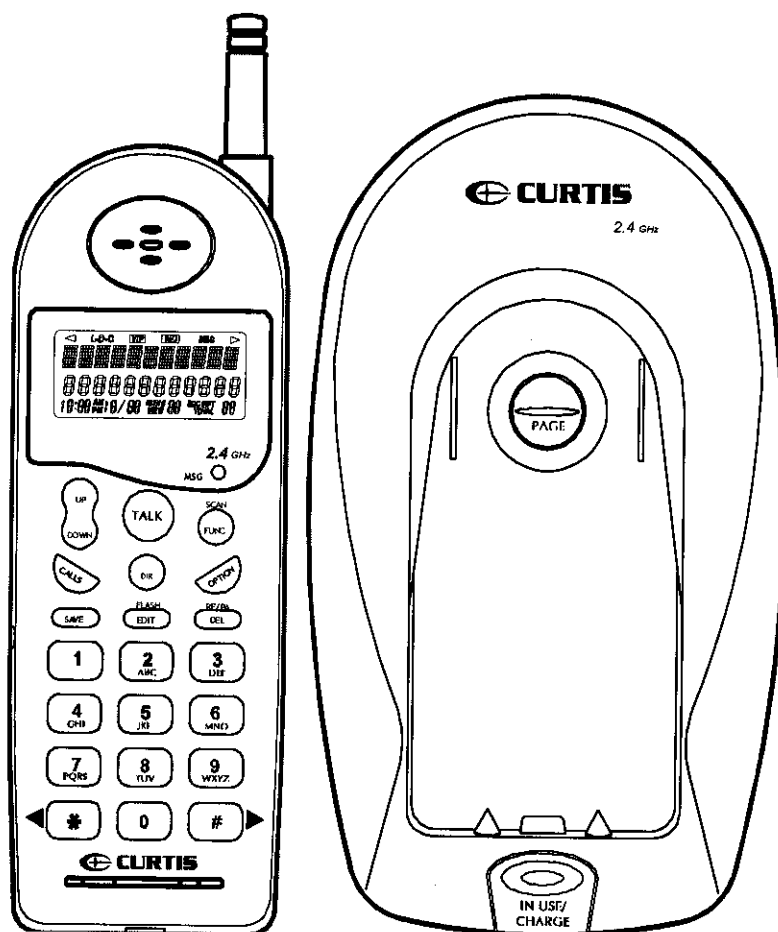


CURTIS

OWNER'S MANUAL



2.4 GHz Cordless Telephone

PLEASE READ BEFORE OPERATING THIS EQUIPMENT

Model: TC970

Contents

Safety Instructions.....	3
HANDSET Controls-Location and Function.....	5
BASE UNIT Controls-Location and Function.....	7
Getting Started.....	9
Desk Mounting.....	12
Wall Mounting.....	13
Cordless Telephone Operation.....	14
Preparing for Use.....	14
Receiving Calls.....	14
Placing Calls.....	15
Using the Headset Feature.....	15
Redial Feature.....	16
Caller ID System Operation.....	17
Caller ID System.....	17
Viewing Caller Information During Incoming Calls.....	17
Message Waiting.....	17
Call Waiting.....	18
Caller List.....	18
Viewing the Caller List.....	18
Placing a Call from the Caller List.....	19
Editing the Caller List before Dialing.....	19
Saving the Name and Number in the Caller List into the Directory.....	19
Deleting All Records in the Caller List.....	20
Selective Deleting in the Caller List.....	20
Name and Telephone Number Directory.....	20
Viewing the Directory.....	20
Speed Viewing the Directory.....	20

Contents

Saving in the Directory.....	21
Preferred Calls.....	21
Blocked Calls.....	21
Editing Name and Number in the Directory.....	22
Editing the Number in the Directory Before Dialing.....	23
Placing Calls from the Directory.....	24
Deleting All Records in the Directory.....	24
Selective Deleting in the Directory.....	24
Function Operation.....	25
A. Language.....	26
B. Silent On/Off.....	26
C. Time Set.....	26
D. AREA CODE.....	27
E. LCD Contrast.....	27
F. PBX Number.....	27
G. PBX Mode.....	28
H. Pause Time.....	28
I. MSG Waiting (Message Waiting).....	28
Telephone Keypad Characters.....	39
Security.....	30
Problem Solving.....	31
Technical Information.....	32
FCC Requirements.....	33

Safety Instructions

SAVE THESE INSTRUCTIONS



IMPORTANT SAFETY INSTRUCTIONS

When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:

1. Read and understand all instructions.
2. Follow all warnings and instructions marked on the product.
3. Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not use this product near water, for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement or near a swimming pool.
5. Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious damage to the product.
6. Slots and openings in the cabinet and the back or bottom are provided for ventilation, to protect it from overheating. These openings should never be blocked or covered. The openings should never be blocked by placing the product on the bed, sofa, rug, or other similar surfaces. This product should never be placed near or over a radiator or heat register. This product should not be placed in a built-in installation unless proper ventilation is provided.
7. This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your dealer or local Power Company.
8. Do not allow anything to rest on the power cord. Do not locate this product where people will step on the cord.
9. Do not overload wall outlets and extension cords as this can result in the risk of fire or electric shock.
10. Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a risk of fire or electric shock. Never spill liquid of any kind on the product.
11. To reduce the risk of electric shock, do not disassemble this product, but take it to a qualified service contractor when some service or repair work is required. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock when the appliance is subsequently used.
12. Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - A. When the power supply cord or plug is damaged or frayed.
 - B. If liquid has been spilled into the product.
 - C. If the product has been exposed to rain or water.

Safety Instructions

- D. If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions. Improper adjustments of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.
 - E. If the product has been dropped or the cabinet has been damaged.
 - F. If the product exhibits a distinctive change in performance.
13. Avoid using a telephone during an electrical storm. There may be a remote risk of electric shock from lightning.
 14. Do not use the telephone to report a gas leak in the vicinity of the leak.

Battery Safety

CAUTION:

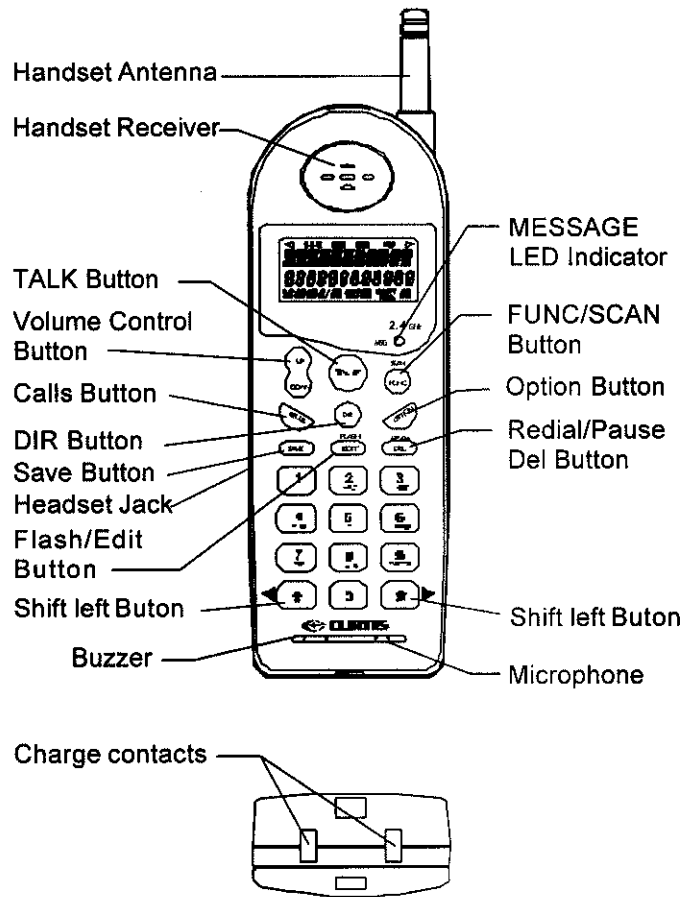
To reduce the risk of fire or personal injury, read and follow these instructions:

1. Use only the following type and size of BATTERY:
3 AAA 1.2V, 550mAh Rechargeable Ni-MH battery
2. Do not dispose of the BATTERY in a fire. It may explode. Check with local codes for possible special disposal instructions.
3. Do not open or mutilate the BATTERY. Released electrolyte from a BATTERY is corrosive and may cause damage to the eyes or skin. Electrolyte may be toxic if swallowed.
4. Exercise care in handling the BATTERY to prevent shorting the BATTERY with conductive materials such as rings, bracelets and keys. The BATTERY or conductor may overheat and cause burns.
5. Charge the BATTERY provided with or identified for use with this telephone only in accordance with the instructions and limitations specified in this manual.

ATTENTION:

The telephone that you have purchased contains a rechargeable BATTERY. The BATTERY is recyclable. At the end of its useful life, under various state and local laws, it may be illegal to dispose of this BATTERY into the municipal waste stream. Check with your local solid waste officials for details in your area for recycling options or proper disposal.

HANDSET Controls



HANDSET Controls HANDSET ANTENNA

Large LCD Screen: Shows call information, phone status, prompts and directory items.

MSG Waiting LED Indicator Red LED blinks when you have new message(s).

FUNC/SCAN Button – While in standby mode, this button allows you to set the handset in Function Programming mode. While in Talk mode, it is used to manually select one of the 40 operating channels when you experience interference on the handset.

HANDSET Controls

TALK Button - Press this button to place a call, answer a call, or end a call.

OPTION Button - During you view the caller list, press to place a long distance call or to place a local call.

Calls Button - Press to see the caller list.

DIR Button - Allows you to retrieve a memory (name and phone number) from the personal directory (up to 40 memories)

SAVE Button - Saves the changes on the listed items.

VOLUME Control Button - Allows you to adjust the handset volume (3 steps)

Headset Jack - A jack located on the side of the handset used for connecting your headset to enjoy a hands-free communication.

FLASH/EDIT Button - (Flash) Momentarily hangs up the phone to access custom calling features such as Call waiting or Three-way calling provided by your local phone company. (EDIT) Press to edit listed items.

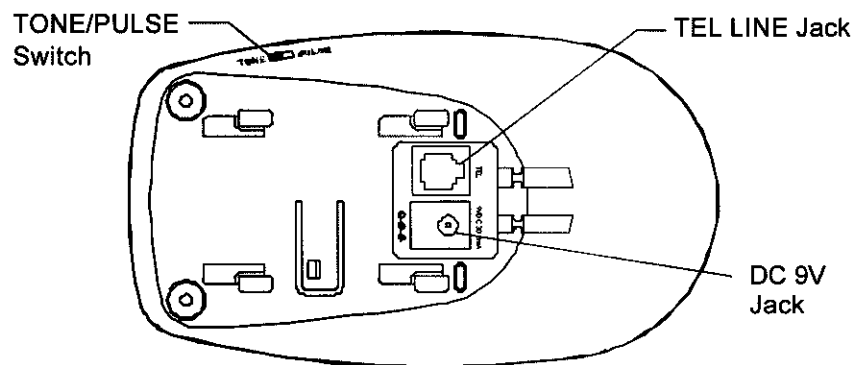
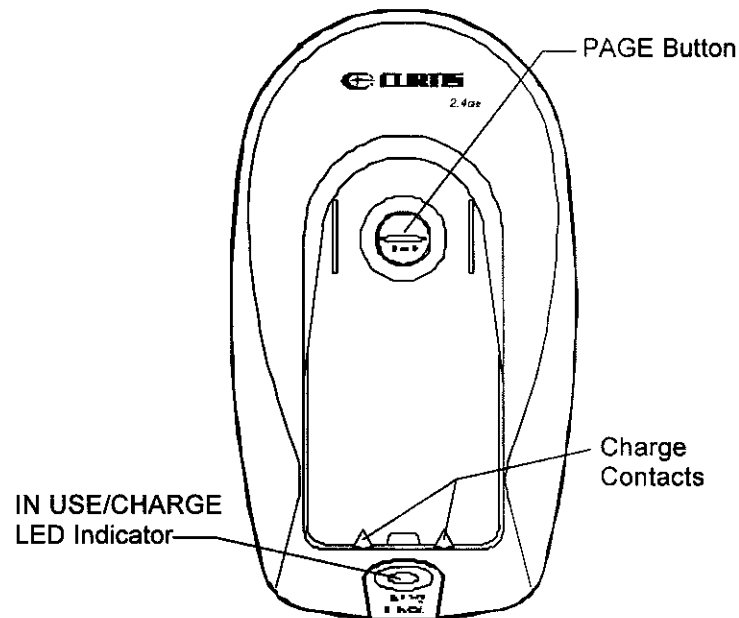
Redial/Pause(RE/PA)/DEL Button - (Redial) Press to redial the last number you dialed. (Pause) Press to insert pause while dialing. (Delete) Press and hold down to delete items.

SHIFT LEFT-RIGHT Button - Press to move around the large LCD Screen.

Charge Contacts - For charging the handset battery pack. We recommend that you clean these contacts periodically with an alcohol-moistened cloth or cotton swab.

Temporary TONE (*) Button - Press to temporarily change the dialing mode from Pulse to Tone when dialing in the Pulse mode. Provides tone function to access special services such as phone banking.

BASE UNIT Controls



Base Unit (Bottom View)

BASE UNIT Controls

TELEPHONE LINE CONNECTION JACK

POWER-IN CONNECTION JACK

TONE/PULSE Select Switch

IN USE/CHARGE LED Indicator: (IN USE) Lights up to indicate that the **HANDSET** is in TALK mode. (CHARGE) Lights up when the **HANDSET** is placed on the **BASE UNIT** for charging.

PAGE Button: Press to page the **HANDSET**.

CHARGE TERMINALS: For charging the **HANDSET BATTERY PACK**. For best performance, clean the **CHARGE TERMINALS** periodically with a damp cloth.

IMPORTANT

Placing your **BASE UNIT** near appliances such as televisions, refrigerators, **radios**, or microwave ovens may cause **interference**.

Getting Started

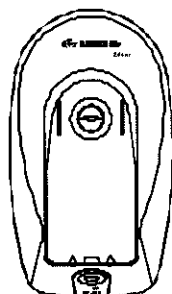
Connecting Your Phone

This section is a reference guide to the basic functions and operations of your cordless telephone. For more detailed descriptions of the operations and features of this telephone, refer to the Contents on page 1.

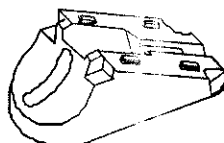
1. Carefully remove your cordless telephone from its shipping carton. If there is any visible damage, do not attempt to operate this equipment. Return it to the place of purchase.
2. Check to be sure you have all items that come with this cordless telephone system. You should have a **HANDSET**, **BASE UNIT**, **AC ADAPTOR**, **MOUNTING BRACKET**, **TELEPHONE LINE CORD**, **SHORT TELEPHONE LINE CORD**, **BELT CLIP** and Owner's Manual.



HANDSET



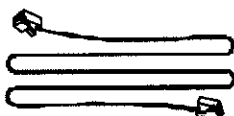
BASE UNIT



MOUNTING BRACKET



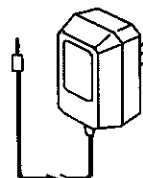
BELT CLIP



TELEPHONE LINE CORD



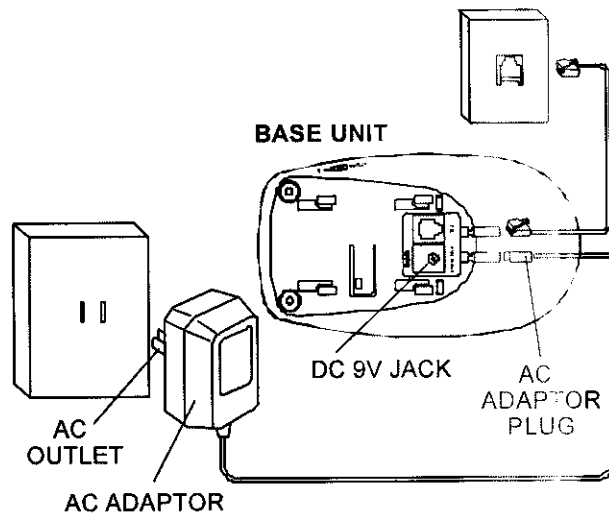
SHORT TELEPHONE LINE CORD



AC ADAPTOR

3. Insert the small plug on the end of the **AC ADAPTOR** into the **POWER-IN CONNECTION JACK** at the back of the **BASE UNIT**.
4. Plug the **AC ADAPTOR** into a 120V AC wall outlet.
⚠ USE ONLY WITH CLASS 2 POWER SOURCE 9V DC, 300mA.
5. Insert one plug of the **TELEPHONE LINE CORD** into the house **TELEPHONE JACK** and the other end into the **TELEPHONE LINE CONNECTION JACK** at the back of the **BASE UNIT**. (If you have an older 4-prong **TELEPHONE JACK**, you will need an **RJ-11C TELEPHONE JACK ADAPTOR**. This adaptor is available at the same place you purchased your telephone.)
6. We recommend not placing this unit next to appliances. Doing so may cause interference.

Getting Started

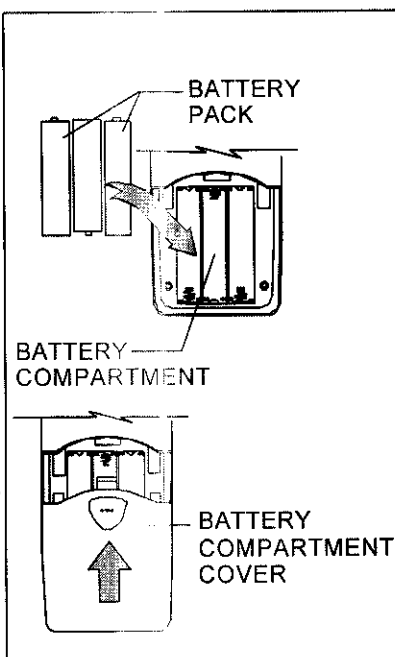


7. BATTERY INSTALLATION (HANDSET)

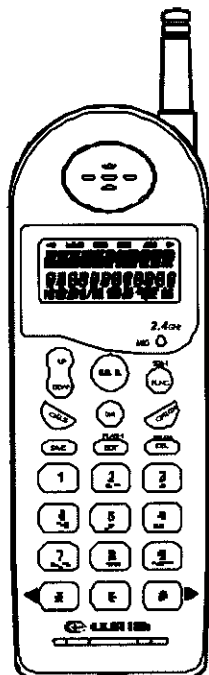
Remove the battery compartment cover of the handset by pressing the top of the cover and sliding it down. Connect the rechargeable battery

8. TONE/PULSE Select Switch:

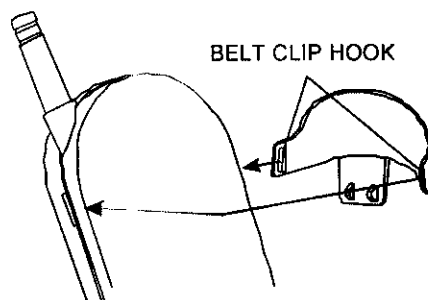
- A. If your home is equipped with a tone dialing system, set the TONE/PULSE Select Switch to the TONE position.
- B. If you have a rotary dialing system, set the TONE/PULSE Select Switch to PULSE position.
- C. If you are unsure which system you have, set the TONE/PULSE Select Switch to the TONE position. Press the **TALK** button on the **HANDSET** to get a dial tone, and press any button on the **KEYPAD** except the zero. If the dial tone continues, it means that you do not have TONE dialing service. Press the **TALK** button on the **HANDSET** to hang up. Set the TONE/PULSE Select Switch to the PULSE mode and then try again.



Getting Started



Press the **TALK** button to confirm that you have a dial tone. If you do not get a dial tone, review steps 3 through 11. If you still do not have a dial tone, refer to the Problem Solving section on pages 31 and 32.



With the back of the **HANDSET** facing up, insert one side of the **BELT CLIP HOOK** into the matching slot at the top side of the **HANDSET**. Press down on the opposite side of the **BELT CLIP** until the other hook locks into the slot on the side of the **HANDSET**.

9. Before initial use, charge the **HANDSET** for 12 hours.
10. Set the date and time.

***You are now ready to use your new
Cordless Telephone.***

IMPORTANT

In order to utilize the Caller ID feature, you must subscribe to Caller ID service from your local telephone company.

Desk Mounting

Desk Mounting

One of the special features of your telephone is the unique design of the **MOUNTING BRACKET** which can hold your phone at an angle of 30° when desk mounting. There are two positions to choose from:

1. NORMAL POSITION (MOUNTING BRACKET not required):

For normal position, as shown in Figure 1, place the **BASE UNIT** on any desired but suitable location.

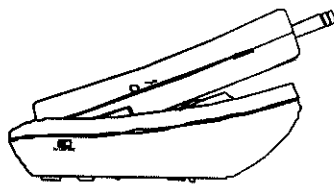


Figure 1

2. 30° POSITION (See Figure 2):

With the back of the **BASE UNIT** facing up, insert the hooks of the **MOUNTING BRACKET** (following the arrow direction for the **DESK MOUNT**) into the matching slots of the **BASE UNIT** (as shown in Figure 3). Then slide the **MOUNTING BRACKET** into place as indicated by the arrow.

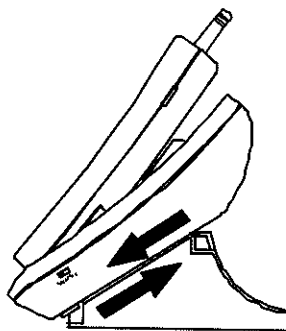


Figure 2

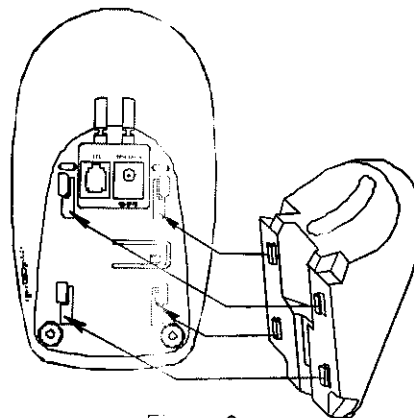


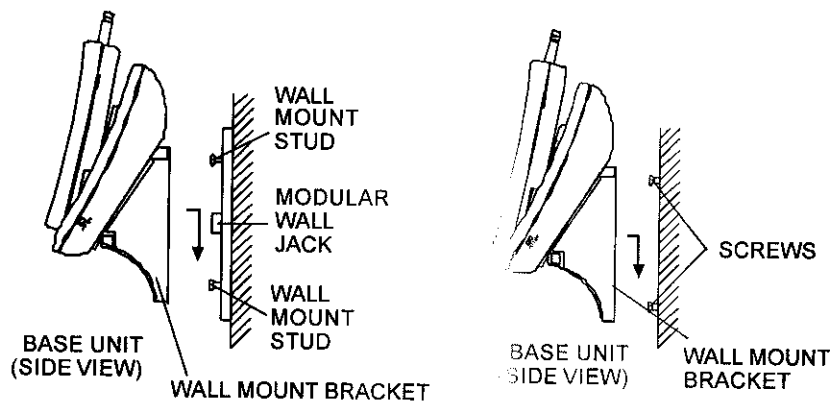
Figure 3

Wall Mounting

Wall Mounting

You may choose to put the **BASE UNIT** of your cordless telephone on a wall.

1. With the back of the **BASE UNIT** facing up, connect the **SHORT TELEPHONE LINE CORD** to the **TELEPHONE LINE CONNECTION JACK**.
2. Insert the free end of the **SHORT TELEPHONE LINE CORD** through the hole of the **MOUNTING BRACKET**.
3. Insert the hooks of the **MOUNTING BRACKET** (following the arrow direction for the **WALL MOUNT**) into the matching slots of the **BASE UNIT** (as shown below). Then slide the **MOUNTING BRACKET** into place as indicated by the arrow. Plug the free end of the **SHORT TELEPHONE LINE CORD** into the **MODULAR WALL JACK**.
4. Align the upper keyhole on the **MOUNTING BRACKET** with the upper stud of the wall plate, so that the opening end of the **MOUNTING BRACKET** matches the lower stud, then pull the **BASE UNIT** down until it is securely seated.



Cordless Telephone Operation

Preparing for Use

Before you can use your cordless telephone, you must charge the **HANDSET** for 12 hours. Failure to do so will require recharging of the **BATTERY** more often.

1. Place the **HANDSET** on the **BASE UNIT** for 12 hours.
2. After 12 hours, remove the **HANDSET** from the **BASE UNIT**.

Before you can use your cordless telephone, you must charge the HANDSET for 12 hours. Failure to do so will require more frequent charging of the BATTERY.

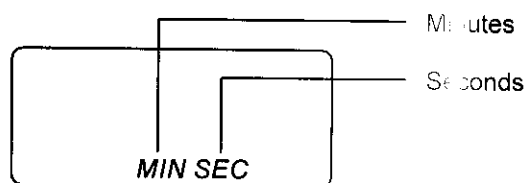
NOTE:

Depending on the frequency of use, once the **HANDSET** is fully charged, it remains functional for approximately 5 hours of continuous use and approximately 6 days when the **HANDSET** is off the **BASE UNIT** in **STANDBY** mode.

Receiving Calls

1. When the phone rings, lift the **HANDSET** and press the **TALK** button. The **BASEUNIT IN USE** LED indicator will light up.
2. Start your conversation.
3. To end your conversation, either press the **TALK** button or place the **HANDSET** on the **BASE UNIT**. If you place the **HANDSET** on the **BASE UNIT** charge cradle, you activate the automatic **STANDBY** feature.

NOTE: The Call Timer will start to count once you press the **TALK** button.



Call Timer Display

IMPORTANT

The AC ADAPTOR must always be plugged into an electrical outlet.

Cordless Telephone Operation

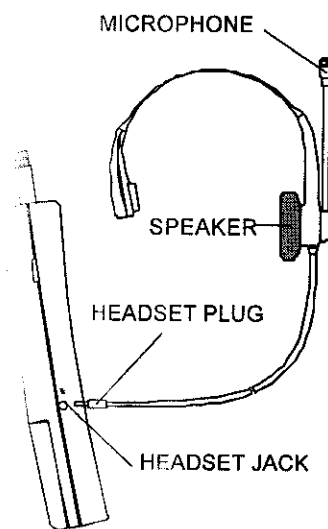
Placing Calls

1. Press the **PAUSE** button, the Call Timer starts to count. The **BASE UNIT IN USE LED** indicator will light up.
2. Listen for a dial tone.
3. Dial the phone number.
4. When you have finished your call, press the **PAUSE** button again or place the **HANDSET** on the **BASE UNIT**. The **BASE UNIT IN USE LED** indicator will turn off.

Using the Headset Feature

Your telephone can utilize a headset (not included) to be connected to your **HANDSET** for you to enjoy hands-free communication. Insert the small plug at the end of the headset into the **HEADSET JACK** at the right side of the **HANDSET**. Follow the procedures discussed in "Receiving Calls" and "Placing Calls" to receive and place a call.

NOTE: When you plug in the headset plug into the **HEADSET JACK** it automatically mutes the **MICROPHONE** and **SPEAKER** of the **HANDSET**. Unplug the headset to return the **HANDSET** to normal use.

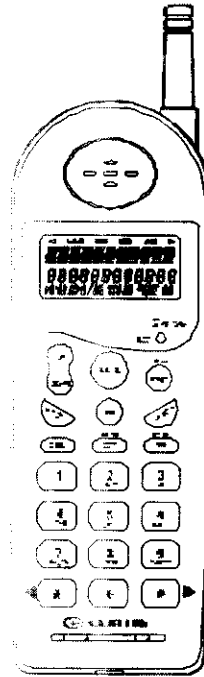


Headsets are available at most retail outlets that sell telephone equipment. The **HEADSET JACK** is compatible with 2.5 mm headset plugs only.

Cordless Telephone Operation

Redial Feature

1. If you get a busy tone, press the **TALK** button or place the **HANDSET** on the **BASE UNIT** to hang up.
2. Later, press the **TALK** button again.
3. Listen for a dial tone.
4. Press the **REDA** button. This will automatically redial the last telephone number you called.
5. When you have finished with your call, press the **TALK** button again or place the **HANDSET** on the **BASE UNIT**. The **BASE UNIT IN USE** LED indicator will turn off.



NOTE:

If you are too far away from the **BASE UNIT**, the **HANDSET** emits "beep" sounds to warn you that the background noise level is too high for proper communication between the **HANDSET** and the **BASE UNIT**. When you hear this sound, you should move closer to the **BASE UNIT** to reduce the noise level. Otherwise, the call will automatically cut off.

Problem Solving Section

For your assistance, we have listed below a few common problems.

Phone does not work, check the following:

1. **BASE UNIT** is plugged into power source.
2. **HANDSET** is charged.
3. **TONE/PULSE** switch is in the right position.
4. **TELEPHONE LINE CORD** is plugged into the telephone jack.

No dial tone, check the following:

1. **TELEPHONE LINE CORD** plugs are connected to the **TELEPHONE JACK** and **TELEPHONE LINE CONNECTION JACK**.
2. **BASE UNIT** is plugged into power source.
3. If you had a power failure or had unplugged the **BASE UNIT**, replace the **HANDSET** on the **BASE UNIT** for 2 to 5 seconds to reset the system.

Received signal flutters or fades, check the following:

1. **BATTERY** in **HANDSET** is fully charged.
2. **HANDSET** is not too far from the **BASE UNIT**.

Interference on reception, check the following:

1. Noise may be picked up from electrical products in the home or electrical storms. Generally, this noise is a minor annoyance and should not be interpreted as a defect in your system.
2. Choose an alternate channel using the **SCAN** button on the **HANDSET**.

Long Distance "L-D-C" indicator is not ON when receiving long distance call, check the following:

1. Your local telephone company can provide the Area Code on an incoming long distance call.

If after pressing the **TALK** button, you receive three "beeps" and no dial tone, check the following:

1. **BASE UNIT** is plugged into power source.
2. If you had a power failure or had unplugged the **BASE UNIT**, replace the **HANDSET** on the **BASE UNIT** for 2 to 5 seconds to reset the system.

NOTE:

If none of the telephones in the house are working, disconnect one set at a time to verify that none of the phones are causing the problem. If you still have a problem after doing this, and your telephone still does not work, please contact your local phone company.