



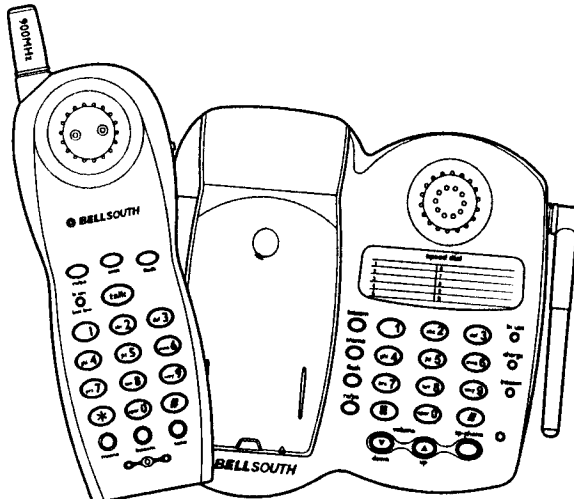
900MHz CORDLESS TELEPHONE WITH SPEAKERPHONE

40 CHANNEL AUTOSCAN

Model MH9034

OWNER'S MANUAL INSTALLATION AND OPERATING INSTRUCTIONS

**PLEASE READ THIS
MANUAL CAREFULLY
BEFORE USE.
KEEP FOR YOUR
REFERENCE.**



*For Getting Started Information,
please see Installation Instructions
on page 7 or your separate
Quick Start guide.*

Special Features

Congratulations on your selection of a quality **BellSouth Product**. With proper care and by following the setup and user instructions in this manual, this unit will provide you with years of trouble free service.

BellSouth is committed to providing quality products that fit your needs. We would like to have any comments or suggestions you might have on this product. You may mail your comments to:

**U.S. Electronics
105 Madison Avenue
New York, NY 10016**

When examining your new **BellSouth** cordless telephone, you will find an array of special features including:

Filtered Sound™ System - Gets considerably less noise than conventional cordless telephones because of a special circuit which delivers the clearest possible reception.

40 Channel Autoscan - Press the **(scan)** button on the **HANDSET** to find and lock on to the clearest channel for any call.

Dual keypads - Send or receive calls on either the **HANDSET** or the **BASE UNIT**.

Hands Free Speakerphone - Use the **BASE UNIT** as a speakerphone and adjust the volume to suit your needs.

Telephone Number Storage - Stores up to 10 frequently called numbers on the **HANDSET** and 10 different numbers on the **BASE UNIT**.

Desk or Wall Mount - Use this equipment as a desk phone or as a wall phone.

Tone or Pulse Dialing - Use this phone for either tone or push-button pulse (rotary) dialing.

Two Way Intercom - Place and receive calls from both **HANDSET** and **BASE UNIT**.

Automated Functions - Redial the last number called, speed dial 10 numbers and automatic **STANDBY**.

Security - Ensures greater privacy because a built-in security code with 65,536 combinations prevents use of your telephone line by another nearby cordless phone.

Dependable Battery - Recharge your battery pack many times with the built-in charger. The battery low warning tone tells you when the battery pack needs recharging. See page 19.

Special Services - Use the **(flash)** button to access special services such as Call Waiting supplied by your telephone company or company switchboard.

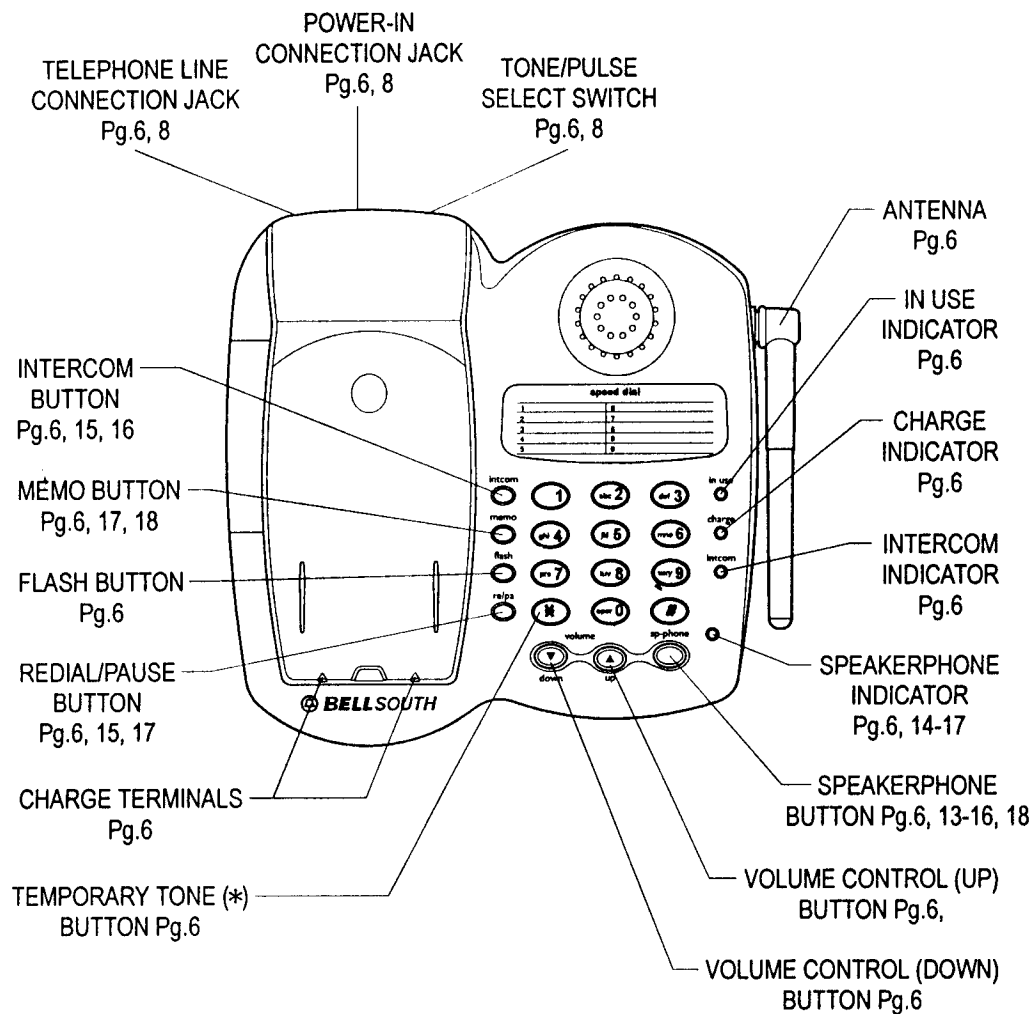
STANDBY Mode - When in **STANDBY** mode, the phone is capable of receiving a call (**ON HOOK**). When the **HANDSET** is on the **BASE UNIT**, it is automatically in the **STANDBY** mode (**ON HOOK**). When the **HANDSET** is taken off the **BASE UNIT** it remains in the **STANDBY** mode until you activate the **(talk)** button.

Battery Power Saver - Once fully charged, in **STANDBY** mode and with the **RINGER SWITCH** in the "ON" position, the **HANDSET** can receive/send calls for a maximum of five days without the need of recharging, depending on frequency of use.

HANDSET Volume Control Switch - Select the volume level (**HI**, **MID**, **LOW**).

Headset Jack - Your telephone can utilize a headset for hands-free communication.

Belt Clip - Use the Belt Clip to hang your **HANDSET** to your belt.



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Safety Instructions

IMPORTANT SAFETY INSTRUCTIONS

To reduce the risk of fire, electric shock and/or injury, always follow these basic safety precautions when using your cordless telephone equipment.

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 bath tub, wash bowl, 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 must not be blocked or covered. The openings should never be blocked by placing the product on the bed, sofa, rug, or other similar surface. 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 walk on the cord.
9. Do not overload wall outlets and extension cords. This can increase the risk of fire or electric shock.
10. Never push objects of any kind through slots in the product. They could 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 take this product apart. When service or repair work is required on this product, take it to a qualified service representative. Opening or removing covers may expose you to dangerous voltage or other risks. Incorrect reassembly can cause electric shock when the appliance is used.
12. Unplug this product from the wall outlet and consult a qualified service representative in any of the following situations.
 - A. When the power supply cord is frayed or damaged.
 - B. If liquid has been spilled into the product.
 - C. If the product has been exposed to rain or water.
 - 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 adjustment of the other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.

Safety Instructions

- E. If the product has been dropped or the case has been damaged.
- F. If the product exhibits a distinct change in performance.
- 13. Do not use the telephone to report a gas leak in the vicinity of the leak.
- 14. Never install telephone wiring during a lightning storm.
- 15. Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.
- 16. Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
- 17. Use caution when installing or modifying telephone lines.

SAVE THESE INSTRUCTIONS

Battery Cautionary Instructions

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 pack:
 - Cordless Telephone Battery Pack .
 - 3.6V, 600mAh
 - U.S. Electronics Inc.
 - Ni-Cd Battery Pack: model B-650
 - (See page 19 for ordering information.)
2. Do not dispose of the battery pack in a fire. It may explode. Check with local codes for possible special disposal instructions.
3. Do not open or mutilate the battery pack. Released electrolyte is corrosive and may cause damage to the eyes or skin. It may be toxic if swallowed.
4. Exercise care in handling the battery pack to prevent shorting the battery with conductive materials such as rings, bracelets and keys. The battery pack or conductor may overheat and cause burns.
5. Charge the battery pack provided with or identified for use with this product only in accordance with the instructions and limitations specified in this manual.
6. Observe proper polarity orientation between the battery pack and battery charger.

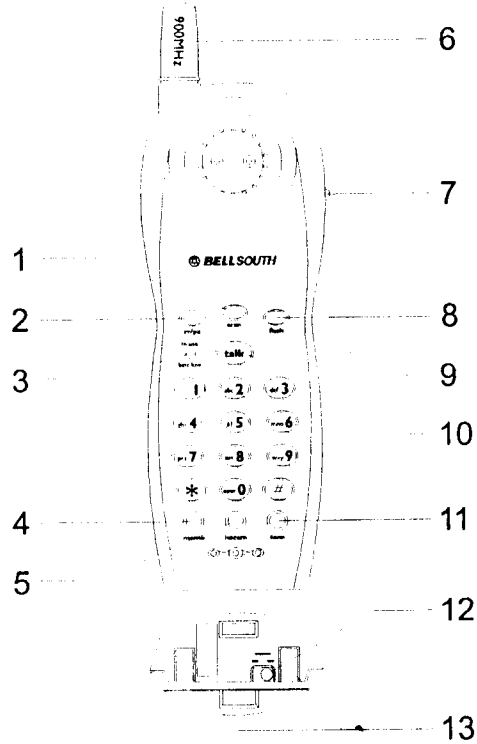
ATTENTION:

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

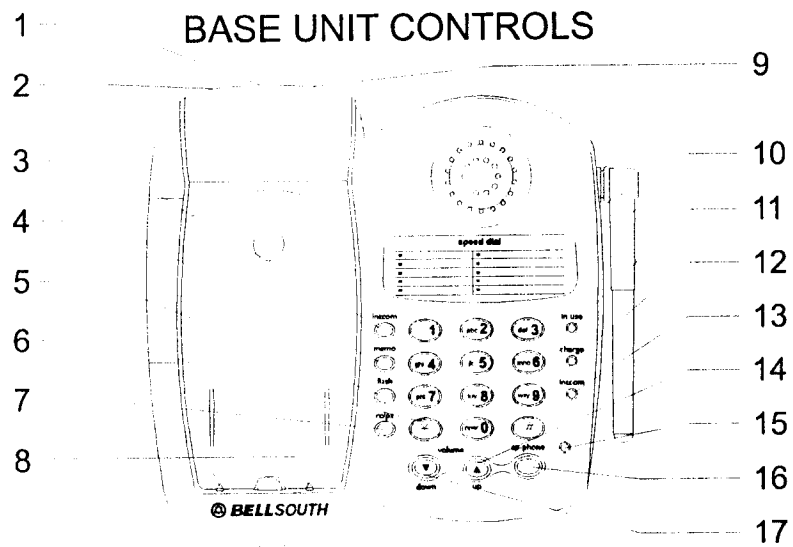


Controls Diagram

HANDSET CONTROLS



BASE UNIT CONTROLS



HANDSET Controls

1. **Scan Button:** Press to change the operating channel when you hear interference.
2. **Redial/Pause (re/pa) Button:** REDIAL - Press to redial the last telephone number you called. PAUSE - Press to insert a pause while dialing. (You will need the **re/pa** button to dial numbers which use an alternative long distance access code.
3. **In Use/Batt Low Indicator:** Lights up when the **HANDSET** is in TALK mode. Blinks slowly to indicate that the Intercom function is in use. Blinks when battery power is low. (See page 19 for detail.)
4. **Memo Button:** Press to store 10 phone numbers (up to 16 digits each) in memory or to call a number you have previously stored in the 10 memory locations.
5. **Intcom (INTERCOM) Button:** Press to initiate a two-way intercom conversation between the **HANDSET** and the **BASE UNIT**.
6. **HANDSET ANTENNA**
7. **Volume Control (hi, mid, low) Switch:** Select the **HANDSET** speaker volume level (HI, MID, LOW).
8. **Flash Button:** Press to answer an incoming call if you have Call Waiting.
9. **Headset Jack:** For connecting your headset plug to enjoy a hands-free communication.
10. **Talk Button:** Press to answer an incoming call or to place a call. Press to end a call.
11. **Tone Button:** Press to temporarily change the dialing mode from Pulse to Tone for Rotary Service Users. (Press once before entering numbers to access the answering system or electronic banking services, etc.)
12. **Ringer on/off Switch:** Set switch to OFF position to disengage the ringer on the **HANDSET**.
13. **Charge Contacts:** For charging the battery pack inside the **HANDSET**. We recommend cleaning periodically with a damp cloth.

IMPORTANT

When you hear interference, press the **scan** button to change the operating channel.

BASE UNIT Controls

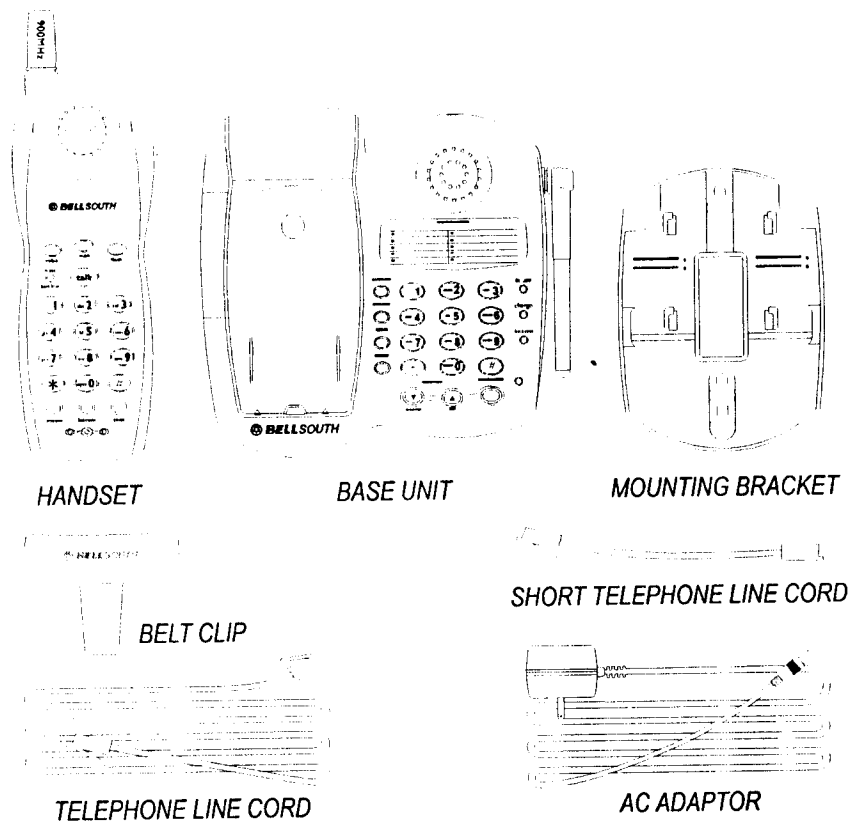
1. **Power-In Connection Jack**
2. **Telephone Line Connection Jack**
3. **Intcom (INTERCOM) Button:** Press to initiate an intercom conversation between the **BASE UNIT** and the **HANDSET**.
4. **Memo Button:** Press to store 10 phone numbers (up to 16 digits each) or dial any of the stored phone numbers in the 10 memory locations.
5. **Flash Button:** Press to answer an incoming call if you have Call Waiting.
6. **Temporary Tone (*) Button:** Press to temporarily change the dialing mode from Pulse to Tone when dialing in Pulse mode. (Press once before entering numbers to access the answering system or electronic banking services, etc.)
7. **REDIAL/PAUSE (re/pa) Button:** REDIAL - Press to redial the last telephone number you called in the speakerphone mode. PAUSE - Press to insert a pause while dialing. (You will need the **re/pa** button to dial numbers which use an alternative long distance access code.
8. **Charge Terminals:** For charging the battery pack inside the **HANDSET**. We recommend cleaning periodically with a damp cloth.
9. **Tone/Pulse Select Switch**
10. **Antenna:** Raise or reposition for best reception.
11. **In Use Indicator:** Lights up when the **HANDSET** is in use.
12. **Charge Indicator:** Lights up to indicate the **HANDSET** is being charged by the **BASE UNIT**.
13. **Intcom (INTERCOM) Indicator:** Lights up when the INTERCOM function is in use.
14. **Base Volume (UP) Adjustment:** Press to increase the volume level of the **BASE UNIT** speaker.
15. **Speakerphone Indicator:** Blinks rapidly when you initiate an intercom call or if an intercom call is received. Lights up when the **SPEAKERPHONE** function is in use.
16. **Sp-phone (SPEAKERPHONE) Button:** Press to place and receive calls without using the **HANDSET**.
17. **Base Volume (DOWN) Adjustment:** Press to decrease the volume level of the **BASE UNIT** speaker.

Getting Started

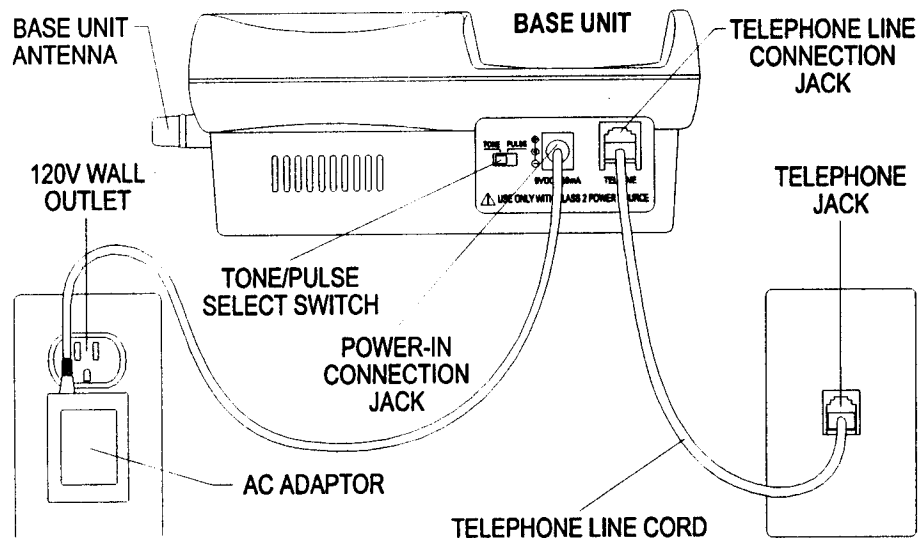
Connecting Your Phone

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.

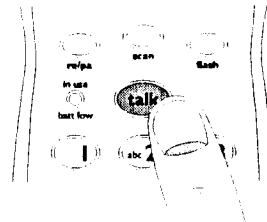
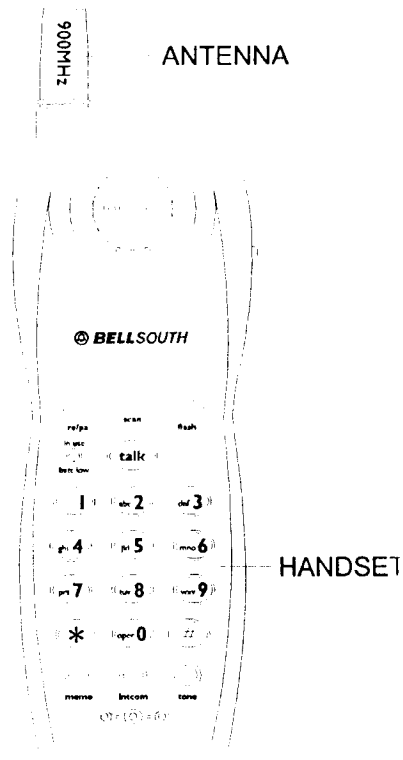


Getting Started

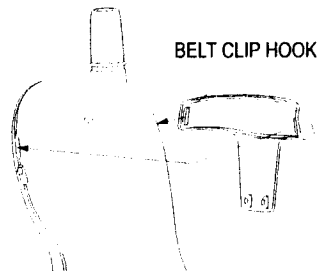


3. Insert the small plug on the end of the AC adaptor into the POWER-IN connection jack at the back of the **BASE UNIT**.
4. Plug the AC adaptor into a 120V AC wall outlet.
⚠ USE ONLY WITH CLASS 2 POWER SOURCE 9V DC, 350mA.
5. Insert one plug of the TELEPHONE LINE CORD into the house TELEPHONE JACK and the other end into the telephone line 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. Raise or reposition the antenna on the **BASE UNIT** for best reception.
7. We recommend not placing this unit next to appliances. Doing so may cause interference.
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 key on the keypad except the zero. If the dial tone continues, you do not have Touchtone 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 8. If you still have no dial tone, refer to the Problem Solving section on page 21.



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**. Slide the other hook until it locks into place from the slot on the opposite side of the **HANDSET**.

9. Before initial use, charge the **HANDSET** for 12 hours.

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

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.

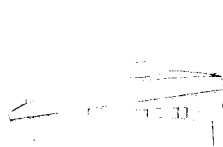


FIGURE 1

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

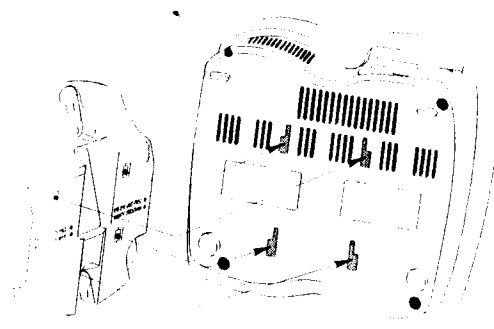


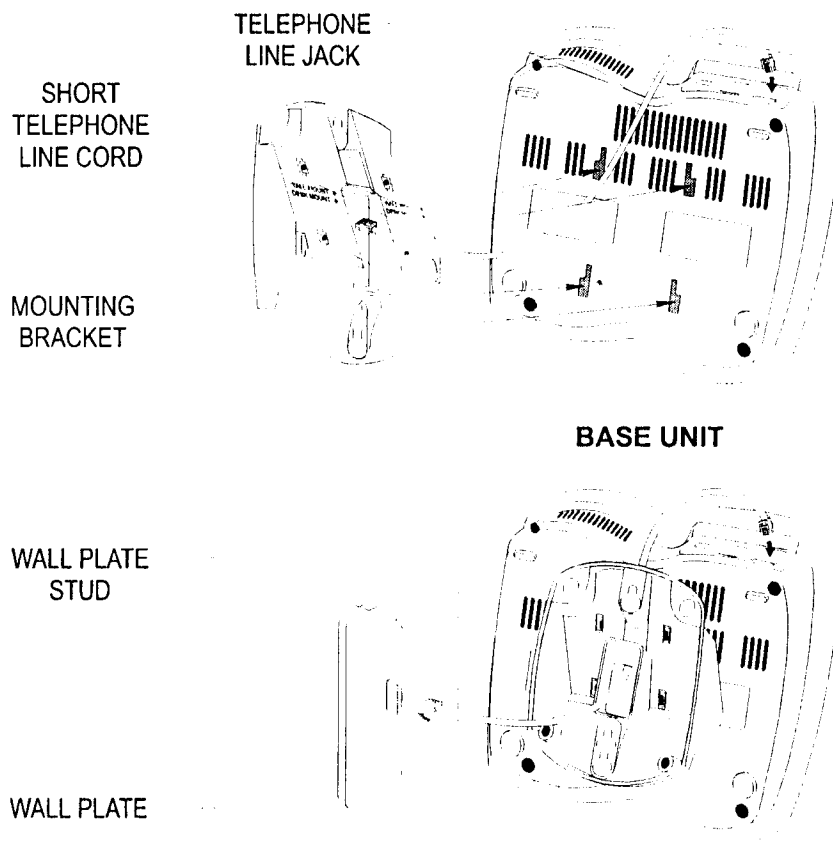
FIGURE 3

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 jack.
2. Insert 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 pack more often.

1. Place the **HANDSET** on the **BASE UNIT** for 12 hours.
2. After 12 hours, remove the **HANDSET** from the **BASE UNIT**.
3. Raise or reposition the **BASE UNIT** antenna for best reception.

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 pack. See page 19 for more information on the battery pack.

NOTE:

Once the **HANDSET** is fully charged, it is operable for approximately 4 hours of continuous talk use and approximately 5 days when the **HANDSET** is left off the **BASE UNIT** in **STANDBY Mode** depending on the frequency of use.

IMPORTANT

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

Cordless Telephone Operation

Receiving Calls

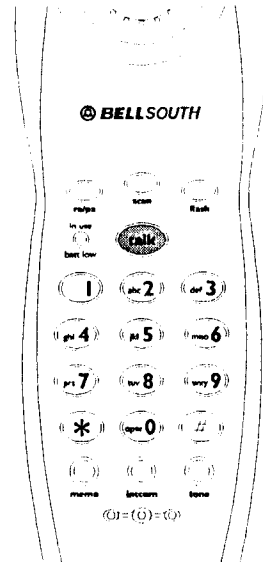
Using the HANDSET

If the **HANDSET** is on the **BASE UNIT**:

1. When the phone rings, lift the **HANDSET**.
The IN USE indicator will light up.
(NOTE: While the **HANDSET** stays on the **BASE UNIT** charge cradle, the **BASE UNIT** will ring but the **HANDSET** ringer will be disabled regardless the ringer switch is set either to "ON" or "OFF".)
2. Start your conversation.
3. To end your conversation, either press the **talk** button or place the **HANDSET** on the **BASE UNIT**.

If the **HANDSET** is off the **BASE UNIT**:

1. When the phone rings, press the **talk** button. The IN USE 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**.



NOTE: When an incoming call is received with the **HANDSET** away from the **BASE UNIT** and the ringer switch is set to "OFF", the **HANDSET** will not ring but the IN USE indicator will blink. Set switch to "ON" for normal use. The **BASE UNIT** will always ring regardless of the **HANDSET** ringer position.

NOTE:

If you are 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.

Using the BASE UNIT

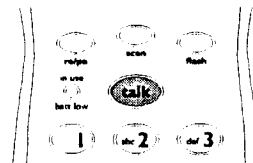
1. When the phone rings, press the **sp-phone** button.
2. Start your conversation.
3. Adjust the speaker volume to your comfortable listening level. The **BASE UNIT** speaker volume can be adjusted to 8 levels from the lowest to the highest. A double beep sound will be heard when you reach the maximum or the minimum sound level.

Cordless Telephone Operation

Placing Calls

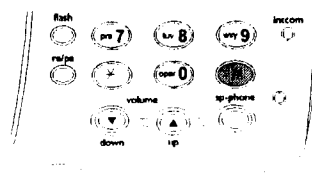
Using the HANDSET

1. Press the **talk** button on the HANDSET. The IN USE indicator will light up.
2. Listen for a dial tone.
3. Dial the phone number.



Using the BASE UNIT

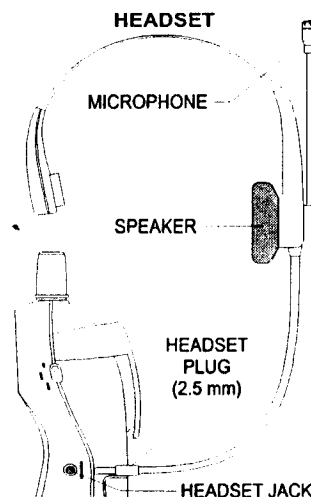
1. Press the **sp-phone** button on the BASE UNIT. The SPEAKERPHONE indicator will light up.
2. Listen for a dial tone.
3. Adjust the speaker volume to your comfortable listening level.
4. Dial the phone number.



Using the Headset Feature

Your telephone can utilize a headset (not included) to be connected to your HANDSET for you to enjoy a hands-free communication. Insert the small plug on 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" when 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.

Ending a Call

Using the HANDSET:

Since the unit features "Auto-Standby", return the HANDSET to the BASE UNIT or press the **talk** button if you are away from the BASE UNIT.

Using the BASE UNIT:

Press the **sp-phone** button to hang up.

Cordless Telephone Operation

Last Number Redial

If you get a busy tone, use the Redial function to automatically dial the last telephone number you called.

Redial Using the HANDSET:

1. Lift the HANDSET and press the **(talk)** button.
2. Listen for a dial tone.
3. Press the Redial **(re/pa)** button to automatically dial the last telephone number you called using the HANDSET.

Redial Using the BASE UNIT

1. Press the **(sp-phone)** button.
2. Listen for a dial tone.
3. Press the **(re/pa)** button to automatically dial the last telephone number you called using the BASE UNIT.

NOTE: The HANDSET and BASE UNIT REDIAL functions are independent from each other. Both HANDSET and BASE UNIT will redial only the number stored in their own redial memory.

Intercom Function

You can have a two-way conversation between the HANDSET and BASE UNIT through the INTERCOM feature.

Activating the Intercom using the BASE UNIT

1. Press the **(intcom)** button on the BASE UNIT.
2. The HANDSET emits a rapid beep sound.
3. The HANDSET user can respond by pressing the **(intcom)** or **(talk)** button and start conversation with the caller from the BASE UNIT.

Activating the Intercom using the HANDSET

1. Press the **(intcom)** button on the HANDSET.
2. The BASE UNIT emits a rapid beep sound and simultaneously the SPEAKERPHONE indicator will flash.
3. The BASE UNIT user can respond by pressing the **(intcom)** or **(sp-phone)** button on the BASE UNIT and start conversation with the caller from the HANDSET. The INTERCOM indicator will light up.

To End the Intercom Mode

Press either the **(intcom)** / **(talk)** button on the HANDSET or the **(intcom)** / **(sp-phone)** button on the BASE UNIT to end the conversation using the INTERCOM mode.

Cordless Telephone Operation

Transferring Calls

This feature allows you to transfer a call from the **HANDSET** to the **BASE UNIT**, or vice-versa.

Transferring Calls from **HANDSET** to **BASE UNIT**

1. During a phone conversation through the **HANDSET**, press the **Intcom** button on the **HANDSET**. The **BASE UNIT** emits a rapid beep sound and simultaneously the **SPEAKERPHONE** indicator blinks rapidly. If the **BASE UNIT** user does not respond, press the **Intcom** button again to return to the call.
2. The **BASE UNIT** user can press the **Intcom** button to answer. An intercom link between the **HANDSET** and **BASE UNIT** is established and the call will be put on hold. The **HANDSET IN USE/BATT LOW** indicator will flash rapidly.
3. If the **BASE UNIT** user does not want to access the telephone call while in the intercom mode, the user can press the **Intcom** button on the **BASE UNIT** to return the phone call to the **HANDSET** user or the **HANDSET** user can press the **talk** / **Intcom** button to return to the call.
4. To transfer the call, the **BASE UNIT** user must press the **sp-phone** button. The **HANDSET** user could stay on the line to join the phone conversation or he can press the **talk** button on the **HANDSET** to release the line to the **BASE UNIT** user.

Note: When the **HANDSET** user page the **BASE UNIT** user for an intercom call, the **BASE UNIT** user can press the **sp-phone** button to directly access the call and join a three-way conversation with the caller and the **HANDSET** user.

Transferring Calls from **BASE UNIT** to **HANDSET**

1. During a phone conversation through the **BASE UNIT** in the speakerphone mode and the **HANDSET** is on the base cradle, picking up the **HANDSET** automatically transfers the call from the **BASE UNIT** to the **HANDSET**.
2. If the **HANDSET** is out of the **BASE UNIT** charge cradle, press the **Intcom** button on the **BASE UNIT**. The **HANDSET** emits a rapid beep sound and simultaneously the **IN USE** indicator will blink rapidly. If the **HANDSET** user does not respond, press the **Intcom** / **sp-phone** button to return to the call.
3. The **HANDSET** user can press the **Intcom** button to answer. An intercom link between the **BASE UNIT** and the **HANDSET** is established and the call will be put on hold. The **HANDSET IN USE** indicator will be blinking.
4. To transfer the call, the **HANDSET** user must press the **talk** button. The **BASE UNIT** user could stay on the line to join the phone conversation or he can press the **sp-phone** button on the **BASE UNIT** to release the line to the **HANDSET** user.

Note: When the **BASE UNIT** user page the **HANDSET** user for an intercom call, the **HANDSET** user can press the **talk** button to directly access the call and join a three-way conversation with the caller and the **BASE UNIT** user.

Cordless Telephone Operation

Memory Dialing

You can store and recall up to 10 phone numbers (up to 16 digits each) in the **HANDSET** and 10 different phone numbers in the **BASE UNIT**.

Storing Telephone Numbers into the **HANDSET** or **BASE UNIT** Memory

1. Press the **memo** button on either the **HANDSET** or **BASE UNIT**. The **HANDSET IN USE** indicator will be blinking and if you use the **BASE UNIT** the **SPEAKERPHONE** indicator will be blinking.
2. Dial the telephone number you want to store (maximum of 16 digits) on either the **HANDSET** or **BASE UNIT** keypad.
3. Press the **memo** button again.
4. Dial the index number, (0 to 9) for the **HANDSET** and (0 to 9) for the **BASE UNIT**, where you want to store that number. You will hear one confirmation beep.
5. Write the name of the person you will be calling with that number next to the corresponding index number on the telephone number card.
6. Repeat steps 1 to 5 to store other telephone numbers.

EXAMPLE: To store the number 703-1968 under the index number 1 on the keypad:

1. Press the **memo** button.
2. Dial 703-1968.
3. Press the **memo** button again.
4. Press 1 on the keypad.
5. You have stored 703-1968 under key 1 on the keypad.

A total of 10 telephone numbers for the **HANDSET** and 10 different phone numbers for the **BASE UNIT** can be programmed in their respective memory.

IMPORTANT: The maximum number of digits that can be stored for any phone number is 16 in pulse or tone mode. The maximum number of digits for mixed (tone and pulse in combination) dialing is 15. If you are using a switchboard system to access an outside line (such as an 8 or 9), press the **re/pa** button to store a pause.

IMPORTANT

In order to get maximum life from the **HANDSET** battery pack, be sure to charge the **HANDSET** for 12 hours before initial use.

Cordless Telephone Operation

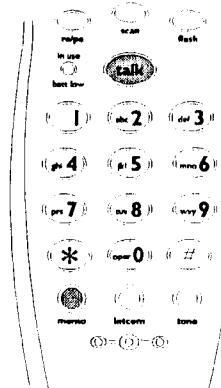
Recalling Stored Numbers from Memory

Using the HANDSET

1. Press the **talk** button.
2. Press the **memo** button.
3. Press the index number for the number you have stored using the **HANDSET**.
The stored number will be dialed automatically.

Using the BASE UNIT

1. Press the **sp-phone** button.
2. Press the **memo** button.
3. Press the index number for the number you have stored using the **BASE UNIT**.
The stored number will be dialed automatically.



EXAMPLE: To recall number 703-1968 stored under key 1 on the **HANDSET** keypad:

1. Press the **talk** button.
2. Press the **memo** button.
3. Dial 1.

NOTE: Both the **HANDSET** and **BASE UNIT** have memory locations separate from each other. Use the **HANDSET** to recall phone numbers you have stored using the **HANDSET**, and use the **BASE UNIT** to recall phone numbers you have stored using the **BASE UNIT**.

Security System

Your cordless telephone uses a digital security coding system to prevent unauthorized use of your telephone line by another nearby cordless telephone. The system has its own identifying signal created by microcomputers in both the **BASE UNIT** and **HANDSET**.

Security Code

This telephone has an internal security code with 65,536 possible combinations.

Multi-Channel Access

Your cordless telephone lets you select a channel from the 40 frequencies available to transmit signals between the **BASE UNIT** and **HANDSET**. When you notice interference from other cordless telephones, change to another channel by pressing the **scan** button on the **HANDSET**.

Recharging the Battery Pack

Battery Type

Use the following type and size of battery pack:

Cordless Telephone Battery Pack

3.6V, 600mAh

U.S. Electronics Inc.

Ni-Cd Battery Pack: model B650

This battery pack is available through:

U.S. Electronics Service Center

105 Madison Avenue

New York, NY 10016

1-800-828-5208

Recharging the Battery Pack

The nickel cadmium (Ni-Cd) battery pack in the **HANDSET** can be recharged many times using the built-in charger in the **BASE UNIT**.

When the **BATTERY LOW** indicator starts to blink, a "beep" sound will be heard every 12 seconds. This indicates that the battery pack needs to be recharged.

Charge the battery pack at least once every 90 days of nonuse to avoid battery failure. When the battery pack can no longer be charged, replacement of the battery pack will be necessary.

The battery pack used in your telephone may develop a condition known as "MEMORY". Once subjected to a regular short discharging routine, the battery assumes the discharging pattern it was subjected to. This is known as a "MEMORY" condition which causes rapid discharging thereby shortening the battery pack charge span. If you believe your battery pack has developed a memory condition, do not charge the **HANDSET** until the **BATTERY LOW** indicator comes on. When it does come on, charge the **HANDSET** fully for 12 hours.

IMPORTANT

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

Changing the Battery Pack

Changing the Battery Pack

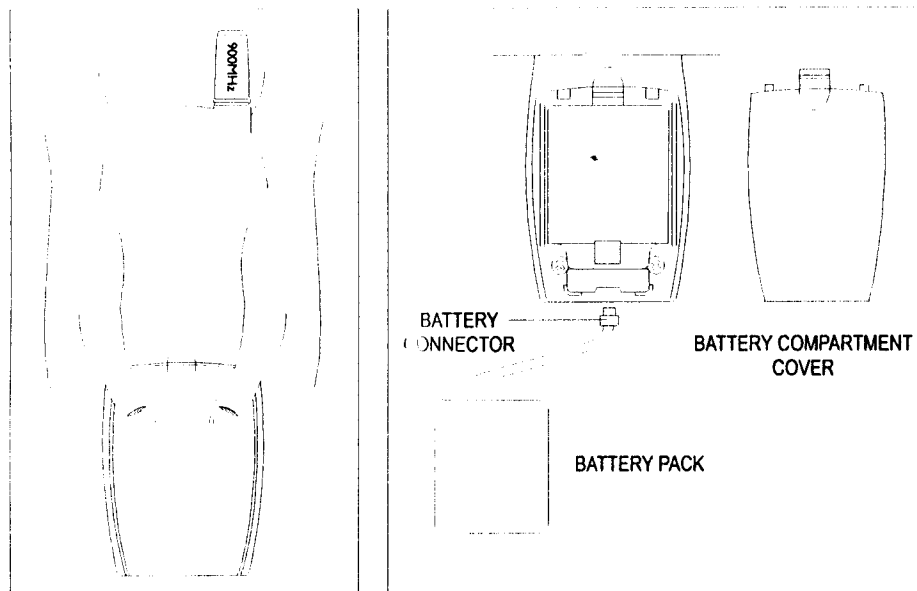
The battery pack provides power for the **HANDSET** of your cordless telephone.

To Replace the Battery Pack:

1. Remove the **HANDSET** battery compartment cover by sliding it down.
2. Pull out the battery connector and remove the battery pack.
3. Plug the new battery pack into the battery connector.
4. Slide the **HANDSET** battery compartment cover firmly into place in its closed position.
5. Before use, charge the new battery pack for 12 hours.

ATTENTION:

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



Remove the battery **HANDSET** compartment cover by sliding it down.

Problem Solving

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.

Range of phone limited, check the following:

1. ANTENNA on BASE UNIT is raised.
2. BASE UNIT is centrally located in your residence.
3. BASE UNIT is not located near appliances.

No dial tone, check the following:

1. Telephone plug is connected to the telephone line.
2. BASE UNIT is plugged into power source.

Received signal flutters or fades, check the following:

1. Battery pack in HANDSET is fully charged.
2. HANDSET is not too far from the BASE UNIT.
3. ANTENNA on BASE UNIT is raised.

Interference on reception, check the following:

1. Noise may be picked up from electrical products at home or electrical storms.
Generally, this noise is a minor annoyance and should not be interpreted as a defect in your system. (See Technical Information on page 22.)
2. Choose an alternate channel using the **scan** button on the HANDSET.

Excess static, check the following:

1. Check to see that the ANTENNA is not touching another metal object.
Raise or reposition the BASE UNIT ANTENNA.

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.

NOTE: If no 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.



Technical Information

Technical Information

This cordless telephone uses radio frequencies to allow mobility. There are certain difficulties in using radio frequencies with cordless telephone. While these are normal, the following could affect operation of your system.

Noise

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

Range

Because radio frequency is used, location of the **BASE UNIT** can affect the operating range. Try several locations in your home or office and pick the one that gives you the clearest signal to the **HANDSET**.

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 UNIT**. You may hear clicks or hear the relay activate while you are not using the **HANDSET**. If the interference occurs frequently, it can be minimized or eliminated by lowering the height of your base antenna or by relocating the **BASE UNIT**. You can check for interference before selecting the final **BASE UNIT** location by plugging in the phone.

NOTICE:

This cordless telephone uses radio communication between the **HANDSET** and the **BASE UNIT** and may not ensure privacy of communication. Other devices, including other cordless telephone, may interfere with the operation of this cordless telephone or cause noise during operation. Units not containing coded access may be accessed by other radio communication systems. Cordless telephones must not cause interference to any licensed radio service.

IMPORTANT

If you live in an area which gets frequent thunderstorms, we strongly recommend plugging your AC adaptor into a surge protector.

FCC Requirements

Federal Communications Commission Requirements

This equipment complies with Part 68 of FCC Rules. A label on the **BASE UNIT** of this equipment contains, among other information, the FCC Registration Number and the Ringer Equivalence Number (REN) for this equipment. You must, upon request, provide this information to your telephone company.

The REN is also useful in determining the quantity of devices that you may connect to your telephone line and still allow these devices to ring when your telephone number is called. In most areas, but not all, the sum of the REN's for all devices connected to one line should not exceed five (5.0). To be certain of the number of devices that you may connect to your line, you should contact your local telephone company.

If your equipment should cause harm to the telephone network, the telephone company may temporarily disconnect your service. If possible, they will notify you in advance that temporary discontinuance of service may be required. However, when advance written notice is not possible, the telephone company may temporarily discontinue service without notice if such action is necessary under the circumstances. The telephone company may make changes in its communication 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 of the Federal Communications Commission.

Do not attempt to repair or modify this equipment.

Warning: Changes or modifications not expressly approved by the party responsible for its compliance could void the user's authority to operate the equipment.

Some cordless telephones operate at frequencies that may cause interference to nearby TV's and VCR's. To minimize or prevent such interference, the base of the cordless telephone should not be placed on or near a TV or VCR. If interference is experienced, moving the cordless telephone farther away from the TV or VCR will often reduce or eliminate the interference.

This equipment should not be used on coin telephone lines. Connection to party line service is subject to state tariffs. If trouble is experienced, disconnect this equipment from the telephone line to determine if it is causing the malfunction. If the equipment is determined to be malfunctioning, its use should be disconnected until the problem has been corrected.

FCC Requirements

Federal Communications Commission Requirements (continued)

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 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 of the following measures.

1. Reorient or relocate the receiving antenna.
2. Increase the distance between the equipment and the receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help.

IMPORTANT

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

Warranty

Warranty Information

BellSouth Products

One-Year Limited Warranty

This limited warranty sets forth all **BellSouth Products** responsibilities regarding your product. There are no other expressed or implied warranties from **BellSouth Products**.

Warranty Service Provided

If you purchased the new telephone from a retail vendor, **BellSouth Products** warrants the telephone against defects in material and workmanship for a period of one (1) year from the original date of purchase. This warranty is in lieu of all other express warranties. This warranty begins when you purchase the telephone and continues for one (1) year unless you sell or rent the telephone, in which case the warranty stops.

BellSouth Products disclaims any implied warranty, including the warranty of merchantability and the warranty of fitness for a particular purpose, as of the date of 90 days from your original purchase of the telephone. **BellSouth Products** assumes no responsibility for any special, incidental, or consequential damages.

This warranty gives you specific legal rights and you may have other rights which vary from state to state. Some states do not allow the exclusion or limitations of special, incidental or consequential damages, or limitations on how long a warranty lasts, so the above exclusion and limitation may not apply to you.

Warranty Service Not Provided

This warranty does not cover damage resulting from accident, misuse, abuse, improper installation or operation, lack of reasonable care, unauthorized modification, the affixing of any attachment not provided by **BellSouth Products** with the telephone and/or loss of parts. This warranty is voided in the event any unauthorized person opens, alters or repairs the telephone. All **BellSouth** equipment being returned for repair must be suitably packaged. Telephone companies use different types of equipment and offer various types of services to customers. **BellSouth Products** does not warrant that this telephone is compatible with the type of equipment of any particular telephone company or the services provided by it.



Warranty

What to Do for Warranty Service

During the first thirty (30) days, a defective product is eligible for over-the-counter exchange at the retailer from whom it was purchased. After thirty (30) days, the defective product should be returned to the authorized service center. Please allow 2-3 weeks for the return of your telephone product. The shipping address of the authorized service center is:

U.S. Electronics Service Center
105 Madison Avenue
New York, NY 10016

NOTE: A product received which was not made for **BellSouth Products** or which is not defective as determined by our test procedures will not be repaired and will be returned C.O.D., freight

To Obtain Warranty Service

- Provide proof of the date of purchase within the package.
- Prepay all shipping costs to the authorized service center.
- Include a return shipping address within the package.

Please retain your sales receipt, the carton, the packing materials, and the printed material. The original carton is the best shipping container for the telephone should you have to return it.

For your reference:

Serial number _____

Date of Purchase _____

Name of Dealer _____

Customer Service Telephone Number:

1-800-210-8950

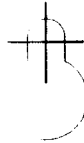
OUTSIDE THE U.S.A. CALL 1-212-242-6978



Notes



Wall Mount Template



This page serves as a template for attachment of screws to the wall when mounting this telephone on the wall.

1. Cut out this page.
2. Use this template to determine the distance between screws when mounting this phone on the wall.
The two cross hairs identify where to attach the screws.



IMPORTANT

In order to get maximum life from the **HANDSET** battery pack, be sure to charge the **HANDSET** for 12 hours before initial use.

IMPORTANT

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

IMPORTANT

When you hear interference, press the **scan** button to change the operating channel.

IMPORTANT

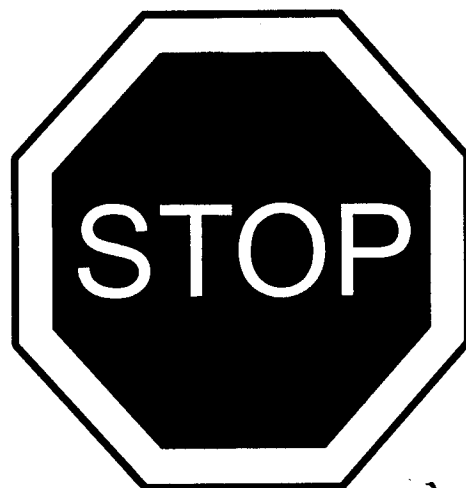
The AC ADAPTOR must always be plugged into an electrical outlet.

IMPORTANT

To obtain the best reception, be sure to raise or reposition the **BASE UNIT** antenna.

IMPORTANT

If you live in an area which gets frequent thunderstorms, we strongly recommend plugging your AC adaptor into a surge protector.



**Make certain you receive the best
performance from your telephone.
Read this manual first.**

 **BELLSOUTH**

MH9034A

Made in China