

Panasonic

900MHz Cordless Phone

Model No. KX-TC1460B

KX-TC1460W/KX-TC1461B

Pulse-or-tone dialing capability

Operating Instructions



KX-TC1461B

PLEASE READ BEFORE USE  
AND SAVE.

Charge the battery for 15 hours  
before initial use.

Contents by Section

- 1 Getting Started
- 2 Making/Answering Calls
- 3 Speed Dialer
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Panasonic World Wide Web address: <http://www.panasonic.com>  
for customers in the USA or Puerto Rico

Attach your purchase receipt here.

For your future reference

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

For product service

- Call 1-800-211-PANA(7262) or 1-800-833-9626 for the location of an authorized servicer.
- Panasonic's e-mail address for customer inquiries: [consumerproducts@panasonic.com](mailto:consumerproducts@panasonic.com)
- for customers in the USA or Puerto Rico ONLY

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.

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

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

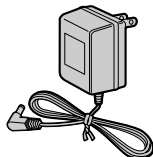
PQQX13231ZA F1001-0 ©

# 1 Getting Started

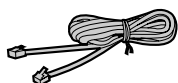
## Section 1

### 1-A Accessories

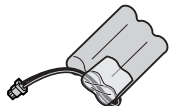
- ☐ AC Adaptor ..... one  
Order No.  
PQWATC1461M



- ☐ Telephone Line Cord ..... one



- ☐ Battery ..... one  
Order No.  
P-P504



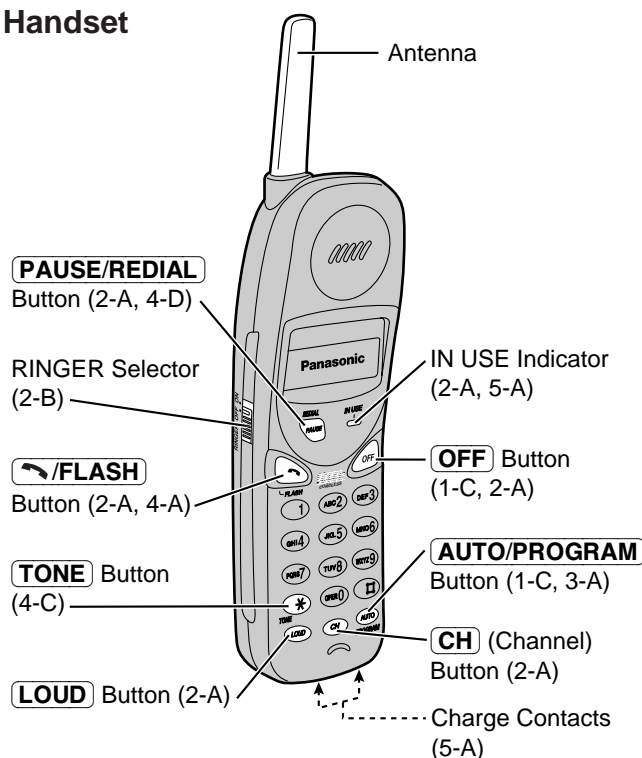
- ☐ Handset Cover ..... one  
Order No.  
PQYNTC1460W (White)  
PQYNTC1461B (Black)



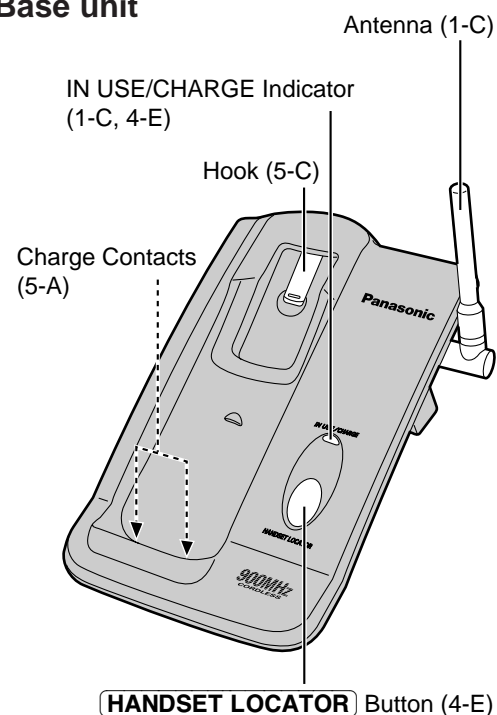
•For extra orders, call 1-800-332-5368.

### 1-B Location of Controls

#### Handset

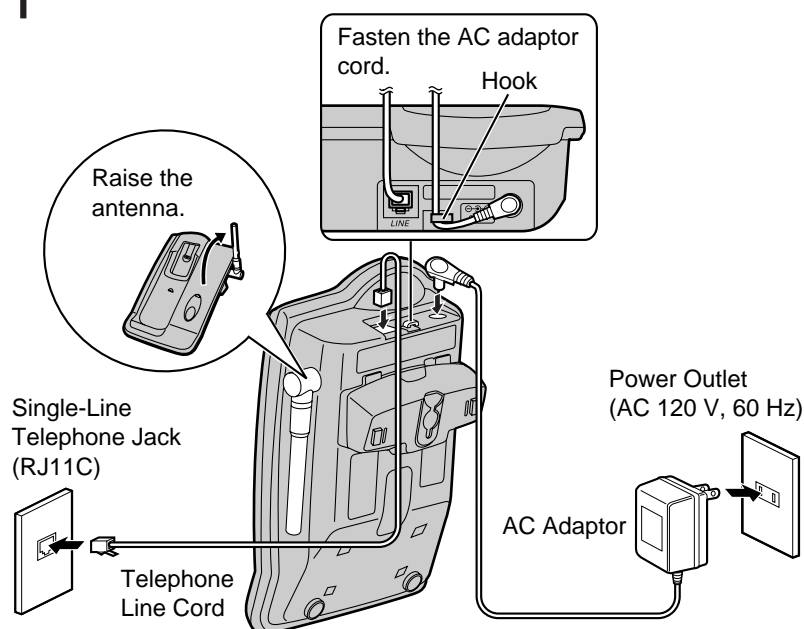


#### Base unit



### 1-C Settings

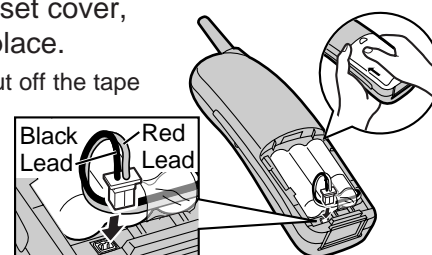
#### 1 Connect as shown.



- USE ONLY WITH Panasonic AC ADAPTOR PQWATC1461M (Order No. PQWATC1461M).
- 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 section 5-E.

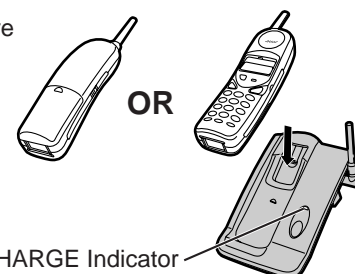
#### 2 Install the battery in the handset and close the handset cover, locking it into place.

- Please do not put off the tape from the battery.



#### 3 Charge the battery for 15 hours.

- See section 5-A for more details.
- The IN USE/CHARGE indicator lights.



#### To select the dialing mode TONE (preset) or PULSE

You can program the dialing mode using the handset near the base unit. The IN USE indicator light must be off before programming.

Press **AUTO/PROGRAM** → **#** (PULSE) OR **AUTO/PROGRAM** → **\*** (TONE).

- To cancel during programming, press **OFF**. Start again from the beginning.

For assistance, please call: 1-800-211-PANA(7262)

# 2 Making/Answering Calls

## Section 2

### 2-A Making Calls

- 1 Press **FLASH**.
  - The IN USE indicator lights.
  - If an alarm tone sounds, see section 5-F.
- 2 Dial a phone number.
- 3 To hang up, press **OFF** or place the handset on the base unit.
  - The indicator light goes out.

•If additional dialing is necessary after using speed dialing functions such as AUTO (3-B) or REDIAL, wait until speed dialing is finished to continue further dialing. Otherwise, the unit may not dial properly.

### 2-B Answering Calls

Lift the handset off the base unit and press **FLASH**.

•You can also answer a call by pressing any button except **OFF** (—Any Key Talk).

#### To redial the last number dialed

Press **FLASH** → **PAUSE/REDIAL**.

#### To select the receiver volume

4 levels (HIGH, MEDIUM, NORMAL, LOW) are available.

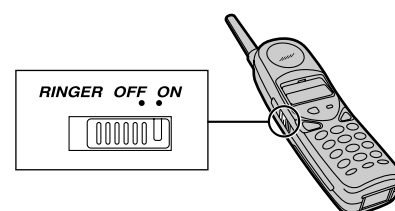
Press **LOUD** while talking.

•Each time you press **LOUD**, the volume level will change.

#### If noise interferes with the conversation

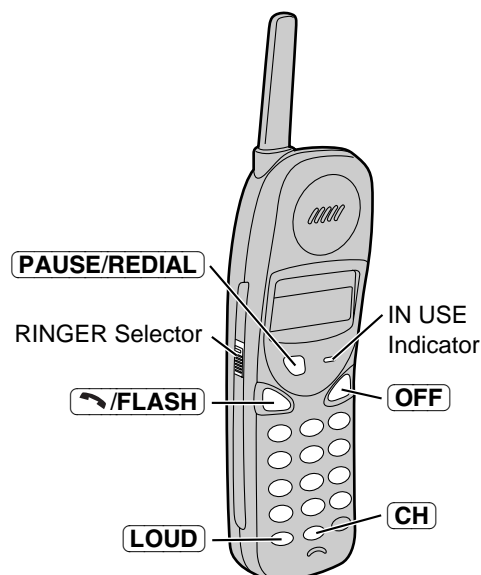
Press **CH** to select a clearer channel or move closer to the base unit.

#### Selecting the ringer volume



Set the RINGER selector to ON or OFF.

•When set to OFF, the unit will not ring.



•For best operating performance, see section 5-B.

# 3 Speed Dialer

## Section 3

### 3-A Storing Phone Numbers in Memory

You can store up to 10 phone numbers in the handset. The dialing buttons (0 to 9) function as memory stations. **The IN USE indicator light must be off before programming.**

- 1 Press **AUTO/PROGRAM**.
  - The IN USE indicator flashes.
- 2 Press a memory station number (0 to 9).
- 3 Enter a phone number up to 16 digits.
- 4 Press **AUTO/PROGRAM**.
  - A beep sounds.
  - To store other numbers, repeat steps 1 through 4.

•If a pause is required for dialing, press **PAUSE/REDIAL** where needed. Pressing **PAUSE/REDIAL** counts as one digit (4-D).

#### If you misdial

Press **OFF** to end storing. → Start again from step 1.

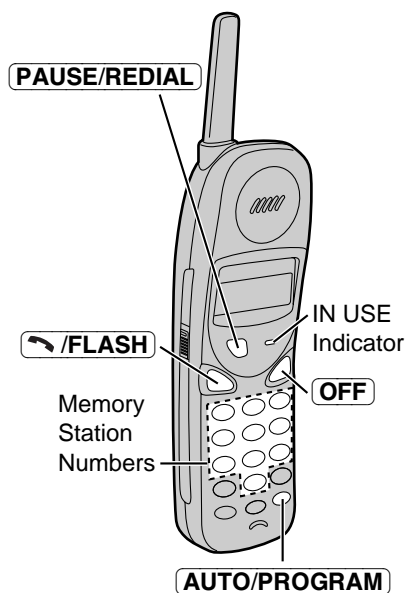
#### To erase a stored number

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

•A beep sounds.

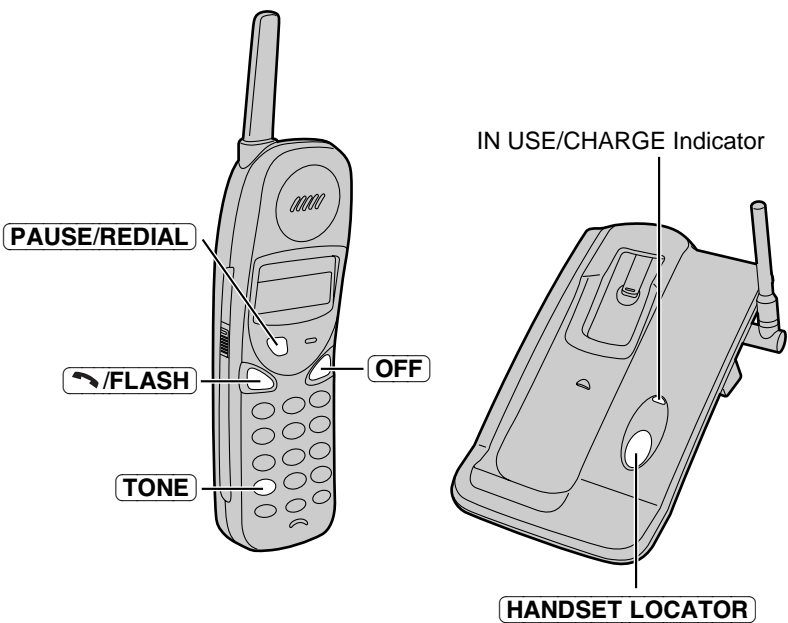
### 3-B Dialing a Stored Number

Press **FLASH** → **AUTO/PROGRAM** → the memory station number (0 to 9).



For assistance, please call: 1-800-211-PANA(7262)

# 4 Special Features



## 4-A For Call Waiting Service Users

Press **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 **FLASH** again.
- If this function does not operate properly, consult your telephone company for details.

## 4-B Automatic Security Code Setting

Each time you place the handset on the base unit, the unit automatically selects one of 65,000 security codes. These codes help prevent the unauthorized use of your telephone line by another cordless telephone user.

## 4-C 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.

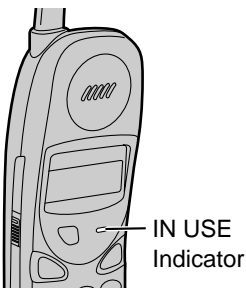
# 5 Things You Should Know



## 5-A Battery

### Recharge

If the unit beeps and then the IN USE indicator flashes slowly when you press **FLASH** or while talking, the call will be disconnected within about 3 minutes after the beep sounds. Place the handset on the base unit to recharge the battery for 15 hours.



### Battery information

After your Panasonic battery is fully charged:

Operation	Operating time
While in use (TALK)	Up to about 5 hours
While not in use (Standby)	Up to about 5 days

- The battery operating time 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. 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 the IN USE indicator flashes. This will maximize the battery life.
- The battery cannot be overcharged.

For assistance, please call: 1-800-211-PANA(7262)

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

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

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

**9** → **PAUSE/REDIAL** → Phone number

- Pressing **PAUSE/REDIAL** once creates a 3 second pause. This prevents misdialing when you redial or dial a stored number.
- Pressing **PAUSE/REDIAL** more than once increases the length of the pause between numbers.

4-E Handset Locator

You can locate the handset or page the handset user with beep tones from the base unit.

- 1 Press **HANDSET LOCATOR** on the base unit.
  - The IN USE/CHARGE indicator flashes and the handset beeps for 2 minutes.
- 2 To stop paging, press **HANDSET LOCATOR** again or press **OFF** on the handset.

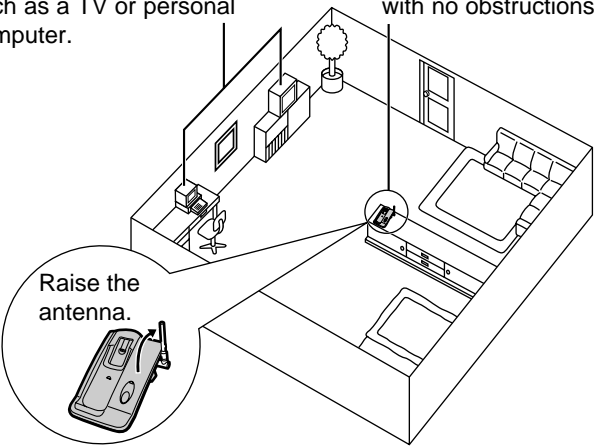
Things You Should Know

5-B Base Unit Location

Calls are transmitted between the base unit and the handset using wireless radio waves. **For maximum distance and noise-free operation**, the recommended base unit location is:

Away from electrical appliances such as a TV or personal computer.

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



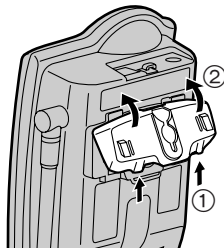
For assistance, please call: 1-800-211-PANA(7262)

# 5 Things You Should Know

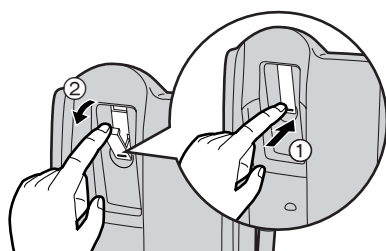
## 5-C Wall Mounting

This unit can be mounted on a wall phone plate.

- 1 Remove the wall mounting adaptor.

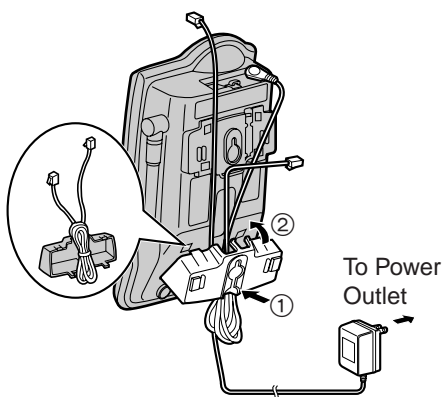


- 2 Push the lower side of the hook (1) and pull down the hook until it locks (2), so the tab holds the handset.



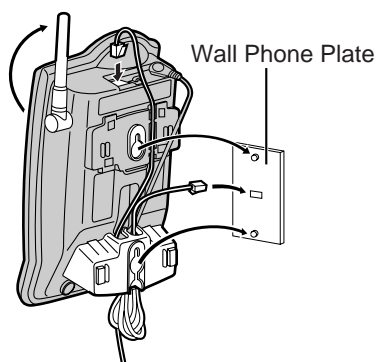
- 3 Connect the AC adaptor. Tuck the telephone line cord inside the wall mounting adaptor, then push it in the direction of the arrow.

- The word "UP WALL" should face upward.



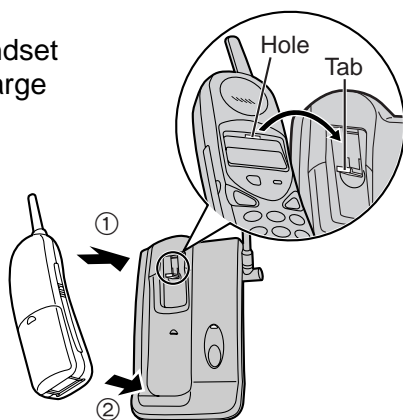
- 4 Connect the telephone line cord. Mount the unit, then slide down.

- Raise the antenna.



- 5 To charge the battery: Insert the tab to the handset hole (1) and fix the charge contacts (2).

- Make sure to place the handset with the keypad facing down.
- The IN USE/CHARGE indicator lights.

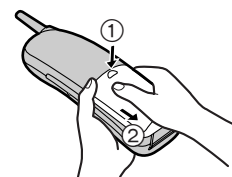


For assistance, please call: 1-800-211-PANA(7262)

## 5-D Battery Replacement

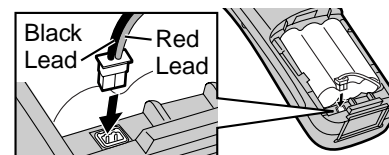
If the IN USE indicator flashes after being fully charged, replace the battery with a new Panasonic P-P504 battery. To order, call the accessories telephone number in section 1-A.

- 1 Press the notch on the handset cover firmly (1) and slide it as indicated by the arrow (2).



- 2 Remove the old battery. Then install the new one.

- Insert the battery plug into the connector as shown in the picture.
- Be sure wires are free from being pressed by the battery body or handset cover.



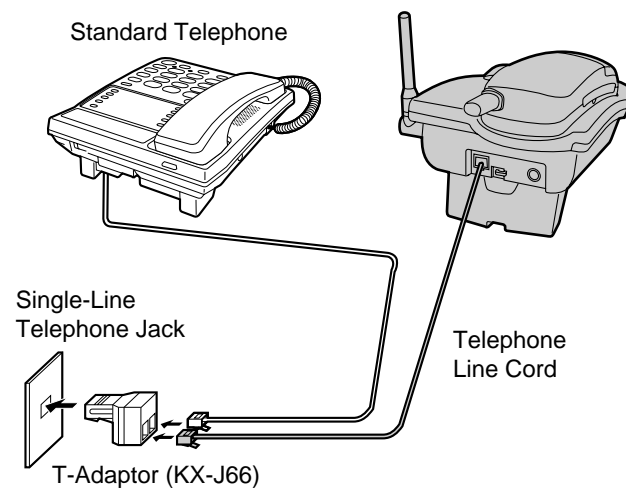
- 3 Close the cover. Make sure you charge the new battery for about 15 hours.

A nickel cadmium battery that is recyclable powers the product you have purchased. 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.



## 5-E Adding Another Phone

This unit will not function during a power failure. To connect a standard telephone on the same line, use the Panasonic T-adaptor KX-J66. To order, call the accessories telephone number in section 1-A.



Things You Should Know

Section 5

5-F Troubleshooting

Problem	Cause and Remedy
The unit does not work.	<ul style="list-style-type: none"><li>●Check the settings (1-C).</li><li>●Charge the battery fully (5-A).</li><li>●Clean the charge contacts and charge again (5-A).</li><li>●Install the battery properly (1-C, 5-D).</li><li>●Place the handset on the base unit and unplug the AC adaptor to reset. Plug in, and try again.</li></ul>
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 antenna.</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 (5-B).</li><li>●Move closer to the base unit.</li><li>●Raise the base unit antenna.</li><li>●Press <b>[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 ON (2-B).</li><li>●If a power failure occurs, the handset loses communication with the base. When power returns, place the handset on the base unit once then try again.</li></ul>
While storing a phone number, the unit starts to ring.	<ul style="list-style-type: none"><li>●To answer the call, press <b>[FLASH]</b>. The program will be canceled. Store the number again.</li></ul>
You cannot store a phone number in memory.	<ul style="list-style-type: none"><li>●You cannot store a number while the unit is in the talk mode.</li><li>●Do not pause for over 20 seconds while storing.</li></ul>

Problem	Cause and Remedy
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 redial by pressing <b>[PAUSE/REDIAL]</b> .	<ul style="list-style-type: none"><li>●If the last number dialed was more than 16 digits long, the number will not be redialed correctly.</li></ul>
<b>[HANDSET LOCATOR]</b> does not function.	<ul style="list-style-type: none"><li>●The handset is too far from the base unit or is engaged in an outside call.</li></ul>
The IN USE indicator flashes slowly or the unit beeps while it is in use.	<ul style="list-style-type: none"><li>●Charge the battery fully (5-A).</li></ul>
While talking, the call is disconnected.	<ul style="list-style-type: none"><li>●The battery needs to be recharged. Charge the battery fully (5-A).</li></ul>
The handset beeps continuously.	<ul style="list-style-type: none"><li>●The battery needs to be recharged. Charge the battery fully (5-A).</li></ul>
You charged the battery fully, but the IN USE indicator flashes slowly.	<ul style="list-style-type: none"><li>●Clean the charge contacts and charge again (5-A).</li><li>●Install a new battery (5-D).</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>
If you cannot solve your problem	<ul style="list-style-type: none"><li>●Call our customer call center at 1-800-211-PANA(7262).</li><li>●Panasonic's e-mail address for customer inquiries: consumerproducts@panasonic.com for customers in the USA or Puerto Rico ONLY</li></ul>

5-G Helpful Information

- Environment**—do not place the unit in a room where the temperature is less than 5°C (41°F) or greater than 40°C (104°F). Allow 10 cm (4") clearance around the unit for proper ventilation. Avoid excessive smoke, dust, mechanical vibration, shock, or direct sunlight.
- Routine care**—wipe the unit with a soft cloth. Do not use benzine, thinner, or any abrasive powder. When you leave the unit unused for a long period of time, unplug the AC adaptor from the outlet.
- If there is any trouble**—disconnect the unit from the telephone line and connect a known working phone. If the known working phone operates properly, have your unit repaired by one of the authorized Panasonic Factory Service Centers. If the known working phone does not operate properly, consult your telephone company.

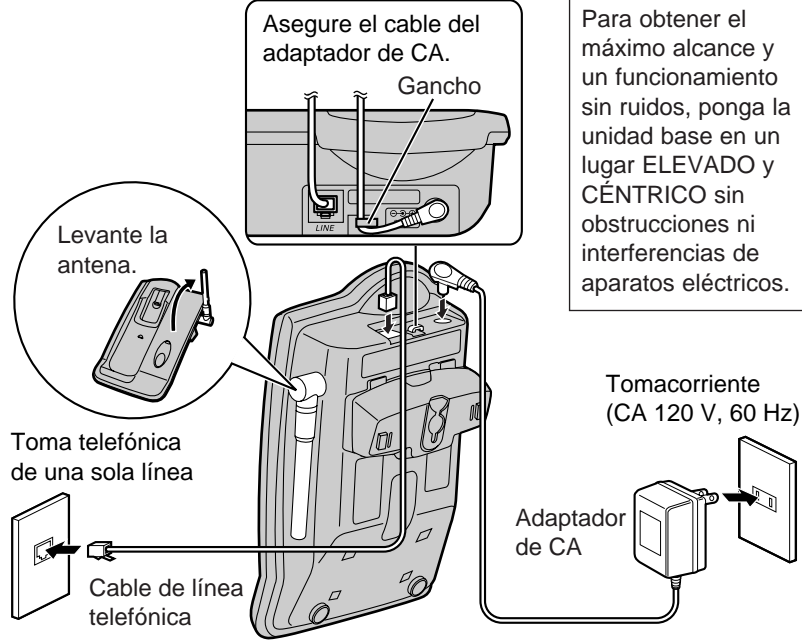
- This cordless telephone is designed for use in the United States of America. Sale or use of this product in other countries may violate local laws.
- Ce téléphone sans fil est conçu pour être utilisé aux États-Unis d'Amérique. La vente ou l'emploi de cet appareil dans certains autres pays peut constituer 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。

For assistance, please call: 1-800-211-PANA(7262)

# 6 Referencia rápida

## 6-A Preparación

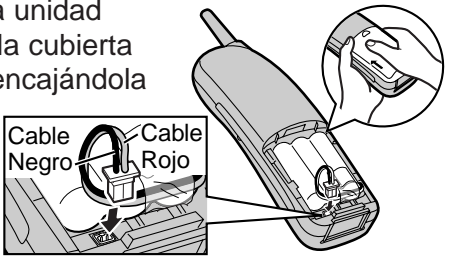
1 Conecte como se muestra.



- El adaptador de CA debe permanecer conectado en todo momento.

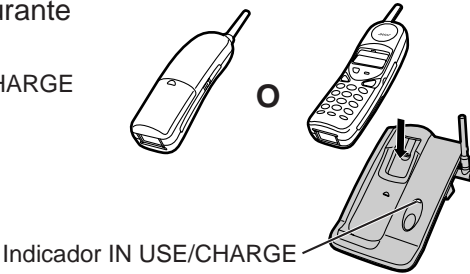
2 Instale la batería en la unidad portátil y luego cierre la cubierta de la unidad portátil, encajándola en posición.

- No despegue la cinta de la batería.



3 Cargue la batería durante 15 horas.

- El indicador IN USE/CHARGE se encenderá.

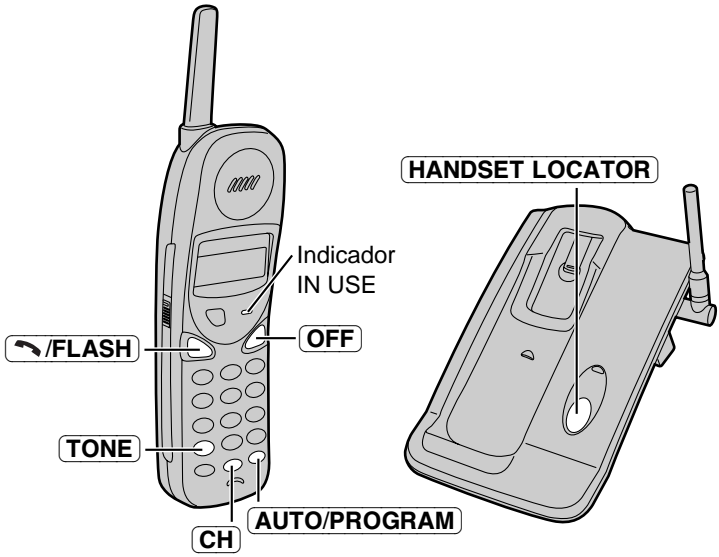


### Selección del modo de marcación por TONO (preajustado) o PULSACIÓN

Utilizando la unidad portátil cerca de la unidad base usted puede programar el modo de marcación. El indicador IN USE deberá estar apagado antes de programar.

Presione **AUTO/PROGRAM** → **\*** → **#** (PULSACIÓN) o **\*** (TONO) → **AUTO/PROGRAM**.

## 6-B Funcionamiento



- Cuando el indicador IN USE parpadee lentamente o la unidad emita pitidos mientras se esté utilizando, cargue la batería.

### Para hacer llamadas

Presione **FLASH** . → Marque un número de teléfono.

- Para colgar, presione **OFF** o ponga la unidad portátil en la unidad base.
- Si interfiere ruido con su conversación, presione **CH** para seleccionar un canal más claro o acérquese más a la unidad base.

### Contestación de llamadas

Levante la unidad portátil de la unidad base y presione **FLASH** o cualquier tecla excepto **OFF**.

### Marcación rápida

Se pueden memorizar hasta 10 números de teléfono en la unidad portátil. Las teclas de marcación (**0** a **9**) funcionan como estaciones de memoria. El indicador IN USE deberá estar apagado antes de programar.

#### Para almacenar números de teléfono en la memoria

Presione **AUTO/PROGRAM** → Número de estación (**0** a **9**) → Número de teléfono (hasta 16 dígitos) → **AUTO/PROGRAM**.

#### Para marcar un número almacenado

Presione **FLASH** → **AUTO/PROGRAM** → Número de estación (**0** a **9**).

### Localización de la unidad portátil

Presione **HANDSET LOCATOR** en la unidad base.

- La unidad portátil emite pitidos durante 2 minutos.
- Para detener la localización, presione de nuevo **HANDSET LOCATOR** o presione **OFF** en la unidad portátil.

For assistance, please call: 1-800-211-PANA(7262)

# Important Safety Instructions

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

1. Read and understand all instructions.
2. Follow all warnings and instructions marked on this unit.
3. Unplug this unit from AC outlets before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not use this unit near water, for example, near a bathtub, washbowl, kitchen sink, or the like.
5. Place this unit securely on a stable surface. Serious damage and/or injury may result if the unit falls.
6. Do not cover slots and openings on the unit. They are provided for ventilation and protection against overheating. Never place the unit near radiators, or in a place where proper ventilation is not provided.
7. Use only the power source marked on the unit. If you are not sure of the type of power supplied to your home, consult your dealer or local power company.
8. Do not place objects on the power cord. Install the unit where no one can step or trip on the cord.
9. Do not overload wall outlets and extension cords. This can result in the risk of fire or electric shock.
10. Never push any objects through slots in this unit. This may result in the risk of fire or electric shock. Never spill any liquid on the unit.
11. To reduce the risk of electric shock, do not disassemble this unit. Take the unit to an authorized servicer 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 servicer 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 servicer.
  - 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.

- 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.

# FCC Information

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

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

Ringer Equivalence ..... 0.1B

The particular telephone line to which the equipment is connected.

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

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

## **Ringer Equivalence No. (REN):**

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

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

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

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

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

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

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

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

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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

### **CAUTION:**

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.

### **Note:**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Some cordless telephones operate at frequencies that may cause interference to nearby TVs and VCRs. To minimize or prevent such interference, the base of the cordless telephone should not be placed near, or on top of, a TV or VCR.

If interference is experienced, move the cordless telephone further away from the TV or VCR. This will often reduce, or eliminate, interference.