




77 CHANNEL AUTOHOP

OWNER'S MANUAL INSTALLATION AND OPERATING INSTRUCTIONS



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Special Features

Congratulations on your selection of a quality **BellSouth Product**. With proper care and adherence to the set-up and user instructions in this Owner's 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:

Digital Spread Spectrum Technology - Utilizes a "wider frequency band" for a more secure conversation with a clarity of digital sound, extended range, and minimal interference from other cordless telephone.

77 Channel Auto-hop - When interference is received, the telephone automatically hops to the clearest channel.

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 (push-button) or PULSE (rotary) dialing.

Automated Functions - Redial the last number called and automatic STANDBY mode.

Security - Ensures greater privacy because of a built-in security code with 4,000,000 possible combinations that prevents use of your telephone line by another nearby cordless phone.

Special Services - Use the **EDIT/FLASH** button to access special services such as Call Waiting supplied by your telephone company or company switchboard.

STANDBY Mode - When in STANDBY mode (ON-HOOK), the phone is capable of receiving a call. 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 - Recharge your BATTERY PACK many times with the built-in CHARGER. Once fully charged, in STANDBY mode, the **HANDSET** can receive/send calls for a maximum of five days without the need for recharging. Length of charge depends on frequency of use.

Luminous LCD Screen - The LCD Screen emits light for 5 seconds everytime you press any of the TELEPHONE KEYPAD button.

HANDSET Ringer Level - Select the ringer sound level (HI, LOW, OFF).

HANDSET Ringer Melody - Select the desired ringer melody from the 10 available melodies.

HANDSET Volume Control - Press the **VOL/MENU** button and then select the desired receiver volume setting from Low, Medium, High, or Maximum.

Alarm Clock - The telephone emits a distinctive sound when the ALARM CLOCK function is activated (See page 27).

HEADSET JACK - Your telephone can utilize a headset for hands-free communication.

BELT CLIP - Use the BELT CLIP to hang your **HANDSET** on your belt.

Special Features

Special Features

CALLER ID SYSTEM

Multi-Function Large LCD Screen - Shows the number you are dialing and, with Caller ID service available through subscription from your local telephone company, displays information about the caller before you answer the call.

Name and Number DIRECTORY (PHONE BOOK) - Stores up to 40 names and numbers so that you can call them with a single key stroke.

Caller List - Available with Caller ID service. Stores up to 50 calls to keep track of everyone who called. The name, phone number, time and date of the call are recorded. Allows you to return their calls with a few key strokes.

Outgoing Call Memory - The telephone stores the last 8 OUTGOING CALLS to keep track of the one you called. The name, phone number, time, date, and the duration of the call are recorded. Allows you to call them again with a single key stroke.

Preferred Calls - You can mark the name and number of a welcome caller in the DIRECTORY (PHONE BOOK). When that number calls in, the caller's name will appear on the LCD Screen and a special ring sound or the selected PREFERRED RINGER MELODY will be heard.

Blocked Calls - You can mark the name and number of an unwelcome caller in the DIRECTORY (PHONE BOOK). When that number calls in, the caller's name will appear on the LCD Screen and the ringer will be disabled.

Repeat Call Indicator - Shows if a new incoming call has called more than once.

Out of Area Call Indicator - Advises you that the incoming call is not in a Caller ID service area.


Unavailable Call Indicator - Advises you that the origin of the incoming call does not support the Caller ID system.

Call Waiting Service - Displays the name and number of the second caller, if you have subscribed for Call Waiting service from your local telephone company (see page 14.)

MULTI-HANDSET, MULTI-BASE UNIT SYSTEM

Multi-HANDSET - Registers a total of **9 HANDSETS** into the operating system.

Multi-BASE UNIT - The user can have the option to add another **BASE UNIT**. The system supports **2 BASE UNITS** connected to a separate telephone line. Once registered, the **HANDSETS** can open link to any of the **BASE UNITS** to make and/or receive a call.

Automatic Linking - All **9 HANDSETS** can register to the two **BASE UNITS (B1, B2)**. When the **FIRST BASE UNIT (B1)** is already engaged, the other **HANDSETS** can automatically open link to the **SECOND BASE UNIT (B2)** by pressing the  button.

Intercom Call - A **HANDSET** can make an INTERCOM call to the other **HANDSETS** in the system.

Call Transfer - During a telephone conversation, the call can be transferred from one **HANDSET** to another **HANDSET**.

Extension Phone Detection - When one **HANDSET** gets ON-HOOK, the LCD Screen of all the other **HANDSETS** linked to the same **BASE UNIT** will display *"Ext In Use."*

Special Features

HANDSET Controls

ANSWERING SYSTEM FEATURES

Fully Digital Answering System - Provides a full range of answering functions without using cassette tapes.

Digital Memory - Allows recording of memos and messages.

Two-Digit LED Message Display - Indicates the number of messages, indicates the status of the system.

Ring-Detection Selectable - Choose the number of times the telephone rings before the system answers.

Voice Day/Time Stamp - System tells the day and time of each received message or recorded memo.

Message Alert - The ability to generate a sound signal when new messages are recorded.

Call Screening - The ability to intercept a call when the unit is recording an incoming message (ICM).

Mailboxes - Allows four separate individuals to receive their own incoming messages.

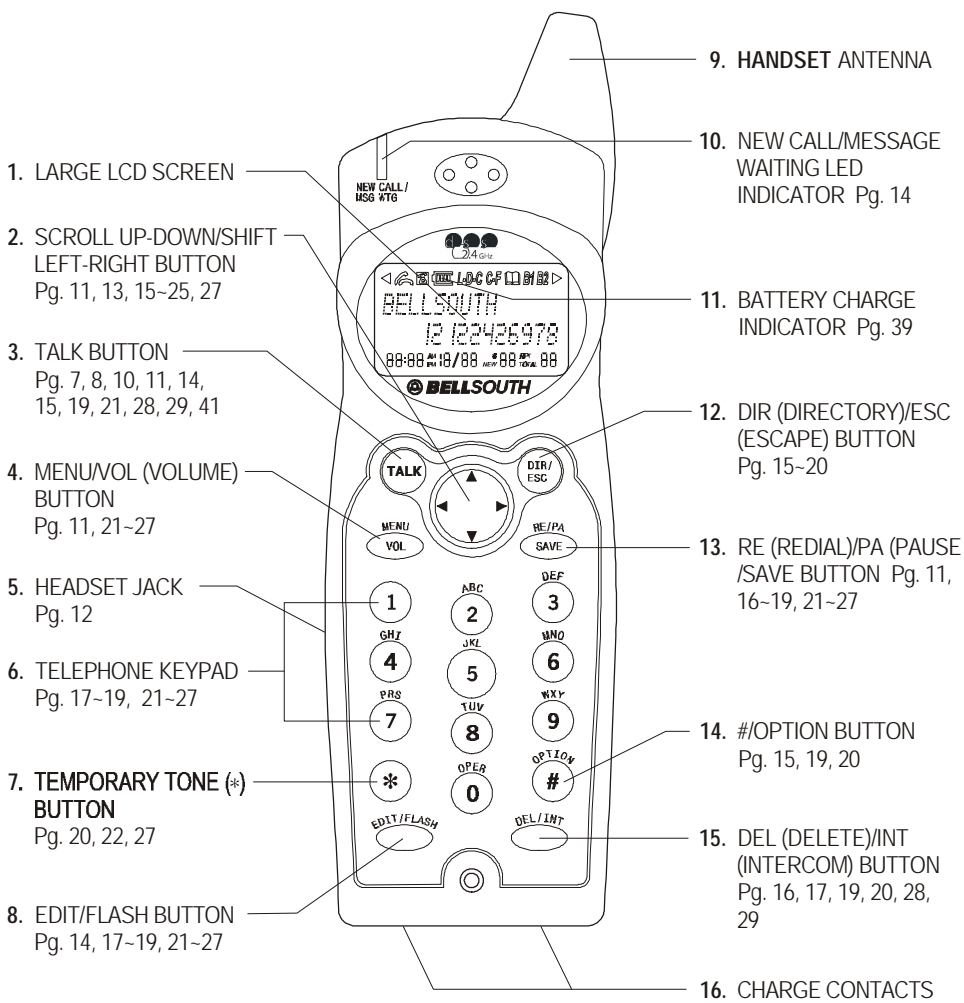
Auto Disconnection - Will automatically stop answering when the **HANDSET** of any phone on the same line goes OFF-HOOK.

Fast Message Skip Function - Skips to the next message.



SPEAKERPHONE FEATURE

Speakerphone - This telephone allows you to answer calls using the **BASE UNIT** through the speakerphone function.





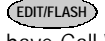





HANDSET Controls



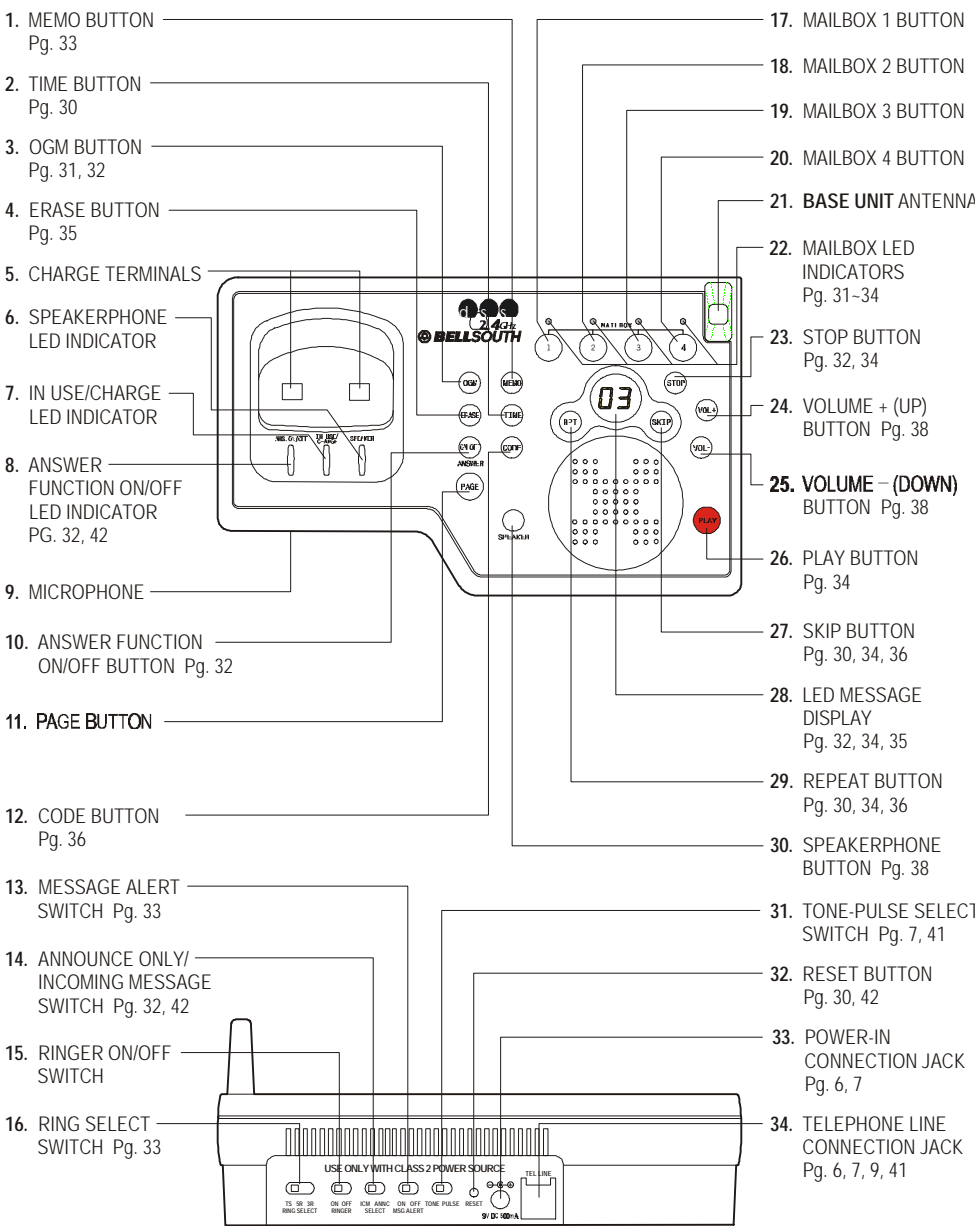
HANDSET Controls

- 1. **Large LCD Screen:** Shows call information, phone status, prompts, and DIRECTORY (PHONE BOOK) items.
- 2. **SCROLL UP-DOWN, SHIFT LEFT-RIGHT**  **Button:** Press to move around the large LCD Screen.
- 3.  **Button:** Press to answer an incoming call or to place a call. Press to end a call.









HANDSET Controls

4. **/MENU Button:** (VOLUME) During TALK mode, press to adjust the receiver volume to your comfortable listening level. (MENU) Press to access the special functions operation in STANDBY mode. (For special functions see pages 21-27.)
5. **HEADSET JACK:** For connecting your headset plug to enjoy hands-free communication. (See page 12 for detail.)
6. **TELEPHONE KEYPAD  to  Buttons:** Allows you to make a call depending on pressed button. (For TELEPHONE KEYPAD characters, see page 18.)
7. **TEMPORARY 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.)
8. ** Button:** (EDIT) Press to edit listed items. (FLASH) Press to answer a call if you have Call Waiting.
9. **HANDSET ANTENNA**
10. **NEW CALL/MSG WTG (MESSAGE WAITING) LED Indicator:** (NEW CALL) Blinks in RED color to indicate that you have a new Caller ID call stored in memory. (MESSAGE WAITING) Blinks in GREEN color when receiving a Message Waiting signal, if you have subscribed to a Voice Mail message service from your local telephone company. (See page 14.)
11. **BATTERY CHARGE INDICATOR:** Displays the battery charge condition in three status:
 - Battery Full (4 bars shown)
 - Low Battery Level (2 bars blinking), See page 39 for detail.
 - During Charging (4 bars growing)
12. ** DIRECTORY (PHONE BOOK) Button:** Press to access names and numbers stored in the DIRECTORY (PHONE BOOK). (See pages 16 to 20 for details.)
13. **/RE (REDIAL)/PA (PAUSE) Button:** (SAVE) Press and hold down to save the changes on the listed items. (REDIAL) Press to redial the last number you dialed. (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.)
14. **/OPTION Button:** (OPTION) Press to change the displayed telephone number to 7, 10, or 11 digit DIALING mode during Caller ID callback.
15. ** (DELETE/CHANNEL) Button:** (DELETE) - Press and hold down to delete items or individual characters. (INTERCOM) Press to make an INTERCOM CALL to another HANDSET.
16. **CHARGE CONTACTS:** For charging the BATTERY PACK inside the HANDSET. We recommend cleaning the CHARGE CONTACTS periodically with a damp cloth.











BASE UNIT Controls



BASE UNIT Controls

1.  **Button:** Press and hold down to record memo messages.
2.  **Button:** Press to set/check the day and time.
3.  **(OUTGOING MESSAGE) Button:** Press and hold down to record OGM messages.
4.  **Button:** Press to erase messages.
5. **CHARGE TERMINALS:** For charging the **HANDSET** BATTERY PACK. For best performance, clean the CHARGE TERMINALS periodically with a damp cloth.
6. **SPEAKERPHONE LED Indicator:** Lights up when the **BASE UNIT** speakerphone function is activated.
7. **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.
8. **ANSWER FUNCTION ON/OFF (ANS. ON/OFF) LED Indicator:** Lights when the answer function is turned ON.
9. **MICROPHONE**
10.  **(ANSWER FUNCTION ON/OFF) Button:** Press to activate or deactivate the answer function.
11.  **Button:** Press to PAGE the **HANDSET**. Press again to stop.
12.  **Button:** Press and hold to set the 3-digit Remote Access Code for remote operation.
13. **MESSAGE ALERT:** Set switch to ON to generate a "beep" sound every 12 seconds when a new message has been received.
14. **ANNOUNCE ONLY/INCOMING MESSAGE Switch:**
ICM - System records the incoming messages.
ANNC - System plays your announcement and then hangs up without recording messages.
15. **RINGER ON/OFF Switch:** Set switch to OFF position to disengage the ringer on the **BASE UNIT**.
16. **RING SELECT Switch:** To select the number of rings before the Answering System answers a call.
3R - System answers a call after the third ring.
5R - System answers a call after the fifth ring.
TS (TOLL SAVER) - System answers after the third ring only if you have new messages. Otherwise, the system will answer after the fifth ring.
17.  **(MAILBOX 1) Button:** Press to activate functions for MAILBOX 1.

BASE UNIT Controls

- 18.  **(MAILBOX 2) Button:** Press to activate functions for MAILBOX 2.
- 19.  **(MAILBOX 3) Button:** Press to activate functions for MAILBOX 3.
- 20.  **(MAILBOX 4) Button:** Press to activate functions for MAILBOX 4.
- 21. **BASE UNIT ANTENNA**
- 22. **MAILBOX LED Indicators:** Lights to indicate the presence of message(s) and blinks to indicate that the corresponding MAILBOX is active and ready to operate.
- 23.  **Button:** Press to stop playing a message.
- 24.  **(VOLUME UP) Button:** Press repeatedly to increase the speaker volume level of the **BASE UNIT**.
- 25.  **(VOLUME DOWN) Button:** Press repeatedly to decrease the speaker volume level of the **BASE UNIT**.
- 26.  **Button:** Press to play messages.
- 27.  **Button:** Press to skip messages.
- 28. **LED MESSAGE DISPLAY:** Indicates the number of memos/messages received, status of the system.
EA - Erasing 01-63 - No. of memos/messages OP - OGM is playing
Ao - Announce Only FU - Memory is full PA - Pause
- 29.  **Button:** Press to repeat messages.
- 30.  **Button:** Press to PAGE all the **HANDSETS** enrolled in the system. Press again to stop.
- 31. **TONE-PULSE SELECT SWITCH**
- 32. **RESET Button:** Press and hold down for 2 seconds to reset the system and clear all recordings.
- 33. **POWER-IN CONNECTION JACK**
- 34. **TELEPHONE LINE CONNECTION JACK**



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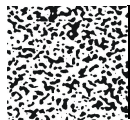
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Safety Instructions

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 telephone.
3. Do not use this telephone near a bathtub, wash bowl, kitchen sink, or laundry tub, in a wet basement, near a swimming pool, or anywhere else where there is water.
4. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
5. Do not use the telephone to report a gas leak in the vicinity of the leak.
6. Use only the power cord and BATTERY PACK indicated in the Owner's Manual. Do not dispose of the BATTERY PACK in a fire. The BATTERY PACK may explode. Check with local codes for possible special disposal instructions.
7. Operate this telephone using the electrical voltage as stated on the **BASE UNIT** or in the Owner's Manual. If you are not sure of the voltage in your home, consult your dealer or local power company.
8. Unplug this telephone from the wall outlet before cleaning or replacing the BATTERY PACK. Do not use liquid cleaners or aerosol cleaners on the telephone. Use a damp cloth for cleaning.
9. Place this telephone on a stable surface. Serious damage and/or injury may result if the telephone falls.
10. Do not cover the slots and openings on this telephone. This telephone should never be placed near or over a radiator or heat register. This telephone should not be placed in a built-in installation unless proper ventilation is provided.
11. Do not place anything on the power cord. Install the telephone where no one will step or trip on the cord.
12. Do not overload wall outlets or extension cords as this can increase the risk of fire or electric shock.
13. Never push any objects through the slots in the telephone. 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 telephone.
14. To reduce the risk of electric shock, do not take this telephone apart. If service or repair work is required on this telephone, 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 subsequently used.
15. Unplug this telephone 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 telephone.
 - C. If the telephone has been exposed to rain or water.
 - D. If the telephone does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions. Improper adjustment may require extensive work by a qualified technician to restore the telephone to normal operation.



Safety Instructions

- E. If the telephone has been dropped or the case has been damaged.
- F. If the telephone exhibits a distinct change in performance.
- 16. Never install telephone wiring during a lightning storm.
- 17. Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.
- 18. Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
- 19. Use caution when installing or modifying telephone lines.

Battery Safety

CAUTION:

Danger of explosion if BATTERY PACK is incorrectly replaced. Replace only with the same or equivalent type. 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, 800mAh
U.S. Electronics Inc.
Ni-Cd BATTERY PACK: model BXXX
(See page 39 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 from a BATTERY PACK is corrosive and may cause damage to the eyes or skin. Electrolyte may be toxic if swallowed.
4. Exercise care in handling the BATTERY PACK to prevent shorting the BATTERY PACK 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 telephone only in accordance with the instructions and limitations specified in this manual.
6. Observe proper polarity orientation between the BATTERY PACK and BATTERY CHARGER.

SAVE THESE INSTRUCTIONS

ATTENTION:

The telephone 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.



FCC Requirements

Federal Communications Commission Requirements

This equipment complies with Part 68 of the FCC Rules. A label on the **BASE UNIT** of this equipment contains, among other information, the ACTA Product 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 RENs 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 advanced 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 TVs and VCRs. To minimize or prevent such interference, the **BASE UNIT** 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.

IMPORTANT

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



FCC Requirements

Federal Communications Commission Requirements (continued)

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 discontinued until the problem has been corrected.

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 or more 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.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

EXPOSURE TO RADIO FREQUENCY ENERGY.

The design of your BELLSOUTH Cordless Phone, which generates Radio Frequency (RF) Electromagnetic Energy (EME), complies with the following national and international standards and guidelines.

The Relevant Guidelines and Standards are:

- FCC Report and Order FCC 96-326 (August, 1996)
- American National Standards Institute (C95-1-1992)
- National Council Radiation Protection and Measurements (NCRP-1986)
- International Commission on Non-Ionizing Radiation Protection (ICNIRP-1998)