# SANYO

**INSTRUCTION MANUAL**   **CLT-186X**

**CORDLESS TELEPHONE**



**Please read these instructions completely before use.**
**If you have a problem with your cordless telephone, please see "TROUBLESHOOTING" on page 15 and "COMMON PROBLEM - QUICK CHECK GUIDE" on page 16 before calling for service.**

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**CAUTION**
THIS PRODUCT IS INTENDED FOR USE IN NEW ZEALAND ONLY.
SALE OR USE IN OTHER COUNTRIES MAY VIOLATE LOCAL LAWS.

**IMPORTANT!**

> **HANDSET BATTERY PACK**
> **Charge the handset battery pack for a full 12 hours before using your cordless phone for the first time. (See pages 4 - 5.)**

**RINGER SWITCH**
If the RINGER switch is set to the off position, no ring is heard when an incoming call is received. (See pages 7.)

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## GENERAL WARNING

The grant of a Telepermit for any item of terminal equipment indicates that only Telecom has accepted that the item complies with minimum conditions for connection to its network. It indicates no endorsement of the product by Telecom, nor does it provide any sort of warranty. Above all, it provides no assurance that any item will work correctly in all respects, with another item of Telepermitted equipment of a different make or model, nor does it imply that any product is compatible with all of Telecom's network services.

## IMPORTANT NOTICES

1. This equipment may not provide for the effective hand-over of a call to another device connected to the same line.

2. Under power failure conditions, this telephone may not operate. Please ensure that a separate telephone, not dependant on local power, is available for emergency use.

3. This telephone does not include any date function and therefore Year 2000 compliance is not applicable.

4. Pulse dialling may not be used on this telephone.

5. The "flash time" setting of this telephone must be 600ms.

# SANYO

**SANYO Electric Co., Ltd.**
Printed in Malaysia

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## CONGRATULATIONS

Your Sanyo **SUPER-COMPANDER** cordless telephone is a fine-quality home communications product. It is carefully designed and produced by a world leader of consumer and industrial electronics equipment. With proper maintenance and care, it will provide you with years of enjoyment and convenience.

The CLT-186X has many unique advanced features including:

**Hands-Free on Handset**
    Hands-Free speakerphone is now included on the cordless handset. You can have a telephone conversation without holding the handset.

**SUPER-COMPANDER Noise Reduction**
    This Sanyo's original noise reduction technology now filters out more background noise.

**Power Back Up System**
    This unique feature allows you to place or receive a call on the cordless telephone during a power interruption of up to 48 hours. Four AA alkaline batteries are required (not supplied with the telephone).

**10-channel auto scan**
    Your new telephone uses one of 10 channels that are now available for cordless telephones. It automatically selects a clear channel every time you receive or place a call on the handset. Should you wish to switch channels during a call, the handset provides a **CHANNEL** button.

**Extended operating range**

**Illuminated handset keypad**

**40-day standby**

**Notice:**
This cordless telephone uses radio communication between the handset and the base station and may not ensure privacy of communication. Other devices, including other cordless telephones, may interfere with the operation of this cordless telephone or cause noise during operation. Cordless telephones must not cause interference to any licensed radio service.
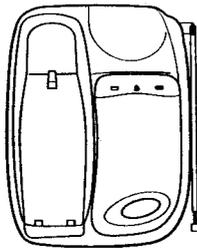
## UNPACKING

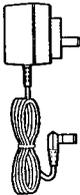Check to make sure you have all the items that come with the system.

**Handset**                    **Base Station**
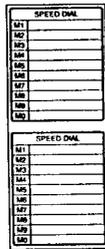
**AC Adaptor**      **Telephone Cord**      **Speed Dial Directory Sheet**

Model No. AD-B135
INPUT: AC 230V~240V, 50Hz
OUTPUT: DC 9V, 250mA
Polarity: Center Negative

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**Wall-Mount Bracket**

**Battery Pack
SANYO 3N-270AA
or GP30AAK3BML**

## TIPS FOR BEST PERFORMANCE

### BASE STATION LOCATION

For maximum operating range, extend the base station antenna to full length. In most cases, the best location for the base station is at the highest point in the house. Avoid places near electrical appliances and metal structures such as a refrigerator and filing cabinets that can reduce operating range and performance.

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

In a HIGH and CENTRAL location with no obstructions.

Extend the antenna to full length.

**Do not place the base station on top of or near a TV or VCR as this may interfere with the performance of these appliances.**
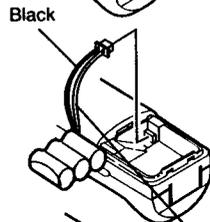
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## INITIAL SETUP

### INSTALLING THE HANDSET BATTERY AND INITIAL CHARGING

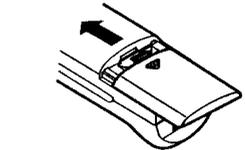1. Remove the battery compartment lid.

2. Plug the battery cord into the connector inside the compartment.

Black

3. Place the battery in the compartment.

Red

4. Replace the lid.

**IMPORTANT:** Charge the handset for a full 12 hours before using the cordless phone for the first time. Never attempt to use the cordless phone before this initial battery charge. See next page.

**Replacement battery number:
SANYO 3N-270AA or GP30AAK3BML**
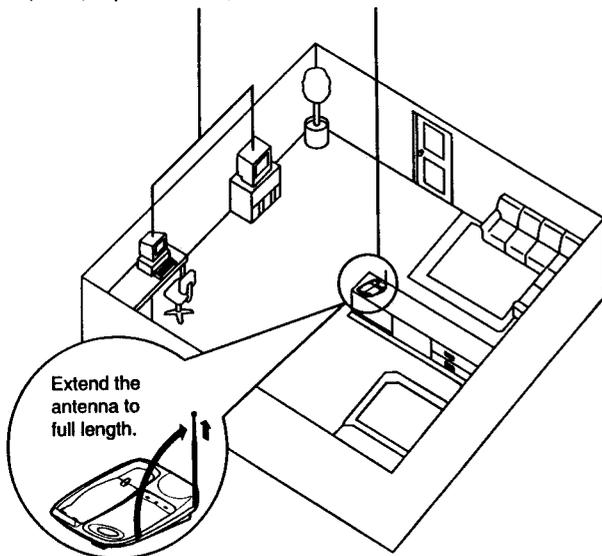Use of other brands or types of batteries may cause serious damage or equipment malfunctions.

### AC CONNECTION

1. Insert the small plug of the AC adaptor cord into the **DC 9V AC ADAPTOR** jack on the back of the base station.
2. Secure the Ac adaptor cord under the hook located below the jack, as shown.
3. Plug the AC adaptor into an AC wall outlet.
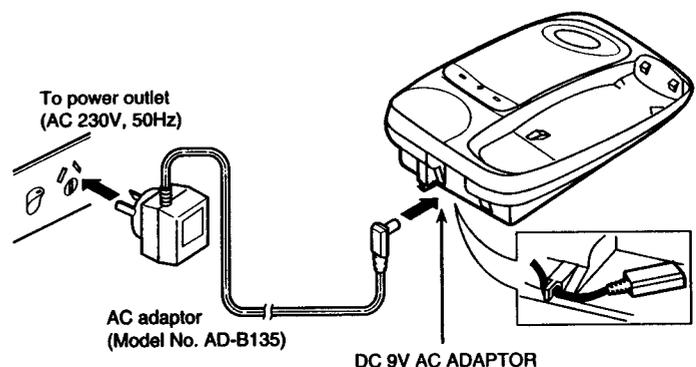
To power outlet
(AC 230V, 50Hz)

AC adaptor
(Model No. AD-B135)

DC 9V AC ADAPTOR

**NOTE:
USE ONLY SANYO AC ADAPTOR MODEL NO. AD-B135
(APPROVAL NO. 14676)**

## CHARGING THE HANDSET

1. Place the handset on the base station for 12 hours. The **CHARGE** indicator lights.

CHARGE indicator

2. Remove the handset from the base station.

From then on, recharge the handset for continuous 12 hours when the **BATT.LOW** indicator lights.

BATT.LOW — ▭

Keep the charging contacts on the handset and base station clean. Dirty contacts may prevent the handset battery from charging.

**NOTE:** No battery charging takes place while the unit is being powered by the power back up system.
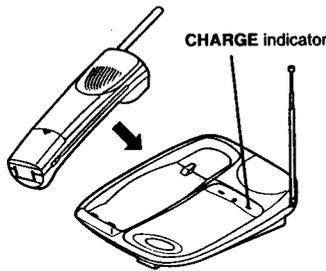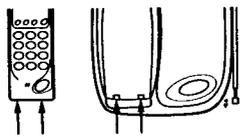
### Standby time
When the handset battery is fully charged, your Sanyo cordless phone offers **up to 40 days of continuous standby time or up to 13 hours of continuous talk time.** (Listed standby time is measured under a situation in which handset is kept in standby mode only–no phone calls are made or received). Under normal usage conditions, recharging is required more often. Also note that the listed continuous talk time shortens if the handset speakerphone is continuously used.

**CAUTION:** Repeated recharging for shorter periods may reduce battery capacity.

### PHONE LINE CONNECTION

**Note:**
Please make sure that the handset battery is fully charged before connecting the phone line cable.

↑ Normally, fully extend the antenna

To telephone line

Telephone cord            TEL LINE
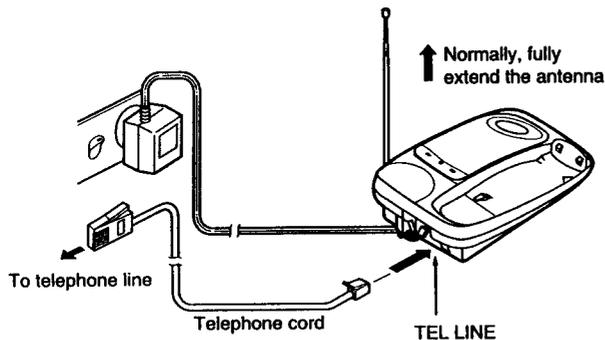
### WARNINGS
- This cordless telephone may, on some longer lines, have difficulty handing over to another device connected to the same line.
- Immediately disconnect the equipment should it become physically damaged, and arrange for its disposal or repair.
- The operation of this equipment on the same line as telephones or other equipment with audible warning devices or automatic ring detectors will give rise to bell tinkle or noise and may cause false tripping of the ring detector. Should such problems occur, the user is not to contact Telecom Faults Service.

### CAUTION
This telephone is for use with a "tone dialing system" only. If you have pulse dialing lines, you can't use this cordless telephone.

## SECURITY CODE

This cordless telephone has a digital security system with 10,000,000 possible codes. This system helps prevent the unauthorized use of your telephone line by another cordless telephone.

### How to reset your security code
1. Place the handset in the base station cradle.

IN USE indicator
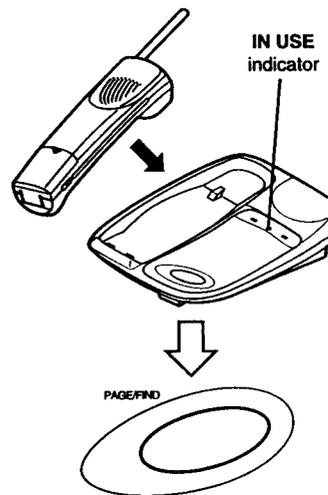
PAGE/FIND

2. Within 8 seconds, press PAGE/FIND on the base station.
   The **IN USE** indicator flashes, and then goes out. The security code is now set.
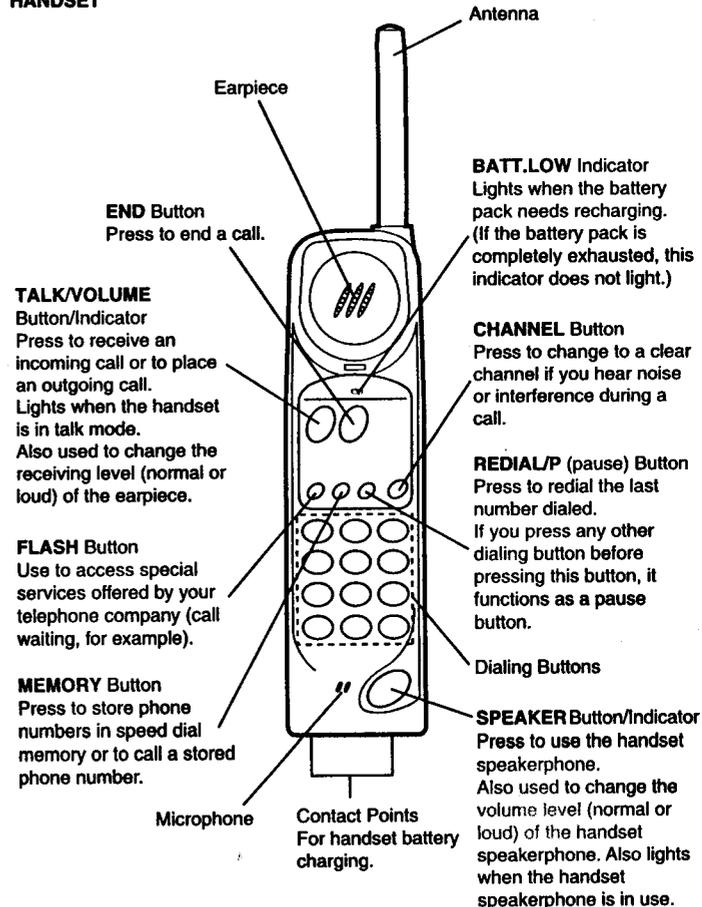
**NOTES:**
- To change your security code at any time, simply repeat the above steps. A new security code is automatically set each time.
- If you experience difficulty in resetting security code, first disconnect the AC adaptor from the unit, reconnect it, and then try again.
- The security code cannot be reset while the unit is being powered by the power back up system.
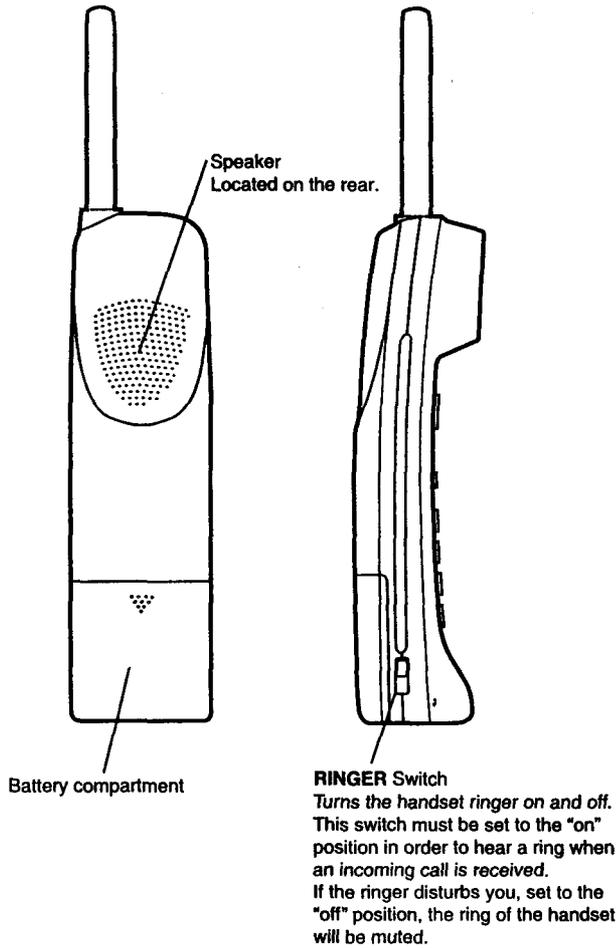
**REMEMBER:**
If you do not install backup batteries in the base station, the security code will be lost when the power is interrupted (if the AC adaptor is disconnected to move the unit to another room, for example).

## NAMES OF CONTROLS

### HANDSET

Antenna

Earpiece

**END Button**
Press to end a call.

**TALK/VOLUME**
Button/Indicator
Press to receive an incoming call or to place an outgoing call.
Lights when the handset is in talk mode.
Also used to change the receiving level (normal or loud) of the earpiece.

**FLASH Button**
Use to access special services offered by your telephone company (call waiting, for example).

**MEMORY Button**
Press to store phone numbers in speed dial memory or to call a stored phone number.

Microphone

Contact Points
For handset battery charging.

**BATT.LOW Indicator**
Lights when the battery pack needs recharging.
(If the battery pack is completely exhausted, this indicator does not light.)

**CHANNEL Button**
Press to change to a clear channel if you hear noise or interference during a call.

**REDIAL/P (pause) Button**
Press to redial the last number dialed.
If you press any other dialing button before pressing this button, it functions as a pause button.

Dialing Buttons

**SPEAKER Button/Indicator**
Press to use the handset speakerphone.
Also used to change the volume level (normal or loud) of the handset speakerphone. Also lights when the handset speakerphone is in use.

## HANDSET

Speaker
Located on the rear.

Battery compartment

**RINGER** Switch
*Turns the handset ringer on and off.
This switch must be set to the "on"
position in order to hear a ring when
an incoming call is received.
If the ringer disturbs you, set to the
"off" position, the ring of the handset
will be muted.*

## BASE STATION

**POWER FAILURE
BATTERY LOW** Indicator
Lights when backup
batteries are exhausted or
not installed with the AC
adaptor connected.

**IN USE** Indicator
Lights when the
telephone is in use.

**CHARGE** Indicator
Lights when the
handset battery is
being recharged.

Backup battery
compartment
Located on the
underside.

Antenna
For optimum
performance,
extend to full
length.

Contact Points
For handset battery
charging.

**PAGE/FIND** Button
Press to page the
handset user.
Also used to reset the
security code.

## BASE STATION

AC Adaptor Jack
(DC 9V AC ADAPTOR)

Modular Telephone Jack
(TEL LINE)
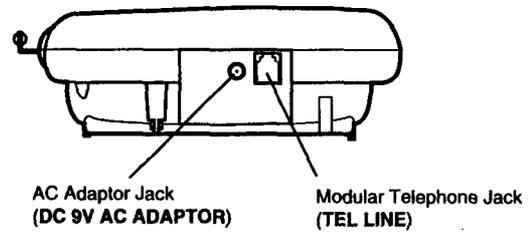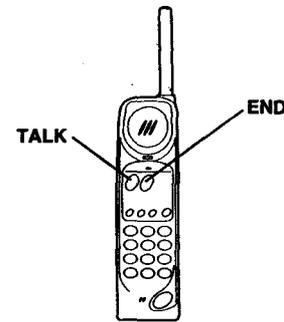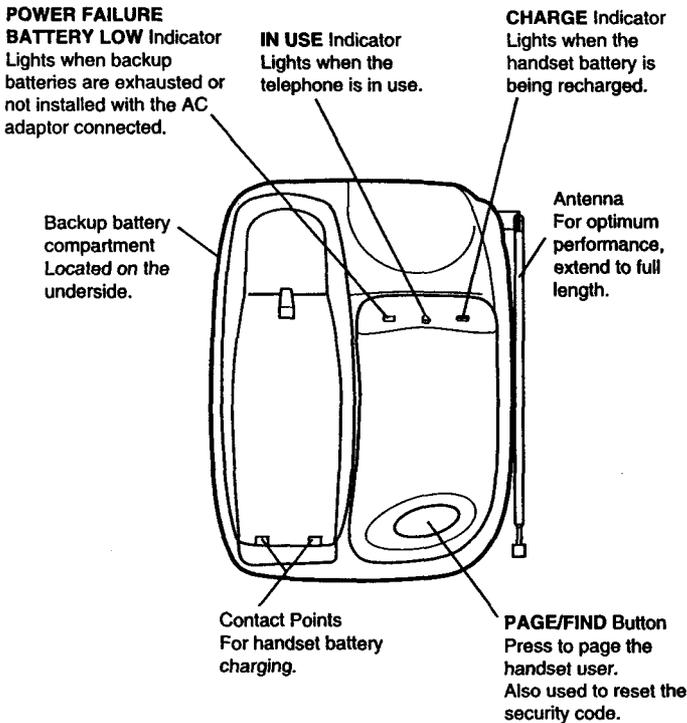
## BASIC OPERATION

**BEFORE USING THE PHONE**

1. Take the handset to the location you want to use it.

2. Press TALK . Verify that you get a dial tone and the **TALK** indicator lights. Your handset is ready to use.

3. Place a call or press END to hang up.

END

TALK

**10-CHANNEL ACCESS/AUTO SCAN**
Every time you answer or place a call using the handset, this cordless telephone automatically selects a clear channel from 10 channels available to transmit signals between the base station and handset. If you notice interference during a call, simply press CHANNEL on the handset to access a clear channel.
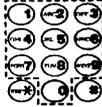
CHANNEL

**PLACING A CALL**

1. Press TALK.
   (Or lift the handset from the base station and then press TALK.)
   The **TALK** indicator lights and the dialing buttons light for approximately 10 seconds.
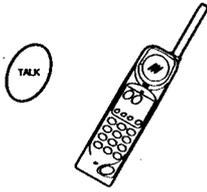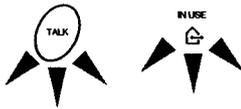
2. Dial the number.

3. Press END to hang up.

**To adjust the volume**
Press TALK/VOLUME once during a call. The volume level changes – normal or loud – each time TALK/VOLUME is pressed.

**ANSWERING A CALL**

When a call comes in, the dialing buttons and the **TALK** and **IN USE** indicators flash.

1. Press TALK.
   (Or lift the handset from the base station.)

**ANY KEY ANSWER**
You can also press any key on the handset except the END key to answer the call.

2. Press END to hang up.

**NOTES:**
■ If the handset **RINGER** switch is set to the **off** position, the handset will not ring.
■ If the handset is too far away from the base station, pressing END may not hang up a call. If this happens, come closer to the base station and then press END.
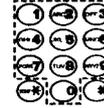
**USING THE HANDSET SPEAKERPHONE**

The handset speakerphone lets you have a Hands-Free phone – no need to hold the handset.

**To place a call using the speakerphone:**

1. Press SPEAKER and listen for a dial tone.
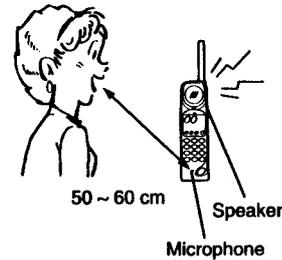   The dialing buttons and the **TALK** and **SPEAKER** indicators light.

2. Dial the number.

Talk into the microphone.
The caller's voice is heard from the speaker on the back of the handset.

50 ~ 60 cm    Speaker

Microphone

3. Press END to end the call.

**To answer a call using the speakerphone:**

1. Press SPEAKER.

2. Press END to end the call.

**To adjust the speaker volume:**
Press SPEAKER once during a call. The speakerphone sound level changes – normal or loud – each time the button is pressed.

**CAUTION**
When using the Hands-Free handset speakerphone, keep the speaker (located on the back of the handset) away from your ear to prevent any damage to your ear.
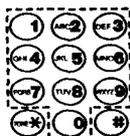
**SPEED DIAL**

The handset can store up to 10 phone numbers in its memory. You can dial a stored number simply by pressing [MEMORY] and the assigned 1-digit memory location number.

**To store numbers in memory**

1. Press [MEMORY].
   The **TALK** indicator flashes.
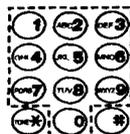   The dialing buttons light for approximately 10 seconds.

2. Dial the phone number you want to store.
   If you make an error while storing a number, press [END] to cancel the operation. To resume, begin with step 1.
   — Up to 16 digits can be stored. (A pause counts as one digit.)

3. Press [MEMORY].

4. Press a number button (0 ~ 9) to assign a memory location number to the phone number.

   A beep sounds. The dialing button light goes off. The phone number is now stored in the handset memory.

5. Write the stored phone number on the speed dial directory sheet (included).

6. Repeat steps 1 - 5 to store other numbers or to change previously stored numbers.
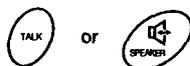
**To insert a pause:**
Stored phone numbers can include a 2-second pauses between two digits (after 1 to get an outside line in a PBX system, for example). Press [REDIAL/P] after the first digit.

NOTE:
To clear a stored phone number, press [MEMORY] twice, and then the assigned index number.
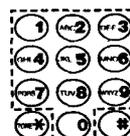
**To dial a number stored in the memory**

1. Press [TALK] or [SPEAKER].

2. Press [MEMORY].

3. Enter the location number (0 ~ 9).

The speed dial memory may be erased if the handset battery is replaced or exhausted.

**REDIAL**

You can automatically redial the last number called using [REDIAL/P] on the handset. A number of up to 32 digits can be redialed.

NOTE:
To redial after hearing a busy signal, press [END], then [TALK] or [SPEAKER], then [REDIAL/P].

**FLASH BUTTON**

You can use [FLASH] to answer the second party when you subscribe **CALL WAITING** service offered by your phone company and PBX system.

**If you subscribe to CALL WAITING...**

1. If a call comes in when you are already on the phone, a beep sounds.

2. Press [FLASH].
   The first call is placed on hold, and you can talk to the second caller.

3. Press [FLASH] again.
   The second caller is placed on hold, and you can talk to the first caller.

NOTE: [FLASH] may also be used to get a new dial tone without pressing [END] or replacing the handset in the base station cradle. However, if your telephone line has special service features (like CALL WAITING), [FLASH] may not operate in this way.

**HANDSET LOCATOR**

If you misplace the handset, press [PAGE/FIND] on the base station to make the handset beep.
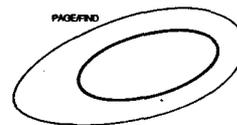
NOTE:
If the handset **RINGER** switch is set to the **off** position, no beep will be produced.

## POWER BACK UP SYSTEM

This cordless telephone has a power back up system to allow operation during a power interruption up to 48 hours of standby time or up to 13 hours of continuous handset talk time (handset with fully charged Ni-Cd battery).

For optimum performance during a power failure, the backup batteries must be fresh and the handset battery must be fully charged at the beginning of the power outage. The power back up system requires 4 AA alkaline batteries (not supplied).

> **CAUTION:** A power failure may occur at any ... without you being a ... you are sleeping, away from ... receives power from the backup ... If a power failure occurs for a ... life of the backup batte ...

### To install backup batteries:

1. Make certain that the AC adaptor is connected to the base station.

2. Open the backup battery compartment lid by pushing the notches.
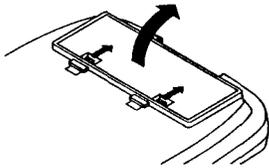


3. Install 4 AA batteries (not supplied) as indicated in the battery compartment.
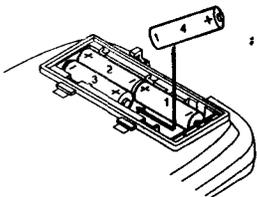


4. Close the lid.

NOTES:
- If backup batteries are not installed, the telephone stops functioning immediately when the power is interrupted (for example, if the AC adaptor is unplugged to move the base station).
- The **POWER FAILURE BATTERY LOW** indicator lights when the backup batteries are exhausted or not installed with the AC adaptor connected.
- The power back up system is inactive when AC power is supplied to the base station.

### When installing the batteries:

To prevent corrosive leakage from batteries, which can cause personal injury and damage to the unit, observe the following precautions:
- Match the polarities (+ and – signs) on batteries to the polarities shown inside the battery case.
- Do not mix new batteries with old or used batteries.
- Only use batteries of the same type and brand.
- If the unit is not to be used for an extended period of time, remove the batteries and store them in a cool place.
- Carefully follow the battery manufacturer's instructions for proper use and disposal.
- DO NOT ALLOW YOUNG CHILDREN TO HANDLE BATTERIES.

NOTE:
SPENT OR DISCHARGED BATTERIES MUST BE RECYCLED OR DISPOSED OF PROPERLY IN COMPLIANCE WITH ALL APPLICABLE LAWS.

## WALL MOUNTING

### To mount the base station on a wall

1. Insert the hooks of the wall-mount bracket in the holes ① on the underside of the base station.
   Then push them in the direction of arrow ② as shown.
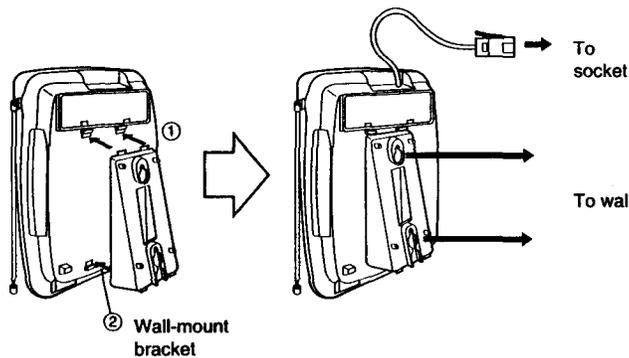


2. Connect a short modular telephone cord (not supplied) to the wall plate.
3. Mount the base station on the wall phone plate and seat it securely.

## RECHARGEABLE HANDSET BATTERY

Recharge handset in the base station cradle for a continuous 12 hours when the **BATT.LOW** indicator lights. (See page 5).

Repeated recharging for shorter periods may reduce battery capacity.

### Battery Refresh
If your battery seems to need recharging more often than usual, it may have lost part of its charging capacity because of premature recharging. To return the battery to its full capacity, try the battery refresh procedure.

- Discharge the battery by leaving the handset in talk mode until the **BATT.LOW** indicator lights. (First, disconnect base station from phone line.)
- Charge the handset for 12 hours.
- Repeat this procedure once more.

If performance still doesn't improve, it's time to replace the battery.

**REMEMBER:** Reset security code after a battery refresh (page 6).

> **REMEMBER:**
> Your handset battery needs recharging when the **BATT.LOW** indicator lights.

### Cleaning the contact points
To ensure that the handset battery charges properly, clean the contact points on the handset and the base station once a month with a soft cloth.



Contact points        Contact points
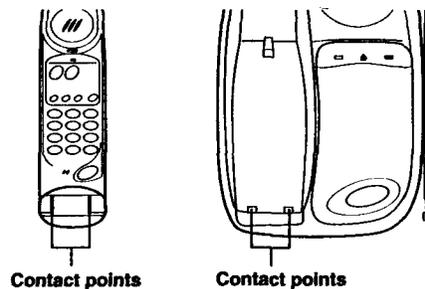
Although it is unlikely that the base station will malfunction, if it does, disconnect it from the telephone line until proper repairs are completed.

The cordless telephone uses radio frequencies for transmission and reception, and is subject to certain operating conditions. The following conditions are normal and could affect the operation of your system.

## 1. NOISE
Electrical pulse noise is present in most homes at one time or another. This is most intense during electrical storms. Certain kinds of electrical equipment such as light dimmers, fluorescent bulbs, motors, fans, etc., also generate these noise pulses. Because radio frequency transmissions are susceptible to these pulses, on occasion you may hear them in your handset. Generally they are a minor annoyance and should not be interpreted as a defect in your system.

## 2. RANGE
Because radio frequencies are used, the location of the base station can affect the operation range. Try several locations in your home or business and pick the one that gives you the clearest signal to the handset. Turning around while holding the handset may help you find the best position.

## 3. INTERFERENCE
Electronic circuits activate a relay to connect the cordless telephone to your telephone line. These electronic circuits operate in the radio frequency spectrum. While several protection circuits are used to prevent unwanted signals, there may be periods when these unwanted signals enter the base station. You may hear clicks or hear the relay activate while you are not using the cordless handset. If this starts occurring frequently, it can be minimized or eliminated by lowering the height of your base station antenna, or relocating the base station. Check for interference before selecting your final base station location by plugging it in and monitoring it for clicks.

Two cordless systems should not be operated too close to each other because of interference. This interference can be reduced by lowering your base station antenna, thereby reducing its range.

Most cordless phone problems can be corrected quickly and easily — without service. If you experience difficulties, try the suggestions below before taking your phone in for service.

### If the phone doesn't work at all
■ Security code may have been cancelled. To reset, see page 6.
■ AC adaptor may not be plugged into wall outlet or base station.
■ Telephone line may not be connected.
■ Handset battery may be extremely low. If **BATT.LOW** indicator lights in talk mode, recharge battery. (See page 14).
■ Handset may be too far from base station. Move closer.

### The operating range seems shorter
■ Check the base station location for interfering objects. (See page 3.)
■ Extend the base station antenna to full length.

### Handset battery life or standby time seems shorter
■ Battery may not be fully charged due to dirty contact points. Wipe with a soft cloth.
■ Handset battery may have been repeatedly recharged before being fully exhausted. Try Battery Refresh (See page 14).
■ Battery may need replacing (See page 4.)

### Incoming calls do not ring on handset
■ Handset may be too far from base station. Move closer.
■ Handset **RINGER** switch may be set to **off**.
■ More than one cordless phone is connected to the same line and they may be using a same channel. Change the channel of a phone by pressing |CHANNEL|.

### Reception is noisy (interference, hum or static)
■ Switch to a clearer channel. (See page 8.)
■ Base station may be too close to electrical equipment. Try another location.
■ Handset may be too close to large metal object(s). Move to another location, or change direction while using handset.
■ Lower base-station antenna to reduce interference range.

### If phone still does not work
■ Reset base station and handset as follows:
   1. Disconnect AC adaptor and backup batteries. Reconnect AC adaptor and reinstall the backup batteries.
   2. Disconnect then reconnect the handset battery.
   3. Reset security code. (See page 6.)

"If you have a problem with your cordless telephone, try the following suggestions before calling for service"

| NO. | SYMPTOM | CHECK | IF | SOLUTION |
|---|---|---|---|---|
| 1. | NOISE | A. Is the antenna of the base station fully extended? | NO | Fully extend the antenna. |
| | | B. Is there any electronic equipment nearby? (For eg: personal computer, FAX, etc) | YES | Move the base station and handset further away from them. |
| | | C. Is there any object which obstructs radio frequencies between the base station and handset? (For eg: concrete, tile walls or metal object, etc) | YES | Try to move the base station to another location. |
| | | D. Is another cordless phone nearby? | YES | Try to change the channel used by pressing |CHANNEL| on the handset. |
| | | E. Fluorescent lamps or other electronic equipment may generate noise pulses. | YES | Move the base station and handset further away from them. |
| | | F. Is the **BATT. LOW** indicator lit? | YES | The handset battery is low. Recharge it. |
| 2. | CUT OFF | A. Is the **BATT. LOW** indicator lit? | YES | Recharge the handset battery. |
| | | B. Is the telephone line cutting off during phone conversation? | YES | Make certain that the AC adaptor is firmly connected to both the base station and an AC wall outlet. Also make certain that the handset battery is firmly connected to the socket in the compartment. |
| | | C. Is the phone interrupted during phone conversation? | YES | Check the above ITEM (B-E) of NOISE SYMPTOM, No. 1. |
| 3. | NO CHARGE | A. Is the **CHARGE** indicator lit with the handset placed on the base station cradle? | NO | Clean the battery charging terminals on the handset and base station with a soft cloth. |
| | | B. Does the **BATT. LOW** indicator not go off, even if the handset battery is recharged? | YES | Same as above. If the performance still does not improve, replace the handset battery. |
| 4. | LOSS OF SECURITY CODE | A. Does a continuous beep sound in the handpiece? | YES | 1. Place the handset in the cradle of the base station.<br>2. Press |PAGE/FIND| on the base station (within 8 seconds). A beep sounds within 30 seconds. The security code is now set. |