

Panasonic

900MHz Cordless Phone

Model No. **KX-TCS970-B**

Pulse-or-tone dialing capability

Operating Instructions



DIGITAL
SS
SPREAD SPECTRUM

POWERTM
ANTENNA SYSTEM

PLEASE READ BEFORE USE AND SAVE.

SST HOTLINE
1-800-355-2211

Charge the battery for about 15 hours before initial use.

Preparation

Basic Operation

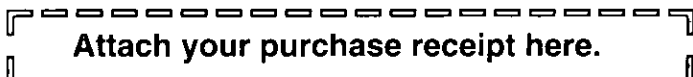
Advanced Operation

Useful Information

Before Initial Use

Please read **IMPORTANT SAFETY INSTRUCTIONS** on pages 32-33 before use. Read and understand all instructions.

Thank you for purchasing the Panasonic cordless telephone.



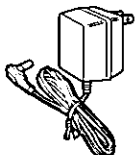
For your future reference

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

Name and address of dealer _____

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

AC Adaptor (p. 9)



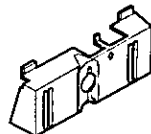
one

Telephone Line Cord (p. 9)



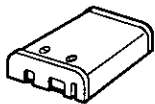
one

Wall Mounting Adaptor (p. 28)



one

Battery (p. 8, 26)



one

Handset Cover (p. 8)



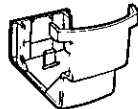
one

Cradle Cover (p. 8)



one

Handset Holder (p. 28)

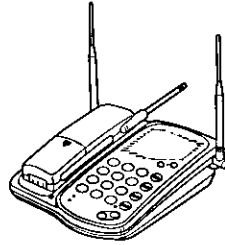


one

For Best Performance

Battery Charge

To power the handset, install the battery (p. 8) and charge it for about **15 hours** before initial use (p. 10).

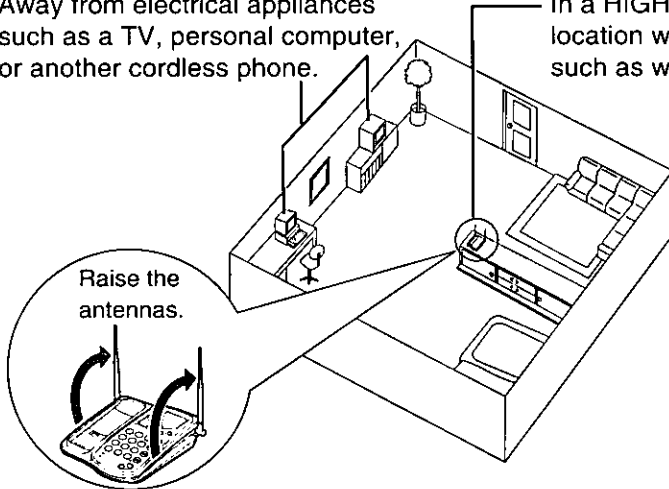


Operating Distance/Noise

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, personal computer, or another cordless phone.

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



900MHz Digital Spread Spectrum Technology

State-of-the art digital spread spectrum technology increases range longer than conventional Panasonic 900MHz cordless phones.

Voice Scrambling

Digital spread spectrum technology deters eavesdropping, to protect your privacy.

Power Antenna System™

Two antennas on the base unit help assure you of consistent sound quality and reception.

Auto Channel Access

The unit constantly monitors the channel noise level and if noise interference occurs, automatically switches to a clearer channel.

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Advanced Operation

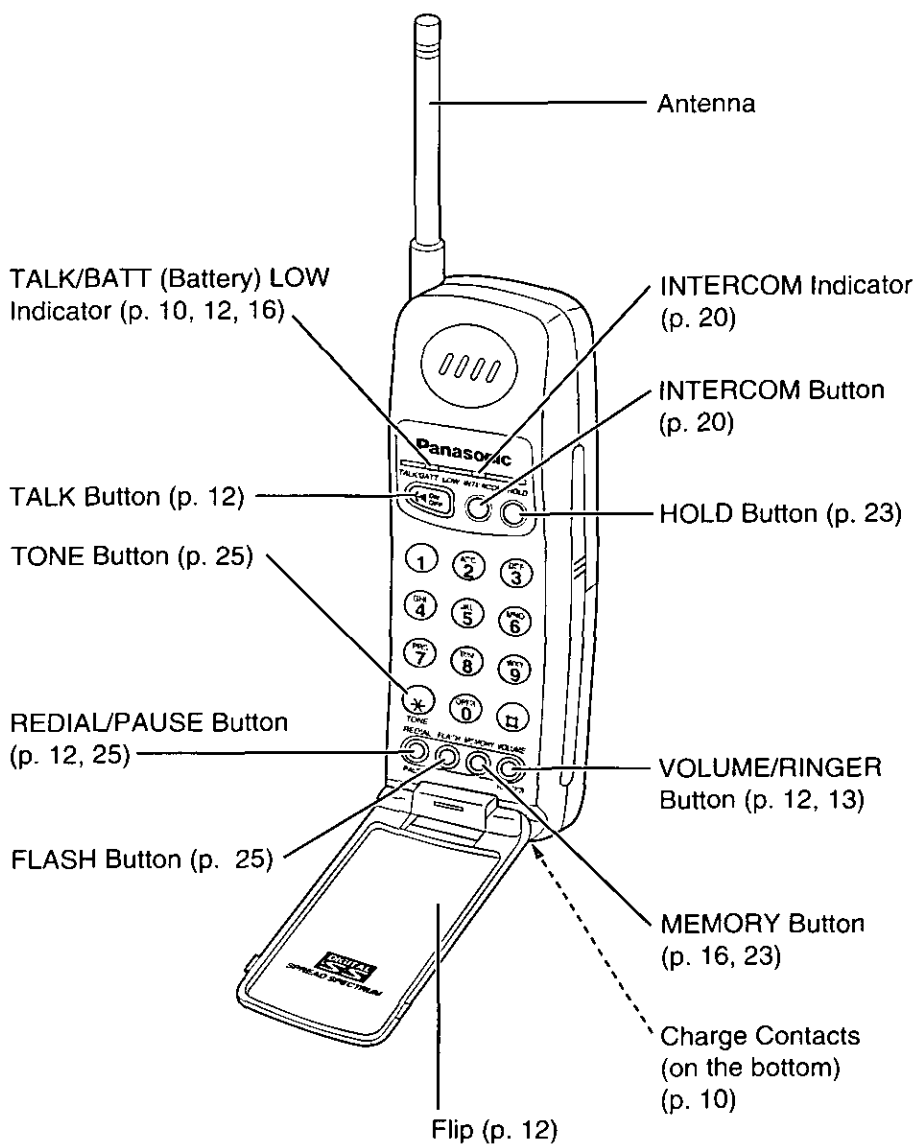
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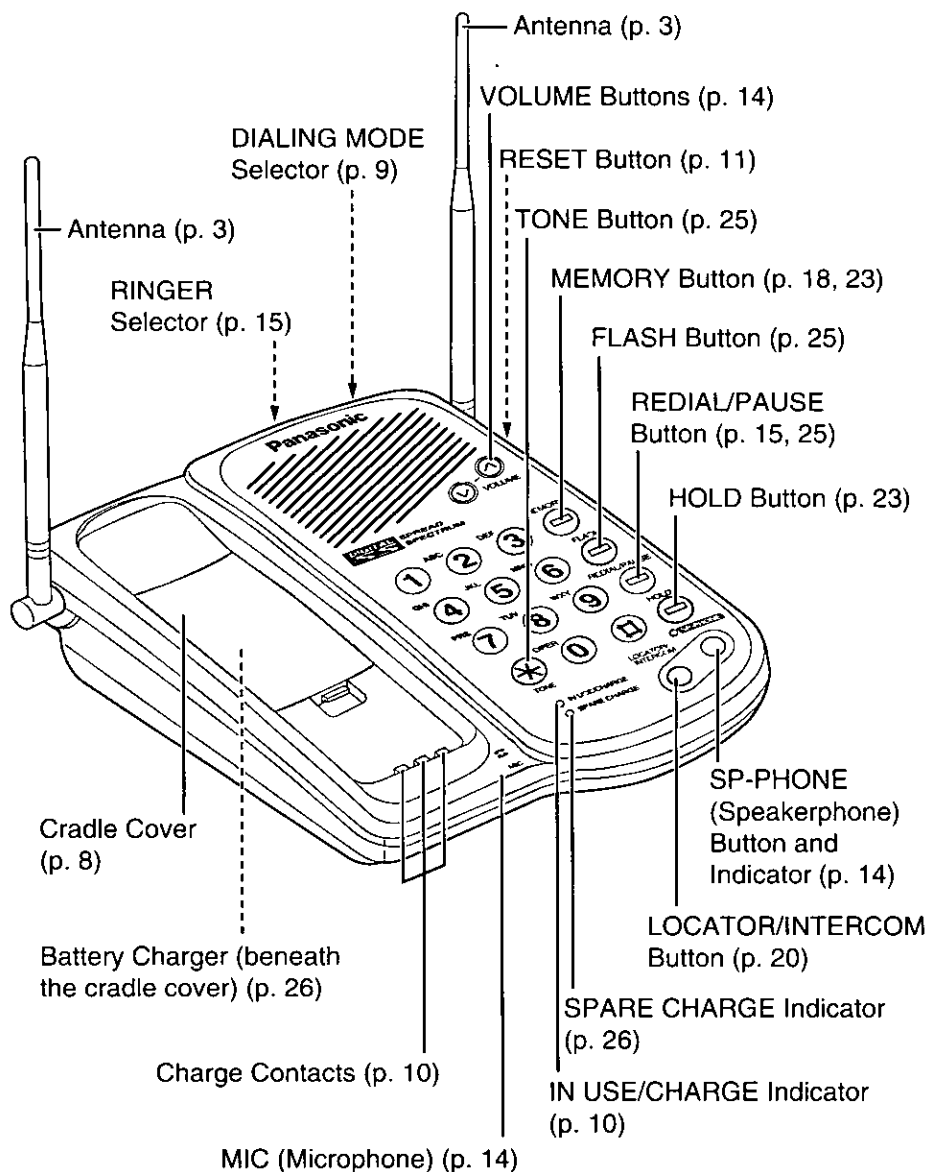
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Location of Controls

Handset



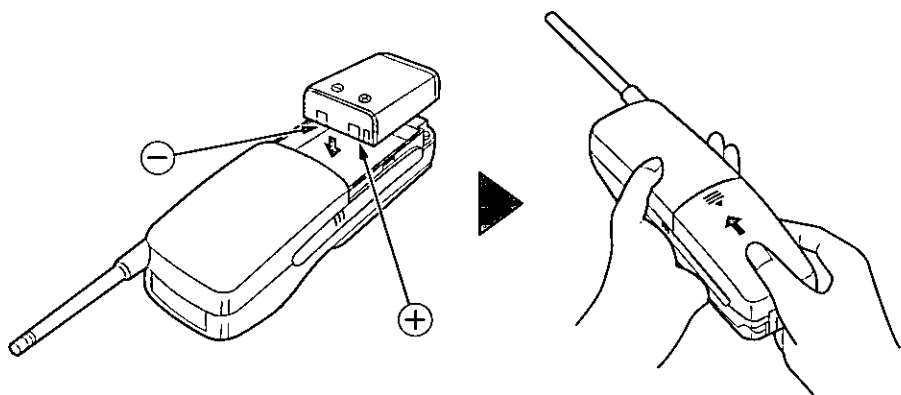
Base unit



Setting Up

Installing the Battery in the Handset

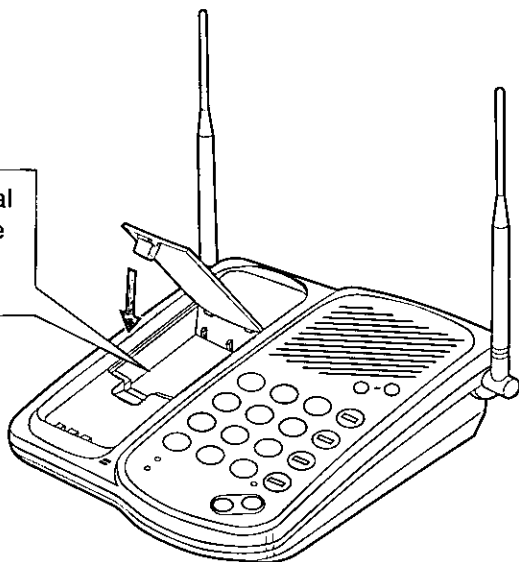
Install the battery as shown observing the proper polarity. Then install the handset cover until it locks into place.



Installing the Cradle Cover on the Base Unit

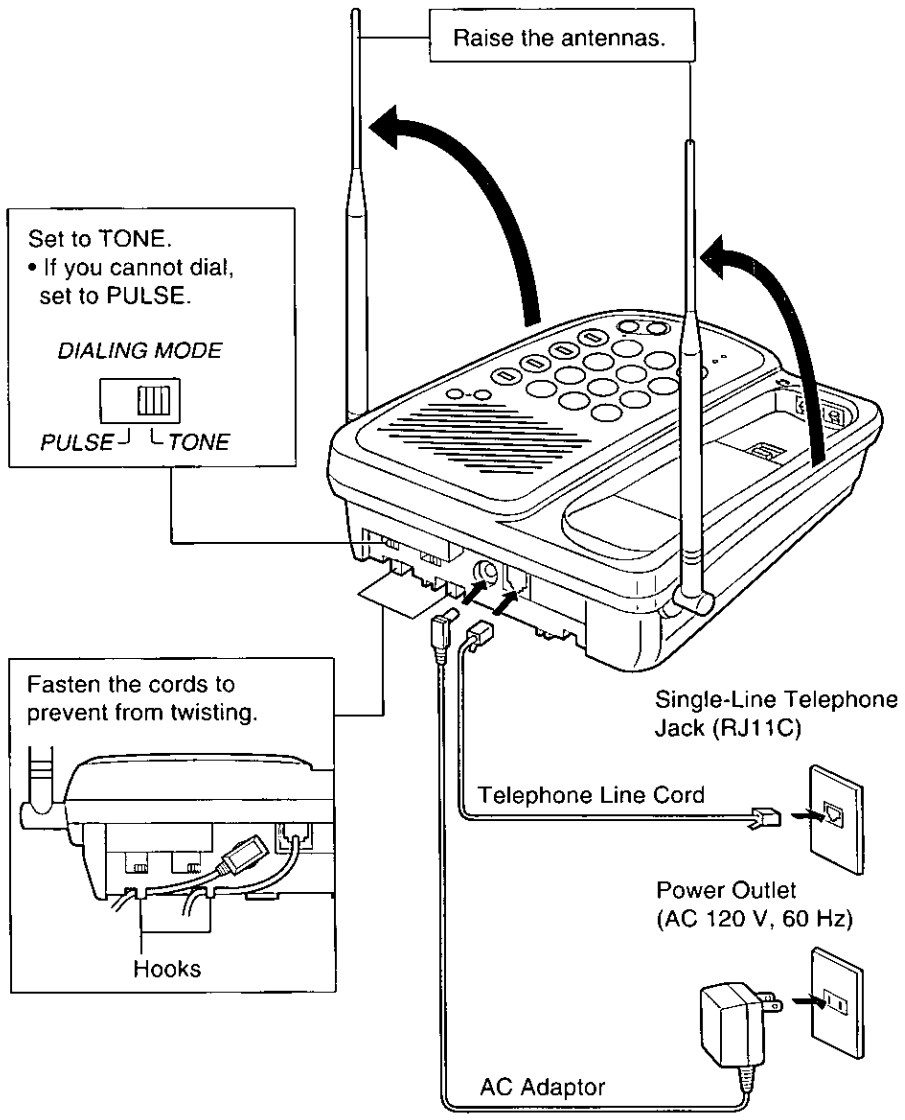
Close the cradle cover as shown.

You can install an optional spare battery beneath the cradle cover to charge it (p. 26).





Connection



- USE ONLY Panasonic AC ADAPTOR KX-A11.
- The AC adaptor must remain connected at all times.
(It may feel warm during use. This is normal.)
- If you connect a reserve telephone on the same line, see page 11.

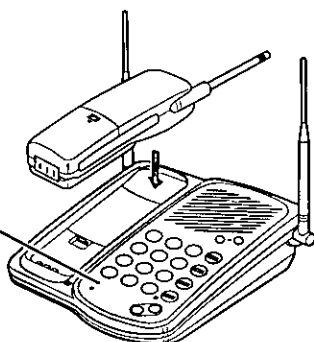
➔ Setting Up

Battery Charge

Place the handset on the base unit for about **15 hours**.

- The IN USE/CHARGE indicator lights.

IN USE/CHARGE Indicator

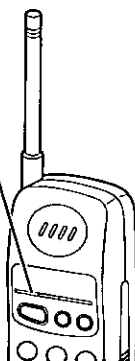


Recharge

When the unit beeps every minute during a conversation or the TALK/BATT LOW indicator flashes intermittently, recharge the battery.

If you do not want to wait until the battery is fully recharged, we recommend you purchase an optional spare battery (page 26).

TALK/BATT LOW Indicator



Standard battery life

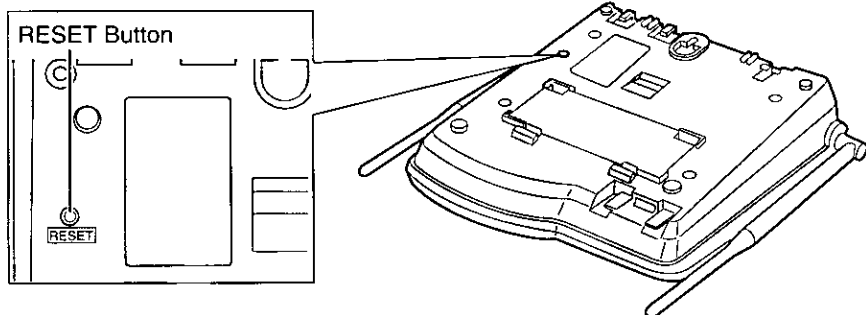
If your Panasonic battery is fully charged;

While in use (TALK)	Up to about 3 hours
While not in use (Stand-By)	Up to about 10 days

- Battery life may vary depending on usage conditions and ambient temperature.
- **Clean the handset and the base unit charge contacts with a soft dry cloth once a month**, or the battery may not charge properly.
- Once the battery is fully charged, you do not have to place the handset on the base unit until the TALK/BATT LOW indicator flashes intermittently.
- The battery cannot be overcharged.

About the RESET Button

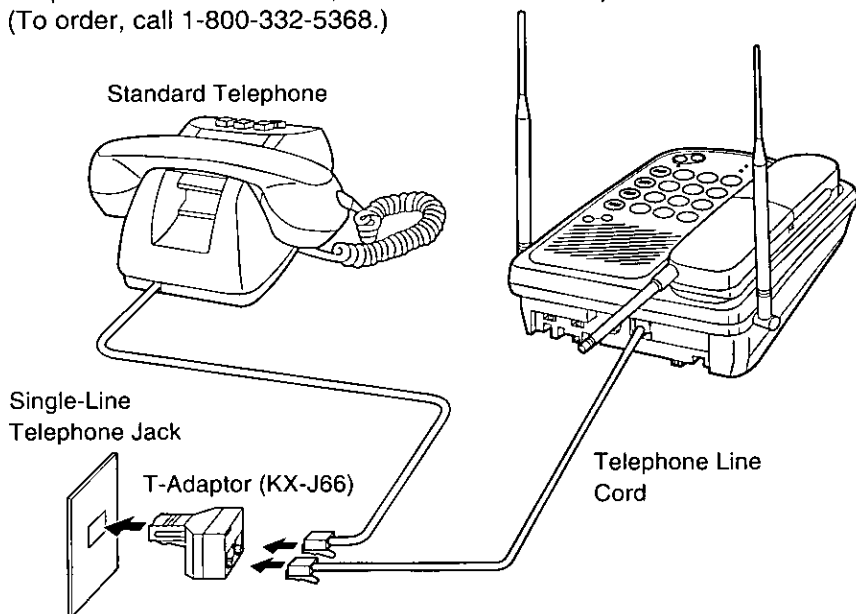
If the unit stops operating properly even after you set it up correctly, press **RESET** on the bottom of the unit with a pointed object, such as a pen, etc.



Pressing **RESET** does not erase any stored telephone numbers (p. 16, 18), but will erase only the last number dialed with the base unit (p. 15).

Adding Another Phone

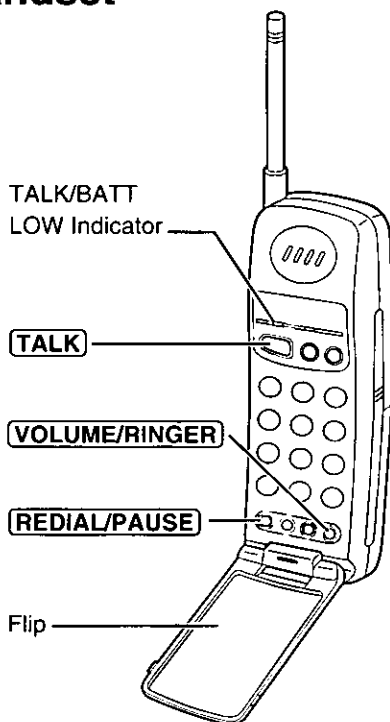
This unit will not function during a power failure. To connect a standard telephone on the same line, use Panasonic T-adaptor KX-J66. (To order, call 1-800-332-5368.)



Making/Answering Calls

Making Calls with the Handset

- 1 Open the flip.
 - The TALK/BATT LOW indicator lights.
 - If the indicator does not light, press **TALK**.
- 2 Dial a telephone number.
- 3 To hang up, close the flip or press **TALK**.
 - The indicator light goes out.



- If an alarm tone sounds in step 1, move toward the base unit or place the handset on the base unit. Then try again.

To redial the last number

Follow step 1, then press **REDIAL/PAUSE**.

To select the receiver volume HIGH or LOW (preset)

Press **VOLUME/RINGER** while speaking.

- Each time you press, the volume level will change.

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.

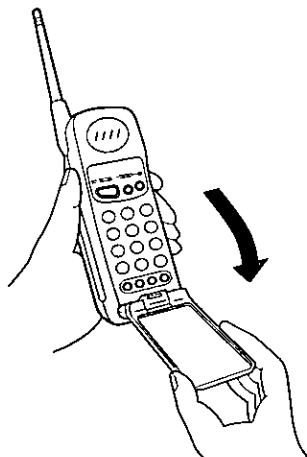


Answering Calls with the Handset

If the flip is closed

Open the flip.

- You can also answer a call by pressing **TALK** without opening the flip.

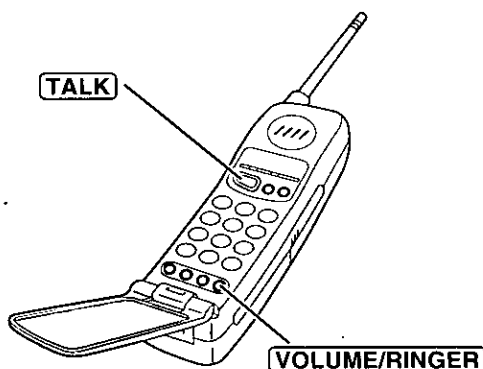


OR

If the flip is opened

Press **TALK**.

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



Adjusting the ringer volume

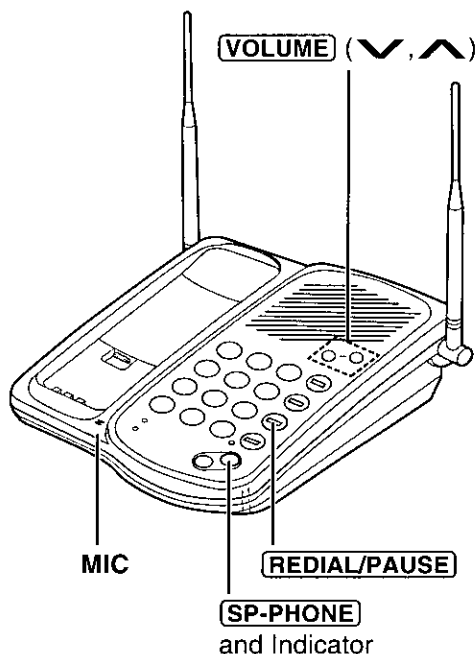
Be sure the TALK/BATT LOW indicator light is off. If the light is on, press **TALK** to turn it off.

- To select **HIGH (preset) or LOW**, press **VOLUME/RINGER** lightly. (Each time you press, a bell sounds and the ringer volume will change.)
- To turn the ringer **OFF**, press and hold **VOLUME/RINGER** until a bell sounds followed by 2 beeps.
- To turn the ringer **ON**, press **VOLUME/RINGER** lightly. The ringer sounds at the HIGH level.

➔ Making/Answering Calls

Making Calls with the Base Unit

- 1 Press **SP-PHONE**.
 - The indicator lights.
- 2 Dial a telephone number.
- 3 When the other party answers, speak 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 ▼ to decrease the speaker volume. Reducing the speakerphone volume will increase the microphone sensitivity.

To adjust the speaker volume (8 levels)

To increase, press ▲. To decrease, press ▼.

To redial the last number

Press **SP-PHONE** → **REDIAL/PAUSE**.

To switch to the handset (while using the speakerphone)

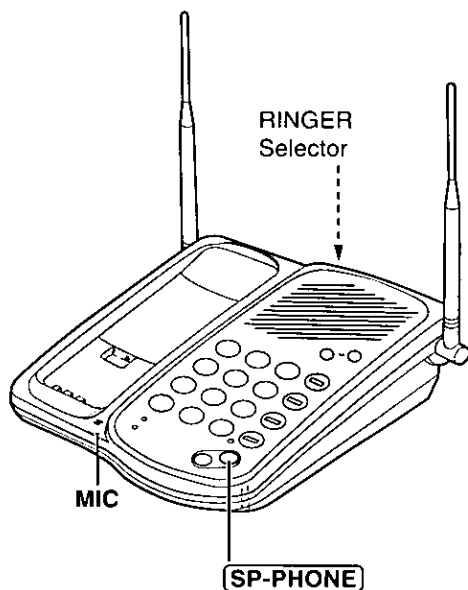
1. Handset: Open the flip. If the TALK/BATT LOW indicator does not light, press **TALK**.
2. Base unit: Press **SP-PHONE** to turn off the speakerphone.
 - You can continue the conversation using the handset.

Answering Calls with the Base Unit

1 Press **SP-PHONE**.

2 Speak into the **MIC**.

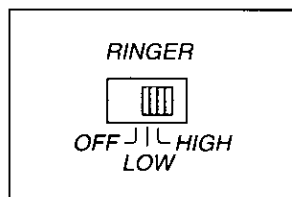
3 To hang up, press **SP-PHONE**.



To select the ringer volume

Set the RINGER selector to HIGH, LOW or OFF.

- When set to HIGH or LOW, a bell sounds at the selected volume.
- When set to OFF, two beeps sound and the base unit will not ring.



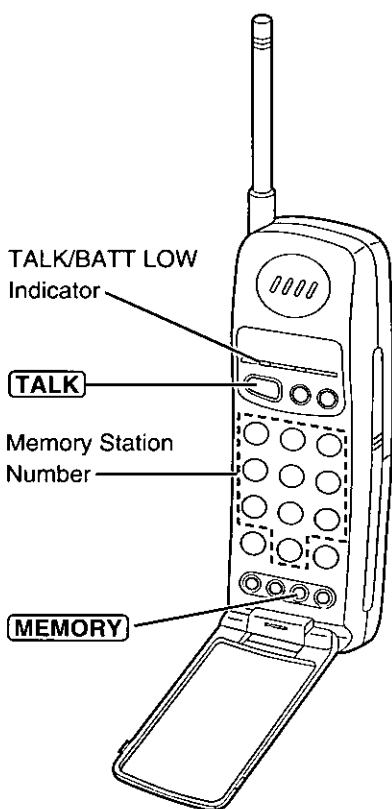
Automatic Dialing (Handset)

Storing Phone Numbers in Memory

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

Be sure the TALK/BATT LOW indicator light is off. If the light is on, press **TALK** to turn it off.

- 1 Press **MEMORY**.
 - The TALK/BATT LOW indicator flashes.
- 2 Press a memory station number (0 to 9).
 - A long beep sounds.
- 3 Enter a phone number up to 20 digits.
 - If you misdial, press **TALK** twice to end storing, then restart from step 1.
- 4 When finished, press **MEMORY**.
 - A confirmation tone sounds. (See below.)
 - To store other numbers, repeat steps 1 through 4.



What the confirmation tone means

1 beep: The new number is stored.

2 beeps: The number is the same as a previously stored one.

To erase a stored number

If the TALK/BATT LOW indicator light is on before erasing, press **TALK** to turn it off.

Press **MEMORY** → the memory station number (0 to 9) for the phone number to be erased ⇒ **MEMORY**.

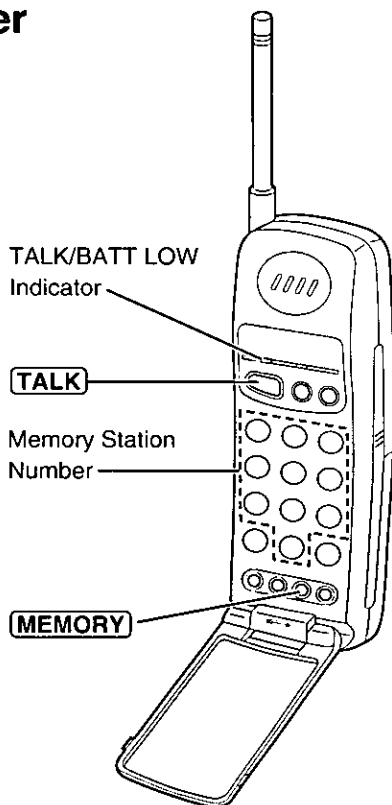
Memory sticker

Use the included memory sticker as a name or phone number index for automatic dialing. Attach the sticker to the unit or in a convenient place.

10 STATION AUTOMATIC DIALER	
1	6
2	7
3	8
4	9
5	0
TEL NO.	

Dialing a Stored Number

- 1 Open the flip.
 - If the TALK/BATT LOW indicator does not light, press **TALK**.
- 2 Press **MEMORY**.
- 3 Press the memory station number (0 to 9).
 - The stored number is dialed.



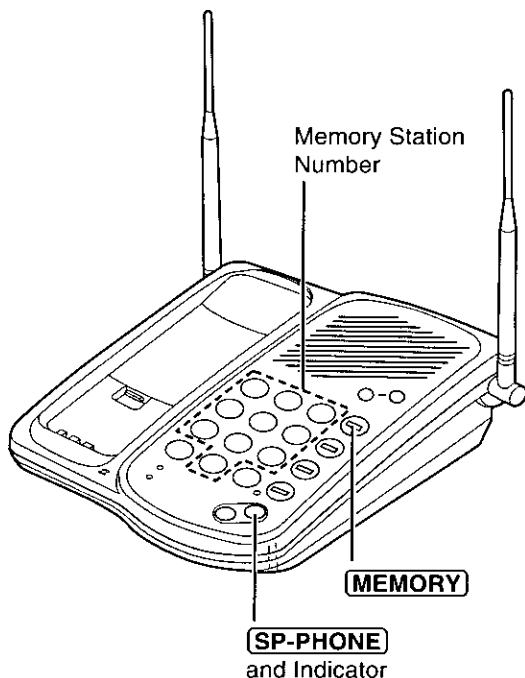
• Numbers stored in the handset can only be dialed by the handset.

Automatic Dialing (Base Unit)

Storing Phone Numbers in Memory

You can store up to 10 numbers in the base unit. The dialing buttons (0 to 9) function as memory stations. The SP-PHONE indicator light must be off.

- 1 Press **MEMORY**.
 - The SP-PHONE indicator flashes.
- 2 Press a memory station number (0 to 9).
 - A long beep sounds.
- 3 Enter a phone number up to 20 digits.
 - If you misdial, press **SP-PHONE** twice to end storing, then restart from step 1.
- 4 When finished, press **MEMORY**.
 - A confirmation tone sounds. (See below.)
 - To store other numbers, repeat steps 1 through 4.



What the confirmation tone means

1 beep: The new number is stored.

2 beeps: The number is the same as a previously stored one.

To erase a stored number

Press **MEMORY** → the memory station number (0 to 9) for the phone number to be erased → **MEMORY**.

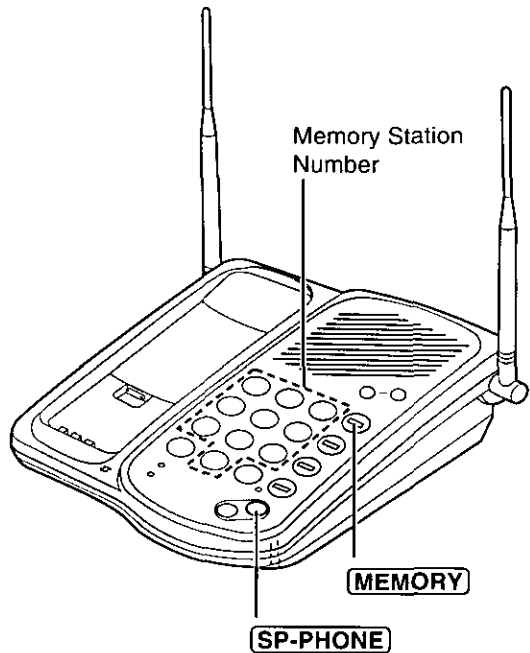
Memory sticker

Use the included memory sticker as a name or phone number index for automatic dialing. Attach the sticker to the unit or in a convenient place.

10-STATION AUTOMATIC DIALER	
1	6
2	7
3	8
4	9
5	0
TEL. NO.	

Dialing a Stored Number

- 1 Press **SP-PHONE**.
- 2 Press **MEMORY**.
- 3 Press a memory station number (0 to 9).
 - The stored number is dialed.



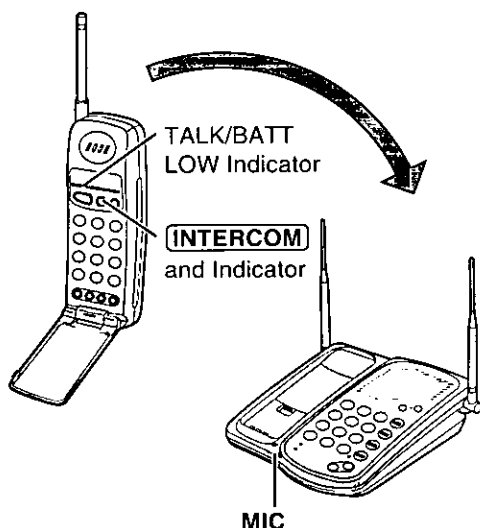
- Numbers stored in the base unit can only be dialed by the base unit.

Intercom

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

Paging the base unit from the handset

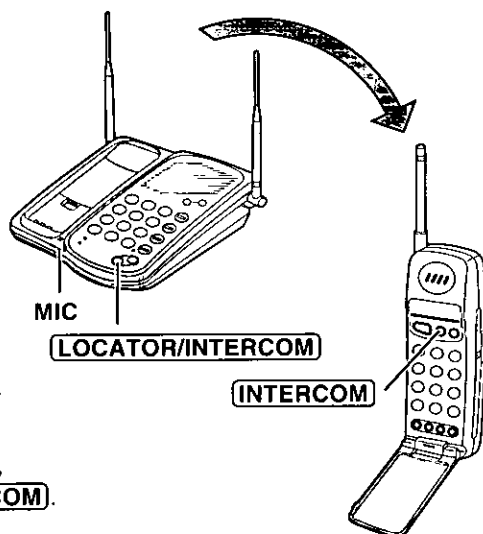
- 1 Handset: Open the flip.
 - The TALK/BATT LOW indicator lights.
- 2 Handset: Press **INTERCOM** and speak.
 - The INTERCOM indicator lights.
 - The TALK/BATT LOW indicator light goes out.
- 3 Base unit: When the other party's voice is heard, answer through the **MIC**.
- 4 Handset: To end the intercom, close the flip or 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.
 - To stop paging, press **LOCATOR/INTERCOM** again.
- 2 Handset: Open the flip or press **INTERCOM** to answer.
- 3 Base unit: Speak into the **MIC**.
- 4 Handset: To end the intercom, close the flip or 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 speaker volume by pressing **∇**. Reducing the speakerphone volume will increase the microphone sensitivity.
- If two tones sound, an incoming call has been received. To answer, press **TALK** or **SP-PHONE**. The intercom is ended.
(The tones will not sound when the ringer volume is set to OFF.)

Transferring a Call Using the Intercom

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

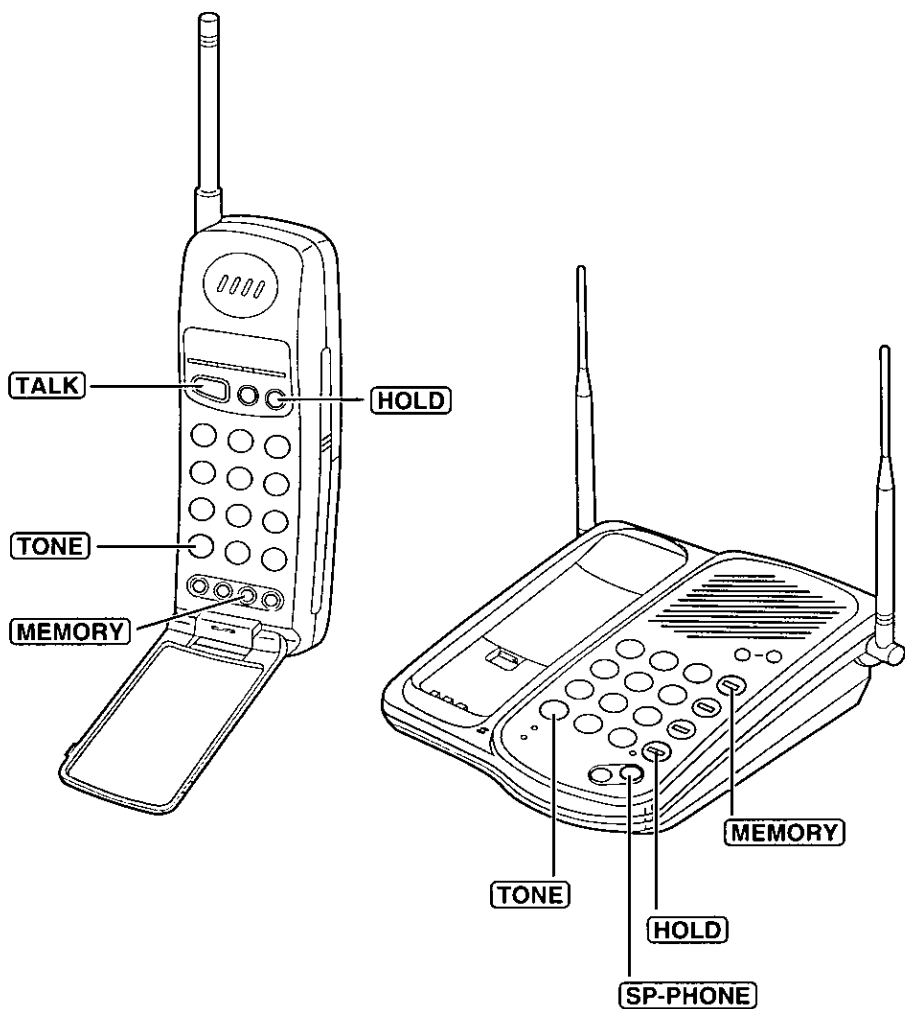
From the handset to the base unit

- 1** Handset:
During a call, press **HOLD**.
 - The call is put on hold.
- 2** Handset:
Press **INTERCOM**, then speak.
- 3** Base unit:
When the paging party's voice is heard, answer through the **MIC**.
- 4** Base unit:
To answer the call, press **SP-PHONE**.
 - The transfer is completed.
 - The handset user can join the conversation by pressing **TALK** or opening the flip if closed.

From the base unit to the handset

- 1** Base unit:
During a call, press **HOLD**.
 - The call is put on hold.
- 2** Base unit:
Press **LOCATOR/INTERCOM**.
- 3** Handset:
Open the flip or press **INTERCOM** to answer the page.
- 4** 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





Placing a Call on Hold

Press **[HOLD]** during a conversation.

- The TALK/BATT LOW indicator and the SP-PHONE indicator flash simultaneously.
- When holding a call with the flip opened, the call will remain on hold even if you close the flip.
- If you put a call on hold for 6 minutes, warning rings will sound. The call will be disconnected after a total of 10 minutes.

To release the hold

With the handset, open the flip or press **[TALK]**.

With the base unit, press **[SP-PHONE]**.

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

Selecting the Ringer Tone (4 Types)

You can select separate ringer tones for the handset and the base unit. The ringer volume must be set to HIGH or LOW (p. 13, 15).

Advanced Operation

When selecting the handset ringer tone

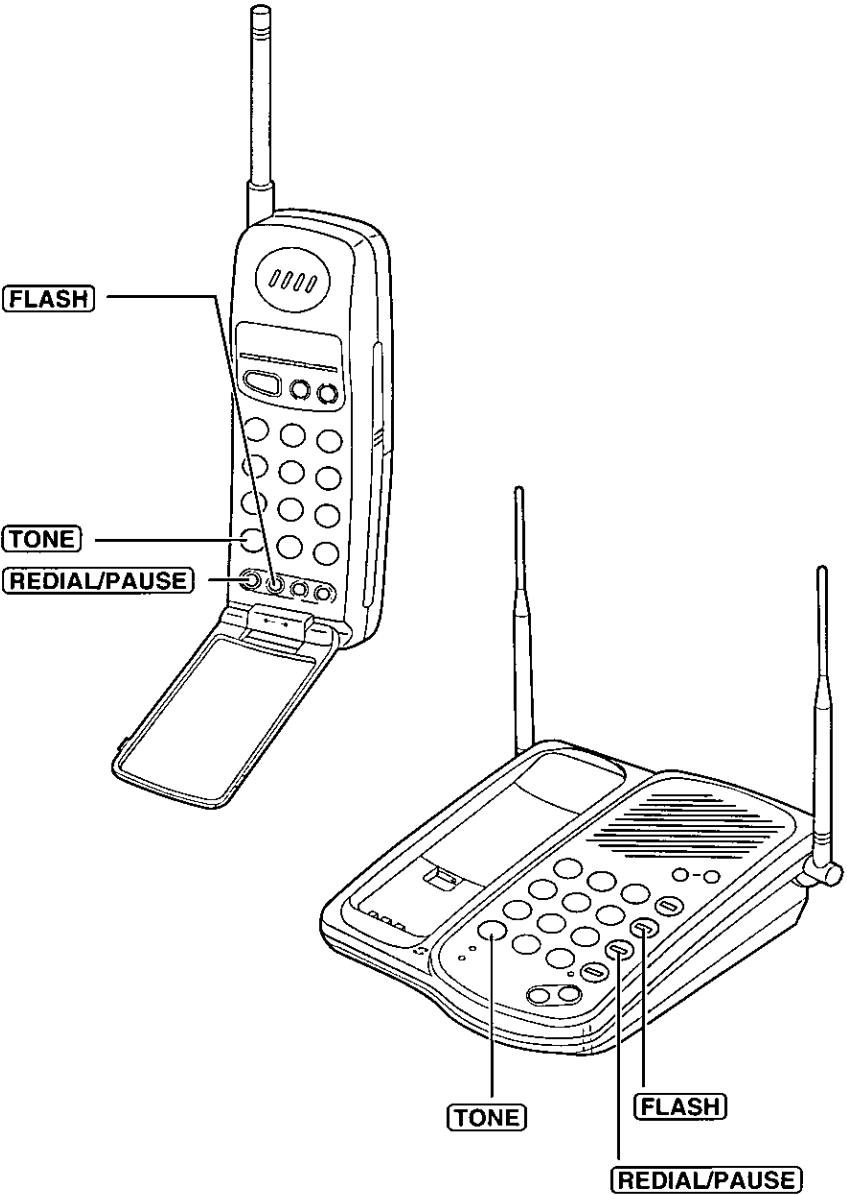
If the TALK/BATT LOW indicator light is on before programming, press **[TALK]** to turn it off.

When selecting the base unit ringer tone

Be sure the SP-PHONE indicator and the TALK/BATT LOW indicator lights are off before programming.

1. Press **[MEMORY]**.
2. Press **[TONE]**.
3. Press a dialing button, 1 to 4.
 - The selected ringer tone sounds.
 - If three beeps sound, the ringer volume is set to OFF.
Press **[MEMORY]** to end selecting, then set the ringer volume to HIGH or LOW (p. 13, 15). Restart from step 1.
4. When finished, press **[MEMORY]**.

➔ Special Features



For Call Waiting Service Users

Press **FLASH** lightly if you hear a call-waiting tone while talking.

- The first call is put on hold and you can answer the second call.
- To return to the first caller, press **FLASH** again.

Automatic Security Code Setting

Whenever you place the handset on the base unit, the unit automatically selects one of 1.6 million security codes. These codes help to avoid unauthorized use of your telephone line by another cordless telephone.

Temporary Tone Dialing (For Rotary Service Users)

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

- The dialing mode changes to tone. You can enter numbers to access answering systems, electronic banking services, etc. When you hang up, the mode returns to pulse.

If Your Unit is Connected to a PBX

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

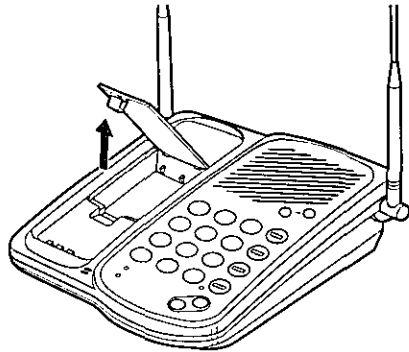
- Pressing **REDIAL/PAUSE** once creates a 3.5 second pause. This prevents misdialing when you redial or dial a stored number. (**REDIAL/PAUSE** counts as one digit.)

Optional Spare Battery

When the handset battery needs charging, replace it with a fully charged optional spare battery. This eliminates having to wait for the handset battery to recharge. **Please purchase a Panasonic P-P592 (KX-A92) battery** and install it in the base unit to charge.

Installing the spare battery in the base unit

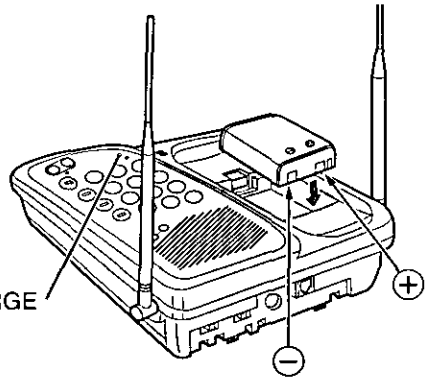
- 1 Open the cradle cover by pushing the tab and lifting the cover.



- 2 Install the spare battery as shown observing the proper polarity, then close the cradle cover.

- The SPARE CHARGE indicator lights.

SPARE CHARGE
Indicator



The spare battery is always being charged in the base unit while the AC adaptor is connected. The battery cannot be overcharged.

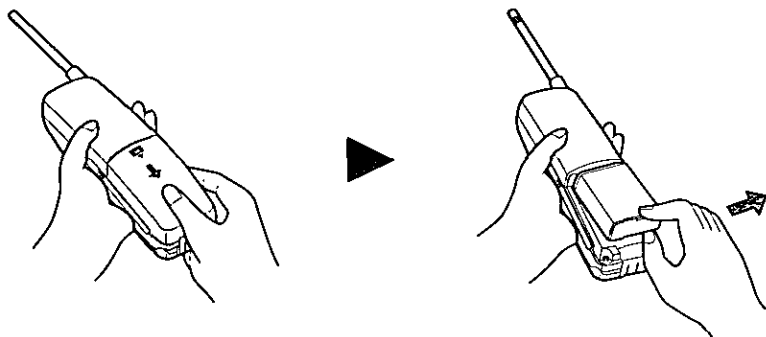
Attention:

The product that 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.



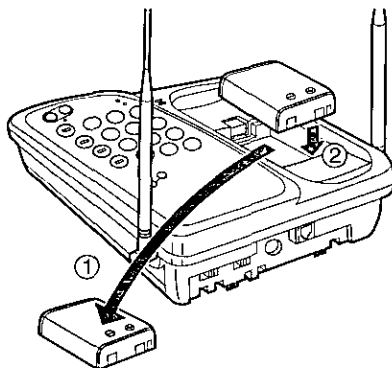
Replacing the handset battery with the spare battery

- 1 Remove the handset cover, then remove the battery.



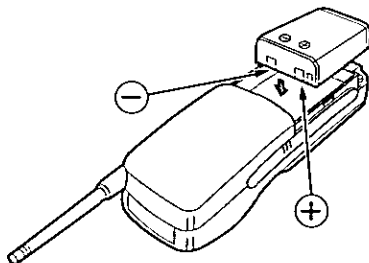
- 2 Replace the handset battery with the spare battery in the base unit.

- ① Remove the spare battery.
- ② Insert the handset battery in the base unit observing the proper polarity.



- 3 Install the spare battery in the handset observing the proper polarity.

- When finished, close the handset cover.

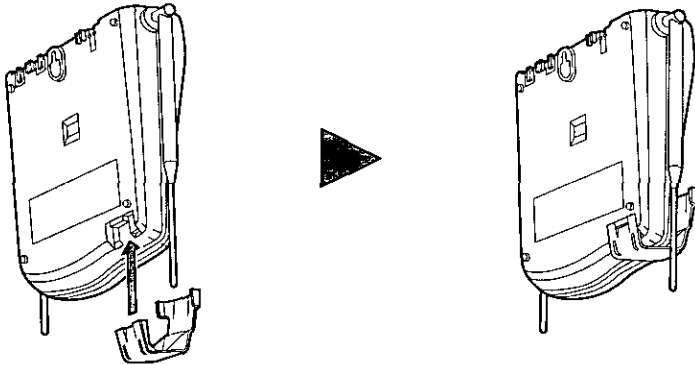


- If the TALK/BATT LOW indicator flashes intermittently even when the handset battery has been fully charged, it is time to change the battery with a new one. Remember to fully charge the new battery after replacement.
- Please use only a Panasonic P-P592 (KX-A92) battery. For accessory order, call 1-800-332-5368.

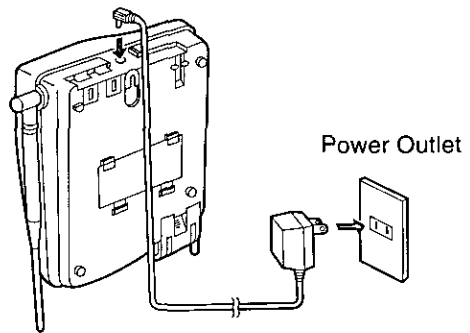
Wall Mounting

This unit can be mounted on a wall phone plate.

- 1 Set the handset holder as shown.

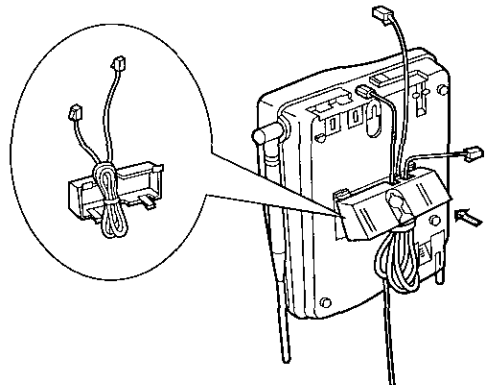


- 2 Connect the AC adaptor.



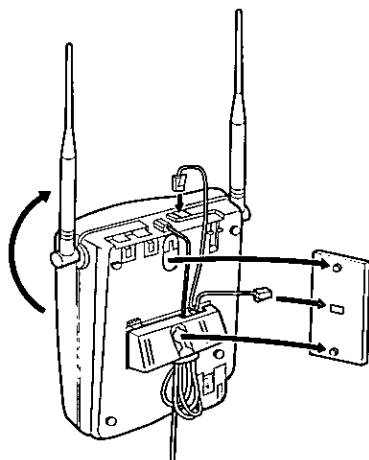
- 3 Tuck the telephone line cord inside the wall mounting adaptor, then push it in the direction of the arrow.

- The word "UP" should face upward.



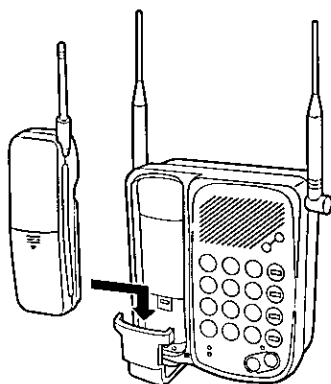
4 Connect the telephone line cord. Mount the unit, then slide down.

- Raise the antennas.



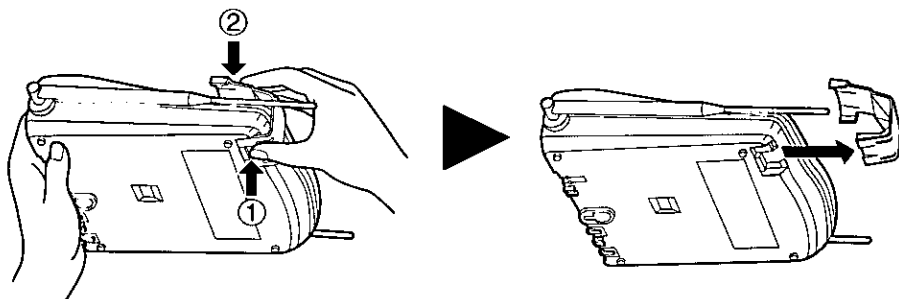
5 **To charge the handset battery:**
Place the handset on the handset holder as shown.

- The IN USE/CHARGE indicator lights.



To remove the handset holder

While pressing the arrow (①) and opposite side (②) of the holder, pull out the handset holder.



Before Requesting Help

Problem	Remedy
An alarm tone sounds when you open the flip, press TALK or press 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.
An alarm tone sounds continuously while using the handset.	<ul style="list-style-type: none">• Move closer to the base unit quickly, or the call will be terminated within 60 seconds.• Plug in the AC adaptor.
The unit does not work.	<ul style="list-style-type: none">• Check the settings (p. 8-10).• Charge the battery fully.• Clean the charge contacts and charge again.
Static, sound cuts in/out, fades. Interference from other electrical units.	<ul style="list-style-type: none">• Set the handset and the base unit away from other electrical appliances.• Move closer to the base unit.• Raise the base unit antennas.
The unit stops working during operation.	<ul style="list-style-type: none">• Press RESET on the bottom of the unit with a pointed object, such as a pen, etc. (p. 11).• Place the handset on the base unit and unplug the AC adaptor. Plug in, then try again.• Re-insert the handset battery and try again.
The handset does not ring.	<ul style="list-style-type: none">• The ringer volume is set to OFF. Press VOLUME/RINGER lightly when the TALK/BATT LOW indicator light is off.• After plugging in the AC adaptor, the handset will not ring for 10 seconds.
The base unit does not ring.	<ul style="list-style-type: none">• The RINGER selector is set to OFF. Set to HIGH or LOW.

Problem	Remedy
While selecting a ringer tone or storing a phone number, the unit starts to ring.	<ul style="list-style-type: none"> • To answer the call, press TALK or SP-PHONE. The program will be canceled. Try again.
You cannot store a phone number in memory.	<ul style="list-style-type: none"> • You cannot store a number or select a tone while the unit is in the talk, speakerphone or intercom mode.
You cannot select a ringer tone.	<ul style="list-style-type: none"> • Do not pause for over 30 seconds while programming.
LOCATOR/INTERCOM does not function.	<ul style="list-style-type: none"> • The handset is too far from the base unit or is engaged in an outside call. • After plugging in the AC adaptor, LOCATOR/INTERCOM will not function for 10 seconds.
REDIAL/PAUSE does not function properly.	<ul style="list-style-type: none"> • The button has a double function. It will redial the last dialed number if pressed at the outset of a call (p. 12, 15). If another number has been dialed first, it will operate as a pause button (p. 25).
The unit beeps every minute during a conversation or the TALK/BATT LOW indicator flashes intermittently.	<ul style="list-style-type: none"> • Charge the battery fully or replace with a fully charged optional spare battery (p. 10, 26).
You charged the battery fully, but the TALK/BATT LOW indicator flashes intermittently.	<ul style="list-style-type: none"> • Clean the charge contacts and charge again. • It is time to change the battery. Please purchase a new battery (p. 26).
The IN USE/CHARGE indicator and/or the SPARE CHARGE indicator light never go(es) 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 satisfaction center at 1-800-355-2211.

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 bath tub, wash bowl, 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 Equivalence 0.2B

The particular telephone line to which the equipment is connected.

This unit must not be connected to a coin operated line.

If you are on a party line, check with your local telephone company.

Ringer Equivalence No. (REN):

The REN is useful in determining the quantity of devices you may connect to your telephone line and still have all of those devices ring when your telephone number is called. In most, but not all areas, the sum of the REN's of all devices connected to one line should not exceed five (5.0). To be certain of the number of devices you may connect to your line, as determined by the REN, you should contact your local telephone company to determine the maximum REN for your calling area.

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

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

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

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

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

When programming emergency numbers and/or making test calls to emergency numbers:

1. Remain on the line and briefly explain to the dispatcher the reason for the call before hanging up.
2. Perform such activities in the off-peak hours, such as early morning hours or late evenings.

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 rooms 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.
Keep away magnetic cards, such as bank cards, telephone cards, etc. from the handset, as the magnet in the handset may cause the data on the card's magnetic strip to be erased.
Consult the manufacturer of any personal medical devices, such as pacemakers, to determine if they are adequately shielded from external RF energy. (The unit operates in the frequency range of 906.0MHz to 924.6MHz and the power level can range from 0.001 watts to 0.1 watts.)
Do not use the unit in health care facilities when any regulations posted in the area instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.
- **Routine care** — wipe the unit with a soft cloth. Do not use benzine, thinner, or any abrasive powder.
When you left the unit unused for long 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 servicer directory.
- Call 1-800-545-2672 for the location of an authorized servicer.

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 servicer, prepaid and adequately insured.
- Do not send your unit to the Panasonic Consumer Electronics Company listed below or to executive or regional sales offices. These locations do not repair consumer products.

- This cordless telephone is designed for use in the United States of America. Sale or use of this product in other countries may violate local laws.
- Ce téléphone sans fil est conçu pour être utilisé aux États-Unis d'Amérique. La vente ou l'emploi de cet appareil dans certains autres pays peut constituer une infraction à la législation locale.
- Este teléfono sin cordón fue elaborado para uso en los Estados Unidos de América. La venta o el empleo de este producto en ciertos países puede constituir violación de la legislación local.
- このコードレス電話機は、日本国外での使用を目的として設計されており、日本国内での使用は法律違反となります。従って、当社では日本国内においては原則として修理などのサービスは致しかねます。

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