

Panasonic

900MHz Cordless Phone

Model No. **KX-TC1811B**

Pulse-or-tone dialing capability

Operating Instructions



PLEASE READ BEFORE USE AND SAVE.

Charge the battery for about 6 hours before initial use.

Panasonic World Wide Web address: <http://www.panasonic.com>
for customers in the USA or Puerto Rico

Preparation

Basic Operation

Advanced Operation

Useful Information

Before Initial Use

Please read **IMPORTANT SAFETY INSTRUCTIONS** on page 36 before use.
Read and understand all instructions.

Thank you for purchasing your new Panasonic cordless telephone.

Attach your purchase receipt here.

For your future reference

Serial No. _____

(found on the bottom of the unit)

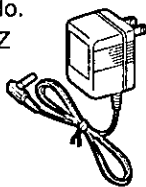
Date of purchase _____

Name and address of dealer _____

Accessories (included) For extra orders, call 1-800-332-5368.

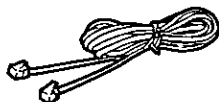
AC Adaptor (p. 8)

Order No.
PQLV1Z



one

Telephone Line
Cord (p. 8)



one

Battery (p. 9)

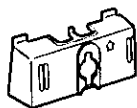
Order No.
P-P508



one

Wall Mounting
Adaptor (p. 30)

Order No.
PQKL10035Z1



one

Handset
Holder (p. 30)

Order No.
PQKE10097Z1



one

Belt Clip
(p. 29)

Order No.
PQKE10098Z1



one

Handset
Cover (p. 9)

Order No.
PQKK10099Z1

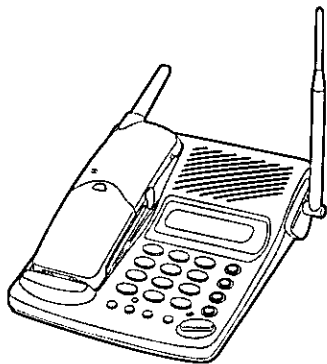


one

For Best Performance

Battery Charge

A rechargeable Ni-Cd battery powers the handset. Charge the battery for about **6 hours** before initial use (p. 9).

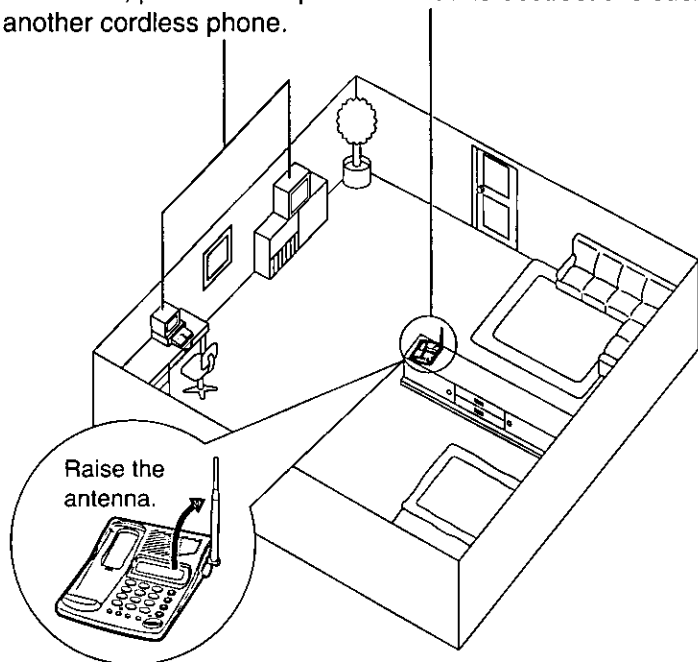


Base Unit Location/Noise

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.

Contents

Preparation

Location of Controls	6
Settings	8
Connections	8
Installing the Battery in the Handset	9
Battery Charge	9
Selecting the Dialing Mode	10
Selecting the Ringer Volume	11

Basic Operation

Making Calls	12
With the Handset	12
With the Base Unit (Digital Duplex Speakerphone)	14
Simultaneous Keypad Dialing	16
Answering Calls	17
With the Handset	17
With the Base Unit	17
Speed Dialer (Handset)	18
Storing Phone Numbers in Memory	18
Dialing a Stored Number	19
Speed Dialer (Base Unit)	20
Storing Phone Numbers in Memory	20
Dialing a Stored Number	21
One-Touch Dialer	22
Storing a Phone Number in the DIRECT Button	22
Dialing the Stored Number in the DIRECT Button	23

Advanced Operation

Intercom	24
Transferring a Call Using the Intercom	25
Special Features	26
For Call Waiting Service Users	26
Automatic Security Code Setting	26
Temporary Tone Dialing (For Rotary or Pulse Service Users)	27
How to Use the PAUSE Button (For Analog PBX Line/Long Distance Service Users)	27
FLASH Button	28

Useful Information

Using the Belt Clip	29
Using an Optional Headset	29
Wall Mounting	30
Battery Replacement	32
Adding Another Phone	33
Before Requesting Help	34
Important Safety Instructions	36
FCC and Other Information	38

Preparation

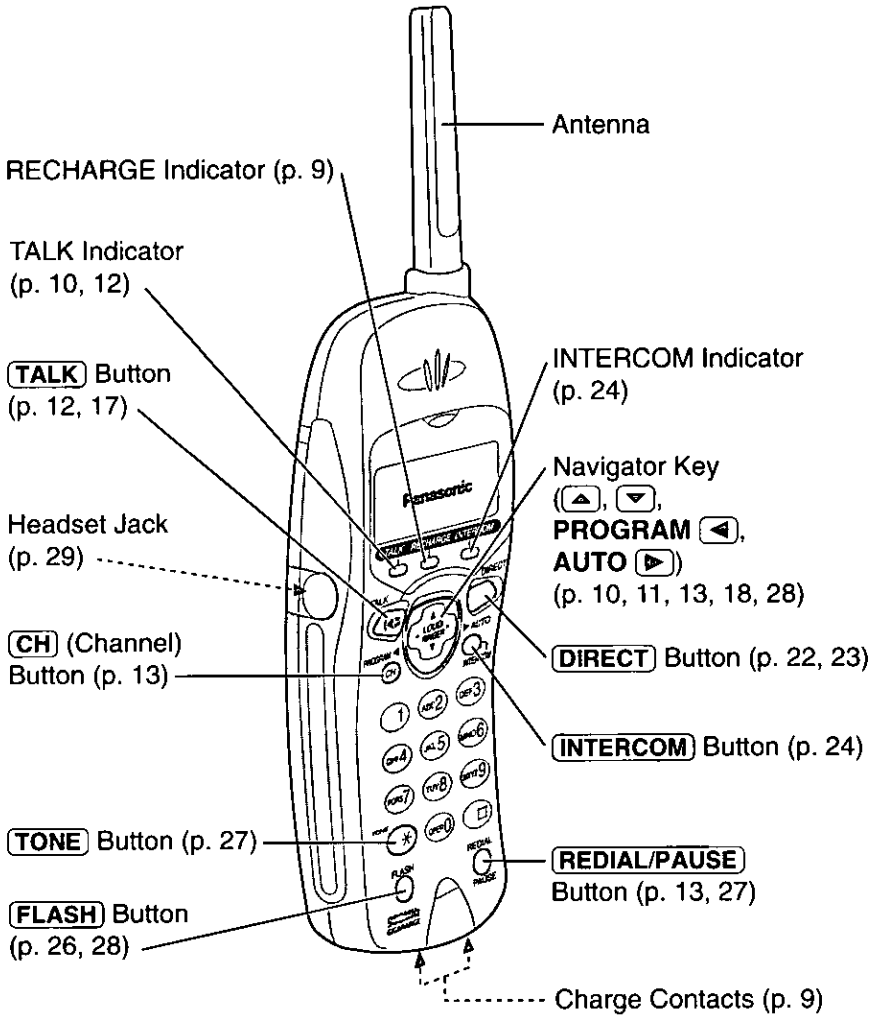
Basic Operation

Advanced Operation

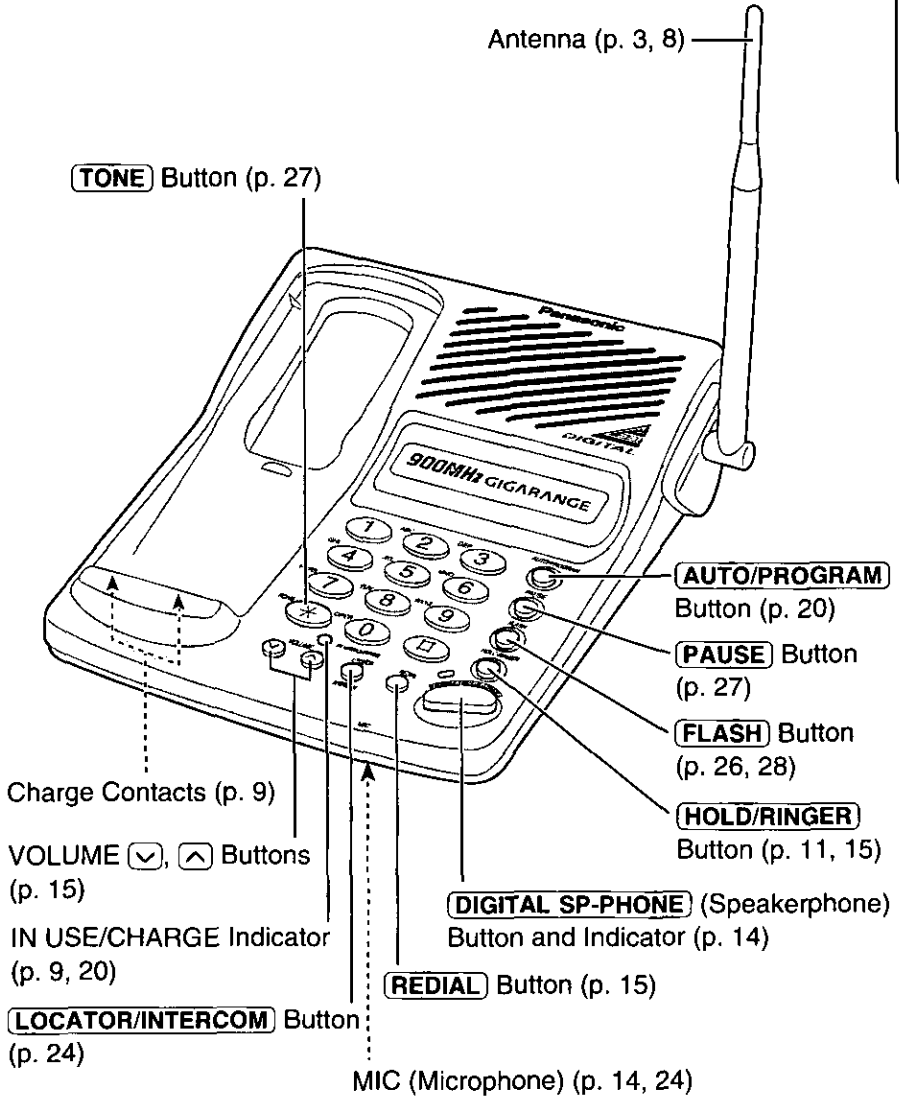
Useful Information

Location of Controls

Handset

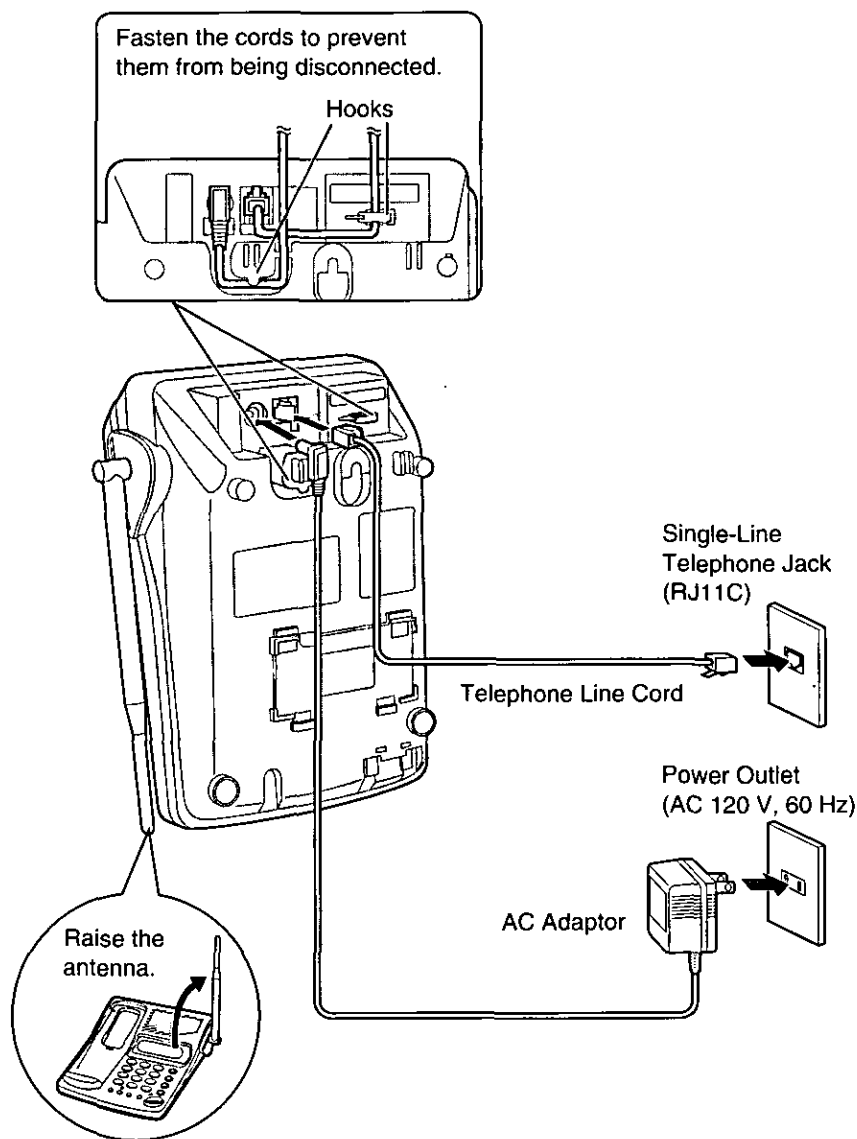


Base unit



Settings

Connections

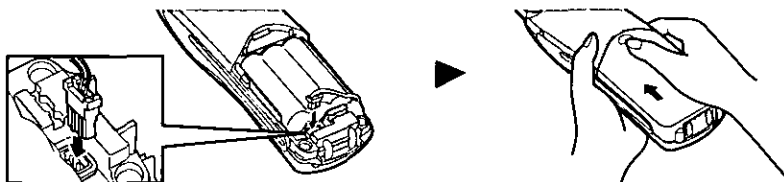


- USE ONLY WITH Panasonic AC ADAPTOR PQLV1 (Order No. PQLV1Z).
- The AC adaptor must remain connected at all times. (It is normal for the adaptor to feel warm during use.)
- To connect a standard telephone on the same line, see page 33.



Installing the Battery in the Handset

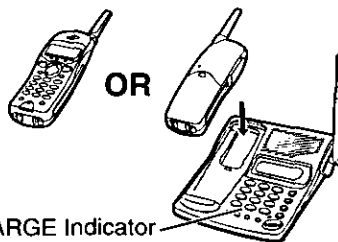
Install the battery and close the handset cover, locking it into the place.



Battery Charge

Place the handset on the base unit and charge for about **6 hours** before initial use.

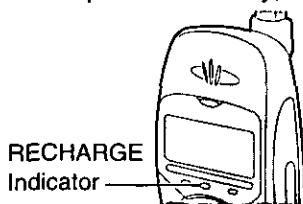
- The IN USE/CHARGE indicator lights.



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.

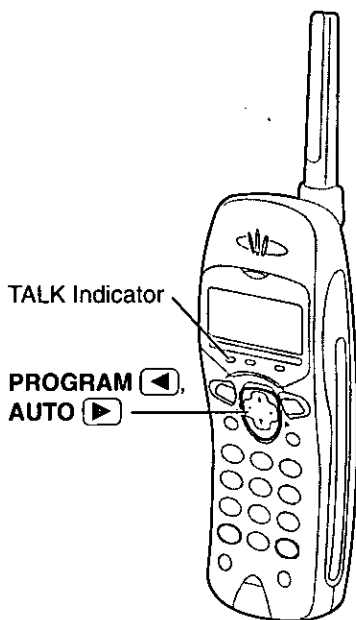
► Settings

Selecting the Dialing Mode

If you have touch tone service, set to TONE. If rotary or pulse service is used, set to PULSE. Your phone comes from the factory set to TONE.

The TALK and DIGITAL SP-PHONE indicator lights must be off before programming. Use the handset near the base unit.

- 1 Press **PROGRAM** ◀.
•The TALK indicator flashes.
- 2 Press **AUTO** ▶.
- 3 To select PULSE, press **#** twice.
OR
To select TONE, press ***** twice.
- 4 Press **PROGRAM** ◀.
•A beep sounds.



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



Selecting the Ringer Volume

With the handset

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.

With the base unit

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

- To select **HIGH (preset) or LOW**,

press **HOLD/RINGER**.

Each time you press the button, the ringer volume will change and the selected volume will ring.

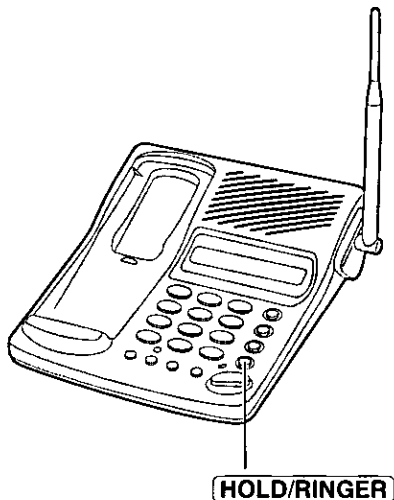
- To turn the ringer **OFF**,

press and hold **HOLD/RINGER** until 2 beeps sound.

- To turn the ringer **ON**,

press **HOLD/RINGER**.

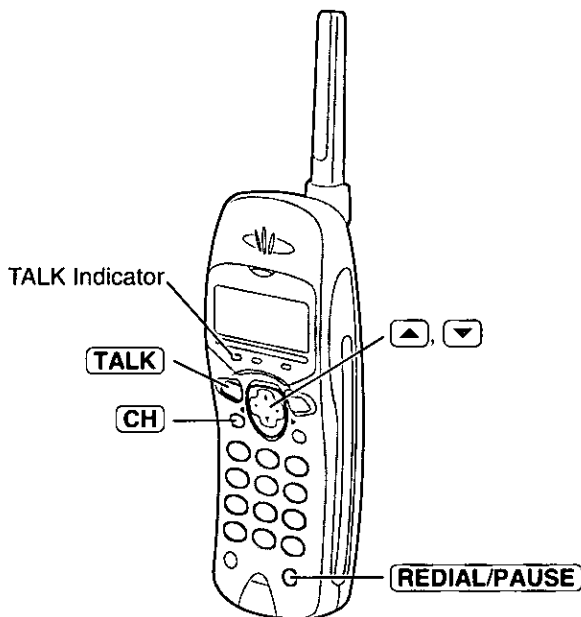
The ringer will sound at the HIGH level.



Making Calls

With the Handset

To have a hands-free conversation, connect the headset to the handset (p. 29).



- 1 Press **TALK**.
 - The TALK indicator lights.
- 2 Dial a phone number.
- 3 To hang up, press **TALK** or place the handset on the base unit.
 - The indicator light goes out.

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





To redial the last number dialed on the handset

Press **TALK** → **REDIAL/PAUSE**.

To select the handset 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.

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.

► Making Calls

With the Base Unit (Digital Duplex Speakerphone)

1 Press **DIGITAL SP-PHONE**.

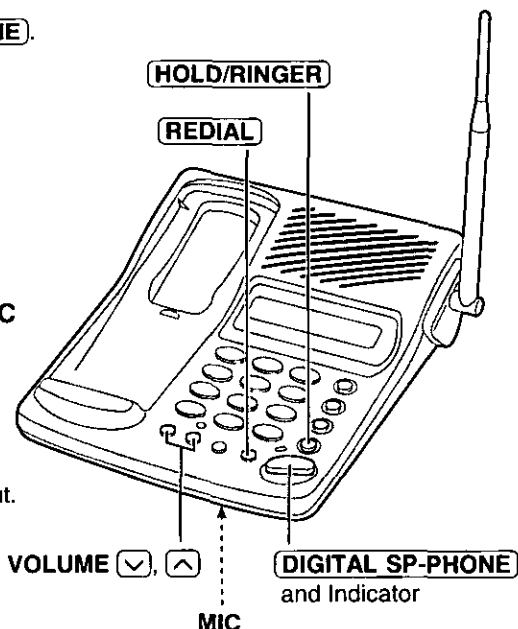
- The DIGITAL SP-PHONE indicator lights.

2 Dial a phone number.

3 When the other party answers, talk into the **MIC** (microphone).

4 To hang up, press **DIGITAL SP-PHONE**.

- The indicator light goes out.



•To switch to the handset while using the speakerphone:

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

—If on the base unit, just lift up.

•During a call using the handset, the call can be switched to the speakerphone by pressing **DIGITAL SP-PHONE** on the base unit.

Hands-free Digital Duplex Speakerphone

For best performance, please note the following:

- Talk alternately with the caller in a quiet room.
- If the other party has difficulty hearing you, press **VOLUME** to decrease the speaker volume.
- If the other party's voice from the speaker cuts in/out during a conversation, press **VOLUME** to decrease the speaker volume.



To adjust the speaker volume (8 levels) while talking

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

To redial the last number dialed on the base unit

Press **DIGITAL SP-PHONE** → **REDIAL**.

To put a call on hold

Press **HOLD/RINGER**.

- The DIGITAL SP-PHONE indicator flashes.

To release the hold

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

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

- If another phone is connected on the same line (p. 33), you can also release the hold by lifting its handset.

► Making Calls

Simultaneous Keypad Dialing

You can use the base unit like a standard telephone. After pressing **TALK** to make a call with the handset near the base unit, you can also dial using the base unit keypad.

- 1 Handset:
Press **TALK**.
- 2 Base unit:
Dial a phone number while hearing a dial tone on the handset.
 - When the other party answers, talk using the handset.
- 3 Handset:
To hang up, press **TALK** or place the handset on the base unit.



Simultaneous Keypad Dialing is only possible after pressing **TALK**

Useful information

You can enter numbers using the base unit keypad during a call with the handset. For example, to access an answering service, electronic banking service, etc.

- 1 Handset:
Press **TALK**.
- 2 Handset:
Dial a phone number.
 - You can also dial with the base unit keypad.
- 3 Base unit:
Enter the required numbers while listening to the pre-recorded instructions.
- 4 Handset:
To hang up, press **TALK** or place the handset on the base unit.

Answering Calls

With the Handset

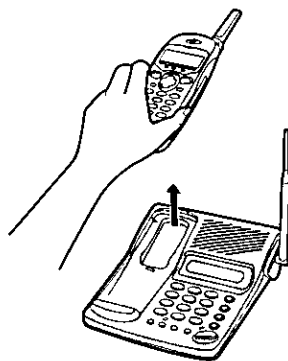
If the handset is off the base unit, press **TALK**.

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



OR

If on the base unit, just lift up.



Basic Operation

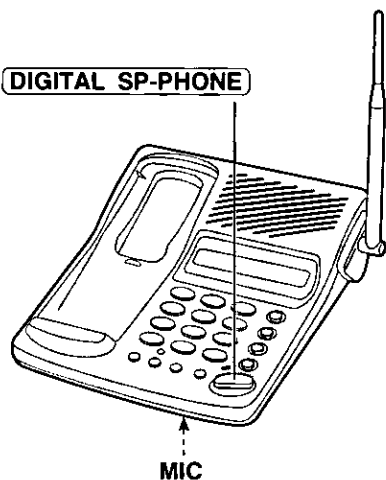
When the headset is connected (p. 29), make sure to use the headset to talk with the caller. If you want to have a normal cordless phone conversation, disconnect the headset.

With the Base Unit

1 Press **DIGITAL SP-PHONE**.

2 Talk into the **MIC**.

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



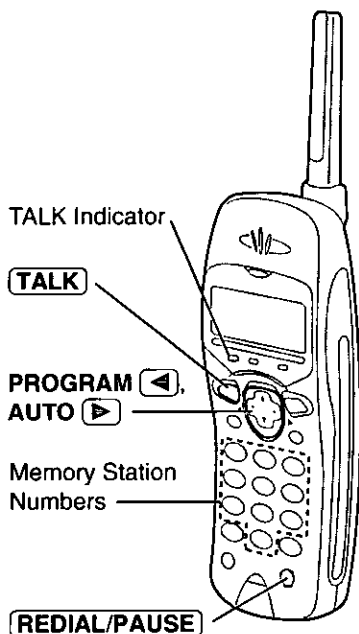
Speed Dialer (Handset)

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.



The TALK and DIGITAL SP-PHONE indicator lights 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.




- To cancel during programming, press **PROGRAM** (◀). Start again from step 1.
- If a pause is required for dialing, press **REDIAL/PAUSE** where needed. Pressing **REDIAL/PAUSE** counts as one digit (p. 27).

To erase a stored number

- 1 Press **PROGRAM** .
 - The TALK indicator flashes.
- 2 Press **AUTO** .
- 3 Press the memory station number ((**0**) to (**9**)) for the phone number to be erased.
 - A beep sounds.

Dialing a Stored Number

- 1 Press **TALK**.
- 2 Press **AUTO** .
- 3 Press the memory station number ((**0**) to (**9**)).
 - The stored number is dialed.

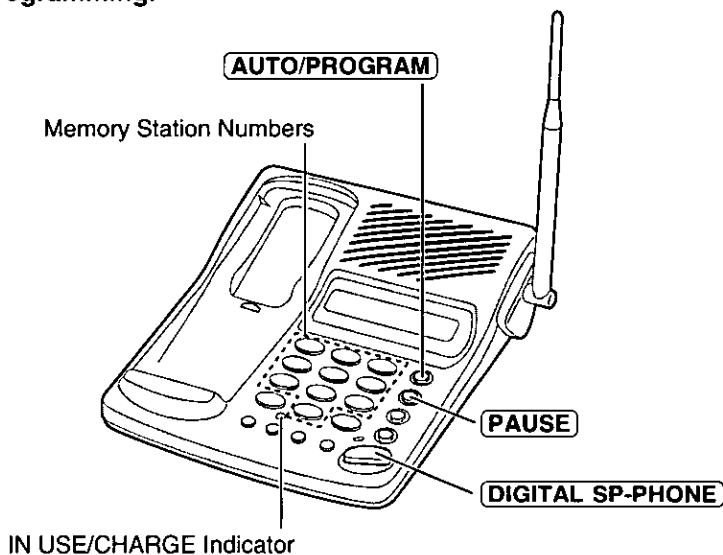
- Numbers stored in the handset can only be dialed from the handset.
- If your line has rotary or pulse service, any access numbers stored after pressing **TONE** will not be dialed.

Speed Dialer (Base Unit)

Storing Phone Numbers in Memory

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

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



- 1 Press **AUTO/PROGRAM**.
 - The IN USE/CHARGE indicator flashes.
- 2 Enter a phone number up to 22 digits.
 - If you misdial, press **AUTO/PROGRAM** twice to end storing, and start again from step 1.
- 3 Press **AUTO/PROGRAM**.
- 4 Press a memory station number ((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 (p. 27).

To erase a stored number

- 1 Press **AUTO/PROGRAM** twice.
 - The IN USE/CHARGE indicator flashes.
- 2 Press the memory station number (**0** to **9**) for the phone number to be erased.
 - A beep sounds.

Dialing a Stored Number

- 1 Press **DIGITAL SP-PHONE**.
- 2 Press **AUTO/PROGRAM**.
- 3 Press the memory station number (**0** to **9**).
 - The stored number is dialed.



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

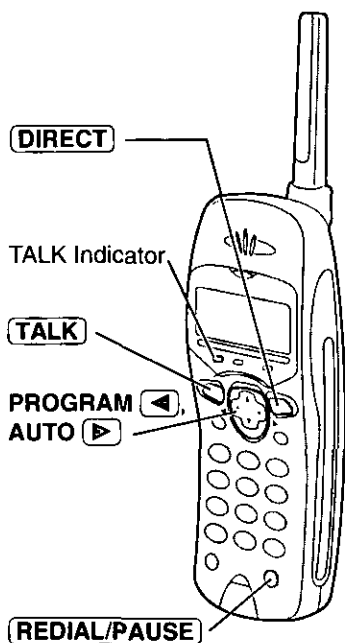
One-Touch Dialer

A phone number stored in the **DIRECT** button can be dialed with a one-touch operation.

Storing a Phone Number in the DIRECT Button



The **TALK** and **DIGITAL SP-PHONE** indicator lights 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 **REDIAL/PAUSE** where needed. Pressing **REDIAL/PAUSE** counts as one digit (p. 27).

To erase a stored number

- 1 Press **PROGRAM** .
 - The TALK indicator flashes.
- 2 Press **AUTO** .
- 3 Press **DIRECT**.
 - A beep sounds.

Dialing the Stored Number in the DIRECT Button

- 1 Press **DIRECT**.
 - The stored number is dialed automatically.
 - You can also dial the stored number in the **DIRECT** button by pressing **TALK** and **DIRECT**.
- 2 To hang up, press **TALK** or place the handset on the base unit.

Intercom

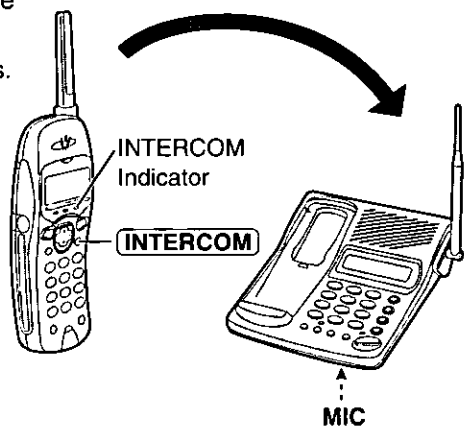
A 2-way intercom is possible between the handset and the base unit.

Paging the base unit from the handset

- 1 Handset:
Press **INTERCOM**. Talk to the paged party after the beeps.
 - The INTERCOM indicator lights.

- 2 Base unit:
When the other party's voice is heard, answer using the **MIC**.

- 3 Handset:
To end the intercom, press **INTERCOM**.



Paging the handset from the base unit (Handset locator)

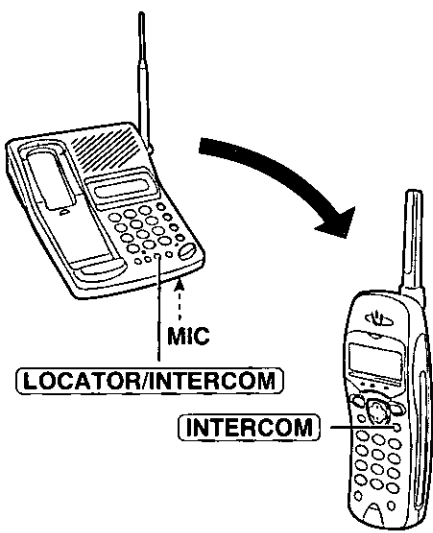
Using this feature, you can locate a misplaced handset.

- 1 Base unit:
Press **LOCATOR/INTERCOM**.
 - The handset beeps for 1 minute.
 - To stop paging, press **LOCATOR/INTERCOM** again.

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

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

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



•You cannot page the handset while it is being used for programming.

During an intercom call:

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

Transferring a Call Using the Intercom

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

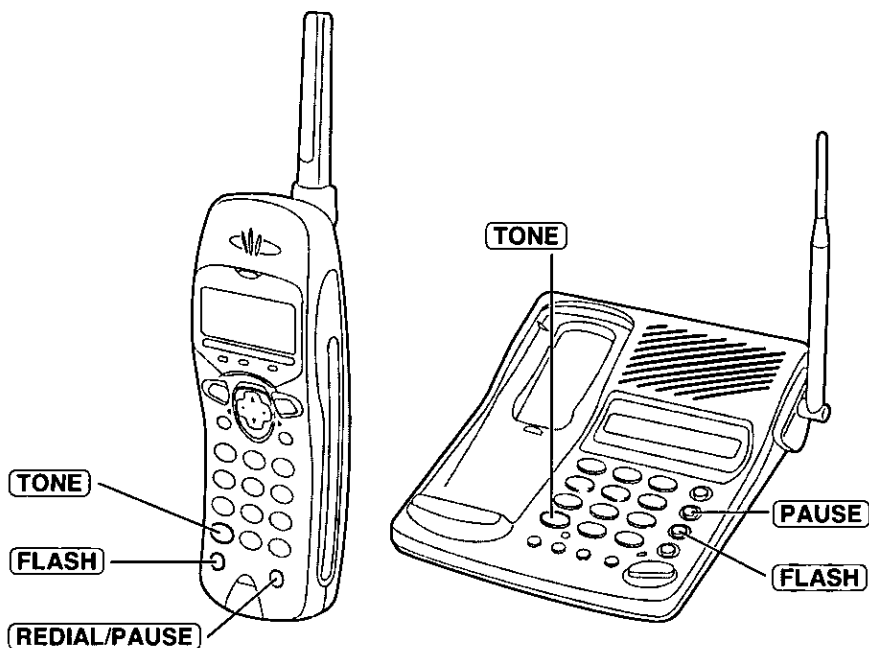
From the handset to the base unit

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

From the base unit to the handset

- 1** Base unit:
During a call, press **LOCATOR/INTERCOM**.
 - The call is put on hold.
 - If the handset user does not answer, press **DIGITAL SP-PHONE**.
- 2** Handset:
Press **INTERCOM** to answer the page.
- 3** Handset:
To answer the call, press **TALK**.
 - The transfer is complete.

Special Features



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.

Automatic Security Code Setting

Each time 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.



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.

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

We recommend you press **REDIAL/PAUSE** or **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 → **REDIAL/PAUSE** or **PAUSE** → Phone number

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

► Special Features


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.

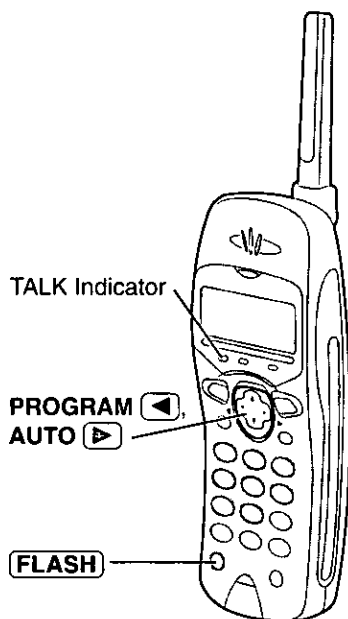
Selecting the flash time

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

- 1 Press **PROGRAM** .
•The TALK indicator flashes.
- 2 Press a dialing button (**1** to **8**).

1 : 90 msec	2 : 100 msec
3 : 110 msec	4 : 250 msec
5 : 300 msec	6 : 400 msec
7 : 600 msec	8 : 700 msec
- 3 Press **AUTO** .
- 4 Press **FLASH**.
•A beep sounds.

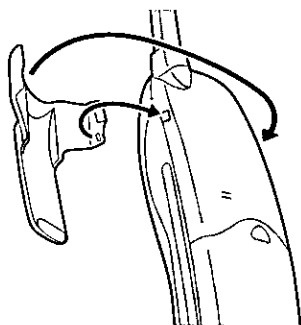


- If 3 beeps sound after programming, a wrong key was pressed. Start again from the beginning.
- If you are connected via a PBX, a longer flash time may be necessary to use PBX functions (transferring a call etc.). Consult your PBX supplier for the correct setting.

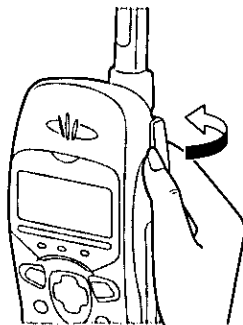
Using the Belt Clip

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

To attach the belt clip



To remove the belt clip

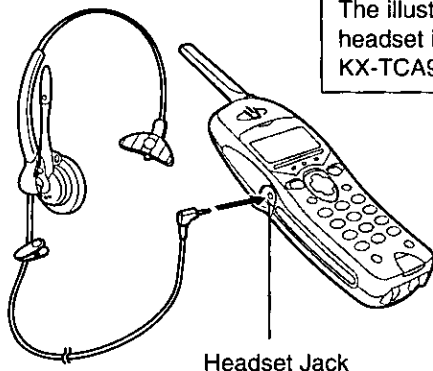


Using an Optional Headset

Plugging an optional headset into the handset allows a hands-free phone conversation. Please use only a Panasonic KX-TCA87 or KX-TCA90 headset. To order, call the accessories telephone number on page 2.

Connecting an optional headset to the handset

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



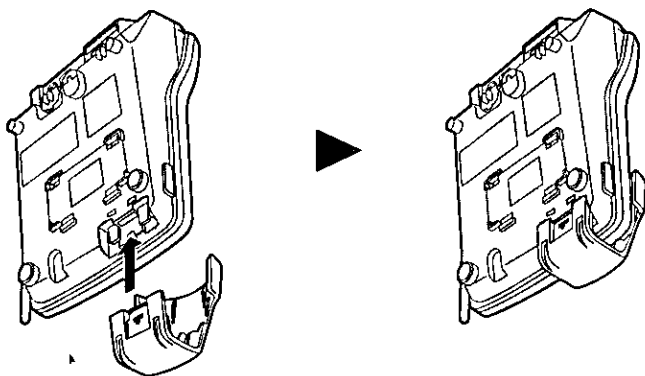
The illustration headset is a KX-TCA90.

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.

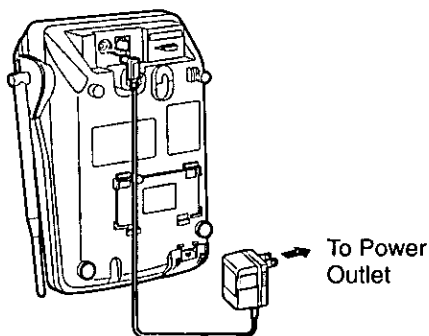
Wall Mounting

This unit can be mounted on a wall phone plate.

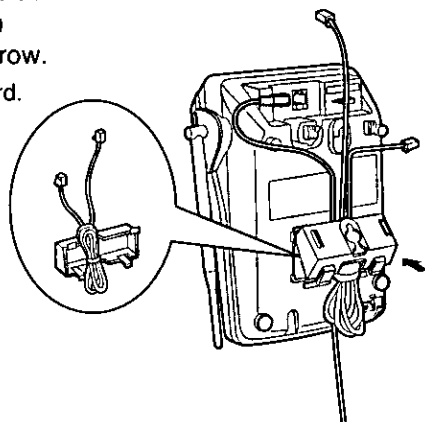
- 1 Set the handset holder as shown.



- 2 Connect the AC adaptor.

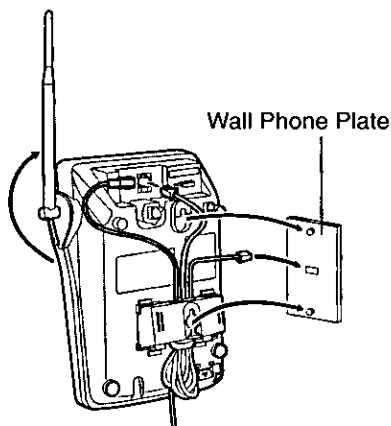


- 3 Tuck the telephone line cord inside the wall mounting adaptor, then push it in the direction of the arrow.
•The word "UP" should face upward.



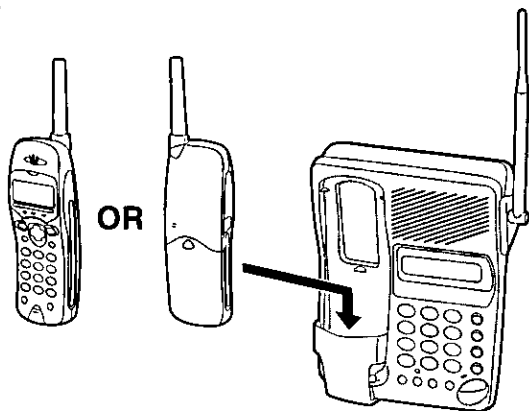
- 4** Connect the telephone line cord.
Mount the unit, then slide down.

- Raise the antenna.



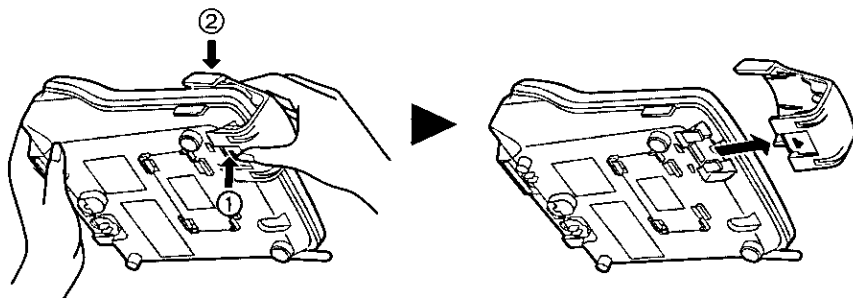
- 5 To charge the battery:**
Place the handset on
the handset holder as
shown.

- 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.



Useful Information

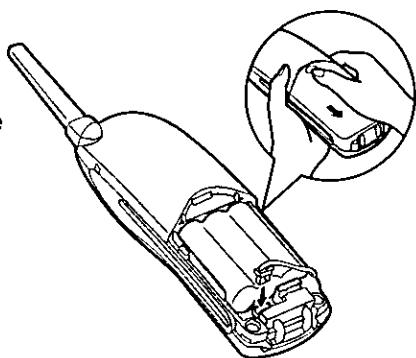
Battery Replacement

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 on page 2.

1 Press notch on battery cover firmly and slide it as indicated by arrow.

2 Replace the battery and close the cover.

3 Make sure you charge the new battery for about 6 hours.



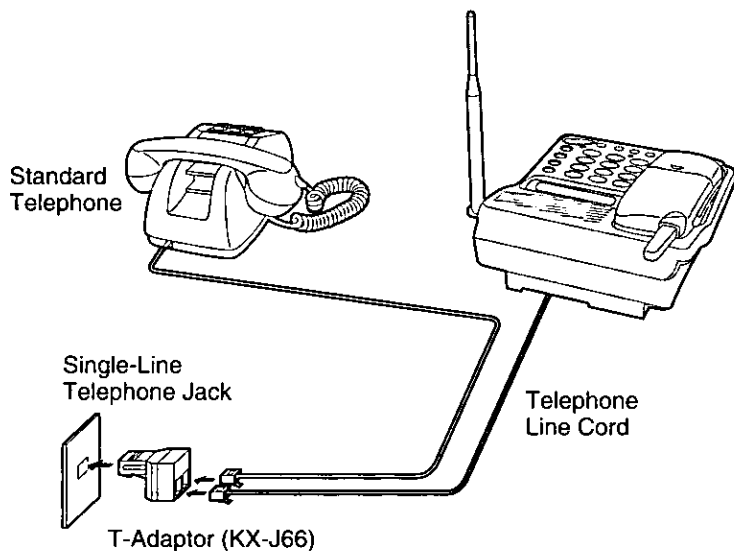
Attention:

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.



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 on page 2.



Before Requesting Help

Problem	Remedy
The unit does not work.	<ul style="list-style-type: none">• Check the settings (p. 8–11).• Charge the battery fully (p. 9).• Clean the charge contacts and charge again (p. 9).• Install the battery properly (p. 9, 32).• 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 (p. 3).• Move closer to the base unit.• Raise the base unit antenna.• Press [CH] to select a clearer channel.
The handset does not ring.	<ul style="list-style-type: none">• The ringer volume is set to OFF. Press [▲] or [▼] while the TALK indicator light is off (p. 11).
The base unit does not ring.	<ul style="list-style-type: none">• The ringer volume is set to OFF. Press [HOLD/RINGER] while the TALK and DIGITAL SP-PHONE indicator lights are off (p. 11).
You cannot program items, such as the dialing mode.	<ul style="list-style-type: none">• Programming is not possible while the unit is in the talk mode.• Do not pause for over 60 seconds while programming.• Move closer to the base unit.
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.

Problem	Remedy
Previously programmed information is erased.	<ul style="list-style-type: none"> ● If a power failure occurs, programmed information may be erased. Reprogram if necessary.
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.
You cannot redial by pressing REDIAL/PAUSE or 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. ● Access numbers entered after pressing -tone will not be included when redialing.
The RECHARGE indicator flashes or the unit beeps intermittently.	<ul style="list-style-type: none"> ● Charge the battery fully (p. 9).
You charged the battery fully, but the RECHARGE indicator flashes.	<ul style="list-style-type: none"> ● Clean the charge contacts and charge again (p. 9). ● Install a new battery (p. 32).
The IN USE/CHARGE indicator light does not go out while charging.	<ul style="list-style-type: none"> ● This is normal.
You cannot have a conversation using the handset.	<ul style="list-style-type: none"> ● When an optional headset is connected (p. 29), you must use the headset to talk with the caller. To have a normal cordless phone conversation, disconnect the headset.
You cannot have a conversation using the headset.	<ul style="list-style-type: none"> ● Make sure that an optional headset is connected properly (p. 29).
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

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.

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 0.1B

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.

- **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.

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.

- 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。

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