to use the headset to talk with the caller. If you want to have a normal cordless phone conversation, disconnect the headset.

### Selecting the Display Language

You can select either “English” or “French” as the display language **using the handset near the base unit**.

Your phone comes from the factory set to “English”. If you want to select “French”, program as follows.

**Make sure that the unit is in the standby mode.**

#### To select FRENCH

- 1 Press **FUNCTION/EDIT**.

▶Redial
Directory
√^ OK=Yes
  
- 2 Press **▼** or **▲** repeatedly until the arrow points to “Program”.

Ringer volume
▶Program
√^ OK=Yes
  
- 3 Press **OK** **▶** (Yes key).

▶Save directory
Set flash time
√^ OK=Yes
  
- 4 Press **▼** or **▲** repeatedly until the arrow points to “Chnge language”.

▶Chnge language
C.WTG options
√^ OK=Yes
  
- 5 Press **OK** **▶** (Yes key).

Chnge language
:English
√^ OK=Save
  
- 6 Press **▼** or **▲** to select “French”.  
Press **OK** **▶** (Save key).
  - A beep sounds.
  - To return to the standby mode, press **EXIT/CH**.

Changer langue
:Français

- You can exit the programming mode any time by pressing **EXIT/CH**.
- To select English, press **▼** or **▲** in step 6.



## Selecting the Dialing Mode

You can program the dialing mode **using the handset near the base unit**. If you have touch tone service, set to “Tone”. If rotary or pulse service is used, set to “Pulse”. Your phone comes from the factory set to “Tone”. **Make sure that the unit is in the standby mode.**

1 Press **FUNCTION/EDIT**.

```
▶Redial
  Directory
v^      OK=Yes
```

2 Press **▼** or **▲** repeatedly until the arrow points to “Program”.

```
Ringer volume
▶Program
v^      OK=Yes
```

3 Press **OK** **▶** (Yes key).

```
▶Save directory
  Set flash time
v^      OK=Yes
```

4 Press **▼** or **▲** repeatedly until the arrow points to “Set dial mode”.

```
▶Set dial mode
  Talk switching
v^      OK=Yes
```

5 Press **OK** **▶** (Yes key).

```
Dial mode
          :Tone
v^      OK=Save
```

6 Press **▼** or **▲** to select “Pulse” or “Tone”. Press **OK** **▶** (Save key).

```
Dial mode
          :Pulse
```

- A beep sounds.
- To return to the standby mode, press **EXIT/CH**.

- You can exit the programming mode any time by pressing **EXIT/CH**.
- If 3 beeps sound and the display shows “Save error”, move closer to the base unit and try again. If “Save error” is still displayed, place the handset on the base unit. Start again from step 1.

## ➔ Settings

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### Selecting the Line Mode

If the line is connected to a low voltage system such as a PBX, set to “B”. Otherwise the Visual Call Waiting (Call Waiting ID) Service may not be accessible (p. 48).

Your phone comes from the factory set to “A”.

**Make sure that the unit is in the standby mode.**

1 Press **FUNCTION/EDIT**.

```
▶Redial
  Directory
  v^      OK=Yes
```

2 Press **▼** or **▲** repeatedly until the arrow points to “Program”.

```
Ringer volume
▶Program
  v^      OK=Yes
```

3 Press **OK** **▶** (Yes key).

```
▶Save directory
  Set flash time
  v^      OK=Yes
```

4 Press **▼** or **▲** repeatedly until the arrow points to “Set line mode”.

```
Save mailbox#
▶Set line mode
  v^      OK=Yes
```

5 Press **OK** **▶** (Yes key).

```
Line mode
                               :A
  v^      OK=Save
```

6 Press **▼** or **▲** to select “B” or “A”. Press **OK** **▶** (Save key).

```
Line mode
                               :B
```

- A beep sounds.
- To return to the standby mode, press **EXIT/CH**.

- You can exit the programming mode any time by pressing **EXIT/CH**.
- If 3 beeps sound and the display shows “Save error”, move closer to the base unit and try again. If “Save error” is still displayed, place the handset on the base unit. Start again from step 1.



# Programmable Functions



You can program the following function items **using the handset near the base unit**. The display shows the programming instructions. See the corresponding pages for function details.

**Make sure that the unit is in the standby mode.**

Press **FUNCTION/EDIT**.



<Function menu>\*

▶Redial.....	To redial the last number dialed (p. 20).
Directory.....	To use the directory (p. 38).
Ringer volume.....	To select the ringer volume (p. 19).
Program	

Press **OK**



<Function menu>\*

▶Save directory.....	To store an item in the directory (p. 32, 34).
Set flash time.....	To select the flash time (p. 53).
Change language.....	To select the display language (p. 14).
C.WTG options.....	To set the "C.WTG (Call Waiting) options" mode (p. 49).
Save mailbox#.....	To store a voice mail access number (p. 47).
Set line mode.....	To select the line mode (p. 16).
Set dial mode.....	To select the dial mode (p. 15).
Talk switching.....	To set the auto talk feature (p. 18).

## During programming

\*To select a desired function item, press or repeatedly until the arrow points to that item. Press **OK** to go to the next step.

- You can exit the programming mode any time by pressing **EXIT/CH**.
- If you do not press any buttons for 60 seconds, the unit will return to the standby mode.

## ➔ Programmable Functions

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### Setting the Auto Talk Feature

The Auto Talk feature allows you to answer a call by lifting the handset off the base unit without pressing **TALK**. If you want to use this feature, turn the feature ON by programming. Your phone comes from the factory set to OFF.

**Make sure that the unit is in the standby mode.**

1 Press **FUNCTION/EDIT**.

2 Press **▼** or **▲** repeatedly until the arrow points to "Program".

```
Ringer volume
▶Program
v^          OK=Yes
```

3 Press **OK** **▶** (Yes key).

4 Press **▼** or **▲** repeatedly until the arrow points to "Talk switching".

```
Set dial mode
▶Talk switching
v^          OK=Yes
```

5 Press **OK** **▶** (Yes key).

```
Auto talk
:Off
v^          OK=Save
```

6 Press **▼** or **▲** to select "On" or "Off". Then press **OK** **▶** (Save key).

```
Auto talk
:On
```

- A beep sounds.
- To return to the standby mode, press **EXIT/CH**.

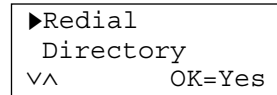
- You can exit the programming mode any time by pressing **EXIT/CH**.
- In order to view Call Display information before answering a call, leave the Auto Talk feature OFF.

# Selecting the Ringer Volume

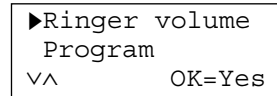
## With the handset

You can program the ringer volume to HIGH, LOW or OFF. If set to OFF, the unit will not ring. Your phone comes from the factory set to HIGH. Make sure that the unit is in the standby mode.

1 Press **FUNCTION/EDIT**.

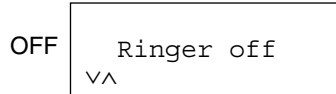
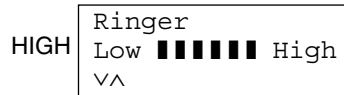


2 Press **▼** or **▲** repeatedly to select “Ringer volume”, and press **OK** **▶** (Yes key).



3 Press **▼** or **▲** to select the desired volume.

- The selected volume is displayed and rings.
- **To turn the ringer OFF**, press and hold **▼** until 2 beeps sound.
- The handset will return to the standby mode.



**To turn the ringer ON**, press **▼** or **▲** in step 3.

- The ringer will sound at the LOW level.

## With the base unit

Make sure that the unit is in the standby mode.

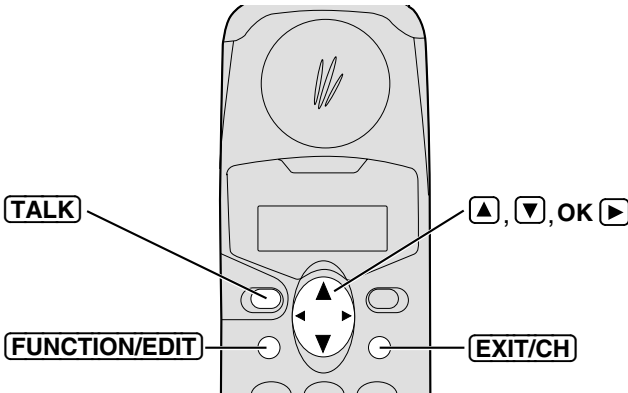
- **To select HIGH (preset) or LOW**, press **HOLD/RINGER**. (Each time you press the button, the ringer volume will change and the selected volume will ring.)
- **To turn the ringer OFF**, press and hold **HOLD/RINGER** until 2 beeps sound.
- **To turn the ringer ON**, press **HOLD/RINGER**. The ringer will sound at the HIGH level.



# Making Calls

## With the Handset

To have a hands-free conversation, connect the optional headset to the handset (p. 13).

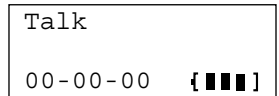
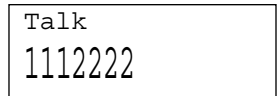


1 Press **TALK**.



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 battery strength.



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

- If “No link to base Place on cradle and try again.” is displayed and an alarm tone sounds in step 1, move closer to the base unit or place the handset on the base unit, and try again.

### To redial the last number dialed

Press **FUNCTION/EDIT** ➔ **TALK**.

### To redial after confirming the number in redial memory

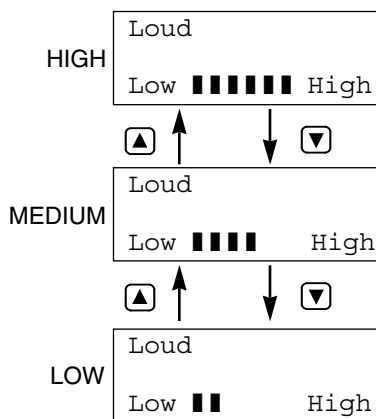
1. Press **FUNCTION/EDIT**.
2. While the arrow points to “Redial”, press **OK** ►.
  - The last number dialed is displayed.
3. Press **TALK**.



## To select the receiver volume

Press or while talking.

- Each time you press or , the volume level will change.
- The display will return to the length of the call.



## If noise interferes with the conversation

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

## Lighted handset keypad

The handset dialing buttons will light when you press a button or lift the handset off the base unit, and flash when a call is received. The lights will go out about 10 seconds after pressing a button, lifting the handset or answering a call.

## Backlit LCD display

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

## ➔ Making Calls

### With the Base Unit (Digital Duplex Speakerphone)

1 Press **DIGITAL SP-PHONE**.

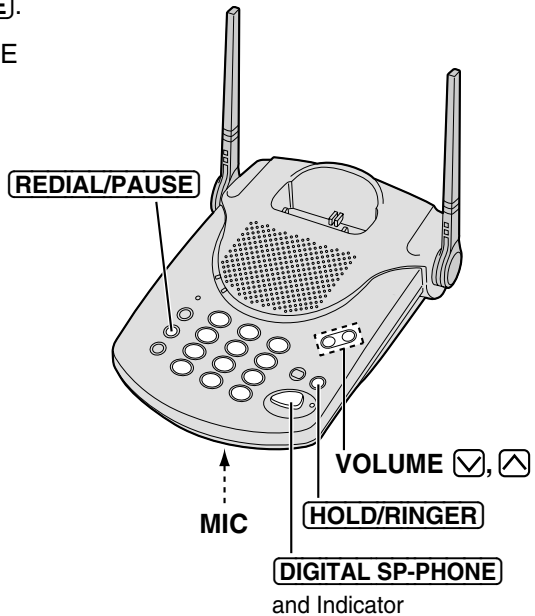
- The DIGITAL SP-PHONE indicator lights.

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.



- To switch to the handset while using the speakerphone:
  - If the handset is off the base unit, press **TALK**.
  - If on the base unit, just lift up.
- During a call using the handset, the call can be switched to the speakerphone by pressing **DIGITAL SP-PHONE**.

#### Hands-free Digital Duplex Speakerphone

For best performance, please note the following:

- Talk alternately with the caller in a quiet room.
- If the other party has difficulty hearing you, 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 adjust the speaker volume (8 levels) while talking

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

## To release the hold

From the base unit, press **DIGITAL SP-PHONE**.

From the handset, press **TALK** or lift the handset off the base unit.

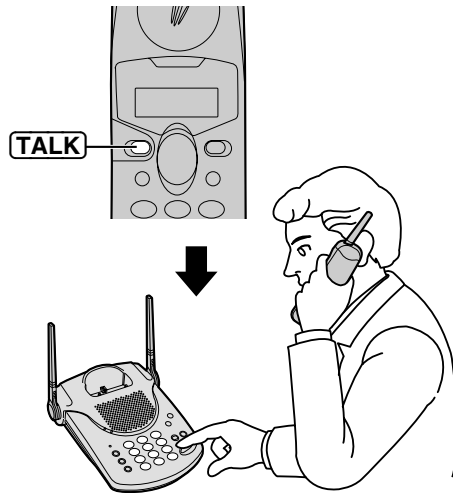
- If another phone is connected on the same line (p. 54), you can also release the hold by lifting its handset.

## ➔ Making Calls

### 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 on 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 possible 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 telephone number.
  - You can 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.



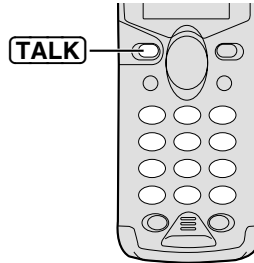
# Answering Calls

When a call is received, the unit rings and “Incoming call” is displayed. If you subscribe to a Call Display service, the calling party information will be displayed after the first ring (p. 26). In order to view the CALL DISPLAY information, please wait until the second ring to answer a call.

## With the Handset

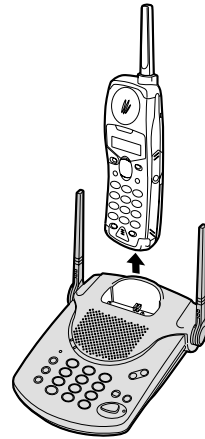
If the handset is off the base unit, press **TALK**.

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



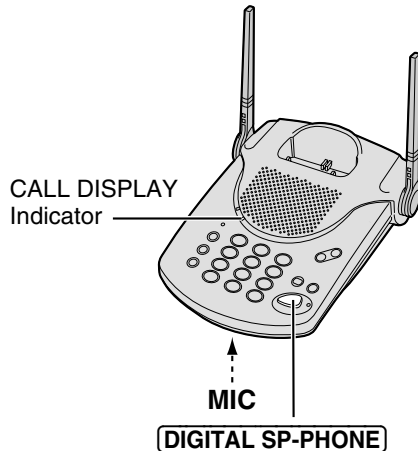
## Auto Talk

If you set the Auto Talk feature to ON (p. 18), you can answer a call by lifting the handset off the base unit without pressing **TALK**.



## With the Base Unit

- 1 Press **DIGITAL SP-PHONE**.
- 2 Talk into the **MIC**.
- 3 To hang up, press **DIGITAL SP-PHONE**.



# Call Display Service

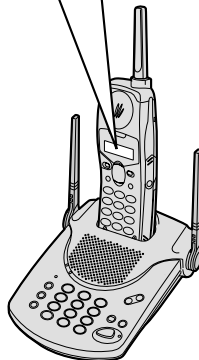
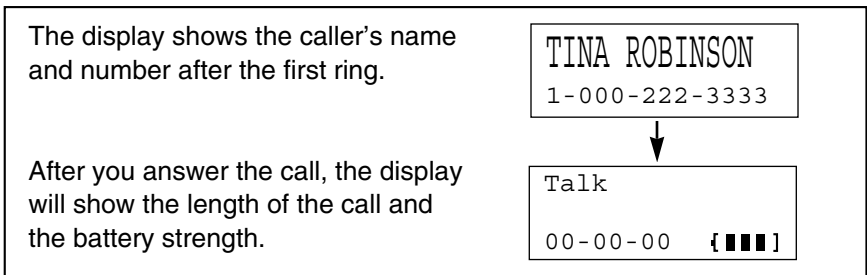
This unit is compatible with a Call Display service offered by your telephone company. After subscribing to a Call Display service, the calling party's information will be displayed after the first ring.

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

Using the list, you can automatically call back a caller. You can store the callers' numbers from the Caller List in the directory.

If you subscribe to a Visual Call Waiting (Call Waiting ID) service, when a second call is received while talking, the new caller's name and phone number will be displayed (p. 48).

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



- Caller information cannot be displayed in the following cases:
  - If the caller dialed from an area which does not provide a Call Display service, the display will show “Unavailable Name & No.”.
  - If a long distance call is identified, and the caller's name and/or number cannot be received, the display will show “Long distance”.
  - If the caller has requested not to display their information, the display will show “Private caller”.

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

## To check the number of new calls

When new calls have been received, the CALL DISPLAY indicator flashes on the base unit.

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

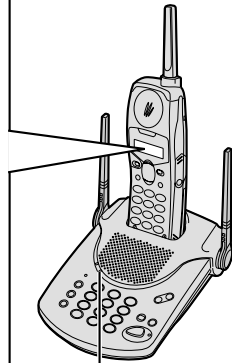
If you have received 10 new calls, the display will show the following:

```
10 new callers
{■■■■}
```

When you lift the handset, the display changes to the following:



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

- After 10 seconds, the display changes to the standby mode (p. 12).

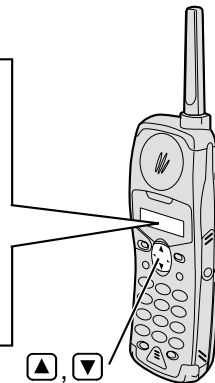


CALL DISPLAY Indicator

### While the handset is off the base unit:

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



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







# Using the Caller List

## Viewing the Caller List

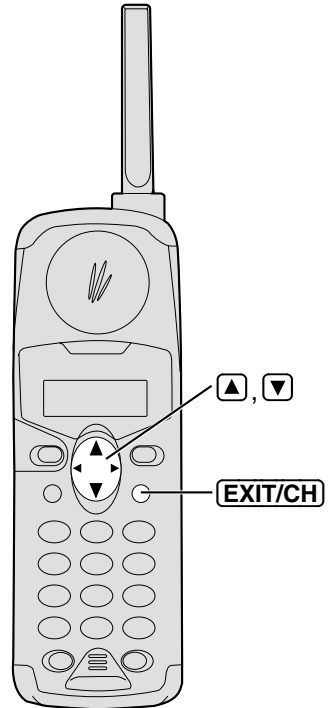
To check who has called, follow the steps below.  
**Make sure that the unit is in the standby mode.**

- 1 Lift the handset off the base unit.  
OR  
If the handset is off the base unit,  
press  or  to enter the list:
  - The display will show the following:

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

- 2 To search from the most recent call,  
press  (New key).  
To search from the oldest call, press  
 (Old key).
  - To scroll between callers, press  or .

- 3 To exit the list, press **EXIT/CH**.
  - The handset will return to the standby mode.



- Once new calls have been checked, “√” will be added.
- If “No items stored” is displayed in step 1, the Caller List is empty.
- If more than one call is received from the same caller, the date and time of the last call will be recorded. If the same caller calls again, the call entry with “√” will be deleted.



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

Lift the handset off the base unit.

OR

If the handset is off the base unit, press or .

2 new callers  
v=New      ^=Old

Press .

JACK SMITH  
111-2222  
3:10P JUN10

Press .

NANCY BROWN  
222-3333  
1:54P JUN 9 x2

Press .

CINDY TURNER  
1-234-456-7890  
10:38A JUN 9 ✓

Press .

0 new caller  
v=New      ^=Old

Press .

- If there is no name information for a caller, the display will only show the phone number.

**To return to the previous caller,**  
press .

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

- The handset will return to the standby mode.

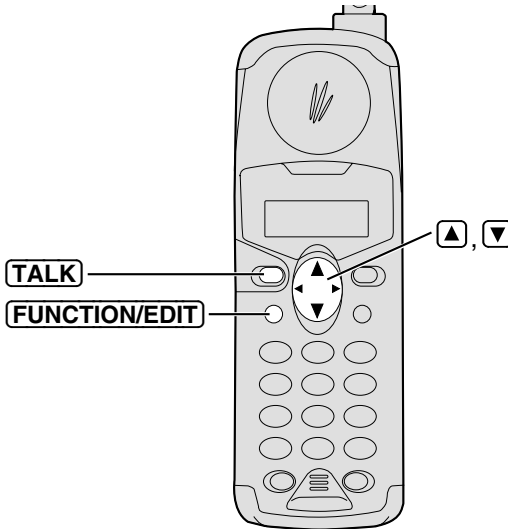
### Display meaning:

✓ : You have checked this caller information, answered the call or called back the caller.

x2 - x9 : The number of times the same caller called (up to 9).  
After checking, "x2" - "x9" will be replaced with "✓".

## ➔ Using the Caller List

### Calling Back from the Caller List



- 1** Lift the handset off the base unit.  
OR  
If the handset is off the base unit, press **▼** or **▲** to enter the list.

3 new callers  
v=New      ^=Old

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

CINDY TURNER  
1-234-456-7890  
11:20A JAN12 x3

- 3** Press **TALK**.
- The displayed phone number is dialed automatically.

Talk  
1234567890

Talk  
00-00-00 [■■■■]

- In some cases you may have to edit the number before dialing (p. 31). (Ex. You may have to add "1" for long distance calls.)
- If 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.

**Make sure that the unit is in the standby mode.**

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

5 new callers	
∇=New	∧=Old

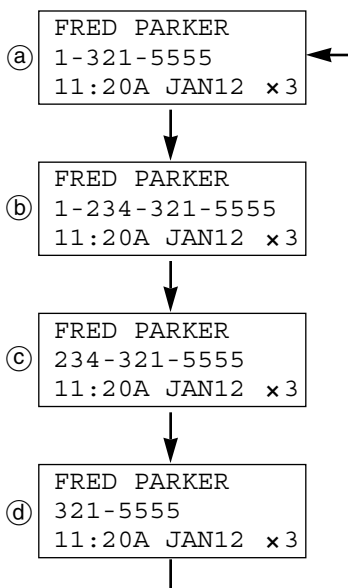
- 2** Press or repeatedly to find the desired caller.

FRED PARKER
321-5555
11:20A JAN12 x3

- 3** Press **FUNCTION/EDIT** to select a pattern. Each time you press **FUNCTION/EDIT**, the number is rearranged into one of 4 different patterns.

- (a) 1 -
- (b) 1 -  -
- (c)  -
- (d)

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





- 4** After editing the number, you can continue with calling back or storing procedures.  
To call back, press **TALK** (p. 30).  
To store the number in the directory, press **OK** , and follow the instructions on the display (see page 32, from step 3).

## ➔ Using the Caller List




### Storing Caller List Information in the Directory

You can store names and phone numbers that are in the Caller List into the directory.

**Make sure that the unit is in the standby mode.**


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

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

- 2** Press  or  repeatedly to find the caller you want to store in the directory, and press **OK** .



```
CINDY TURNER
1-234-456-7890
11:20A JAN12 x3
```

- If the number requires editing, see page 31.

- 3** While the arrow points to “Save directory”, press **OK**  (Yes key).

```
▶Save directory
Clear
v^          OK=Yes
```

**If there is no name information for the caller, “Enter name” will be displayed.**

- a) If a name is not required, press **OK**   
(Save key).
- b) If a name is required, enter the name (p. 36). When finished, press **OK**   
(Save key).

```
Enter name
■
*#=←→    OK=Save
```

```
Enter name
CINDY TURNER
*#=←→    OK=Save
```

- A beep sounds.
- The display will return to step 2. You can continue storing other items. To return to the standby mode, press **EXIT/CH**.

- You can exit the programming mode any time by pressing **EXIT/CH**.
- If the display shows “Memory is full” in step 3, the display will return to step 2. Press **EXIT/CH** to exit the list.  
To erase other stored items from the directory, see page 41.
- You cannot store caller information in the directory if a phone number is not displayed.



## Erasing Caller List Information

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

**Make sure that the unit is in the standby mode.**

### To erase a specific caller from the Caller List

- 1 Lift the handset off the base unit.  
OR  
If the handset is off the base unit, press **▼** or **▲** to enter the list.

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

- 2 Press **▼** or **▲** repeatedly to find the caller you want to erase from the caller list. Press **OK** **▶**.

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

- 3 Press **▼** or **▲** to select "Clear".

```
Save directory
▶Clear
v^      OK=Yes
```

- 4 Press **OK** **▶** (Yes key).
  - A beep sounds and the information is erased.
  - After a few seconds, the display will show the previous caller information.
  - To return to the standby mode, press **EXIT/CH**.

```
Clear
```

### To erase all entries in the Caller List

- 1 Lift the handset off the base unit.  
OR  
If the handset is off the base unit, press **▼** or **▲** to enter the list.

Make sure this display is shown.

```
0 new caller
v=New      ^=Old
```

- 2 Press **OK** **▶**.
- 3 Press **▼** or **▲** to select "All clear".

```
Exit
▶All clear
v^      OK=Yes
```

- 4 Press **OK** **▶** (Yes key).
  - A beep sounds and all entries are erased.
  - The handset will return to the standby mode.

```
All clear
```

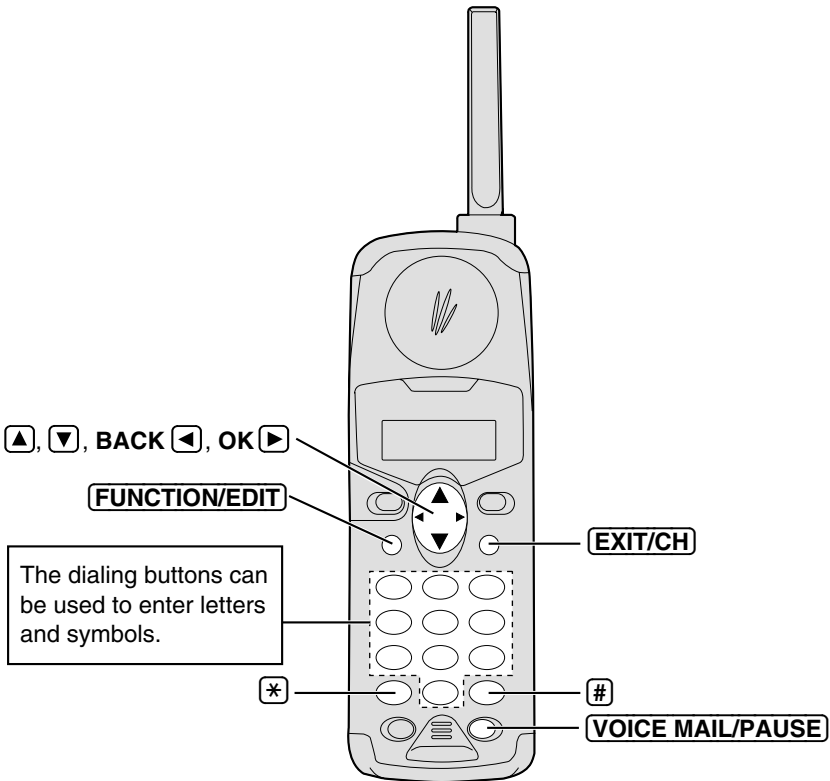
# Using the Directory

---

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

Make sure that the unit is in the standby mode.





1 Press **FUNCTION/EDIT**.

```
Ringer volume
▶Program
v^      OK=Yes
```

```
▶Save directory
Set flash time
v^      OK=Yes
```

```
Directory=
      0 item
```

```
Enter name
█
*#=←→  OK=Next
```

```
Enter name
Tom Jones
*#=←→  OK=Next
```

2 Press **▼** or **▲** repeatedly until the arrow points to “Program”, and press **OK** **▶** (Yes key).

3 While the arrow points to “Save directory”, press **OK** **▶** (Yes key).

4 Enter a name, up to 15 characters, with the dialing buttons, **\*** (←) or **#** (→).

- See the steps for entering names and symbols on page 36.
- If a name is not required, press **OK** **▶** (Next key) and go to step 6.

5 Press **OK** **▶** (Next key).

```
Enter phone no.
```

```
0987654321 █
      OK=Save
```

6 Enter a phone number up to 22 digits.

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

7 Press **OK** **▶** (Save key).

```
Tom Jones
0987654321
```

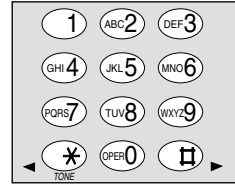
- A beep sounds.
- The display will return to step 2. You can continue storing other items after pressing **OK** **▶** (Yes key).
- To return to the standby mode, press **EXIT/CH**.

- If a pause is required for dialing, **VOICE MAIL/PAUSE** can be stored in a phone number, in step 6. This counts as one digit (p. 52).
- You can exit the programming mode any time by pressing **EXIT/CH**.
- If the display shows “Memory is full” in step 3, the display will return to step 2. Press **EXIT/CH**, and erase other stored items from the directory (p. 41).

## ➔ Using the Directory

### Steps for Entering Names and Symbols

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



Keys	Number of times key is pressed										
	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									
*	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, press **BACK** (◀) to delete, and enter the correct character. Each time you press **BACK** (◀), a character is erased from the right.

To erase all characters, press and hold **BACK** (◀).



## For example, to enter “Tom Jones”:

- 1 Press **FUNCTION/EDIT**.
- 2 Press **▼** repeatedly until the arrow points to “Program”, and press **OK** **▶** (Yes key).
- 3 While the arrow points to “Save directory”, press **OK** **▶** (Yes key).
- 4 Press **8**.
- 5 Press **6** six times, then press **#** (→) to move the cursor to the right.
- 6 Press **6** four times.
- 7 Press **#** (→) twice to enter a blank.
- 8 Press **5**.
- 9 Press **6** six times, then press **#** (→) to move the cursor to the right.
- 10 Press **6** five times.
- 11 Press **3** five times.
- 12 Press **7** eight times.
- 13 When finished, press **OK** **▶** (Next key).

```
Directory=
  20 items
```

```
Enter name
█
*#=←→  OK=Next
```

```
T
```

```
To
```

```
Tom
```

```
Tom
```

```
Tom J
```

```
Tom Jo
```

```
Tom Jon
```

```
Tom Jones
```

```
Enter name
Tom Jones
█
*#=←→  OK=Next
```

```
Enter phone no.
```

- To enter a phone number, see page 35, from step 6.

- While entering names, the cursor will flash on the display.
- To enter another character using the same dialing button, press **#** (→) to move the cursor to the next space.

## ➔ Using the Directory

### Finding Items in the Directory

Make sure that the unit is in the standby mode.

1 Press **FUNCTION/EDIT**.

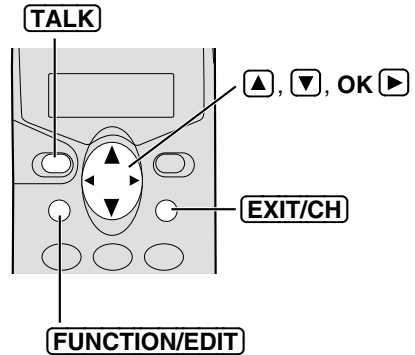
2 Press **▼** or **▲** repeatedly until the arrow points to "Directory".

```
Redial
▶Directory
▽^      OK=Yes
```

3 Press **OK** **▶** (Yes key).

- The first item is displayed.

```
Ann
1234567890
```



4 Press **▼** or **▲** repeatedly until the desired item is displayed.

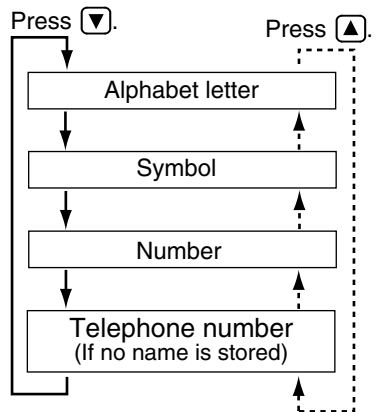
- All directory items are stored in the order shown on the right.

#### To search for a name by initial:

① Press the dialing button for the first letter of the desired name until any name with the same initial is displayed (see the Index table on page 39).

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

② Press **▼** until the name is displayed.



- You can leave the directory any time by pressing **EXIT/CH**.
- If "No items stored" is displayed in step 3, the directory is empty.



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 **FUNCTION/EDIT**.

```

▶Redial
  Directory
v^      OK=Yes
  
```

2 Press **▼** or **▲** repeatedly until the arrow points to "Directory".

```

  Redial
▶Directory
v^      OK=Yes
  
```

3 Press **OK** **▶** (Yes key).  
• The first item is displayed.

```

Frank
4567890
  
```

4 Press **▼** or **▲** repeatedly to find the directory item that you want to dial (p. 38).

• To exit the directory, press **EXIT/CH**.

5 Press **TALK**.  
• The number is dialed automatically.

```

Talk
4567890
  
```

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

## ➡ Using the Directory

### Editing an Item in the Directory

Make sure that the unit is in the standby mode.

- 1 Press **FUNCTION/EDIT**.
- 2 Press **▼** or **▲** repeatedly until the arrow points to "Directory".

Redial  
▶Directory  
v^ OK=Yes
- 3 Press **OK** **▶** (Yes key).
  - The first item is displayed.
- 4 Press **▼** or **▲** repeatedly to find the directory item you want to change (p. 38). Then press **OK** **▶**.

Jane  
1234567
- 5 While the arrow points to "Edit", press **OK** **▶**.

▶Edit  
Clear  
v^ OK=Yes
- 6 Press **OK** **▶** (Yes key).
  - If you do not need to change the name, go to step 8.
- 7 Edit the name using the dialing buttons, **\*** (**←**) or **#** (**→**) (p. 36), up to 15 characters.

Enter name  
Jane  
\*#=←→ OK=Next
- 8 Press **OK** **▶** (Next key).
  - If you do not need to change the number, press **OK** **▶** (Save key).
- 9 Add a number to the current number.

Enter name  
Jane Walker  
\*#=←→ OK=Next

  - Each time you press **BACK** **◀** the digit to the left of the cursor is erased. To erase all of the digits, press and hold **BACK** **◀**.
- 10 When finished, press **OK** **▶** (Save key).

1234567  
  
OK=Save

0981234567  
  
OK=Save

Jane Walker  
0981234567

  - The display will return to step 4. You can continue editing other items.
  - To return to the standby mode, press **EXIT/CH**.



- You can exit the programming mode any time by pressing **EXIT/CH**.

## Erasing an Item from the Directory

Make sure that the unit is in the standby mode.

- 1 Press **FUNCTION/EDIT**.
- 2 Press **▼** or **▲** repeatedly until the arrow points to "Directory".
- 3 Press **OK** **▶** (Yes key).
  - The first item is displayed.
- 4 Press **▼** or **▲** repeatedly to find the directory item you want to erase (p. 38).
- 5 Press **OK** **▶**.
- 6 Press **▼** or **▲** to select "Clear".
- 7 Press **OK** **▶** (Yes key).
  - The display will show the next item.
  - To return to the standby mode, press **EXIT/CH**.

```

Redial
▶Directory
v^          OK=Yes
  
```

```

Helen
1234567890
  
```

```

▶Edit
Clear
v^          OK=Yes
  
```

```

Edit
▶Clear
v^          OK=Yes
  
```

```

Clear
  
```

- You can exit the programming mode any time by pressing **EXIT/CH**.

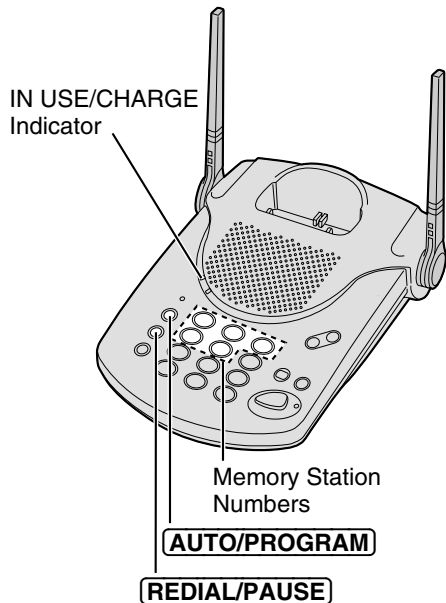
# Speed Dialer

## Storing Phone Numbers in Memory

You can store up to 5 phone numbers in the base unit. The dialing buttons (1 to 5) function as memory stations.

**Make sure that the unit is in the standby mode.**

- 1 Press **AUTO/PROGRAM**.
    - The IN USE/CHARGE indicator flashes.
  - 2 Enter a phone number, up to 22 digits.
    - If you misdial, press **AUTO/PROGRAM** twice to end storing, and start again from step 1.
  - 3 Press **AUTO/PROGRAM**.
  - 4 Press a memory station number (1 to 5).
- A beep sounds.
  - To store other numbers, repeat steps 1 through 4.



- If a pause is required for dialing, press **REDIAL/PAUSE** where needed. Pressing **REDIAL/PAUSE** counts as one digit (p. 52).

---

## To erase a stored number

Press **AUTO/PROGRAM** twice and the memory station number (**1** to **5**) for the phone number to be erased.

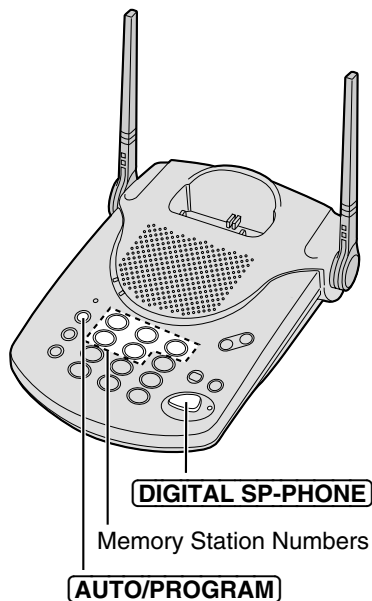
## Dialing a Stored Number

**1** Press **DIGITAL SP-PHONE**.

**2** Press **AUTO/PROGRAM**.

**3** Press the memory station number (**1** to **5**).

- The stored number is dialed.



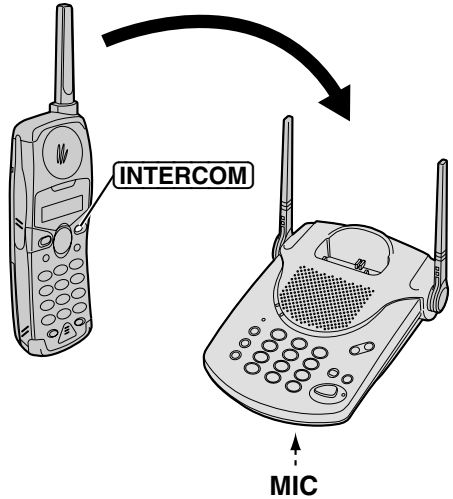
- Numbers stored in the base unit can only be dialed from the base unit.
- If your line has rotary or pulse service, any access numbers stored after pressing **TONE** will not be dialed.

# Intercom

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

## Paging the base unit from the handset

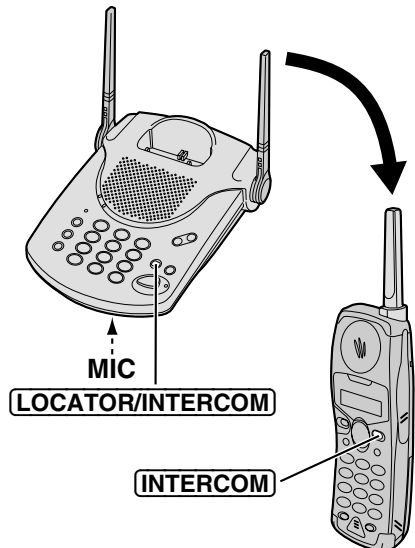
- 1 Handset:**  
Press **INTERCOM**. Talk to the paged party after the beeps.
  - “Intercom” is displayed.
- 2 Base unit:**  
When the other party’s voice is heard, answer using the **MIC**.
- 3 Handset:**  
To end the intercom, press **INTERCOM**.




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

Using this feature, you can locate a misplaced handset.

- 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 an intercom call:

- Intercom calls can only be ended with the handset.
- If the handset user has difficulty hearing the base unit user, decrease the base unit speaker volume by pressing **VOLUME** .
- If an incoming call is received, the intercom call stops and the unit starts to ring. To answer, press **TALK** or **DIGITAL SP-PHONE**.

## 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 the base unit.

### From the handset to the base unit

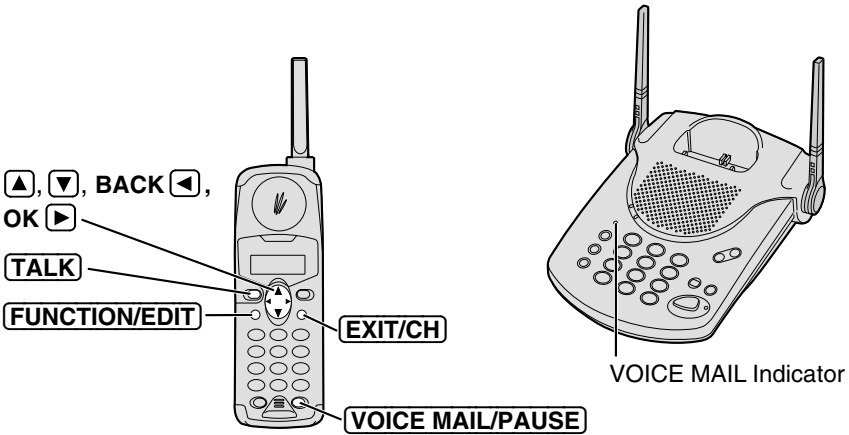
- 1** Handset:  
During a call, press **INTERCOM**. Talk to the paged party after the beeps.
  - The call is put on hold and “Intercom hold” is displayed.
  - If the base unit user does not answer, press **TALK**.
- 2** Base unit:  
When the paging party’s voice is heard, answer using the **MIC**.
- 3** Base unit:  
To answer the call, press **DIGITAL SP-PHONE**.
  - The transfer is complete.

### 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 complete.

# Voice Mail Service

Voice mail service is an electronic on-line answering system offered by your telephone company. After subscribing, 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, "Voicemail" on the display and the VOICE MAIL indicator on the base unit will flash. You can access the voice mail system by simply pressing **VOICE MAIL/PAUSE**. To use this feature, you must first store your access number.



## Storing a Voice Mail Access Number

Make sure that the unit is in the standby mode.

1 Press **FUNCTION/EDIT**.

```
▶Redial
  Directory
v^      OK=Yes
```

2 Press **▼** or **▲** repeatedly until the arrow points to "Program".

```
  Ringer volume
▶Program
v^      OK=Yes
```

3 Press **OK ▶** (Yes key).

```
▶Save directory
  Set flash time
v^      OK=Yes
```

4 Press **▼** or **▲** repeatedly until the arrow points to "Save mailbox#".

```
▶Save mailbox#
  Set line mode
v^      OK=Yes
```

5 Press **OK ▶** (Yes key).

```
Enter mailbox#
```

- 6** Enter your access number, up to 32 digits.
- If you enter a wrong number, press **BACK** . Digits are erased from the right.

1234567890

OK=Save

- 7** Press **OK** (Save key).
- A beep sounds.
  - To return to the standby mode, press **EXIT/CH**.

1234567890

Save mailbox#

## To erase a stored number

Press **BACK** in step 6.

- You can exit the programming mode any time by pressing **EXIT/CH**.

## Listening to Voice Mail Messages

After receiving a voice mail message, “Voicemail” on the display and the VOICE MAIL indicator on the base unit will flash. To listen to your voice mail, follow the steps below.

- 1** Press **VOICE MAIL/PAUSE**.

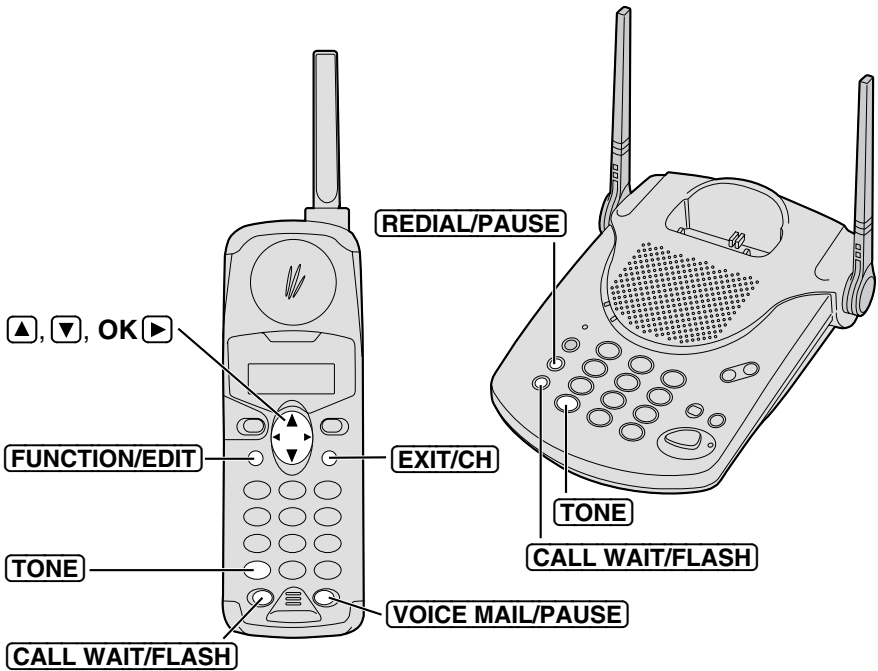
- The unit is connected to the telephone line and automatically dials the access number (p. 46).

- 2** Follow the pre-recorded instructions.

- 3** When finished, press **TALK**.

- If “Voicemail” on the display and the VOICE MAIL indicator on the base unit still flash even after you have listened to your voice mail message(s), press and release **FUNCTION/EDIT**, then press and hold **VOICE MAIL/PAUSE** until the unit beeps. The indicator will turn off and “Voicemail” on the display will disappear.
- Many voice mail services alert you when a new message has been received. In such a case, you will hear a series of voice mail tones, before the dial tone, when **TALK** is pressed.
- If your voice mail service uses a voice mail tone, the tone will be heard from any parallel connected phone. If you use another phone to retrieve messages, you have to dial your access number manually.

# Special Features



## 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.
- The call waiting service is not accessible when a parallel connected telephone is in use.
- If this function does not operate properly, consult your telephone company for details.

## Visual Call Waiting (Call Waiting ID) Service

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

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

- The second caller's information will not be displayed if you are having a conversation using the base unit while the handset is off the base unit.
- Please contact your telephone company for details and availability in your area.





# Call Waiting Deluxe Service

This unit is compatible with a Call Waiting Deluxe Service offered by your telephone company.

After subscribing, Call Waiting Deluxe Service not only allows your handset to display the second caller's information, but also offers you a variety of ways to deal with the second call (p. 50).

Before using Call Waiting Deluxe Service, turn the "C.WTG (Call Waiting) options" mode on by programming.

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

## To turn the "C.WTG (Call Waiting) options" mode on

Make sure that the unit is in the standby mode.

1 Press **FUNCTION/EDIT**.

2 Press **▼** or **▲** repeatedly until the arrow points to "Program".

Ringer volume
▶Program
▼▲ OK=Yes

3 Press **OK** **▶** (Yes key).

4 Press **▼** or **▲** repeatedly until the arrow points to "C.WTG options".

Chnge language
▶C.WTG options
▼▲ OK=Yes

5 Press **OK** **▶** (Yes key).

C.WTG options
:Off
▼▲ OK=Save

6 Press **▼** or **▲** to select "On".

C.WTG options
:On
▼▲ OK=Save

7 Press **OK** **▶** (Save key).

- A beep sounds.
- To return to the standby mode, press

**EXIT/CH**.

C.WTG options
:On

To turn the "C.WTG (Call Waiting) options" mode off, press **▼** or **▲** in step 6.

- You can exit the programming mode any time by pressing **EXIT/CH**.

## ➔ Special Features

---

### To use Call Waiting Deluxe Service

You can choose from the options on the display as shown below.

Display	Signification
Ans (Answer)	Answers the second call while keeping the first call on hold.
Hold	Plays the pre-recorded hold message from the telephone company for the second caller and the second call is put on hold.
Annc (Announcement)	Plays the pre-recorded busy message from the telephone company for the second caller (Ex. "We are not available now") and hangs up the second call.
Fwd (Forward)	Forwards the second call to your voice mail if you subscribe to a voice mail service (p. 46).
Drop	Hangs up the current call and answers the waiting call.
Conf (Conference)	Answers the second call and combines it with the first call to make a conference call. <b>During a conference call</b> , you can choose either "Drop caller1" or "Drop caller2" to hang up the first or second call.
Return	Returns to the waiting caller, while keeping the current call on hold.

**1** When you hear a call-waiting tone while talking, the second caller's information is displayed. Press **CALL WAIT/FLASH**.

- The option menu is displayed.

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

1:Ans	4:Fwd
2:Hold	5:Drop
3:Annc	6:Conf

**2** Enter a displayed option number (1 to 6) to select the desired option.

- The length of the call is displayed.



### After selecting “Ans” (Answer) or “Hold”:

You can choose one of the following options:

“Return”—to return to the waiting call.

“Drop”—to hang up the current call and answer the waiting call.

“Conference”—to make a conference call.

Press **CALL WAIT/FLASH** to display the option menu. Enter a displayed option number (1 to 3) to select the desired option.

1:Return
2:Drop
3:Conference

- If “Return” is selected, you can choose an option in the same option menu again. Press **CALL WAIT/FLASH**.

### After selecting “Conf” (Conference):

You can choose one of the following options:

“Drop caller1”—to hang up the first call.

“Drop caller2”—to hang up the second call.

Press **CALL WAIT/FLASH** to display the option menu. Enter a displayed option number (1 or 2) to select the desired option.

1:Drop caller1
2:Drop caller2

- In step 2, you can also select the desired option by pressing **▼** or **▲** repeatedly, until the option flashes, then press **CALL WAIT/FLASH**.
- To cancel the option menu, press **EXIT/CH** or wait for 20 seconds. The display will return to the length of the call.
- The call waiting service is not accessible when a parallel connected telephone is in use.
- If this function does not operate properly, consult your telephone company for details.

### Automatic Security Code Setting

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

### How to Use the PAUSE Button

(For Analogue PBX Line/Long Distance Service Users)

We recommend you press **VOICE MAIL/PAUSE** or **REDIAL/PAUSE** if a pause is required for dialing with a PBX or to access a long distance service.

Ex. Line access number **9** (PBX)

**9** ➡ **VOICE MAIL/PAUSE** or **REDIAL/PAUSE** ➡ Phone number

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

### Temporary Tone Dialing

(For Rotary or Pulse Service Users)

Press **TONE** before entering access numbers which require tone dialing.

- The dialing mode changes to tone. You can enter numbers to access an answering service, electronic banking service, etc. When you hang up, the mode will return to pulse.
- Access numbers entered after pressing **TONE** will not be included when redialing.

# FLASH Button

Pressing **CALL WAIT/FLASH** allows you to use special features of your host PBX such as transferring an extension call or accessing special telephone services (optional) such as call waiting.

## Selecting the flash time

The flash time depends on your telephone exchange or host PBX. You can select from flash times (call waiting times): “700, 600, 400, 300, 250, 110, 100 or 90 ms (milliseconds)” using the handset near the base unit. Your phone comes from the factory set to “700 ms”.

**Make sure that the unit is in the standby mode.**

1 Press **FUNCTION/EDIT**.

2 Press **▼** or **▲** repeatedly until the arrow points to “Program”.

```
Ringer volume
▶Program
v^          OK=Yes
```

3 Press **OK** **▶** (Yes key).

4 Press **▼** or **▲** repeatedly until the arrow points to “Set flash time”.

```
Save directory
▶Set flash time
v^          OK=Yes
```

5 Press **OK** **▶** (Yes key).

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

6 Press **▼** or **▲** repeatedly until the desired time is displayed.

7 Press **OK** **▶** (Save key).

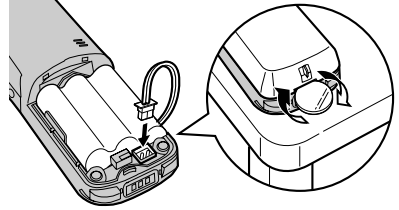
- A beep sounds.
- To return to the standby mode, press **EXIT/CH**.

- You can exit the programming mode any time by pressing **EXIT/CH**.
- If 3 beeps sound and the display shows “Save error”, move closer to the base unit and try again. If “Save error” is still displayed, place the handset on the base unit. Start again from step 1.
- If you are connected via a PBX, a longer flash time may be necessary to use PBX functions (transferring a call etc.). Consult your PBX installer or the correct setting.

# Battery Replacement

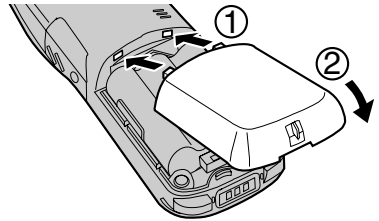
If “Recharge” is displayed and/or “[ ■ ]” flashes after being fully charged, replace the battery with a new Panasonic HHR-P401 battery. To avoid memory loss, replace within 3 minutes.

- 1 Lay the handset on a flat surface. **Carefully** insert a flat metal object and turn **slowly** to remove the cover.



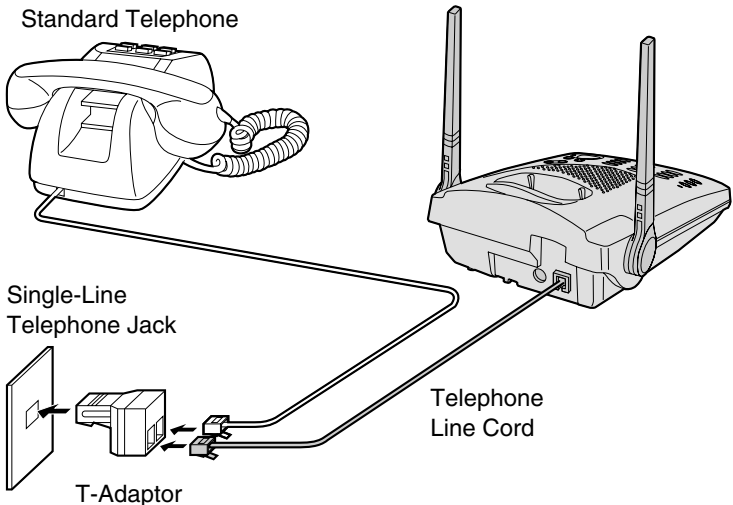
- 2 Replace the battery, and close the cover.

- 3 Be sure to charge the new battery for about 7 hours in order to display the battery strength prompt correctly (p. 11).



# Adding Another Phone

This unit will not function during a power failure. To connect a standard telephone on the same line, use a T-adaptor.



# Before Requesting Help



Problem	Remedy
“No link to base Place on cradle and try again.” is displayed and an alarm tone sounds.	<ul style="list-style-type: none"><li>• You are too far from the base unit. Move closer and try again.</li><li>• Place the handset on the base unit and try again.</li><li>• Plug in the AC adaptor.</li><li>• Raise the base unit antennas.</li><li>• The charge contacts of the base unit and the handset are not clean. Clean the charge contacts with a soft, dry cloth. Place the handset back on the base unit. Lift the handset after 5 seconds and try again.</li></ul>
The unit does not work.	<ul style="list-style-type: none"><li>• Check the settings (p. 10–16).</li><li>• Charge the battery fully (p. 11).</li><li>• Clean the charge contacts and charge again (p. 12).</li><li>• Install the battery properly (p. 54).</li><li>• Place the handset on the base unit and unplug the AC adaptor to reset. Plug in, and try again.</li><li>• Re-install the handset battery within 3 minutes to avoid memory loss and place the handset on the base unit. Then try again.</li></ul>
Static, sound cuts in/out, fades. Interference from other electrical units.	<ul style="list-style-type: none"><li>• Locate the handset and the base unit away from other electrical appliances (p. 3).</li><li>• Move closer to the base unit.</li><li>• Raise the base unit antennas.</li><li>• Press <b>EXIT/CH</b> to select a clearer channel.</li></ul>
The handset does not ring.	<ul style="list-style-type: none"><li>• The ringer volume is set to OFF. Set to HIGH or LOW (p. 19).</li></ul>
The base unit does not ring.	<ul style="list-style-type: none"><li>• The ringer volume is set to OFF. Press <b>HOLD/RINGER</b> while the unit is in the standby mode (p. 19).</li></ul>

## ➔ Before Requesting Help

Problem	Remedy
The handset display is blank.	<ul style="list-style-type: none"><li>• The handset is in the standby mode (p. 12). Press <b>▼</b> or <b>▲</b> to turn the display on.</li></ul>
The handset display is still blank after pressing <b>▼</b> or <b>▲</b> .	<ul style="list-style-type: none"><li>• Charge the battery fully (p. 11).</li></ul>
You cannot program items, such as the dialing mode.	<ul style="list-style-type: none"><li>• Programming is not possible while the unit is in the talk, speakerphone or intercom mode.</li><li>• Do not pause for over 60 seconds while programming.</li><li>• <b>▼</b> or <b>▲</b> may have been pressed when you picked up the handset. Press <b>EXIT/CH</b>, and try again.</li></ul>
Previously programmed information is erased.	<ul style="list-style-type: none"><li>• If a power failure occurs, programmed information may be erased. Reprogram if necessary.</li></ul>
You cannot store a name and phone number in the directory or cannot store a phone number in speed dial memory.	<ul style="list-style-type: none"><li>• You cannot store an item in the directory while the unit is in the talk or intercom mode.</li><li>• You cannot store a phone number in speed dial memory while the unit is in the speakerphone, talk or intercom mode.</li><li>• Do not pause for over 60 seconds while storing.</li></ul>
While programming or searching, the unit starts to ring and stops the program/search.	<ul style="list-style-type: none"><li>• To answer the call, press <b>TALK</b> or <b>DIGITAL SP-PHONE</b>. Start again from the beginning after hanging up.</li></ul>





Problem	Remedy
The unit does not display the caller's name and/or phone number.	<ul style="list-style-type: none"><li>• Other telephone equipment may be interfering with your phone. Disconnect it and try again.</li><li>• Other electrical appliances connected to the same outlet may be interfering with the Call Display information.</li><li>• Telephone line noise may be affecting the Call Display information.</li></ul>
The display goes to the standby mode while viewing the Caller List.	<ul style="list-style-type: none"><li>• Do not pause for over 60 seconds while searching.</li><li>• <b>DIGITAL SP-PHONE</b> was pressed.</li></ul>
When a second call is received during a conversation, the unit does not display the new caller's name and/or phone number.	<ul style="list-style-type: none"><li>• The line mode selection is incorrect. See page 16.</li></ul>
<b>LOCATOR/INTERCOM</b> does not function.	<ul style="list-style-type: none"><li>• The handset is too far from the base unit.</li><li>• The handset is engaged in an outside call or is viewing the Caller List. Wait until the IN USE/CHARGE indicator light goes out.</li></ul>

## ➔ Before Requesting Help

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Problem	Remedy
You cannot redial the last number dialed.	<ul style="list-style-type: none"><li>• If the last number dialed was more than 32 digits long, the number will not be redialed.</li><li>• Access numbers entered after pressing <b>(TONE)</b> will not be included when redialing.</li><li>• <b>(REDIAL/PAUSE)</b> on the base unit 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. 23). If another number has been dialed first, it will operate as a pause button (p. 52).</li></ul>
“Recharge” is displayed, “[ ■ ]” flashes or the unit beeps every minute.	<ul style="list-style-type: none"><li>• Charge the battery fully (p. 11).</li></ul>
You charged the battery fully, but “Recharge” is still displayed and/or “[ ■ ]” continues to flash.	<ul style="list-style-type: none"><li>• Clean the charge contacts and charge again (p. 11, 12).</li><li>• Install a new battery (p. 54).</li></ul>
The IN USE/CHARGE indicator light does not go out while charging.	<ul style="list-style-type: none"><li>• This is normal.</li></ul>
You cannot have a conversation using the headset.	<ul style="list-style-type: none"><li>• When the headset is plugged into the headset (p. 13), you must use the headset to talk with the caller. To have a normal cordless phone conversation, disconnect the headset.</li></ul>
You cannot have a conversation using the headset.	<ul style="list-style-type: none"><li>• Make sure that the headset is plugged into the headset jack properly (p. 13).</li></ul>

# Important Information

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## **NOTICE:**

The Industry Canada label identifies certified equipment. This certification means that the equipment meets telecommunications network protective, operational and safety requirements as prescribed in the appropriate Terminal Equipment Technical Requirements document(s). The Department does not guarantee the equipment will operate to the user's satisfaction.

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations.

Repairs to certified equipment should be coordinated by a representative designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

Users should ensure, for their own protection, that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.

## **Caution:**

Users should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority, or electrician, as appropriate.

## **NOTICE:**

The **Ringer Equivalence Number (REN)** assigned to each terminal device provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalence Numbers of all the devices does not exceed 5.

The Ringer Equivalence Number (REN) of This Unit:  
(found on the bottom of the unit).

## **NOTICE:**

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

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

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 farther away from the TV or VCR. This will often reduce, or eliminate, interference.

Operating near 2.4GHz electrical appliances may cause interference. Move away from the electrical appliances and/or press the CH (Channel) button.

## **Caution:**

The base unit must be installed indoors, otherwise, a radio license is required.

# Safety Instructions

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Take special care to follow the safety suggestions listed below.

## Safety

- 1) The unit should be connected to a power supply only of the type described in the operating instructions or as marked on the unit.
- 2) When left unused for a long period of time, the base unit should be unplugged from the household AC outlet.

## Installations

### Environment

- 1) Do not use this unit near water— for example, near a bathtub, washbowl, sink, etc. Damp basements should also be avoided.
- 2) The unit should be kept away from heat sources such as radiators, kitchen range, etc. It also should not be placed in rooms where the temperature is less than 5°C (41°F) or greater than 40°C (104°F).
- 3) The AC adaptor is used as the main disconnect device, ensure that the AC outlet is located/installed near the unit and is easily accessible.

### Placement

- 1) Do not place heavy objects on top of this unit.
- 2) Care should be taken so that objects do not fall onto, and liquids are not spilled into, the unit. Do not subject this unit to excessive smoke, dust, mechanical vibration or shock.
- 3) Place the unit on a flat surface.

### For best performance

- 1) If noise prevents the conversation from being understood at the handset, approach the base unit to lessen the noise.
- 2) The handset should be used at the HIGH volume setting when the reception tone is difficult to hear.
- 3) The handset should be fully recharged on the base unit when “Recharge” is displayed and/or “[ ■ ]” flashes.
- 4) The handset antenna should not be touched during use because of its high sensitivity.
- 5) The maximum calling distance may be shortened when the unit is used in the following places: Near obstacles such as hills, tunnels, undergrounds, near metal objects such as wire fences, etc.

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## Medical

Consult the manufacturer of any personal medical devices, such as pacemakers, to determine if they are adequately shielded from external RF (radio frequency) energy. (The unit operates in the frequency range of 904MHz to 925MHz and 2406MHz to 2478MHz, and the power output level can range from 0.02 watts to 0.40 watts.) Do not use the unit in health care facilities if any regulations posted in the area instruct you not to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF (radio frequency) energy.

## WARNING:

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THE BASE UNIT TO RAIN OR ANY TYPE OF MOISTURE. ONLY THE HANDSET IS SHOCK AND SPLASH RESISTANT.

- 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 specified authorized Panasonic Factory Servicentres. If the known working phone does not operate properly, consult your telephone company.

## Splash-Resistant (HANDSET ONLY)

The handset is designed to be splash resistant. You can use the handset with wet hands.

### CAUTION:

- **Do not immerse in water or leave under running water.**
- Keep the handset away from salt water.
- Avoid exposure to prolonged high humidity.
- Since water in the headset jack may cause damage, close the headset jack cover when the optional headset is not in use. When the optional headset is connected, do not use the handset with wet hands.
- If the handset is wet, wipe with a soft dry cloth.
- The base unit is not designed to be splash resistant. Do not place the wet handset on the base unit.

## Shock-Resistant (HANDSET ONLY)

Although the handset is designed to be shock resistant, do not throw or step on the handset.

## Panasonic Canada Inc.

5770 Ambler Drive, Mississauga, Ontario L4W 2T3

### PANASONIC PRODUCT—LIMITED WARRANTY

Panasonic Canada Inc. warrants this product to be free from defects in material and workmanship and agrees to remedy any such defect for a period as stated below from the date of original purchase.

**Telephone Accessory/Product**

—One (1) year, parts and labour

**FRS (Family Radio Service) Product**

—One (1) year, parts and labour

### LIMITATIONS AND EXCLUSIONS

This warranty does not apply to products purchased outside Canada or to any product which has been improperly installed, subjected to usage for which the product was not designed, misused or abused, damaged during shipping, or which has been altered or repaired in any way that affects the reliability or detracts from the performance, nor does it cover any product which is used commercially. Dry cell batteries are also excluded from coverage under this warranty.

Rechargeable batteries are warranted for ninety (90) days from date of original purchase.

This warranty is extended to the original end user purchaser only. A purchase receipt or other proof of date of original purchase is required before warranty service is performed.

**THIS EXPRESS, LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, EXCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.**

**IN NO EVENT WILL PANASONIC CANADA INC. BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES.**

In certain instances, some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, or the exclusion of implied warranties, so the above limitations and exclusions may not be applicable.

### WARRANTY SERVICE

**For product operation and information assistance**, please contact your Dealer or our Customer Care Centre at:

Telephone #: (905) 624-5505 Fax #: (905) 238-2360 Web: [www.panasonic.ca](http://www.panasonic.ca)

**For product repairs**, please contact one of the following:

- Your Dealer who will inform you of an authorized Servicentre nearest you.
- Our Customer Care Centre at (905) 624-5505 or [www.panasonic.ca](http://www.panasonic.ca)
- A Panasonic Factory Servicentre listed below:

#### Richmond, British Columbia

Panasonic Canada Inc.

13131 Bathgate Place

Richmond, BC V6V 1Z3

Tel: (604) 278-4211

Fax: (604) 278-5627

#### Calgary, Alberta

Panasonic Canada Inc.

6835-8th St. N. E.

Calgary, AB T2E 7H7

Tel: (403) 295-3955

Fax: (403) 274-5493

#### Mississauga, Ontario

Panasonic Canada Inc.

5770 Ambler Dr.

Mississauga, ON L4W 2T3

Tel: (905) 624-8447

Fax: (905) 238-2418

#### Lachine, Québec

Panasonic Canada Inc.

3075, rue Louis A. Amos

Lachine, QC H8T 1C4

Tel: (514) 633-8684

Fax: (514) 633-8020

### **CUSTOMER'S RECORD:**

**Customer Name:** \_\_\_\_\_

**Model No.:** \_\_\_\_\_ **Serial No.:** \_\_\_\_\_

**Date of Purchase:** \_\_\_\_\_

**Dealer's Name:** \_\_\_\_\_

**Address:** \_\_\_\_\_ **Phone Number:** \_\_\_\_\_

### **IF YOU SHIP THE PRODUCT TO A SERVICENTRE**

Carefully pack and send prepaid, adequately insured and preferably in the original carton. Include details of the defect claimed, and proof of date of original purchase.



**Panasonic Canada Inc.**

5770 Ambler Drive, Mississauga, Ontario L4W 2T3

[www.panasonic.ca](http://www.panasonic.ca)

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