

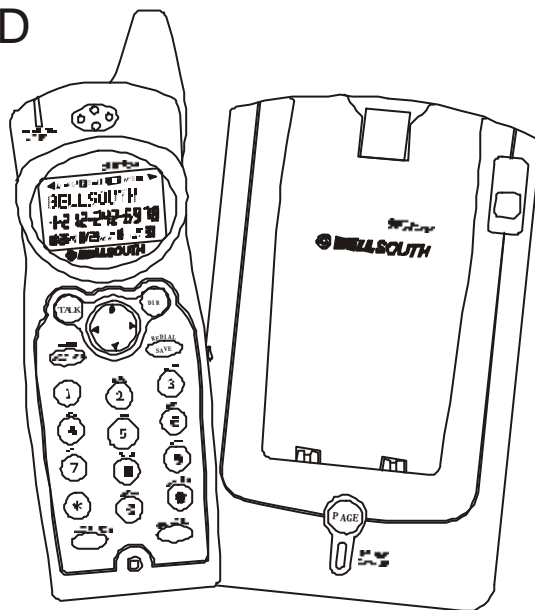


# 900 MHz CORDLESS CALLER ID TELEPHONE WITH CALL WAITING 40 CHANNEL AUTOSCAN

Model MH9110

## OWNER'S MANUAL INSTALLATION AND OPERATING INSTRUCTIONS

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



*For installation information, please  
see "Getting Started" instructions  
on page 5 or your separate  
Quick Start guide.*



## *Special Features*

**C**ongratulations 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** - Receives considerably less noise than conventional cordless telephones because of a special circuit which delivers the clearest possible reception.

**40 Channel Autoscan** - Press the **DEL/CHAN** button on the **HANDSET** to find and lock on to the clearest channel for any call.

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

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

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

**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 27).

**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 telephone 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 .

**Battery Power Saver** - 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 10 seconds every time you press any of the TELEPHONE KEYPAD buttons.

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

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



## *Special Features*



**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.

### **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** - 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 80 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 single key stroke.

**Preferred Calls** - You can mark the name and number of a welcome caller in the DIRECTORY. When that number calls in, the caller's name will appear on the DISPLAY and a special ring sound will be heard.

**Blocked Calls** - You can mark the name and number of an unwelcome caller in the DIRECTORY. When that number calls in, the caller's name will appear on the DISPLAY and the ringer will be disabled.

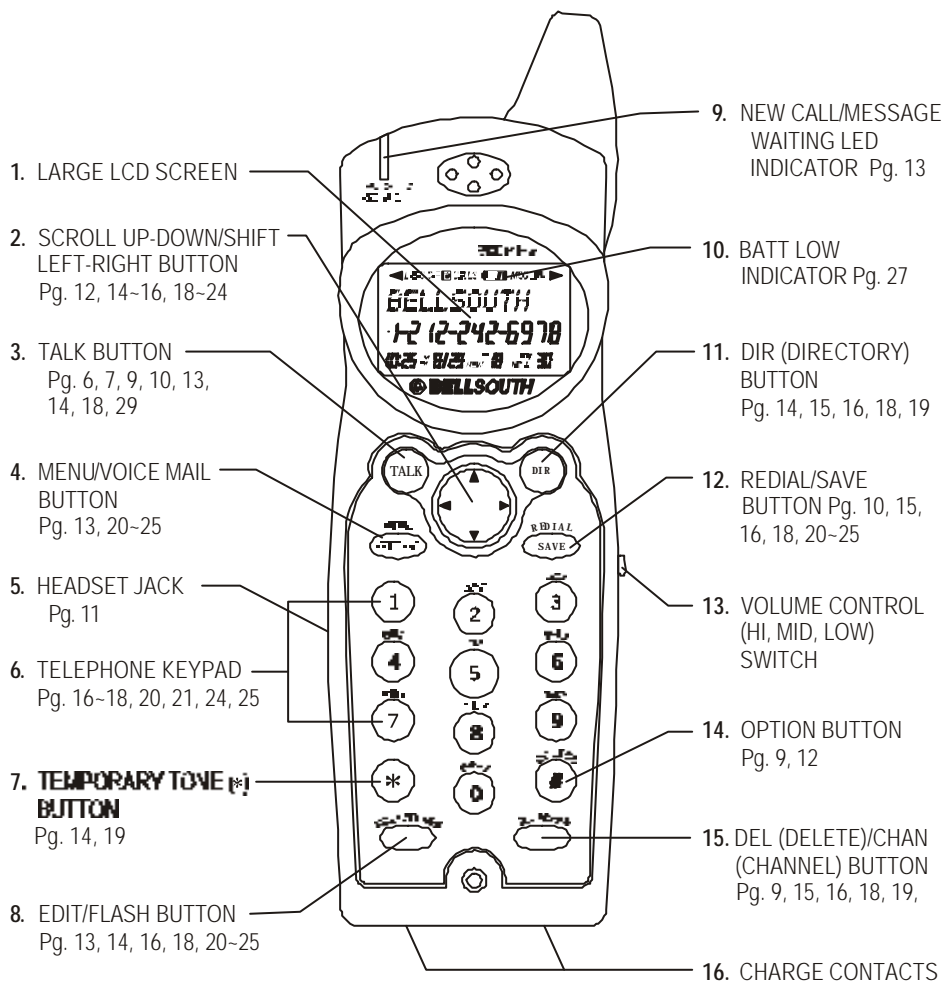
**Repeat Call Indicator** - Shows if a new incoming call has called more than once.

**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 13).

**Voice Mail** - Indicates message waiting signal if you subscribed to Voice Mail message service and requested Visual Message Indication from your local telephone company (see page 13). This telephone also detects a Stutter Dial Tone signal every time there is a Voice Mail message for you from your Voice Mail message provider if you have subscribed to Voice Mail message service.







# HANDSET Controls



## HANDSET Controls

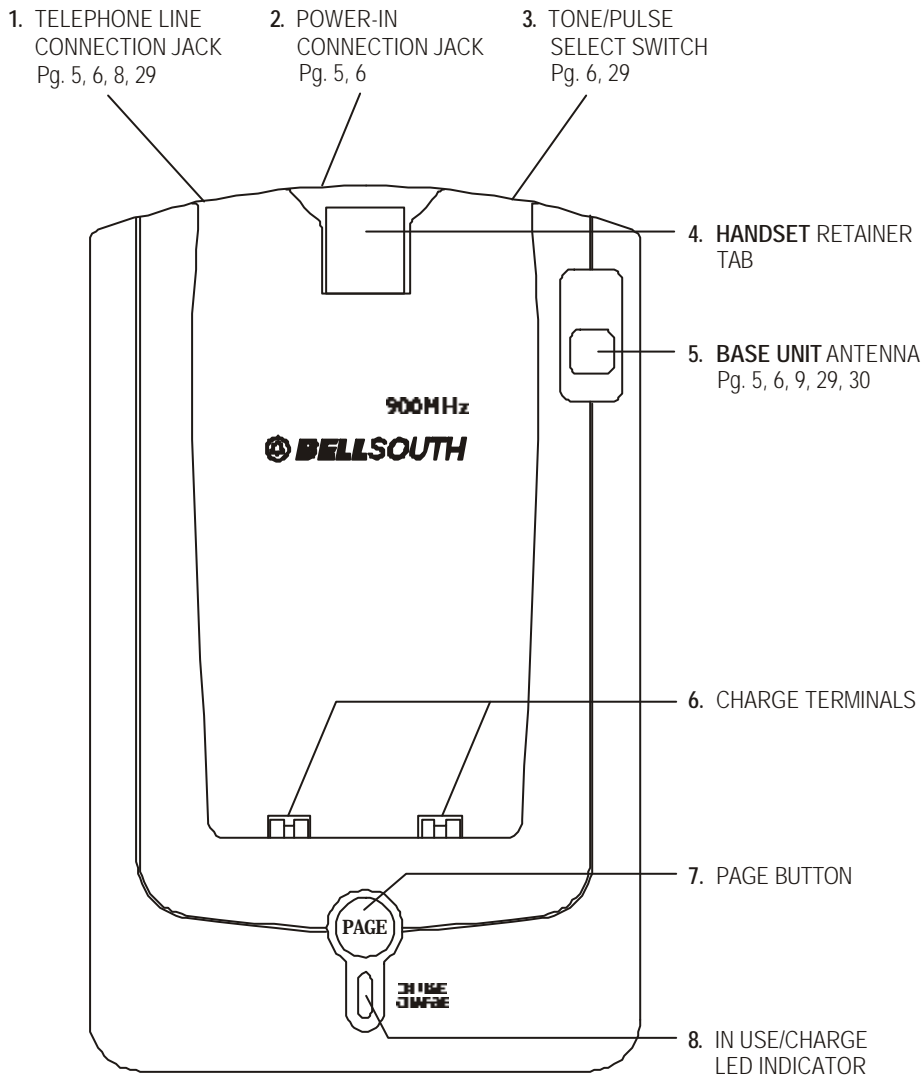
1. **Large LCD Screen:** Shows call information, phone status, prompts and directory items.
2. **SCROLL UP▲ -DOWN▼, SHIFT LEFT◀ -RIGHT▶ Button:** Press to move around the large LCD Screen.
3. **TALK Button:** Press to answer an incoming call or to place a call. Press to end a call

## HANDSET Controls

4.  **/VOICE MAIL Button:** (MENU) Press to access the special functions operation in STANDBY mode. (For special functions see page 20~21.) (VOICE MAIL) Press to automatically dial the Voice Mail Post Code in your area to access your Voice Mail message.
5. **HEADSET JACK:** For connecting your headset plug to enjoy hands-free communication. (See page 11 for detail.)
6. **TELEPHONE KEYPAD Buttons:** Allows you to make a call depending on pressed button. (For TELEPHONE KEYPAD characters, see page 17.)
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. **EDIT/FLASH Button:** (EDIT) Press to edit listed items. (FLASH) Press to answer a call if you have Call Waiting.
9. **NEW CALL/MSG WTG (MESSAGE WAITING) LED Indicator:** (NEW CALL) Blinks to indicate that you have a new Caller ID call stored in memory. (MESSAGE WAITING) Blinks at a slow rate when receiving a Message Waiting signal, if you have subscribed to a Voice Mail message service from your local telephone company. (See page 13.)
10. **BATT LOW INDICATOR:** Appears on the LCD Screen when the battery charge is low. (See page 27 for detail.)
11.  **(DIRECTORY) Button:** Press to access names and numbers stored in the DIRECTORY. (See pages 16 to 19 for details.)
12.  **/REDIAL 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  **/REDIAL** button to dial numbers which use an alternative Long Distance Access Code.)
13. **HANDSET Volume Control (hi, mid, low) Switch:** Select the receiver volume level (HI, MID, LOW).
14.  **/OPTION Button:** Press to change the displayed number to form 7, 10 or 11 digits during Caller ID callback.
15. **DEL(DELETE)/CHAN (CHANNEL) Button:** (DELETE) - Press and hold down to delete items or individual characters. (CHANNEL) Press to change the operating channel when you hear interference.
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. **TELEPHONE LINE CONNECTION JACK**
2. **POWER-IN CONNECTION JACK**
3. **TONE/PULSE Select Switch**
4. **HANDSET Retainer Tab:** For holding the **HANDSET** to rest securely in the **BASE UNIT** CRADLE during wall mounting.
5. **BASE UNIT ANTENNA**
6. **CHARGE TERMINALS:** For charging the **HANDSET** BATTERY PACK. For best performance, clean the CHARGE TERMINALS periodically with a damp cloth.
7.  **Button:** Press to page the **HANDSET**.
8. **IN USE/CHARGE LED Indicator:** (IN USE) Lights up to indicate that the **HANDSET** is in TALK mode and blinks when an extension telephone is in use. (CHARGE) Lights up when the **HANDSET** is placed on the **BASE UNIT** for charging.

## **IMPORTANT**

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



# Contents

Safety Instructions.....	3
Getting Started.....	5
Desk Mounting.....	8
Wall Mounting.....	8
Cordless Telephone Operation.....	9
Preparing for Use.....	9
Receiving Calls.....	9
Placing Calls.....	10
Redialing.....	10
Extension Phones.....	11
Using the Headset Feature.....	11
Caller ID System Operation.....	12
Caller ID System.....	12
Viewing Caller Information During Incoming Calls.....	12
Caller ID with Call Waiting.....	13
Message Waiting.....	13
One-Touch Voice Mail Dialing.....	13
Caller List.....	14
Viewing the Caller List.....	14
Placing a Call from the Caller List.....	14
Storing Caller ID Records into the DIRECTORY.....	15
To Delete a Single Record in the Caller List.....	15
To Delete all Records in the Caller List.....	15
Name and Telephone Number DIRECTORY.....	16
Viewing the DIRECTORY (Phonebook).....	16
Storing Phone Numbers.....	16
Telephone Keypad Characters.....	17
Placing Calls from the DIRECTORY.....	18
Editing a Stored Number in the DIRECTORY.....	18
Deleting a Stored Number in the DIRECTORY.....	19
Preferred Calls.....	19
Blocked Calls.....	19



# Contents

Function Settings.....	20
A. Setting the Ringer Level.....	21
B. Changing the Language.....	21
C. Turning the First Ring ON or OFF.....	22
D. Setting the Time and Date.....	22
E. Adjusting the Contrast.....	23
F. Setting the PBX Number.....	23
G. Changing the Flash Time.....	23
H. Changing the Pause Time.....	24
I. Programming One-Touch Voice Mail Dialinbg.....	24
J. Deleting Message Waiting Indication.....	25
K. Setting the Area Code.....	25
Security.....	26
Recharging the BATTERY PACK.....	27
Changing the BATTERY PACK.....	28
Problem Solving.....	29
Technical Information.....	30
FCC Requirements.....	31
Warranty Information.....	33
Wall Mount Template.....	37



## 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, 600mAh  
U.S. Electronics Inc.  
Ni-Cd BATTERY PACK: model B650  
(See page 27 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 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.



## Getting Started

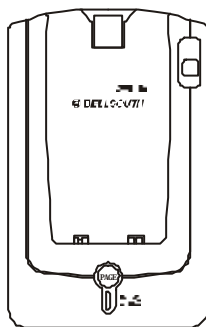
### Connecting Your Phone

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.

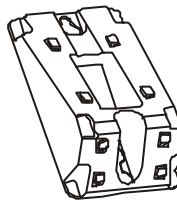
1. Carefully remove your cordless telephone from its shipping carton. If there is any visible damage, do not attempt to operate this equipment. Return it to the place of purchase.
2. Check to be sure you have all items that come with this cordless telephone system. You should have a **HANDSET**, **BASE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



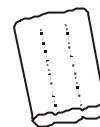
HANDSET



BASE UNIT



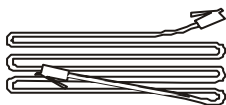
MOUNTING BRACKET



BATTERY PACK



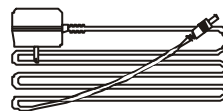
BELT CLIP



TELEPHONE LINE CORD



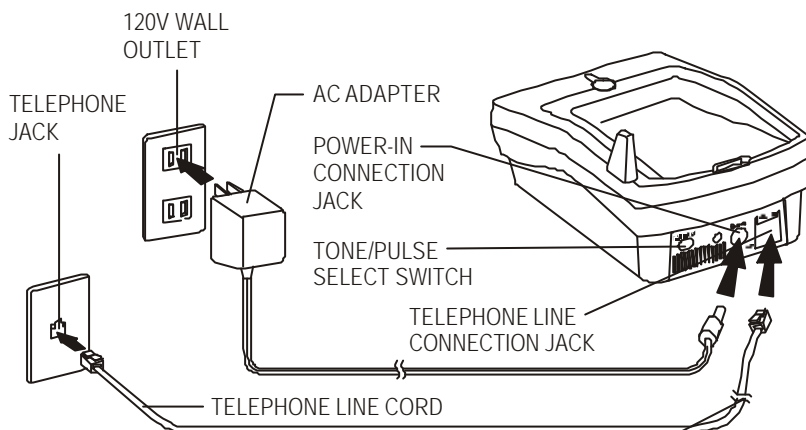
SHORT TELEPHONE LINE CORD





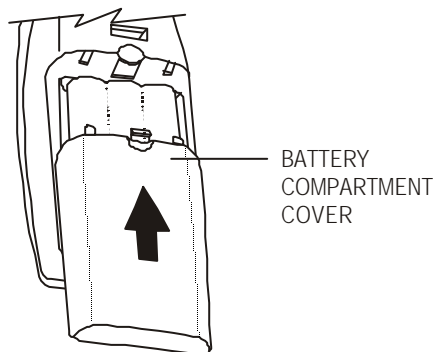
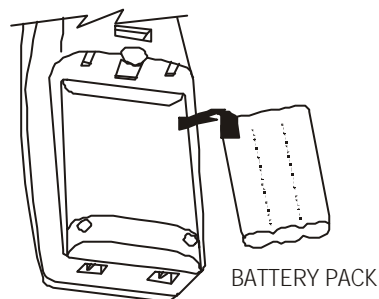
AC ADAPTOR

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. Place the **HANDSET BATTERY PACK** into the **BATTERY COMPARTMENT** with the **TERMINAL PLATES** facing the **CONTACT SPRINGS** in the **BATTERY COMPARTMENT**.
8. Slide the **HANDSET BATTERY COMPARTMENT COVER** firmly into place in its closed position.
9. **IMPORTANT: Before initial use, charge the HANDSET for 12 hours.**
10. **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 the **PULSE** position.
  - C. If you are not sure which system you have, set the **TONE/PULSE Select Switch** to the **TONE** position. Press the  button on the **HANDSET** to get a dial tone, and press any button on the **TELEPHONE KEYPAD** except the zero. If the dial tone continues, it means that you do not have **TONE** dialing service. Press the  button on the **HANDSET** to hang up. Set the **TONE/PULSE Select Switch** to the **PULSE** mode and then try again.
11. Set the date and time on the **HANDSET**. (See page 22 for details.)





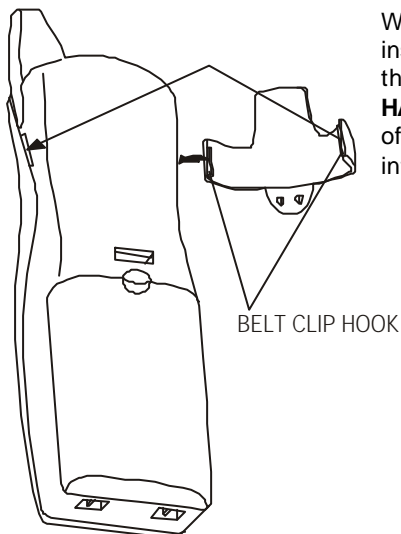
## Getting Started



Press the  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 page 29.

### ***Belt Clip Installation***

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**.



***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° and 60° when desk mounting. There are three 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 (with the position as shown in Figure 3) into the upper four slots of the **BASE UNIT**. Then slide the MOUNTING BRACKET upward until it locks into place.

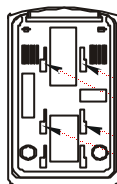


FIGURE 3

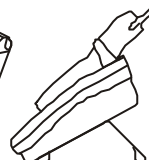


FIGURE 2

3. 60° POSITION (See Figure 4):

With the back of the **BASE UNIT** facing up, insert the hooks of the MOUNTING BRACKET (with the position as shown in Figure 5) into the lower four slots of the **BASE UNIT**. Then slide the MOUNTING BRACKET upward until it locks into place.

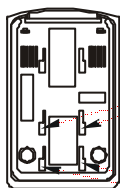


FIGURE 5

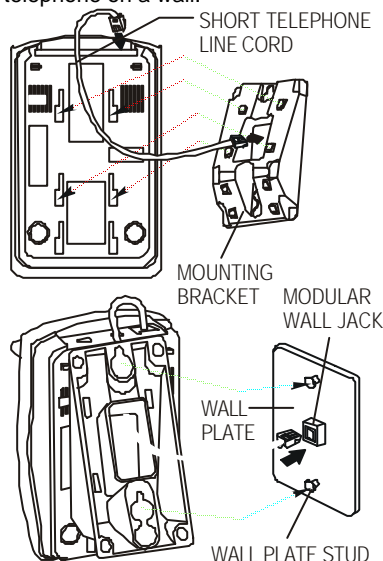


FIGURE 4

### 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 into the matching slots on the back of the **BASE UNIT** (following the arrow direction for the WALL MOUNT). Then slide the MOUNTING BRACKET until it locks into place. Plug the free end of the SHORT TELEPHONE LINE CORD into the MODULAR WALL JACK.
4. Align the upper keyhole of 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**.

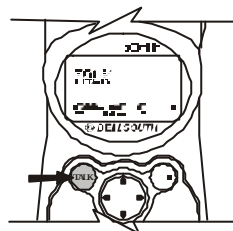
**Before you can use your cordless telephone, you must charge the HANDSET for 12 hours. Failure to do so will require more frequent charging of the BATTERY PACK. See page 27 for more information on the BATTERY PACK.**


#### NOTE:

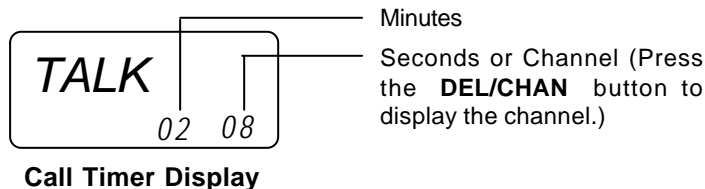
Depending on the frequency of use, once the **HANDSET** is fully charged, it remains functional for approximately 4 hours of continuous use and approximately 5 days when the **HANDSET** is off the **BASE UNIT** in **STANDBY** mode.

### Receiving Calls

1. When the phone rings, the display will show "RING." If you have Caller ID, the display will show the Caller ID information after the first ring.
2. With the **HANDSET** off the base, press the  button. The Call Timer starts to count.
3. To end your conversation, either press the  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  button.





### IMPORTANT

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





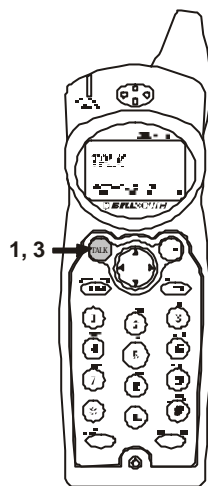
# Cordless Telephone Operation

## Placing Calls





1. Press the  button, the Call Timer starts to count.
2. Wait until you hear a dial tone and then dial the phone number.
3. When you have finished your call, press the  button again or place the **HANDSET** on the **BASE UNIT**.

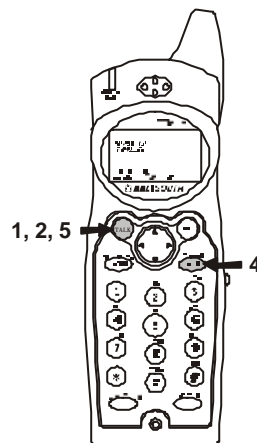
OR

1. Dial the phone number.
2. Press the  button. The number displayed will be dialed.
3. When you have finished with your call, press the  button again or place the **HANDSET** on the **BASE UNIT**.



## Redialing

1. If you get a busy tone, press the  button or place the **HANDSET** on the **BASE UNIT** to hang up.
2. Later, press the  button again.
3. Listen for a dial tone.
4. Press the  **SAVE / REDIAL** button. This will automatically redial the last telephone number you called.
5. When you have finished with your call, press the  button again or place the **HANDSET** on the **BASE UNIT**.



### 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.*



## Cordless Telephone Operation

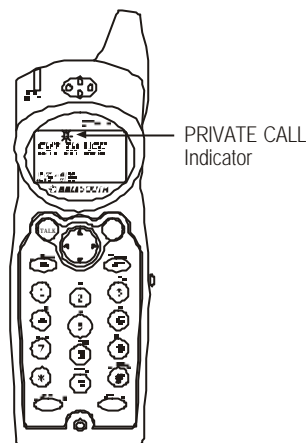
### Extension Phones

Extension telephones can be connected. When an extension phone is being used, the display will show “EXT IN USE” and the Private Call indicator will blink on the LCD screen. You will have to wait until the line is free to make a call.

If, during a telephone conversation, the **BASE UNIT** IN USE LED indicator begins to blink, an extension phone has gone off-hook.

**NOTE:**

*If the telephone line cord is not connected to the wall jack and the TELEPHONE LINE CONNECTION JACK, the display will also show “EXT IN-USE.”*



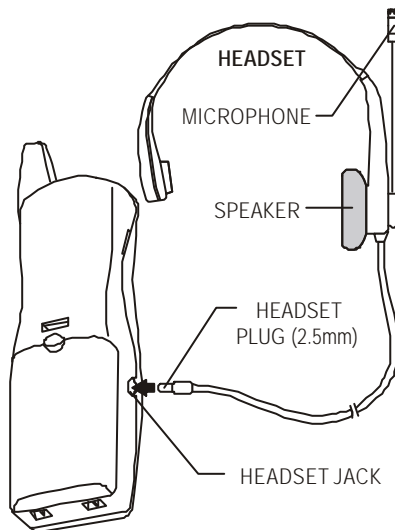
### Using the Headset Feature

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 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” to receive and place a call.

**NOTE:**

*When you plug 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.

# Caller ID System Operation

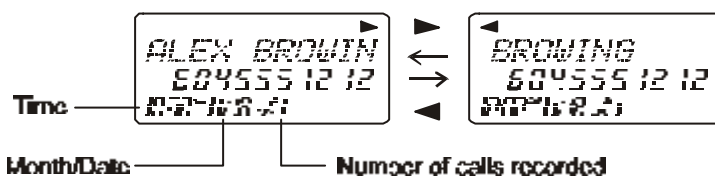
## Caller ID System

This telephone automatically displays an incoming caller's name and telephone number together with the date and time of the call. It records up to 80 calls and stores the data in Memory.

**IMPORTANT:** You must subscribe to the Caller ID service from your local telephone company to utilize this feature.

### Viewing Caller Information During Incoming Calls

1. When there is an incoming call, the name and the telephone number of the caller will automatically appear after the first ring. Press the SHIFT RIGHT ► button to view a name of more than 11 digits.



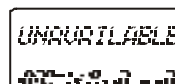
OR

Caller's telephone number will appear if the caller's name is not available.



OR

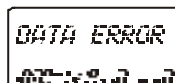
"UNAVAILABLE" will appear when Caller ID information is not available. The origin of the call does not support the Caller ID system (including international calls).



OR

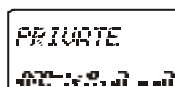
"DATA ERROR" will appear when the Caller ID information was received incorrectly or only part of the data was received.

*NOTE: When an error is received, none of the data from this call is saved in memory.*



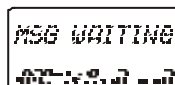
OR

"PRIVATE" will appear if the caller's name and/or telephone number is blocked.



OR

"MSG WAITING" will appear when a Voice Mail Message has been received and is stored by Message Waiting service provided by the telephone company.






## Caller ID System Operation

### Caller ID with Call Waiting

When you subscribe to Call Waiting service from your local telephone company, this telephone will display the name and number of the second caller while you are having a conversation with the first caller.

When a new call comes in while you are talking, you will hear a notification beep from the **HANDSET** and the volume is momentarily muted. The new caller's name and phone number, if available, appears on the display. An "L2" in the lower right corner icon indicates the call waiting caller ID caller so you can keep track of who you are talking to.



1. When you receive a "Call Waiting" call and you want to connect the call, press the **EDIT/FLASH** button. The active call will be placed on hold.
2. Press the **EDIT/FLASH** button to alternate between calls.
3. Press the  button to end the call or place the **HANDSET** on the **BASE UNIT**.



### "MSG WAITING" (Message Waiting)

The Message Waiting LED indicator will blink when there is a message for you from your telephone company if you have subscribed to Voice Mail message service and if you have requested Visual Message Indication from your local telephone company. "MSG WAITING" will appear on the LCD Screen in **STANDBY** mode. (To remove the MSG WAITING indicator, see page 25 for detail.)

**Note:** This function requires voice mail subscription from the local telephone company. Furthermore, the local phone company must provide a type of voice mail signaling called "FSK" (Frequency Shift Key). Not all telephone companies have the visual message waiting feature available. Please contact your local telephone company to check if this is available in your area.

### One-Touch Voice Mail Dialing

When the setting is programmed in the Functions menu (see "Programming One-Touch Voice Mail Dialing" on page 24) you can dial out a programmed number at the touch of a button. This feature is specifically designed to easily check voice mail when you have that service through your telephone company.

1. Press the  button to access the telephone line.
2. Press the  **VOICE MAIL** button.
3. The phone will automatically dial the number.

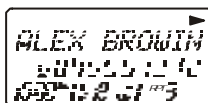
# Caller ID System Operation


## Caller List

This phone automatically stores the last 80 calls received. It records call information such as caller's name and telephone number together with the date and time of the call. The NEW CALL LED indicator will blink to indicate that you have a new Caller ID call stored in memory.

### Viewing the Caller List


1. With the handset is in the STANDBY mode, press the SCROLL UP ▲ or DOWN ▼ button.
2. Any unviewed (new) calls will be displayed first. The most recent call will be displayed. The information on the call will be displayed with the name, number, date, and time that the call was received.





3. To scroll to the next call, press the SCROLL UP ▲ or DOWN ▼ button. Pressing the SCROLL DOWN ▼ button will go through the calls from the last call received to the first. Pressing the SCROLL UP ▲ button will allow you to view the calls from the first call received to the last.
4. If the name or number is more than 11 characters, press the SHIFT RIGHT ► or LEFT ◀ button to view the rest of the display (as indicated by the arrows in the top line of the display).
5. Press the  button to return to the STANDBY mode.




### Placing a Call from the Caller List

You can place a call from the Caller list by using the Caller ID callback feature.

1. Press the SCROLL UP ▲ or DOWN ▼ button to find the record you wish to call back.
2. Press the /option button to change the displayed number to form 7, 10 or 11 digits. The first dialing option displayed is the 11 digits for long distance call.

Press the /option button for the second time, the displayed number will change into 7 digits for local call.


Press the /option button for the third time, the displayed number will change into 10 digits for local call with area code.

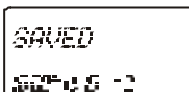
3. Press the  button to dial out the displayed number.
4. Press the  button to cancel dialing.
5. To end the call, either press the  button or place the **HANDSET** on the **BASE UNIT**.




## Caller ID System Operation

### Storing Caller ID Records into the Directory

1. Press the SCROLL UP ▲ or DOWN ▼ button to find the record you wish to store into the directory.
2. Press and hold the  button.
3. The display will show "SAVED."



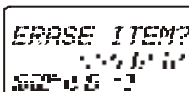
4. If you wish to edit the newly stored number, edit it in the phone book (page 18, "Editing a Stored Number").
5. Press the  button to return the **HANDSET** to STANDBY mode.

### Deleting Caller ID Records

When viewing the Caller ID information you can delete a single call record or all the call records.

#### To Delete a Single Record

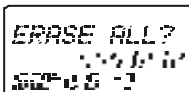
1. Press the SCROLL UP ▲ or DOWN ▼ button to find the record you wish to delete.
2. Press the **DEL/CHAN** button. The LCD screen will prompt "ERASE ITEM?"



3. To delete the record, press the **DEL/CHAN** button. The LCD screen will show "ERASED."
4. Press the  button to exit the Caller ID log.

#### To Delete All Records

1. Press the SCROLL UP ▲ or DOWN ▼ button.
2. Press and hold the **DEL/CHAN** button. The LCD screen will prompt "ERASE ALL?"











3. To delete all the Caller ID records, press the **DEL/CHAN** button. The LCD Screen will show "ALL ERASED" and then return to the STANDBY mode.

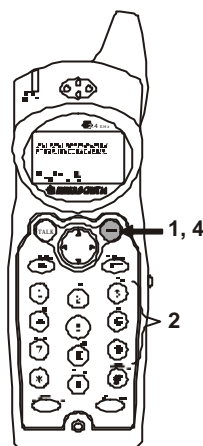
## Caller ID System Operation

### Name and Telephone Number DIRECTORY










This directory lets you scroll through the list to find the person you need for one touch dialing. You can store up to 40 names and telephone numbers in the Memory.

#### Viewing the Directory (Phonebook)



1. Press the  button.
2. Press a TELEPHONE KEYPAD ( to ) which corresponds to the first letter of a name (a triple beep will sound if no entries are stored under those letters). Press the SCROLL UP  or DOWN  button to find the record you wish to view.
3. If the name or number is more than 11 characters, press the SHIFT RIGHT  or LEFT  button to view the rest of the display (as indicated by the arrows in the top line of the display).
4. Press the  button to exit the directory, or let the directory time out.



#### Storing Phone Numbers

1. With the **HANDSET** in the STANDBY mode, press the  button.
2. Press the **EDIT/FLASH** button to create a new phone book entry.
3. Enter the name you wish to store using the TELEPHONE KEYPAD ( to ) buttons to enter the name, (see page 17 for detail) you can store up to 15 letters. To move the cursor to the right, such as to enter a new letter, press the SHIFT RIGHT  button.
4. Press the SCROLL DOWN  button, and dial the telephone number you wish to store using the TELEPHONE KEYPAD ( to  buttons. You can store up to 16 digits. Press the /REDIAL button to insert a pause into the number.
5. Press the  button to store the number into memory.

#### NOTES:

1. If there are no memory locations left in the speed dial directory the LCD screen will display "MEMORY FULL." To continue with memory programming, you must delete or edit existing speed dial numbers.
2. If you mis-type entering the phone number, you can move through the number and edit it by pressing the SHIFT RIGHT  or LEFT  button. To delete a character or number inside the cursor, press the **DEL/CHAN** button.



## Caller ID System Operation






### Telephone Keypad Characters

The TELEPHONE KEYPAD buttons are used to enter characters when entering names and numbers. Press the appropriate TELEPHONE KEYPAD button to get the following characters.

Keypad Buttons	1st Press	2nd Press	3rd Press	4th Press	5th Press	6th Press	7th Press	8th Press	9th Press
1	Space	1	&	'	(	)	.	Space	1
2	A	B	C	a	b	c	2	A	B
3	D	E	F	d	e	f	3	D	E
4	G	H	I	g	h	i	4	G	H
5	J	K	L	j	k	l	5	J	K
6	M	N	O	m	n	o	6	M	N
7	P	Q	R	S	p	q	r	s	7
8	T	U	V	t	u	v	8	T	U
9	W	X	Y	Z	w	x	y	z	9
0	0	0	0	0	0	0	0	0	0
*	*	*	*	*	*	*	*	*	*
#	#	#	#	#	#	#	#	#	#

#### EXAMPLE:

If you want to enter the name **ALEX**, dial this sequence:


1. Press the  button.
2. Press the **EDIT/FLASH** button to create a new phonebook entry.
3. Press the  button to enter "A."
4. Press the  button three times to enter "L."
5. Press the  button two times to enter "E."
6. Press the  button two times to enter "X."

You can store a maximum of 15 characters on the letter icon and a maximum of 16 digits on the number icon.






## Caller ID System Operation

### Placing Calls from the DIRECTORY


1. Press the  button.
2. Press the SCROLL UP ▲ or DOWN ▼ button to find the record you want to call.

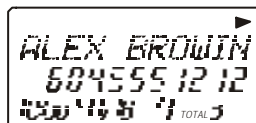
OR

Press a TELEPHONE KEYPAD ( to ) which corresponds to the first letter of a name. Press the SCROLL UP ▲ or DOWN ▼ button to find the record you wish to call.

3. Press the  button to dial out the displayed number.
4. To end the call, either press the  button or place the **HANDSET** on the **BASE UNIT**.



### Editing a Stored Number in the DIRECTORY


1. Press the  button.
2. Press the SCROLL UP ▲ or DOWN ▼ button to find the record you wish to edit.
3. Press the **EDIT/FLASH** button. The entry will display with a flashing prompt over the first character.



4. Move the cursor to the letter or number you wish to edit by pressing the SCROLL UP ▲ or DOWN ▼, SHIFT RIGHT ► or LEFT ◀ button.

To erase a character or digit, press the **DEL/CHAN** button.


To add a letter or number, use the TELEPHONE KEYPAD  ~  buttons. Characters or numbers will be inserted in front of the cursor (See page 17 for details.)

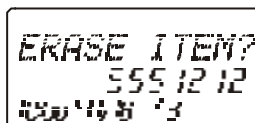
5. When the entry is edited as you desire, press and hold the  button to store the edited record.




## Caller ID System Operation

### Deleting a Stored Number in the Directory


1. Press the  button.
2. Press the SCROLL UP ▲ or DOWN ▼ button to find the record you wish to delete.
3. Press the **DEL/CHAN** button. The LCD screen will prompt “ERASE ITEM?”

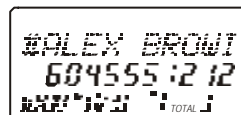


4. To delete the record, press the **DEL/CHAN** button.
5. Press the  button to return to STANDBY mode.

### PREFERRED CALLS


You can assign stored numbers as PREFERRED CALL. When an incoming call is matched to a stored number designated as preferred, the phone will generate a special ring sound after the Caller ID information is received.

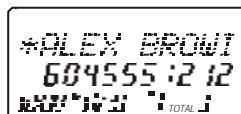
When you are saving the name and number into the DIRECTORY, add a “#” symbol at the beginning of the name by pressing the  button.



### BLOCKED CALLS

You can assign stored numbers as BLOCKED CALL. When an incoming call is matched to a stored number designated as blocked, the phone will not ring after the Caller ID information is received.

When you are saving the name and number into the DIRECTORY, add an “\*” symbol at the beginning of the name by pressing the  button.




## IMPORTANT



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

# Caller ID System Operation

## Function Settings

You can change the setting on the handset in the functions menu. Access the functions menu by pressing and holding the  **VOICE MAIL** button.

There are 11 settings in the functions menu which can be changed. You can scroll through the function menu in the listed order by pressing SCROLL DOWN ▼ button.

Settings can be reached directly by pressing that number on the keypad. To edit a setting, press the **EDIT/FLASH** button, use the SCROLL UP ▲ or DOWN ▼ button to toggle between the setting options, and then press and hold  button to save changes. Press the  **VOICE MAIL** button to exit the functions menu.

### TELEPHONE    Function KEYPAD

- 1 **Ring Hi/Low/Off:** Change the volume of the ringer on the handset or turn the ringer OFF.
- 2 **Language:** Change the language that appears on the display. Choose between English, French, and Spanish.
- 3 **First Ring On/Off:** Turn the first ring of the phone OFF so that it does not ring until Caller ID information has been displayed. Particularly useful when using the priority and blocked call features or the private and unavailable ring settings.
- 4 **Time Set:** Change the time and date.
- 5 **Contrast:** Adjust the brightness of the display for optimum viewing.
- 6 **PBX Number:** Determines if a "PBX Number" is used before an outgoing number is dialed. Select a number (0-9) which is necessary to dial out when using a switchboard system, and the phone will automatically dial the PBX number and a pause before any speed dial or Caller ID callback number. Default setting is "OFF."
- 7 **Flash Time:** Allows you to adjust the flash time to accommodate the phone service in your area.
- 8 **Pause Time:** Allows you to adjust the number of seconds that a pause lasts such as during programmed pauses in your speed dial numbers or after your PBX number is dialed.
- 9 **Voice Mail:** The programmed one-touch number designed to enable easy access to voice mail service provided by your telephone company.



## Caller ID System Operation


### TELEPHONE KEYPAD Function




**MSG Waiting Delete:** Clears any current message waiting indication.

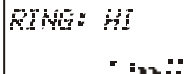


**Area Code:** Allows the programming of a home area code where 7-digit dialing is used for ease of callback and other features (do not program if you use 10-digit dialing to call numbers in your area).



*NOTE: At any time during options programming you can quit and the settings that you have changed will be saved. Press the  button to quit the options menu or let the options programming time out by not pressing any TELEPHONE KEYPAD buttons for 20 seconds.*

### A. Setting the Ringer Level



1. Press the  button to enter the menu.
2. Press the **EDIT/FLASH** button to change the setting. "HI" will begin flashing.



RING: HI



3. Press the SCROLL UP ▲ or DOWN ▼ button to toggle between HI, LOW, and OFF.
4. When the setting you desire is displayed, press and hold the  button to save the setting. A long beep will sound to confirm the setting has been saved.
5. Continue with programming or press the  button to return to the STANDBY mode.

### B. Changing the Language

1. Press the  button to enter the menu.
2. Press the  button to go to the LANGUAGE programming option.





ENGLISH

3. Press the **EDIT/FLASH** button to change the setting. "ENGLISH" will begin flashing.
4. Press the SCROLL UP ▲ or DOWN ▼ button to toggle between ENGLISH, ESPANOL, and FRANCAIS.
5. When the setting you desire is displayed, press and hold the  button to save the setting. A long beep will sound to confirm the setting has been saved.
6. Continue with programming or press  button to return to the STANDBY mode.





## Caller ID System Operation

### C. Turning the First Ring On or Off



1. Press the  button to enter the menu.
2. Press the  button to go to the FIRST RING programming option.

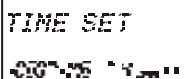


FIRST RING  
On  
----





3. Press the **EDIT/FLASH** button to change the setting. "On" will begin flashing.
4. Press the SCROLL UP  or DOWN  button to toggle between On and Off.
5. When the setting you desire is displayed, press and hold the  button to save the setting. A long beep will sound to confirm the setting has been saved.
6. Continue with programming or press the  button to return to the STANDBY mode.

### D. Setting the Time and Date

1. Press the  button to enter the menu.
2. Press the  button to go to the TIME set programming option.





TIME SET  
00:00  
----

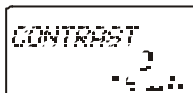
3. Press the **EDIT/FLASH** button to change the setting. The month will begin flashing.
4. Use the dial pad to enter the month. The date will begin flashing.
5. Use the dial pad to enter the date. The hour will begin flashing.
6. Use the dial pad to enter the hour. The minutes will begin flashing.
7. Use the dial pad to enter the minutes. AM and PM begin flashing.
8. Use the dial pad to choose between AM and PM, where  button is AM and  button is PM.
9. When the setting you desire is displayed, press and hold the  button to save the setting. A long beep will sound and you are returned to the options menu.
10. Continue with programming or press the  button to return to the STANDBY mode.





## Caller ID System Operation



### E. Adjusting the Contrast

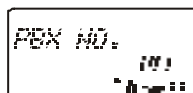
1. Press the  button to enter the menu.
2. Press the  button to go to the CONTRAST programming option.





3. Press the **EDIT/FLASH** button to change the setting. "3" will begin flashing.
4. Press the SCROLL UP ▲ or DOWN ▼ button to toggle between the three levels of contrast.
5. When the setting you desire is displayed, press and hold the  button to save the setting. A long beep will sound to confirm the setting has been saved.
6. Continue with programming or press the  button to return to the STANDBY mode.



### F. Setting the PBX Number

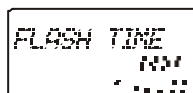
1. Press the  button to enter the menu.
2. Press the  button to go to the PBX NUMBER programming option.



3. Press the **EDIT/FLASH** button to change the setting. "OFF" will begin flashing.
4. Press the SCROLL UP ▲ or DOWN ▼ button to customize the digit to match your PBX system. When not connected to a PBX, the phone will only function normally when set to "OFF."
5. When the setting you desire is displayed, press and hold the  button to save the setting. A long beep will sound to confirm the setting has been saved.
6. Continue with programming or press the  button to return to the STANDBY mode.



### G. Changing the Flash Time

1. Press the  button to enter the menu.
2. Press the  button to go to the FLASH TIME programming option.





3. Press the **EDIT/FLASH** button to change the setting. "600" will begin flashing.
4. Press the SCROLL UP ▲ or DOWN ▼ button to select the desired dialing delay..

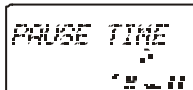
## Caller ID System Operation



5. When the setting you desire is displayed, press and hold the  button to save the setting. A long beep will sound to confirm the setting has been saved.
6. Continue with programming or press the  button to return to the STANDBY mode.

*NOTE: The standard and default flash time setting is 600msec. This is the setting you should use to access standard telephone services such as call waiting. This setting is adjustable to allow for PBX and other special uses.*



### H. Changing the Pause Time

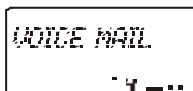
1. Press the  button to enter the menu.
2. Press the  button to go to the PAUSE TIME programming option.







3. Press the **EDIT/FLASH** button to change the setting. "2" will begin flashing.
4. Press the SCROLL UP ▲ or DOWN ▼ button to select the desired time delay..
5. When the setting you desire is displayed, press and hold the  button to save the setting. A long beep will sound to confirm the setting has been saved.
6. Continue with programming or press the  button to return to the STANDBY mode.

### I. Programming One-Touch Voice Mail Dialing

1. Press the  button to enter the menu.
2. Press the  button to go to the VOICE MAIL programming option.





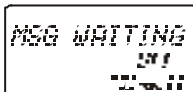
3. Press the **EDIT/FLASH** button to enter the voice mail speed dial number.
4. Press the TELEPHONE KEYPAD  ~  buttons to enter the phone number used to access your voice mail messages (up to 15 digits).
5. When the phone number you desire is displayed, press the  button to save the setting. A long beep will sound to confirm the setting has been saved.
6. Continue with programming or press the  button to return to the STANDBY mode.





## Caller ID System Operation



### J. Deleting Message Waiting Indication

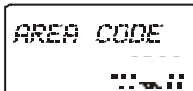
1. Press the  button to enter the menu.
2. Press the  button to go to the MESSAGE WAITING programming option.







3. Press the **EDIT/FLASH** button to reset the Message Waiting Indication. "DEL" will begin flashing.
4. Press the  button to delete the indication. A long beep will sound to confirm the setting has been saved.
5. Continue with programming or press the  button to return to the STANDBY mode.

### K. Setting the Area Code

1. Press the  button to enter the menu.
2. Press the  button to go to the AREA CODE programming option.



3. Press the **EDIT/FLASH** button to change the setting. "---" will begin flashing.
4. Press the TELEPHONE KEYPAD  ~  buttons to enter the three digit area code that your phone number begins with.
5. When the setting you desire is displayed, press and hold the  button to save the setting. A long beep will sound to confirm the setting has been saved.
6. Press the  button to return to the STANDBY mode.

#### NOTE:

*Do not use the AREA CODE programming if you are required to dial 10 digits (XXX-XXX-XXXX) to dial a local number.*

## IMPORTANT

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





## ***Security***



### ***Security System***

Your cordless telephone uses a digital coding security 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 the **HANDSET**.

### ***Security Code***

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

### ***Resetting Security Code and Channel Information***

Communication between the **HANDSET** and the **BASE UNIT** may not be possible in any of the following situations:

1. After a power failure.
2. After relocating the **BASE UNIT** by disconnecting the AC ADAPTOR.
3. After replacing the **HANDSET BATTERY PACK**.

To reset, place the **HANDSET** on the **BASE UNIT** for 2 to 5 seconds.

### ***Multi-Channel Access***

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

## **IMPORTANT**

**When you hear interference, press the **DEL/CHAN** button to change the operating channel.**



## 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



Ni-Cd

This BATTERY PACK is available through:

**U.S. Electronics Service Center**

**105 Madison Avenue**

**New York, NY 10016**

**1-800-828-5208**

**NOTE:** *During a power interruption, the BASE UNIT does not operate, and a phone conversation cannot be made on the HANDSET.*

### 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 BATT LOW symbol appears on the LCD Screen, a "beep" sound will be heard every 10 seconds. This indicates that the BATTERY PACK needs to be recharged.

Charge the BATTERY PACK at least once every 90 days of non-use 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 PACK assumes the discharging pattern it was subjected to. This 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 BATT LOW symbol appears on the LCD Screen. When the BATT LOW symbol appears on the LCD Screen, charge the **HANDSET** fully for 12 hours.

### IMPORTANT

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

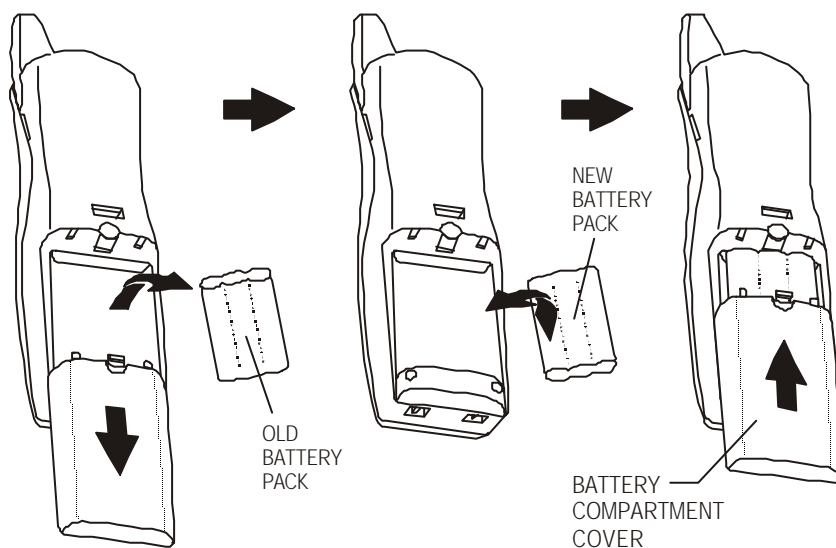
## Changing the BATTERY PACK

### 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 old BATTERY PACK and install the new BATTERY PACK with the CHARGE PLATE facing the CONTACT SPRINGS in the BATTERY COMPARTMENT.
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 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.

### IMPORTANT

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



## 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 a power source.
2. **HANDSET** is charged.
3. TONE/PULSE Select Switch is in the right position.
4. TELEPHONE LINE CORD is plugged into the TELEPHONE JACK.

*Range of phone limited, check the following:*

1. **BASE UNIT** is centrally located in your residence.
2. **BASE UNIT** is not located near appliances.

*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 a 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 PACK in the **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. (See Technical Information on page 30).
2. Choose an alternate channel using the **DEL/CHAN** button on the **HANDSET**.

*Excess static, check the following:*

1. Check to see that the ANTENNA is not touching another metal object.

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

1. **BASE UNIT** is plugged into a 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.*



## *Technical Information*

### *Technical Information*

This cordless telephone uses radio frequencies to allow mobility. There are certain difficulties in using radio frequencies with a cordless telephone. While these are normal, the following could affect the 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, the 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 relocating the **BASE UNIT**. You can check for interference before selecting the final **BASE UNIT** location by plugging in the telephone.

### *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 telephones, 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**

**When you hear interference, press the **DEL/CHAN** button to change the operating channel.**



## ***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.



## 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 telephone new 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 expressed 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 CONSUMER CENTER  
C/O Southern Bonded Warehouse  
7137 Southlake Parkway  
Morrow, GA 30260

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 DEL/CHAN button to change the operating channel.

## **IMPORTANT**

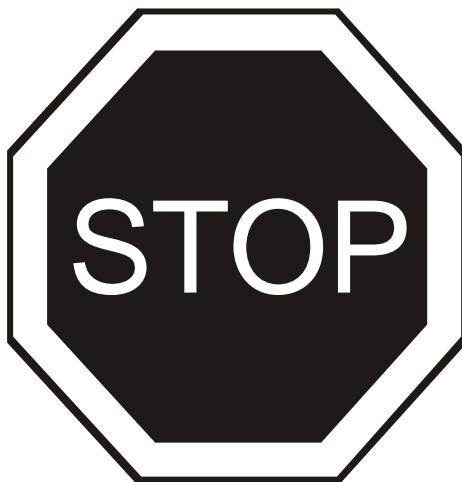
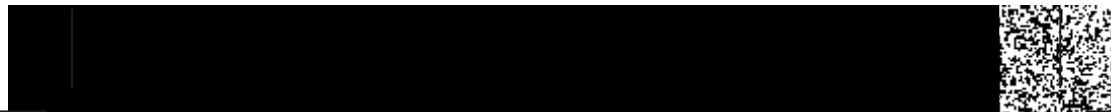
The AC ADAPTOR must always be plugged into an electrical outlet.

## **IMPORTANT**

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

## **IMPORTANT**

If you live in an area which receives 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.**



GH9457

Made in China  
LD