

Panasonic

900MHz Cordless Phone

Model No. **KX-TC1801B/KX-TC1801W**
KX-TC1802B

Pulse-or-tone dialing capability

Operating Instructions

**PLEASE READ BEFORE USE
AND SAVE.**

**Charge the battery for 6 hours
before initial use.**

Contents by Section

- 1 Getting Started
- 2 Making/Answering Calls
- 3 Speed Dialer
- 4 One-Touch Dialer
- 5 Special Features
- 6 Things You Should Know
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KX-TC1801B

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

- Panasonic Servicenters are listed in the servicenter directory.
- Call 1-800-211-PANA(7262) for the location of an authorized servicenter.
- Panasonic's e-mail address for customer inquiries:
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 servicenter, prepaid and adequately insured.
- Do not send your unit to the Panasonic Consumer Electronics Company listed below or to executive or regional sales offices.
These locations do not repair consumer products.

**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

1 Getting Started

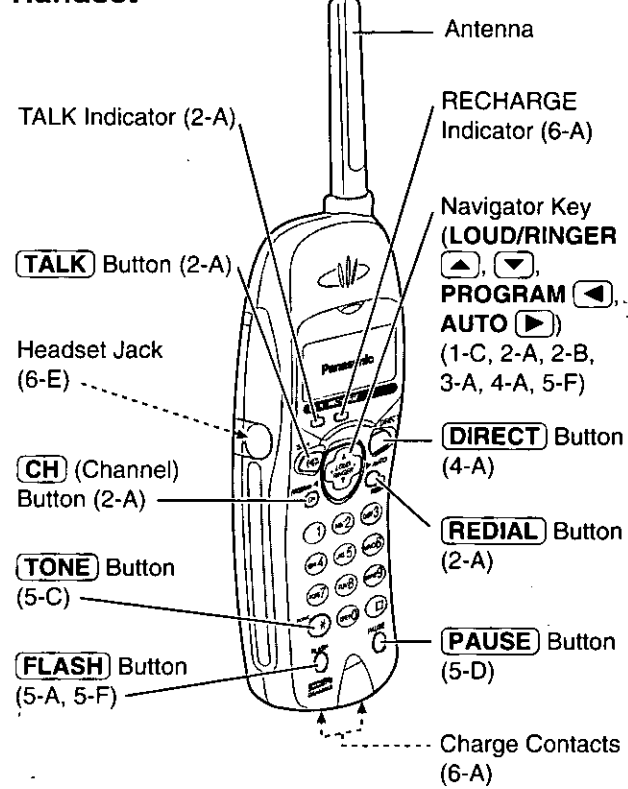


1-A Accessories

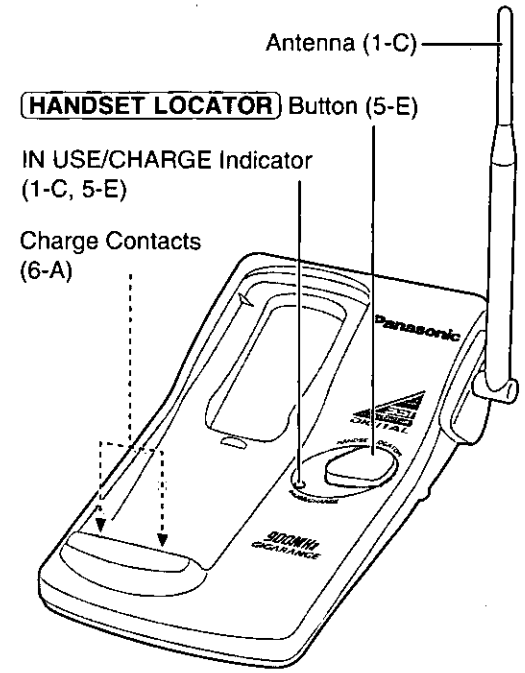
- AC Adaptor
one
Order No. KX-TCA1-G
- Telephone Line Cord
one
- Battery
one
Order No. P-P508
- Handset Cover
one
Order No.
PQKK10099Z1 (Black)
PQKK10099Z2 (White)
- Belt Clip
one
Order No.
PQKE10098Z1 (Black)
PQKE10098Z2 (White)
- Wall Mounting Adaptor
one
Order No.
PQKL10035Z1 (Black)
PQKL10035Z2 (White)
- Handset Holder
one
Order No.
PQKE10097Z1 (Black)
PQKE10097Z2 (White)

1-B Location of Controls

Handset



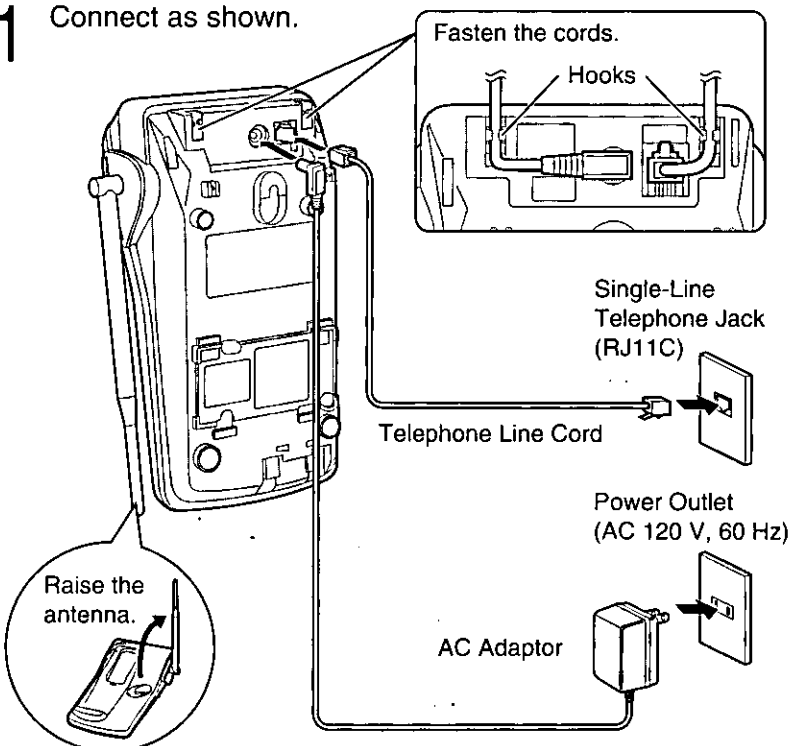
Base unit



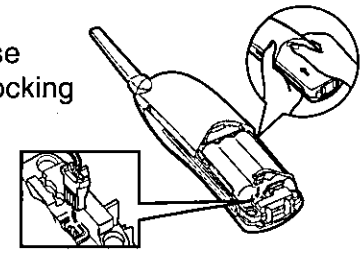
•For extra orders, call 1-800-332-5368.

1-C Settings

1 Connect as shown.

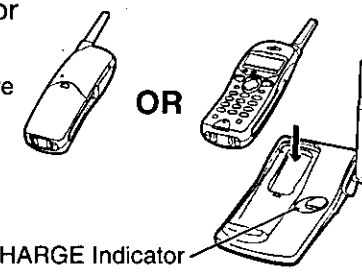


2 Install the battery in the handset and close the handset cover, locking it into place.



3 Charge the battery for 6 hours.

- See section 6-A for more details.
- The IN USE/CHARGE indicator lights.



- USE ONLY WITH Panasonic AC ADAPTOR KX-TCA1 (Order No. KX-TCA1-G).
- 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 6-G.

To select the dialing mode TONE (preset) or PULSE

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

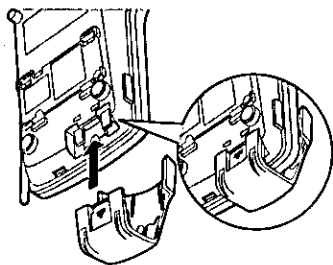
Press **PROGRAM** [left arrow] → **AUTO** [right arrow] → **#** twice (PULSE) OR ***** twice (TONE) → **PROGRAM** [left arrow].

- To cancel during programming, press **PROGRAM** [left arrow]. Start again from the beginning.
- If 3 beeps sound during programming, a wrong key was pressed. Start again from the beginning.

1-D Wall Mounting

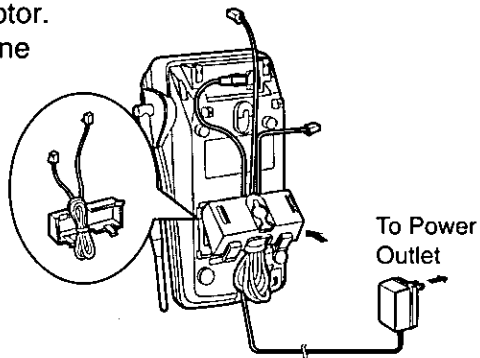
This unit can be mounted on a wall phone plate.

- 1 Set the handset holder as shown.



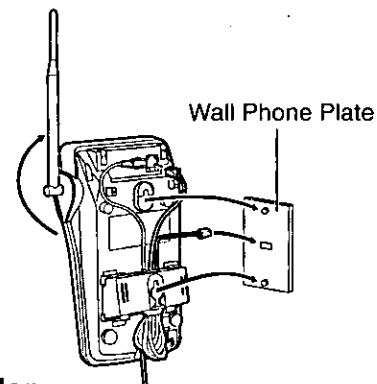
- 2 Connect the AC adaptor. Tuck the telephone line cord inside the wall mounting adaptor, then push it in the direction of the arrow.

- The word "UP" should face upward.



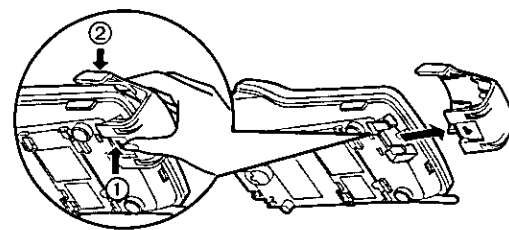
- 3 Connect the telephone line cord. Mount the unit, then slide down.

- Raise the antenna.



To remove the handset holder

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



2 Making/Answering Calls

2-A Making Calls

- 1 Press **TALK**.
 - The TALK indicator lights.
 - If an alarm tone sounds, see section 6-F.
- 2 Dial a phone number.
- 3 To hang up, press **TALK** or place the handset on the base unit.
 - The indicator light goes out.

To redial the last number dialed

Press **TALK** → **REDIAL**.

To select the receiver volume

3 levels (HIGH, MEDIUM, LOW) are available. Press **▲** or **▼** while talking.

- Each time you press **▲** or **▼**, the volume level will change.
- When you replace the battery, the selected receiver volume setting will return to the factory set (MEDIUM). Reprogram if necessary.

If noise interferes with the conversation

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

2-B Answering Calls

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).

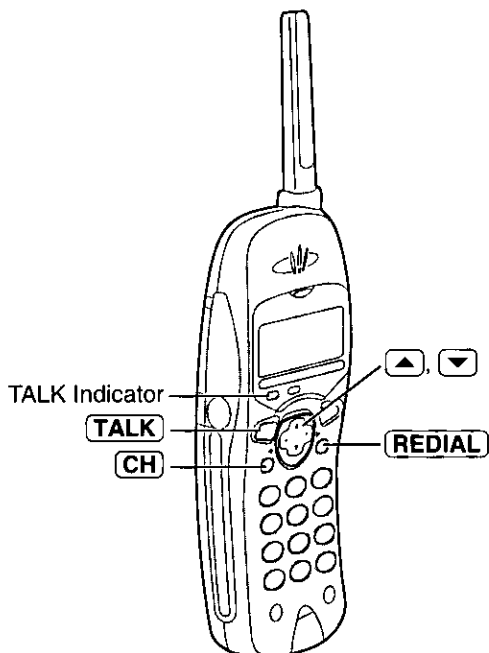
OR

If on the base unit, just lift up.

Selecting the ringer volume

The TALK indicator light must be off.

- To select **HIGH** (preset) or **LOW**, press **▲** or **▼**. Each time you press **▲** or **▼**, the ringer volume will change and the selected volume will ring.
- To turn the ringer **OFF**, press and hold **▼** until 2 beeps sound.
- To turn the ringer **ON**, press **▲**. The ringer will sound at the HIGH level.
- When you replace the battery, the selected ringer volume setting will return to the factory set. Reprogram if necessary.



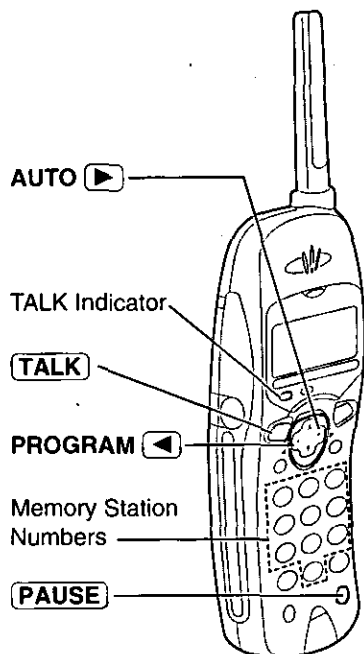
- For best operating performance, see section 6-B.

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.

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 TALK indicator light must be off before programming.



- 1 Press **PROGRAM** (◀).
 - The TALK indicator flashes.
- 2 Enter a phone number up to 22 digits.
- 3 Press **AUTO** (▶).
 - If the entered number is more than 22 digits long, 3 beeps will sound after pressing **AUTO** (▶). The unit will return to the standby mode. Start again from step 1.
- 4 Press a memory station number (0 to 9).
 - A beep sounds.
 - To store other numbers, repeat steps 1 through 4.

•If a pause is required for dialing, press **PAUSE** where needed. Pressing **PAUSE** counts as one digit (5-D).

If you misdial

Press **PROGRAM** (◀) to end storing. →
→ Start again from step 1.

To erase a stored number

Press **PROGRAM** (◀) → **AUTO** (▶) →
→ the memory station number (0 to 9) for the phone number to be erased.
•A beep sounds.

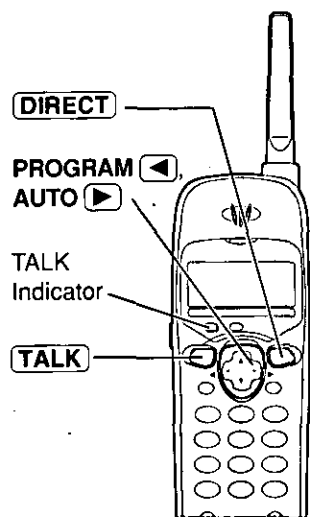
3-B Dialing a Stored Number

Press **TALK** (◀) → **AUTO** (▶) → the memory station number (0 to 9).

•If your line has rotary or pulse service, any access numbers stored after pressing **TONE** will not be dialed.

4 One-Touch Dialer Section 4

4-A Storing a Phone Number in the DIRECT Button



A phone number stored in the **DIRECT** button can be dialed with a one-touch operation. The TALK indicator light must be off before programming.

- 1 Press **PROGRAM** (◀).
 - The TALK indicator flashes.
- 2 Enter a phone number up to 48 digits.
 - If you misdial, press **PROGRAM** (◀), and start again from step 1.
- 3 Press **DIRECT**.
 - A beep sounds.

•If a pause is required for dialing, press **PAUSE** where needed. Pressing **PAUSE** counts as one digit (5-D).

4-B Dialing the Stored Number in the DIRECT Button

Press **DIRECT**.

•The stored number is dialed automatically.

•You can also dial the stored number in the **DIRECT** button by pressing **TALK** and **DIRECT**.

To erase a stored number: press **PROGRAM** (◀) → **AUTO** (▶) → **DIRECT**.

5 Special Features



5-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.

5-B Automatic Security Code Setting

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

5-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.
- Access numbers entered after pressing **TONE** will not be included when redialing.

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

We recommend you press **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 → **PAUSE** → Phone number

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

5-E Handset Locator

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

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

5-F FLASH Button

Pressing **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 the following flash times: "90, 100, 110, 250, 300, 400, 600, 700 msec (milliseconds)", **using the handset near the base unit**. Your phone comes from the factory set to "700 msec".

The TALK indicator light must be off before programming.

Press **PROGRAM** ◀ → Dialing button (1 to 8) → **AUTO** ▶ →
→ **FLASH**.

1: 90 msec 2: 100 msec 3: 110 msec
4: 250 msec 5: 300 msec 6: 400 msec
7: 600 msec 8: 700 msec

- If 3 beeps sound after programming, a wrong key was pressed. Start again from the beginning.
- 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 for the correct setting.

6 Things You Should Know

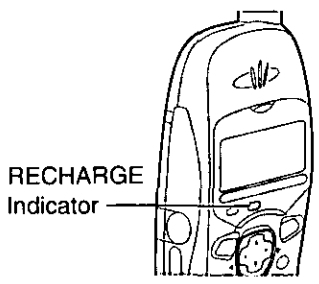


6-A Battery

Recharge

When the RECHARGE indicator flashes or the unit beeps intermittently, place the handset on the base unit to recharge the battery for 6 hours.

- If you DO NOT recharge the handset battery for more than 15 minutes, the RECHARGE indicator will continue to flash.



Battery information

After your Panasonic battery is fully charged:

Operation		Approx. battery life
While in use (TALK)	near the base unit*	Up to about 6 hours
	away from the base unit	Up to about 4 hours
While not in use (Standby)		Up to about 14 days

*Within about 10 feet (3 m)

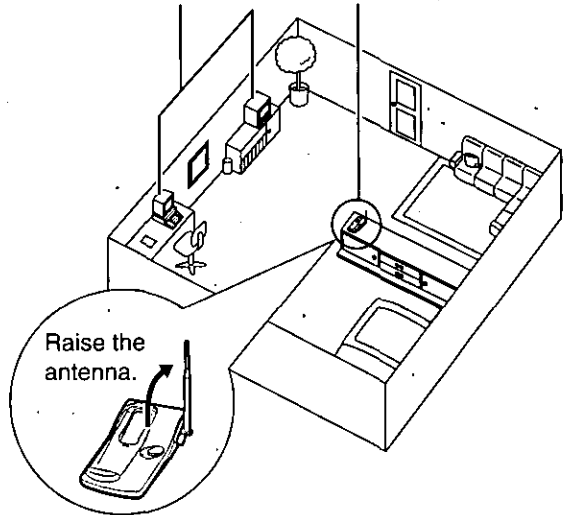
- Battery life may vary depending on usage conditions and ambient temperature.
- **Clean the handset and the base unit charge contacts with a soft, dry cloth once a month. Clean more often if the unit is subject to grease, dust or high humidity.** Otherwise the battery may not charge properly.
- If the battery is fully charged, you do not have to place the handset on the base unit until the RECHARGE indicator flashes. This will maximize the battery life.
- The battery cannot be overcharged.

6-B 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.

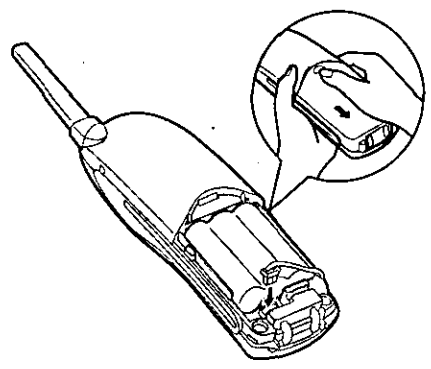
In a HIGH and CENTRAL location with no obstructions such as walls.



- 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.

6-C Battery Replacement

If the RECHARGE indicator flashes after being fully charged, replace the battery with a new Panasonic P-P508 battery. To order, call the accessories telephone number in section 1-A.



- 1 Remove the cover by sliding while pressing the arrow.
- 2 Replace the battery, and close the cover.
- 3 Be sure to charge the new battery for 6 hours.

Attention:

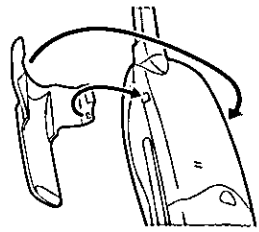
The product you have purchased is powered by a nickel cadmium battery which is recyclable. At the end of its useful life, under various state and local laws, it is illegal to dispose of this battery into your municipal waste stream. Please call 1-800-8-BATTERY for information on how to recycle this battery.



6-D 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

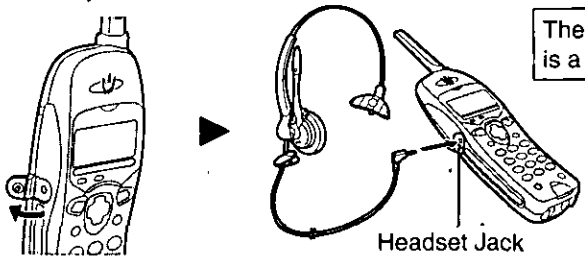


6-E Optional Headset

Plugging an optional headset into the handset allows a hands-free phone conversation. Please use only a Panasonic KX-TCA87 or KX-TCA90 headset. To order, call the accessories telephone number in section 1-A.

Connecting an optional headset to the handset

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



The illustration headset is a KX-TCA90.

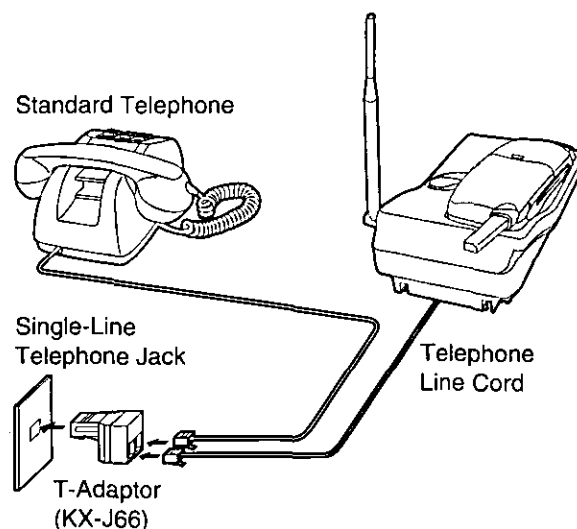
When an optional headset is connected to the handset, make sure to use the headset to talk with the caller. If you want to have a normal cordless phone conversation, disconnect the headset.

6-F Before Requesting Help

Problem	Remedy
The unit does not work.	<ul style="list-style-type: none"> • Check the settings (1-C). • Charge the battery fully (6-A). • Clean the charge contacts and charge again (6-A). • Install the battery properly (1-C, 6-C). • Place the handset on the base unit and unplug the AC adaptor to reset. Plug in, and try again.
An alarm tone sounds.	<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. • Raise the base unit antenna.
Static, sound cuts in/out, fades. Interference from other electrical units.	<ul style="list-style-type: none"> • Locate the handset and the base unit away from other electrical appliances (6-B). • Move closer to the base unit. • Raise the base unit antenna. • Press [CH] to select a clearer channel.
The unit does not ring.	<ul style="list-style-type: none"> • The ringer volume is set to OFF. Press [▲] or [▼] while the TALK indicator light is off (2-B).
While storing a phone number, the unit starts to ring.	<ul style="list-style-type: none"> • To answer the call, press [TALK]. The program will be canceled. Store the number again.
You cannot store a phone number in memory.	<ul style="list-style-type: none"> • You cannot store a number while the unit is in the talk mode. • Do not pause for over 60 seconds while storing.
Previously programmed information is erased.	<ul style="list-style-type: none"> • If a power failure occurs, programmed information may be erased. Reprogram if necessary.
You cannot redial by pressing [REDIAL] .	<ul style="list-style-type: none"> • If the last number dialed was more than 32 digits long, the number will not be redialed correctly.
[HANDSET LOCATOR] 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.
The RECHARGE indicator flashes or the unit beeps intermittently.	<ul style="list-style-type: none"> • Charge the battery fully (6-A).
You charged the battery fully, but the RECHARGE indicator flashes.	<ul style="list-style-type: none"> • Clean the charge contacts and charge again (6-A). • Install a new battery (6-C).
The IN USE/CHARGE indicator light does not go out while charging.	<ul style="list-style-type: none"> • This is normal.
If you cannot solve your problem	<ul style="list-style-type: none"> • Call our customer call center at 1-800-211-PANA(7262). • Panasonic's e-mail address for customer inquiries: consumerproducts@panasonic.com for customers in the USA or Puerto Rico ONLY

6-G 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.



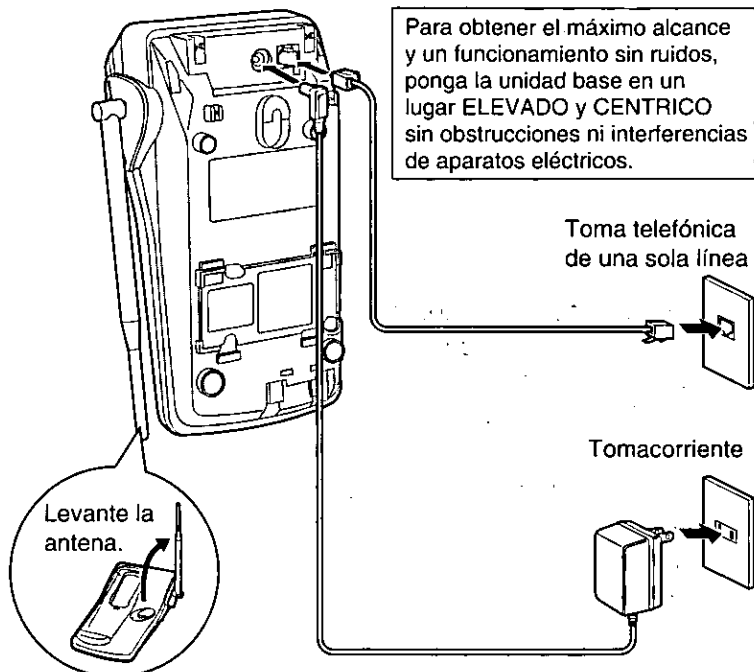
6-H Helpful Information

- **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.
- **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 905MHz to 925MHz and the power output level can range from 0.001 watts to 0.1 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.
- **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。

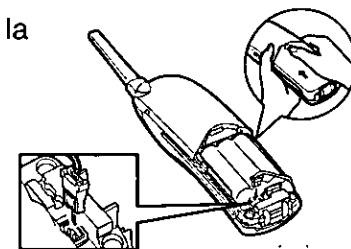
7-A Preparación

1 Conecte como se muestra.



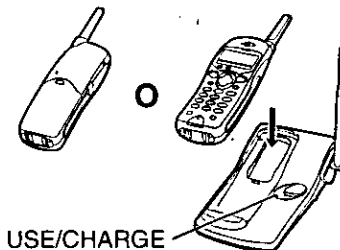
- El adaptador de CA debe permanecer conectado en todo momento.
- Para instalar la presilla para el cinturón o un auricular opcional (n.º de pedido KX-TCA87 o KX-TCA90), consulte la sección 6-D o 6-E.

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



3 Cargue la batería durante 6 horas.

- El indicador IN USE/CHARGE se encenderá.

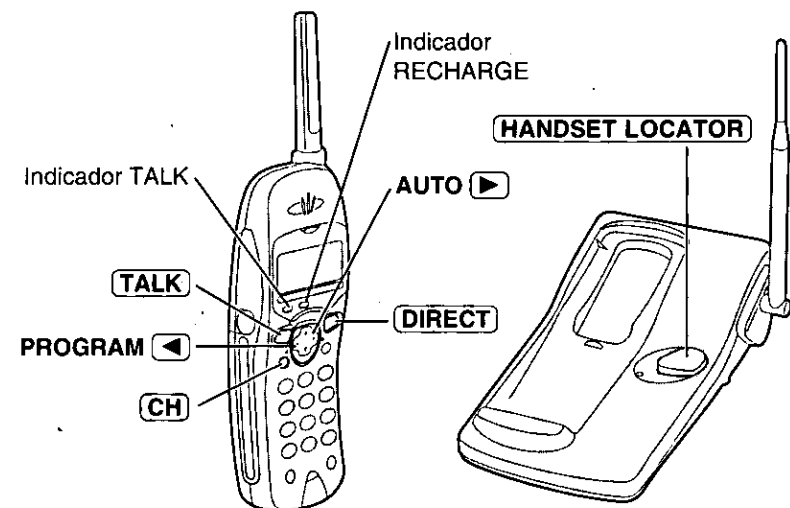


Selección del modo de marcación por TONO (preajustado) o PULSACIÓN

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

Presione **PROGRAM** ◀ → **AUTO** ▶ → **#** dos veces (PULSACIÓN) → **O** → ***** dos veces (TONO) → **PROGRAM** ◀.

7-B Funcionamiento



- Cuando el indicador RECHARGE parpadee o la unidad emita pitidos intermitentemente, cargue la batería.

Para hacer llamadas

- Presione **TALK** → Marque un número de teléfono.
- Para colgar, presione **TALK** 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 a la unidad base.

Contestación de llamadas

- Si la unidad portátil no está en la unidad base, presione **TALK** o cualquier botón de marcación (**0** a **9**, ***** o **#**).
- Si está en la unidad base, levántela solamente.

Marcación rápida

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

Para almacenar números de teléfono en la memoria

Presione **PROGRAM** ◀ → **Número de teléfono (hasta 22 dígitos)** → **AUTO** ▶ → **Número de estación**.

Para marcar un número almacenado

Presione **TALK** → **AUTO** ▶ → **Número de estación**.

Marcación de un toque

El número de teléfono almacenado en el botón **DIRECT** se puede marcar con la operación de un toque. El indicador TALK deberá estar apagado antes de programar.

Para almacenar un número de teléfono en el botón DIRECT

Presione **PROGRAM** ◀ → **Número de teléfono (hasta 48 dígitos)** → **DIRECT**.

Para marcar el número almacenado en el botón DIRECT

Presione **DIRECT**.

Localización de la unidad portátil

- Presione **HANDSET LOCATOR** en la unidad base.
- La unidad portátil emite pitidos durante 1 minuto.
- Para detener la localización, presione de nuevo **HANDSET LOCATOR** o presione dos veces **TALK** en la unidad portátil.