KM4 99-4031
FCC ID: ACJ96NKX-TC1800

Panasonic

Model No. KX-TC1850B

Pulse-or-tone dialing capability

OPERATING INSTRUCTIONS

Contents:

Location of controls	2
Connection	5
Battery charge	6
Selecting the dialing mode	7
Making/Answering calls	8
One-touch dialer	9
Speed dialer	10
Caller ID service	11
Important safety instructions	12
FCC and other information	14

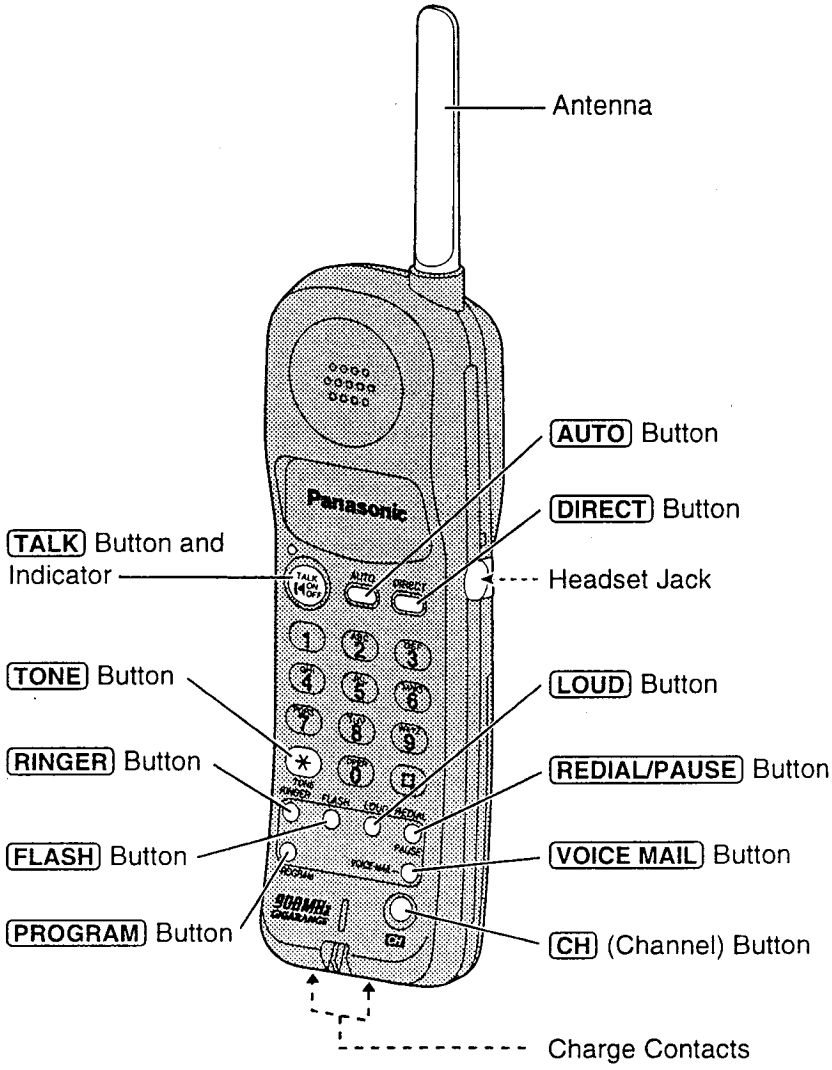
Please read before use.

Charge the battery for about 4 hours before initial use.

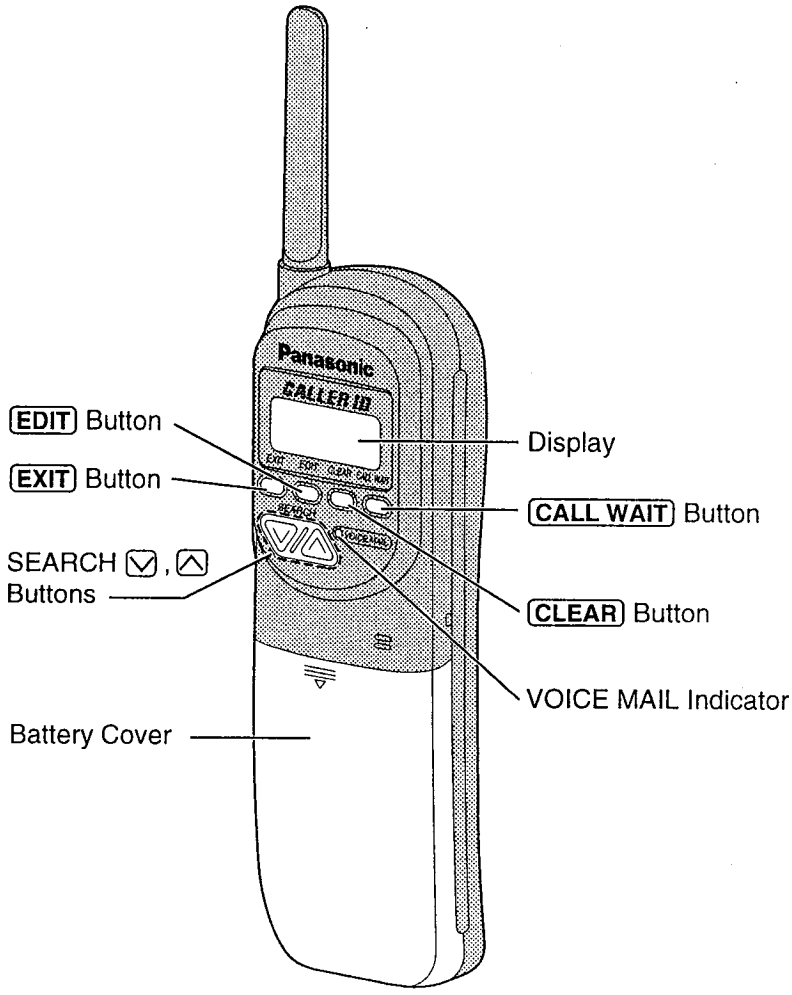
Please read IMPORTANT SAFETY INSTRUCTIONS on page 12 before use.
Read and understand all instructions.

Location of controls

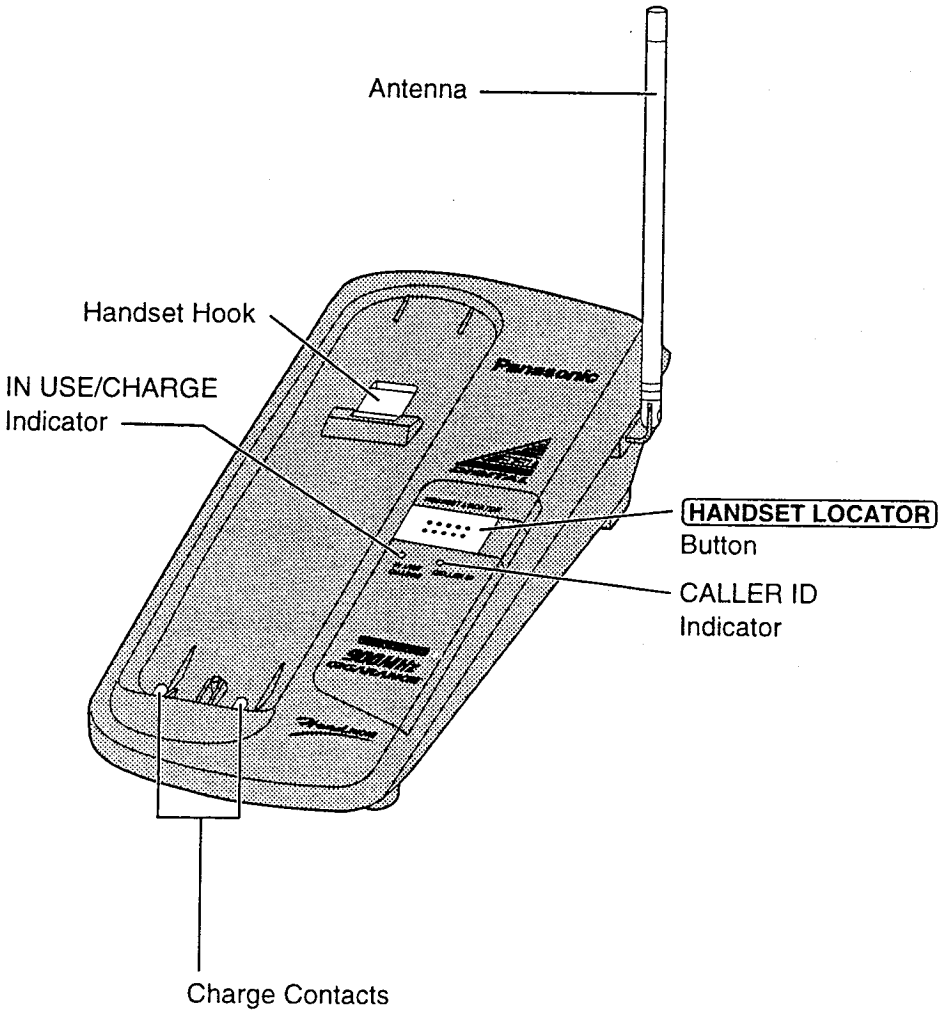
■ **Handset (Front)**



■ Handset (Back)

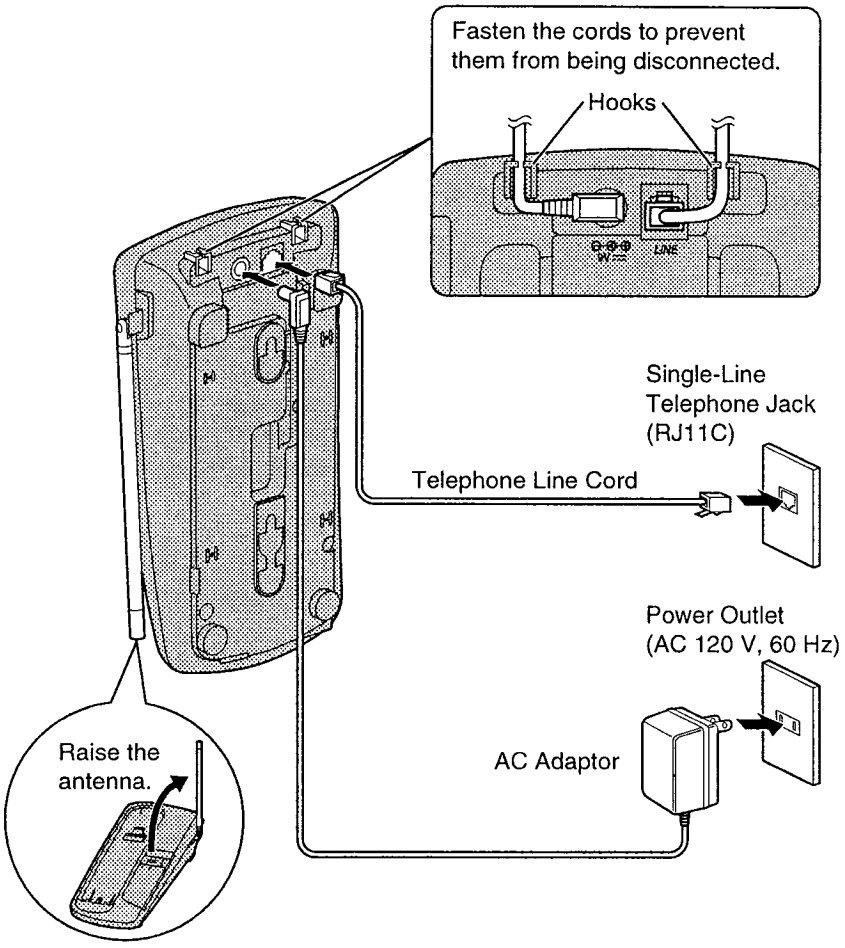


■ Base unit


Antenna
Handset Hook
IN USE/CHARGE
Indicator
HANDSET LOCATOR
Button
CALLER ID
Indicator
Charge Contacts

Connection

- USE ONLY WITH Panasonic AC ADAPTOR KX-TCA1. The AC adaptor must remain connected at all times. (It is normal for the adaptor to feel warm during use.)



Battery charge

To power the handset, install the battery in the handset and charge it before initial use.

Place the handset on the base unit for about 4 hours.

- The IN USE/CHARGE indicator lights.

■ Recharge

Recharge the battery when:
–"Recharge" is displayed,
–"[▮]" flashes on the display, or
– the handset beeps intermittently while it is in use.

- **Clean the handset and the base unit charge contacts with a soft, dry cloth once a month. Clean more often if the unit is subject to grease, dust or high humidity.** Otherwise the battery may not charge properly.
- If the battery is fully charged, you do not have to place the handset on the base unit until "Recharge" is displayed and/or "[▮]" flashes. This will maximize the battery life.
- The battery cannot be overcharged.

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.

Selecting the dialing mode

You can program the dialing mode using the handset near the base unit. If you have touch tone service, set to "Tone". If rotary or pulse service is used, set to "Pulse". Your phone comes from the factory set to "Tone".
The TALK indicator light must be off before programming.

1 Press **PROGRAM**.
- The TALK indicator flashes.

2 Press **SEARCH** ∨ (Next key) repeatedly until "Set dial mode ?" is displayed.

3 Press **SEARCH** ∧ (Yes key).

4 To select "Pulse", press **SEARCH** ∧.
OR
To select "Tone", press **SEARCH** ∨.

Making/Answering calls

■ To make a call

1 Press **TALK**.
  • The TALK indicator lights.

2 Dial a telephone number.

3 To hang up, press **TALK** or place the handset on the base unit.
  • The indicator light goes out.

- If "Out of range" is displayed and an alarm tone sounds in step 1, move closer to the base unit or place the handset on the base unit, and try again.
- **To redial the last number dialed:** Press **TALK**, then press **REDIAL/PAUSE**.

■ To answer a call

If the handset is off the base unit, press **TALK**.
If on the base unit, just lift up.

- Plugging an optional headset into the unit provides a hands-free conversation. Use only a Panasonic KX-TCA80 or KX-TAC90 headset.

One-touch dialer

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

■ To store a phone number in the DIRECT button

1 Press **PROGRAM**.
- The TALK indicator flashes.

2 Press **SEARCH** ∨ (Next key) once.

3 Press **SEARCH** ∧ (Yes key).

4 Enter a phone number up to 22 digits.

5 Press **DIRECT**.

■ To dial the stored number in the DIRECT button

1 Press **TALK**.

2 Press **DIRECT**.
- The stored number is dialed.

Speed dialer

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.

■ To store phone numbers in memory

1 Press **PROGRAM**.
- The TALK indicator flashes.

2 Press **SEARCH** ∧ (Yes key).
3 Enter a phone number up to 22 digits.
4 Press **AUTO**.
5 Press a memory station number (0 to 9).

- To store other numbers, repeat steps 1 through 5.

■ To dial a stored number

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

Caller ID service

This unit is compatible with a Caller ID service offered by your telephone company. If you subscribe to a Caller ID service, The calling party's information will be displayed after the first ring.

The unit can record information of up to 40 different callers, including the time and date received and the number of times called, in the Caller List. The Caller List information is sorted from the most recent to the oldest call. When the 41st call is received, the first call is deleted.

If your unit is connected to a PBX which does not support Caller ID services, you cannot access those services.

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 servicenter when service is required. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock when the unit is subsequently used.
12. Unplug this unit from the wall outlet and refer servicing to an authorized servicenter when the following conditions occur:
    A. When the power supply cord or plug is damaged or frayed.
    B. If liquid has been spilled into the unit.
    C. If the unit has been exposed to rain or water.
    D. If the unit does not work normally by following the operating instructions. Adjust only controls covered by the operating instructions. Improper adjustment may require extensive work by an authorized servicenter.
    E. If the unit has been dropped or physically damaged.
    F. If the unit exhibits a distinct change in performance.
13. During thunderstorms, avoid using telephones except cordless types. There may be a remote risk of an electric shock from lightning.
14. Do not use this unit to report a gas leak, when in the vicinity of the leak.

SAVE THESE INSTRUCTIONS

CAUTION:

To reduce the risk of fire or injury to persons, read and follow these instructions.

1. Use only the battery(ies) specified.
2. Do not dispose of the battery(ies) in a fire. They may explode. Check with local waste management codes for special disposal instructions.
3. Do not open or mutilate the battery(ies). Released electrolyte is corrosive and may cause burns or injury to the eyes or skin. The electrolyte may be toxic if swallowed.
4. Exercise care in handling batteries in order not to short the battery to conductive materials such as rings, bracelets, and keys. The battery and/or conductor may overheat and cause burns.
5. Charge the battery(ies) provided with or identified for use with this product only in accordance with the instructions and limitations specified in this manual.

WARNING:

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS PRODUCT TO RAIN OR ANY TYPE OF MOISTURE.

KH499-4031

FCC ID: ACJ96NKX-TC1890

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

- 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 product service

- Panasonic Servicenters are listed in the servicenter directory.
- Call 1-800-211-PANA(7262) for the location of an authorized servicenter.

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.

For your future reference

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

Name and address of dealer _____

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

Printed in Japan