

OPERATING MANUAL

MODEL : MH9988

GVC KOREA

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 manual, this unit will provide you with years of trouble-free service.

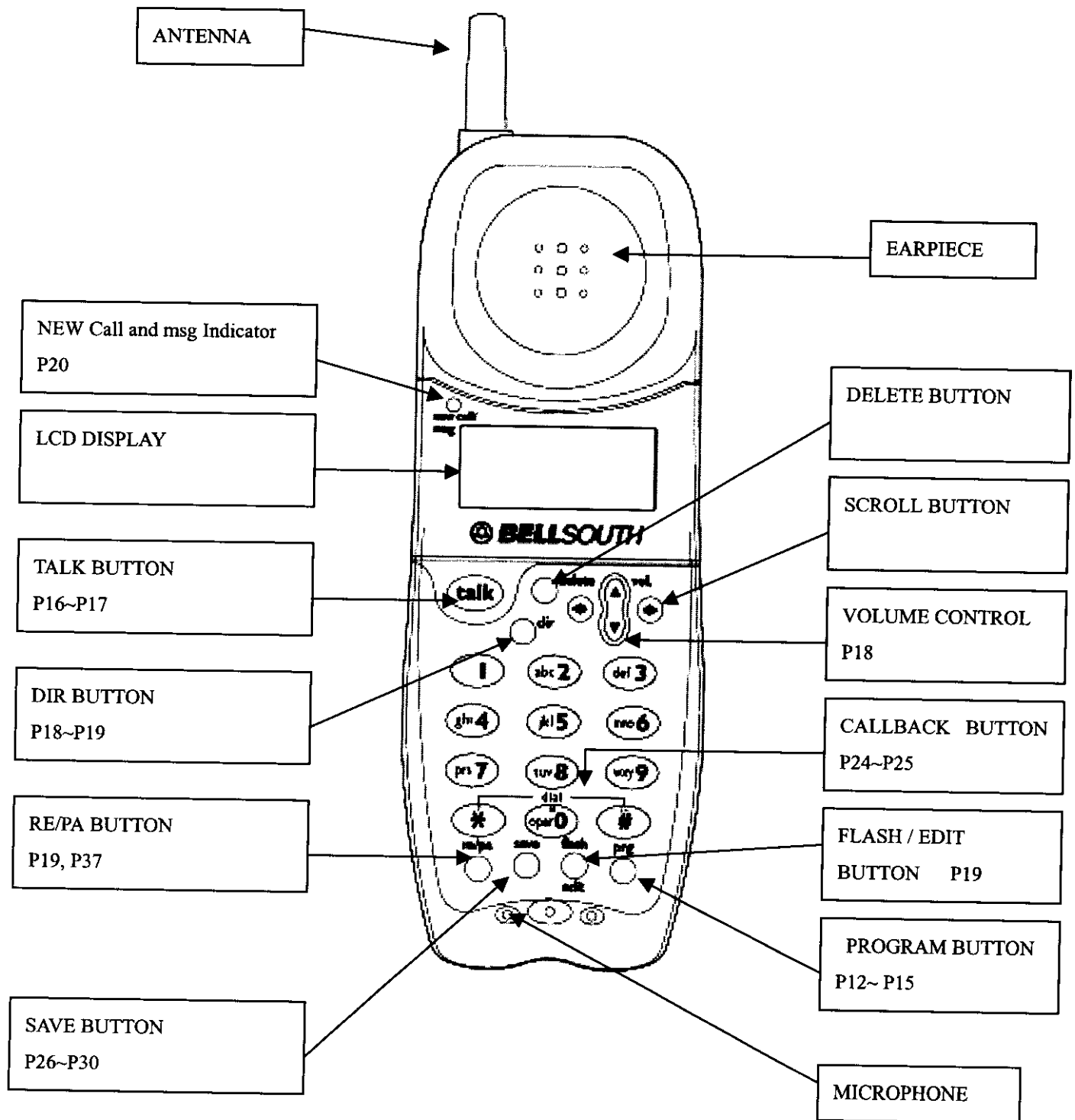
BellSouth is committed to providing quality products that fit your needs. We would like to have any comments or suggestions you might have on this product. You may mail your comments to :

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

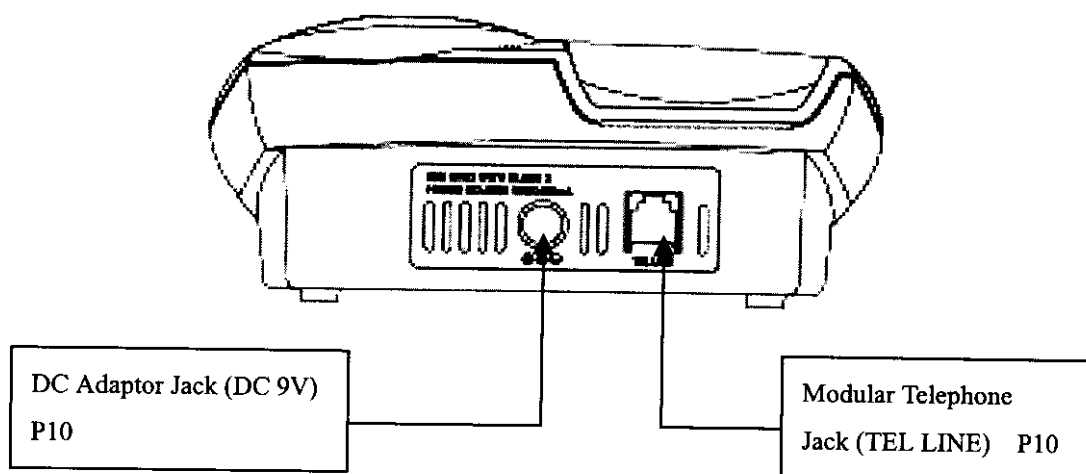
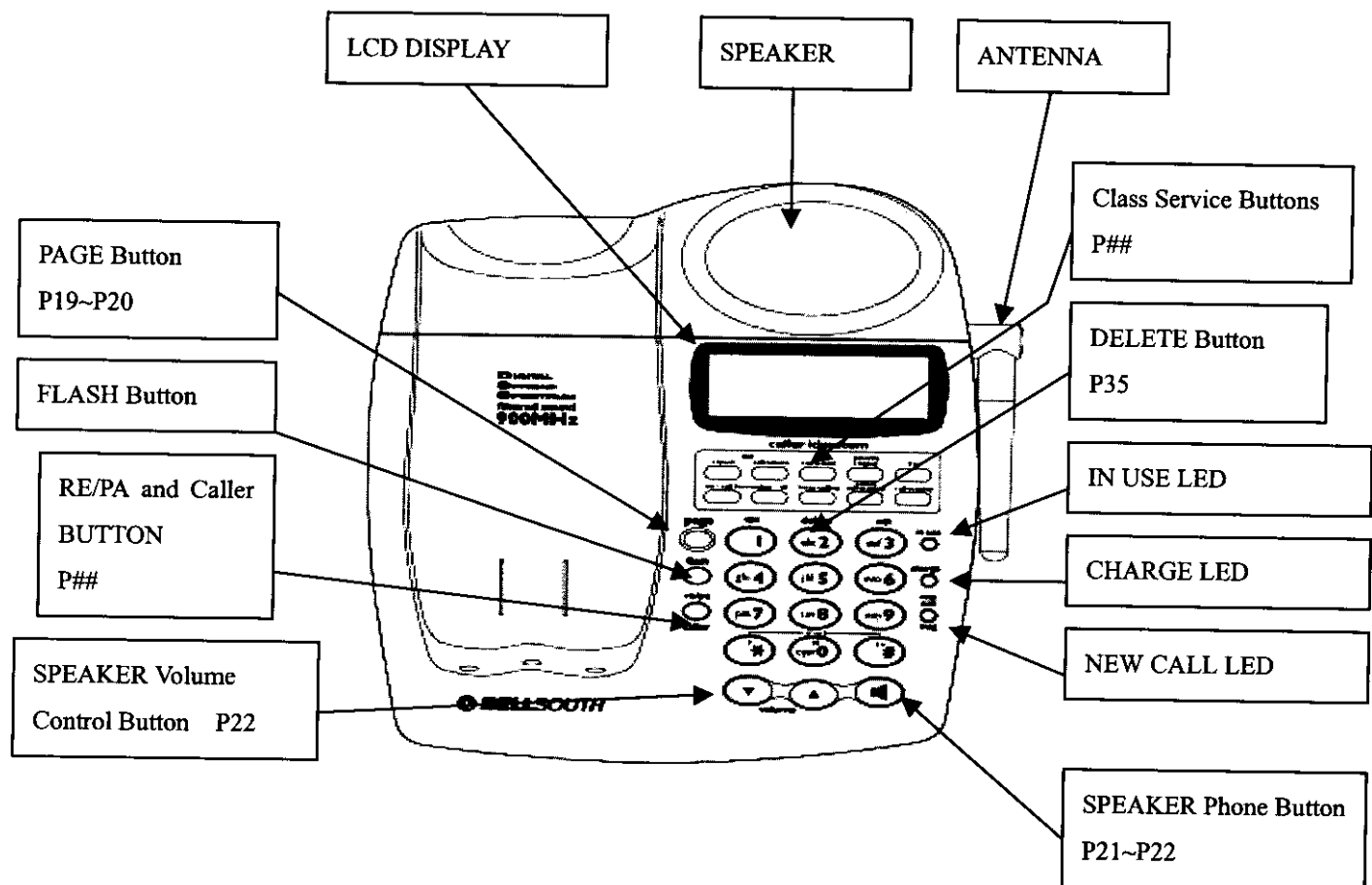
CARTON CONTENTS

- BASE and HANDSET
- Rechargeable Ni-Cd
- Battery(3.6V, 600mAh)
- AC ADAPTOR (CL:II,DC9V,400mA)
- Telephone LINE CORD-Long
- Telephone LINE CORD-Short
- Owner's Manual
- Quick Start Guide (English Version)
- Quick Start Guide (France Version)
- Battery Order Form
- Warranty Card
- Handset Wrap

HANDSET CONTROLS



BASE STATION CONTROL



CONTENTS

IMPORTANT SAFETY INSTRUCTION

Digital Spread Spectrum Technology

INSTALLATION

- Connecting Your Phone
- How to Install the Ni-Cad Battery
- Preparing for Initial Use
- Desk Mounting
- Wall Mounting

SETTING THE PROGRAM SEQUENCE

CORDLESS TELEPHONE OPERATION

SPEAKERPHONE OPERATION

CALLER ID

DIRECTORY MODE

CLASS SERVICE

TROUBLE SHOOTING

FCC REQUIREMENTS

WARRANTY INFORMATION

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. Unplug this telephone from the wall outlet before cleaning or replacing batteries. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning. If necessary, use only a mild soap.
4. Do not use this telephone near a bathtub, kitchen sink, wash bowl, laundry tub, swimming pool, in a wet basement, or anywhere else where there is water.
5. Do not place this telephone on an unstable cart, stand or table. A fall could cause serious damage to the phone.
6. This product should never be placed near or over a radiator or heat register. This product should not be placed in a built-in installation unless proper ventilation is provided.
7. Operate this telephone only with the correct electrical voltage in your home, consult your dealer or local power company.
8. Do not allow anything to rest on the power cord. Do not install the phone where people will walk on the cord.
9. Do not overload wall outlets and extension cords. This can increase the risk of fire or electric shock.
10. Never push objects of any kind through slots in the phone. 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.
11. To reduce the risk of electric shock, do not take this telephone apart. When 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 re-assembly can cause electric shock when the appliance is used.
12. 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 product 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 of other controls may result in damage and will often require extensive work by a qualified technician to restore the telephone to normal operation.
 - E. If the telephone has been dropped or the case has been damaged.
 - F. If the telephone exhibits a distinct change in performance.

13. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
14. Do not use the telephone to report a gas leak in the vicinity of the leak.
15. Never install telephone wiring during a lightning storm.
16. Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.
17. Never touch uninstalled telephone wires or terminals unless the telephone line has been disconnected at the network interface.
18. Use caution when installing or modifying telephone lines.

Battery Safety

CAUTION:

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

1. Use only the following type and size of battery pack:
 - Cordless Telephone Battery Pack
 - 6V, 600mAh
 - U.S. Electronics Inc
 - Ni-Cd Battery Pack: model B650
2. Do not dispose of the battery pack in fire. They may explode. Check with local codes for possible special disposal instructions.
3. Do not open or mutilate the battery pack. Released electrolyte is corrosive and may cause damage to the eyes or skin. It may be toxic if swallowed.
4. Exercise care in handling batteries to prevent shorting the battery with conducting materials such as bracelets and keys. The battery or conductor may overheat and cause burns.
5. Charge the battery pack provided with or identified for use with this product only in accordance with the instructions and limitations specified in this manual.
6. Do not attempt to rejuvenate the battery provided with or identified for use with this product by heating them. Sudden release of the battery electrolyte may occur causing burns or irritation to eyes or skin.
7. When inserting the battery into this product, the proper polarity must be observed. Reverse insertion of battery may result in leakage or explosion.
8. Remove the battery from this product if the product will not be used for a long period of time (several months or more) since during this time the battery could leak in the product.
9. Discard "dead" battery as soon as possible since "dead" battery is more likely to leak in a product.
10. Do not store this product, or the battery identified for use with this product, in high temperature areas. Batteries that are stored in a freezer or refrigerator for the purpose of extending shelf life should be stabilized at room temperature prior to use after cold storage.
11. Always disconnect all telephone line cords from the wall modular jacks before installing or replacing the battery.

ATTENTION

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

IMPORTANT

Read this manual before attempting to setup or use this instrument. It contains important information and use. Keep this manual for future reference. Also save the carton, packing and purchase to simplify and accelerate any needed action.

WARNING

To prevent fire or shock hazard, do not expose this product to rain or any type of moisture. If accidentally dropped into water, this product should be immediately unplugged from the AC outlet and telephone wall jack.

**THIS SYMBOL IS INTENDED TO ALERT THE USER
OF THE PRESENCE OF IMPORTANT OPERATING
AND MAINTENANCE (SERVISING) INSTRUCTION IN**

Digital Spread Spectrum Technology

Your unit features Digital Spread Spectrum Technology(DSST) which virtually eliminates noise and other interference while greatly increasing operating range. DSST uniformly spreads the signal over one of 20 independent frequency ranges, or channels, for maximum range and clarity. The BASE and HANDSET share a pre-assigned digital code which interfering signals do not have, so any noise is filtered out and the user enjoys reliable and crystal-clear sound quality.

Digital Spread Spectrum Technology Advantages

Smart Channel Hopping – During operations, the unit constantly monitors the transmission for interference. If interference is detected, the phone automatically scans for and hops to the next clear channel. This hopping is instant and does not interrupt normal conversation.

Maximum Security – The security code is changed every 8 uses, selected from one of 16 million different codes, this makes interception virtually impossible.

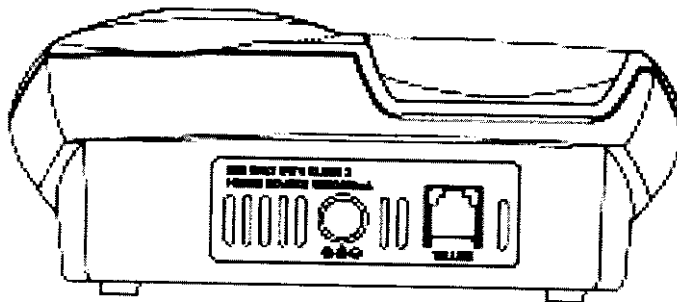
3 Level Power Output – The unit constantly monitors the strength of the signal from the HANDSET to the BASE, selecting one of three transmission power levels for maximum range and extended battery life

INSTALLATION

Connecting Your Phone

This section is a reference guide in connecting your cordless telephone for proper operation.

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. Be sure that you have all items that come with this cordless telephone system. You should have a HANDSET, BASE UNIT, AC ADAPTOR, TELEPHONE LINE CORD, ANTENNA, SHORT TELEPHONE LINE CORD, WALL MOUNT BRACKET and Owner's Manual.
3. Insert one plug of the telephone line cord into the house telephone jack and the other end into the telephone line jack on 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.)



4. Insert the small plug at the end of the AC ADAPTOR into the POWER-IN connection jack on the back of the BASE UNIT.
5. Plug the AC ADAPTOR (output : 9VDC, 400mA) into a 120V AC wall outlet.
6. Raise the ANTENNA on the BASE UNIT for the best reception.
7. TONE/PULSE
 - A. If your home is equipped with a tone dialing system, set the TONE/PULSE to the TONE position.
 - B. If you have a rotary dialing system, set TONE/PULSE (T/P) select switch to the PULSE position.
 - C. If you are not sure which system you have, set the TONE/PULSE to the TONE position. Press the **talk** button on the HANDSET to get a dial tone, and press any button on the keypad except the zero. If the dial tone continues, it means that you do not have tone dialing service. Press the **talk** button on the HANDSET to hang up. Set the TONE/PULSE to the PULSE mode and then try again.

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

How to install the Ni-Cad Battery

1. Remove the battery compartment cover of the HANDSET by sliding it down.
2. Plug the battery pack into the battery connector.
3. You'll hear the handset's ready tone and the "READY" message appears on the display.



4. Replace the battery compartment cover by sliding it up towards the HANDSET.
5. Before use, charge the battery pack for at least 12 hours.
6. Once the HANDSET is fully charged, it is operable for approximately 4 hours of continuous talk use; approximately 7 days when the HANDSET is left off the BASE UNIT in STANDBY mode with the RINGER SWITCH in the "ON" position, depending on frequency of use.

IMPORTANT
The AC ADAPTOR must always be plugged
Into an electrical outlet.

Preparing for Initial Use

Before you use your cordless telephone, you must charge the HANDSET for at least 12 hours. Failure to do so will require recharging of the battery pack more often.

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

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

NOTE:

If you are far away from the BASE UNIT, the HANDSET emits a beep sound (every 5 seconds) to warn you that the background noise level is too high for proper communication between 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**.

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 35 degree when desk mounting. There are two positions to choose from:

1. **NORMAL POSITION (Mounting Bracket not required)**

For Normal Position, place the BASE UNIT in any desired but suitable location. To charge the batteries, place the HANDSET in its charge cradle.

2. **35 DEGREE POSITION (Mounting Bracket)**

With the back of the BASE UNIT facing up, insert the hook of the MOUNTING BRACKET into the matching slots of the BASE UNIT.

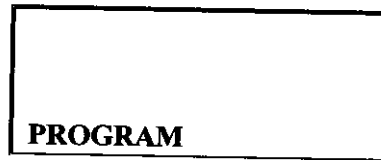
Wall Mounting

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

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

SETTING THE PROGRAM SEQUENCE

To beginning programming sequence, press **prg** key on the handset until you see the "PROGRAM"

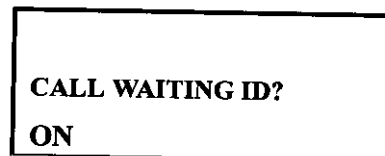
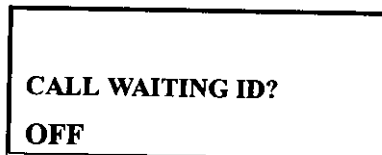


1. SET Call Waiting ID

If you subscribe to call waiting ID and this is first call waiting ID unit (the display appears as 1ST CWID UNIT), you must select "ON". However, if you already have a call waiting ID unit, you must select "OFF".

If you do not program this option correctly, you might not receive call waiting ID records consistently.

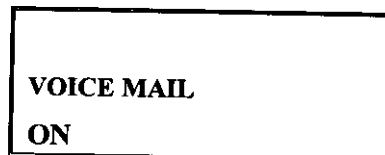
- Press **prg** key
- Press "**➡**" key, then "CALL WAITING ID?" appears on the screen.



- Use "**▼**" or "**▲**" key to find the desired function
- You must press **save** key to save a mode.
- Press **prg** to finish.

2. SET VOICE MAIL ON or OFF

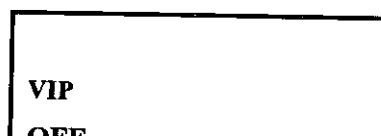
- Press the **prg** key.
- Press "**➡**" key, then "VOICE MAIL ON/OFF" appears on the screen.



- Use "**▼**" or "**▲**" key to find the desired function
- You must press **save** key to save a "VOICE MAIL ON/OFF" mode.
- Press **prg** to finish.

3. SET VIP ON or OFF

- Press the **prg** key.
- Press "**➡**" key, then "VIP ON/OFF" appears on the screen.



- c. Use “▼” or “▲” key to find the desired function
- d. You must press **save** key to save a “VIP ON/OFF” mode.
- e. Press **prg** to finish.

4. SET SILENT ON or OFF

If you don't need to hear the 1st ring sound of blocking numbers, select SILENT ON or OFF.

- a. Press **prg** key.
- b. Press “➡” key, then ‘SILENT’ appears on the screen

**SILENT
ON**

**SILENT
OFF**

- c. Use “▼” or “▲” key to select desired SILENT MODE ‘ON’ or ‘OFF’.
- d. You must press **save** key to save.
- e. Press **prg** to finish.

5. SET DIALING METHODE

The MH-9988 phone can dial in either tone or pulse/rotary mode.

- a. Press **prg** key and “➡” key, then “DIALING METHODE” appears on the screen.

**DIALING METHODE
TONE**

**DIALING METHODE
PULSE**

- b. Use “▼” or “▲” key to find the desired DIALING METHODE. The TONE or PULSE appears on the display as you press the keys.
- c. You must press the **save** key to save language mode.
- d. Press the **prg** to finish.

6. SET DIALING PREFIX

If you need to dial prefix before any telephone number, such as “9”, enter this prefix in this programming option.

- a. Press **prg** key
- b. Press “➡” key, then “DIALING PREFIX” appears on the screen.

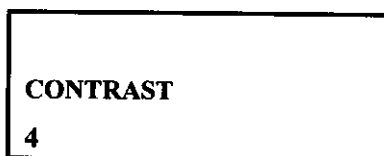
**DIALING PREFIX
OFF**

- c. Use “▼” or “▲” key to find the desired prefix number (1,2,3...9,off).
- d. You must press the **save** key to save “DIALING PREFIX MODE”.
- e. Press the **prg** to finish.

7. ADJUSTING THE DISPLAY CONTRAST

You can adjust the LCD display contrast.

- a. Press **prg** key and “➡” key, then “CONTRAST” appears on the screen.

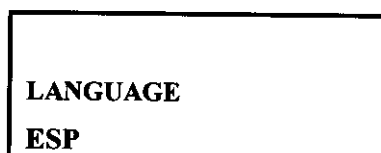


- b. Use “▼” or “▲” key to find the desired contrast condition. (1~8 steps)
- c. You must press the **save** key to save contrast mode.
- d. Press the **prg** to finish.

8. SET LANGUAGE

You can choose different languages as English or Spanish.

- e. Press **prg** key and “➡” key, then “LANGUAGE” appears on the screen.



- f. Use “▼” or “▲” key to find the desired language. The language appears on the display as you press the keys.
- g. You must press the **save** key to save language mode.
- h. Press the **prg** to finish.

9. SET PAUSE TIME

If you need to set “PAUSE TIME” on the HANDSET,

- a. Press **prg** key.
- b. Press “➡” key, then “PAUSE TIME” appears on the screen.

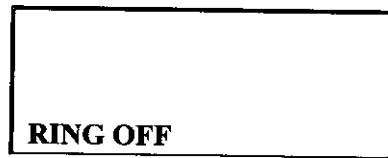


- c. Use “▼” or “▲” key to find the desired pause time (1,2,3...9sec).
- d. You must press **save** key to save a pause time.
- e. Press **prg** to finish.

10. SET RING ON or OFF

If You don't need to hear the ring sound and select RING ON or OFF.

- a. **Ring on/off** switch locate the center of the left side.
- b. If switch is “off” position , then “RING off” appears on the screen.



11. SET RING SOUND SELECTION

- a. FLASH KEY + 1
- b. FLASH KEY + 2
- c. FLASH KEY + 3
- d. FLASH KEY + 4

12. SET VOICE MAIL NUMBER

- a. Press **save** key, then “VOICE MAIL” number appear on the screen.



- b. If you want to edit the number, press the **edit** key.
- c. Press **save** to finish.

Cordless Telephone Operation

Receiving Calls

When rings are coming,

- a. When the phone rings, lift the HANDSET and press the **talk** button on the HANDSET.
- b. The 'in use' LED on the BASE UNIT will light up and the LCD display on the HANDSET and the BASE UNIT will show " TALK".
- c. Start your conversation.
- d. To end your conversation, either press the **talk** button or place the HANDSET on the BASE UNIT. If the HANDSET is placed on the BASE UNIT charge cradle, the automatic STANDBY feature is then activated.

Note : Whatever the HANDSET is on the BASE UNIT or off the BASE UNIT, press the **talk** button on the HANDSET or the speaker button on the BASE UNIT.

Placing calls

1. Press the **talk** button and wait for a dial tone, then the screen will display the following a figure.



2. Enter the number to be dialed, the number will appear in the display as the keys are pressed.
Dial number will be displayed the BASE UNIT and HANDSET at the same time.
3. Press the **talk** button to terminate a call.

HANDSET Redial Feature

1. If you get a busy tone, press the **talk** button to hang up.
2. Press the **talk** button again.
3. Listen for a dial tone.
4. Press the **re/pa** button. This will automatically redial the last telephone number you called.

Adjustable HANDSET Volume Control (▼ / ▲)

You can adjust the HANDSET receiver volume by pressing the ▼ or ▲ button when "Talk" is ON.

NOTE : The HANDSET will chime when the maximum/minimum limit for adjusting the volume level is reached. A total of 4 volume levels are available.

Adjustable HANDSET Ringer Volume Control (▼ / ▲)

There are only 2 HANDSET ringer volume levels available.

1. Make sure that the IN USE LED is off. Press the ▲ to set the HANDSET ringer for higher level.
2. Then you can hear higher volume level. Press the ▼ to set the HANDSET ringer for lower level.
3. Then you can hear lower volume level.

Out of Range Indication

If you do use the HANDSET too far away from the BASE UNIT during a call, the HANDSET will alert you by beeping. Once you hear these warning tone, move closer to the BASE UNIT.

Note: If you do not move closer to the BASE UNIT within several seconds after the first Out-of-Range warning tone, the HANDSET and the BASE UNIT will return to the standby mode.

Low Battery Indication (LOW BATT ICON)

If LOW BATT Icon indicator on the HANDSET starts flashing or sounds short beeps continually while in use, return the HANDSET to the cradle on the BASE UNIT to charge the battery. For a full charge, please follow the direction described in “CHARGING THE BATTERY (FULL CHARGE)”.

Flash Button (HANDSET and BASE UNIT)

FLASH works like a temporary hook switch. Also it used to access special services offered by your telephone company.

Re/Pa Button (HANDSET and BASE UNIT)

1. Pause : 4-second delay between dialed numbers for use in PABX systems or long distance service.
2. Redial : Used to automatically dial the last phone number dialed (up to 32 digits) from the handset.

Tone (* key) Button (HANDSET and BASE UNIT)

Used to temporarily change the dialing mode from pulse to tone when dialing in the pulse mode

PAGE

The paging feature is available as a HANDSET locator.

If you press the page button on the BASE UNIT, the HANDSET and the BASE UNIT beeps and the LCD will show 'PAGE'.



INUSE Indicator LED (BASE UNIT)

Lights solid when the handset is talk mode

CHARGE Indicator LED (BASE UNIT)

Lights solid when the handset is being charged on the BASEUNIT.

Message Waiting (HANDSET and and BASE UNIT)

Message waiting service your calls when you are away from your phone or even while you are on the phone

The indicator Light flashes (Green LED) whenever you have message in your message waiting, Simultaneously the screen will display the following a figure



You can access your message waiting by pressing dial key to your local telephone company.

NOTE : You must subscribe to voice mail service in order for this feature on your phone.

New Call Indicator (handset)

If there are any new call s in memory, the NEW CALL indicator LED(RED) blinked.

NOTE : If the unit has both message waiting and new call , both colors will blink and alternate from green color to red color.

16 million Combination Digital Security Codes

This phone uses a digital coding security system to prevent unauthorized use of your telephone line by other cordless phones nearby. This phone has 16 million possible security codes combination, which are randomly generated every eight times the **TALK** button is pressed or the HANDSET is picked up from the BASE UNIT.

Channel Operation

20 Independent Channel

Unlike other cordless phones reputed to have hundreds of channels (which is deceiving due to channel overlapping), this phone features true 20 independent channels. Overlapping channels may increase the number of channels, but interference also occurs in multiple channels because of channel overlapping. Your telephone has 20 independent channels that exclusively keep their own space, allowing the auto scan feature to find the clearest channel before it goes to TALK mode.

Smart Channel Hopping

During operation, your phone constantly monitors the transmission for interference. If interference is

detected, this phone automatically scans and changes to the next clear channel. This channel hopping is instant and does interrupt normal conversation.

Resetting Security Code and Channel Information

Communication between the HANDSET and BASE UNIT may be disrupted during the following situations:

- ➔ After a power failure.
- ➔ After relocating the BASE UNIT by disconnecting the AC adaptor.
- ➔ After replacing the HANDSET battery.
- ➔ The HANDSET goes out of range from the BASE UNIT.

Using the Headset Feature

Your telephone can utilize a headset (not included) to be connected to your HANDSET for you to enjoy a hands-free communication.

Insert the small plug on the end of the headset into the HEADSET jack at the right side of the HANDSET. Follow the procedure discussed in “To Making a Call” and “To Receive a Call” when to place and receive 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 2.5mm headset plugs only.

Speakerphone Operation

MH9988's full duplex digital speakerphone is enabled/disabled by pressing the **[SPK]** button.

In this mode, the user can place outgoing calls, receive incoming calls, And received Caller ID Type 2.

You can hold a conversation without handset.

1. When the phone rings, Press the **[SPK]** button.
2. Speaking far away from the MIC on the BASESET
3. Press **[SPK]** button to terminate a call.

Adjustable BASE UNIT Volume Control (▼ / ▲)

You can adjust the BASE UNIT speaker volume by pressing the ▼ or ▲ button when “SPEAKER PHONE” is ON.

NOTE : The BASE UNIT will chime when the maximum/minimum limit for adjusting the volume level

is reached. A total of 4 volume levels are available.

Adjustable BASE UNIT Ringer Volume Control (▼ / ▲)

There are 4 step ringer volume levels available.(off-low-mid-high)

1. Make sure that the "READY" mode. Press the ▲ to set the BASE UNIT ringer for higher level.
2. Then you can hear higher volume level. Press the ▼ to set the BASE UNIT ringer for lower level.
3. If ringer is set "off", then the screen will display " RING OFF ".

Call transfer when using your phone

When you use the handset(by cordless) or use the base unit (by speaker phone), you can transfer a call to handset or base unit.

If you want to transfer a call to base unit(speaker phone) when you are on the call by handset.

1. Press **[prg]** key
2. The "PAGE " appears on the display in the handset and base unit simultaneously.
3. You can hear a shot beep sound in the base unit.
4. Press **[spk]** key and you can call by speaker phone.

If you want to transfer a call to handset when you are on the call by speaker phone.

1. Press **[page]** key
2. The "PAGE " appears on the display in the handset and base unit simultaneously.
3. You can hear a shot beep sound in the handset.
4. Press **[talk]** key and you can call by cordless.

※ CAUTION : If you transfer a call to base unit or handset and he/she does not receive a call during 14seconds, " HOLD " message appears on the display in the handset and base unit simultaneously. And then your call is turn off 15seconds if you do not receive

Call ID Mode(BASE UNIT AND HANDSET)

Caller ID

One of the best features of your phone is Caller ID, which allows you to see information about an incoming call before you pick up the phone.

If you have subscribed to Caller ID from your local telephone company, when your MH9988 rings, the incoming callers number will appear in the display – **unless it is unavailable or withheld by the caller**. This means you know who is calling before you answer the call.

The MH9988 telephone displays and records information about the call in a log

Call Waiting ID

If you have also subscribed to the Call Waiting service-

During a call :

If another caller is trying to get through to you, their number will appear in your HM9988 display (if available), leaving you to decide whether or not you wish to take the call.

♥ If you are unable to access the Call Waiting ID feature, you may need to alter the Call Waiting ID setting.

♥ Before you use these features on your MH9988 telephone, you must first subscribe to the services through your local telephone company.

Receiving New Calls

When the CALLER ID data is received, the new call LED(RED) blink and the screen will display the following a figure.

12:00AM 12:00 CALL#00
NEW
555-1234
JOHN SMITH

After ring initial time finished, the screen will go stand-by mode

Your MH9988 lets you view and dial from a list of your last 60 incoming calls.

- How many total calls you have.
- How many new calls you have since you last reviewed your calls.

Viewing Calls Record

To review a call record :

1. **HANDSET** : Press the ◀ or ▶ button until all :05 / new :03 appears in the display.
BASE UNIT : Press re/pa/caller key, then all :05/new :03 appear in the display.

ALL: 05 NEW : 03

2. Press the ◀ or ▶ button to scroll through the list of the last 60 incoming callers numbers

♥ If there are NO call memory, when the ◀ or ▶ button press, "NO CALL" is displayed and will go to stand-by mode after 2 seconds.

♥ When you reach either end of the Call Record list, you see an “END OF LIST” message.

If you continue to press ◀ or ▶ key, you scroll through the list again

♥ When you are reviewing the CID information on the handset, the base unit will state “REVIEWING CALLER ID”. When you are reviewing the CID information on the base unit, the handset will state “REVIEWING CALLER ID”.

♥ The handset and base unit share the same CID information.

Note : The call record consists of the following information.

- The caller 's name (If available)
- The caller's telephone number
- The time and date of the call

Deleting a number from the calls Record

You can either delete a single record or you can delete all call records at one time.

To delete a single record :

1. HANDSET : Press the ◀ or ▶ button until all :05 / new :03 appears in the display.
BASE UNIT : Press the re/pa/caller key, then all :05/new :03 appear in the display.

ALL: 05 NEW : 03

2. Press the ◀ or ▶ button to find the desired call record.
3. Press DELETE once , and the MH9988 asks if you want to delete this call record

123-456-7890

DELETE ?

4. If you wish to delete the calls number then Press the DELETE button again.
The MH9988 delete the call record, gives you a confirmation beep.

To delete all call records :

1. HANDSET : Press the ◀ or ▶ button until all :05 / new :03 appears in the display
BASE UNIT : Press the re/pa/caller key, then all :05/new :03 appear in the display.

ALL: 05 NEW : 03

2. Press **DELETE** (for 3seconds) and the MH9988 asks if you want to delete all call records.

DELETE ALL ?

3. Press **DELETE** again and the HM9988 clears all call record, give you a confirmation beep.

Callback Features.

It may be assumed that customers utilizing Caller ID would not require pulse dialing capability in order to dial from your Call Records and Directory Records, MH9988 have a Callback button (Three separate button on the Handset) that operate as follows regardless of the handset and base unit being IN USE or STANDBY mode.

1. **HANDSET** : Press the ◀ or ▶ button until all :05 / new :03 appears in the display
BASE UNIT : Press the **re/pa/caller** key, then all :05/new :03 appear in the display.
2. Press the “◀” or “▶” button to find the desired call record.

12:00 AM 12:31 CALL#
123-456-7890
JHON DOE

- a. Press the “*” button on the HANDSET, dialed Last 7 digits of the supplied number.
- b. Press the “oper 0” button on the HANDSET, dialed Area code plus 7 digits.
- c. Press the “#” button on the HANDSET, dialed 1Plus Area code plus 7 digits

Repeat Call .

If caller ID information received repeat call data, it will state the “RPT:00” (00 is the number of the repeatedly received calls). The repeated caller ID data will be toggled.

12: 00 AM 12:31 CALL#
123-456-7890
JOHN DOE ▶

12: 00 AM 12:31 CALL#
123-456-7890
◀RPT:00

Call Forward .

If caller ID information received call forward data, it will state the “C-F” .

The call forward data will be toggled.

12: 00 AM 12:31 CALL#
123-456-7890
JOHN DOE ▶

12: 00 AM 12:31 CALL#
123-456-7890
◀ C-F

Long Distance.

If caller ID information received long distance data, it will state the "TOLL".

The long distance data will be toggled.

12: 00 AM 12:31 CALL# 123-456-7890 JOHN DOE ▶	12: 00 AM 12:31 CALL# 123-456-7890 ◀ TOLL
--	--

Blocked Call.

If the caller has exercised the option to block his name and number from being sent, "BLOCKED CALL" indicator will be displayed.

12: 00 AM 12:31 CALL# 123-4567 BLOCKED CALL
--

Out of area.

When someone calls you from an area where the telephone company is not offering the Caller ID service or an area that is not yet providing name delivery to your area via the long distance network, the display will show "OUT OF AREA".

12: 00 AM 12:31 CALL# OUT OF AREA
--

No data sent and line error.

In some form of data transmission, the unit cannot recognize the weak signal from the telephone line, and If an electrical disturbance occurs during transmission, the result can be garbled information. If error is detected, the Caller ID information received unreliable and will be displayed, the will be displayed

12: 00 AM 12:31 CALL# INCOMPLETE DATA
--

Directory Mode(Handset only)

The directory in your telephone system is similar to a telephone book that enables you to create and manage entries in your telephone directory in addition to your Call record. You can store up to 40 dial numbers and names in directory.

To access the directory, press the **dir** key, then you will see the "DIRECTORY" on the LCD display



Working with the Directory menu

Using the directory menu, you can

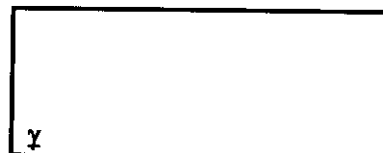
- a. Create new entry
- b. Checking memory in the directory
- c. Dialing number in the directory
- d. Editing an entry in the directory
- e. Delete an entry
- f. Saving a number from Call log into the directory

Creating a new entry in the Directory

- a. Press the **dir** key.



- b. Press the **re/pa & edit** key to edit a character and number, it display like this.



- c. Enter the name. You can have up to 16 characters in the name field. (on the 2nd line).
- d. Enter the telephone number using dial keypad (on the 1st line)
- e. Press the **save** key to save the complete record.

1. To enter alphabetic characters

- a. Use the numbers on the key pad. For example, to enter the letter "A", press the key **2** once, to enter the letter "B", press the same key twice quickly and to enter the letter "C", press the same key

three times quickly.

- b. Use the “◀” or “▶” button to move back and forth through the name.
- c. Use the “◀” or “▶” button to move up and down.
- d. Create a space between names and words, by pressing the “▶” button twice after the last character.

2. Prefer / Blocking Function

- a. Select name in the directory.
- b. Prefer Call : If the stored name is appended with in front of the name, distinctive ring will be heard after the first ring.
- c. Block Call : If the stored name is appended with in front of the name, all rings will not be generated after the first ring.
- If you set to “silent off”, the first ring will not be heard.

Review memory in the Directory

- a. Press the key.

DERECTORY

- b. Press the “◀” or “▶” button to scroll directories.

123-456-7890
JOHN DOE

- c. Or if you want find directory alphabetically, press the button to find a name begun with the letter ‘A’, ‘B’ and ‘C’. If you press the button more, the name is changed from “A” to “C” orderly.
- d. Press the key for revert to stand-by mode.

Dialing number from the Directory

- a. Press the key.

DIRECTORY

- b. Press the “◀” or “▶” button to find the desired phone number or name.

123-456-7890
JOHN DOE

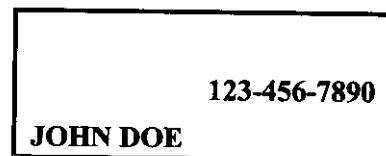
1. Press the “*” button on the HANDSET, dialed Last 7 digits of the supplied number.
2. Press the “oper 0” button on the HANDSET, dialed Area code plus 7 digits.
3. Press the “#” button on the HANDSET, dialed 1Plus Area code plus 7 digits

Editing an entry in the Directory

- a. Press the **dir** key.



- b. Press the “◀” or “▶” button to find the desired phone number or name.



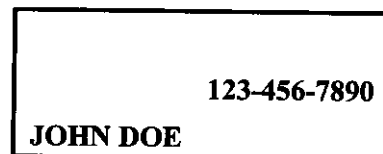
- c. Press the **flash/edit** button to begin to edit the entry name and number.
- d. Press the save **key** to save.

Deleting an entry in the Directory

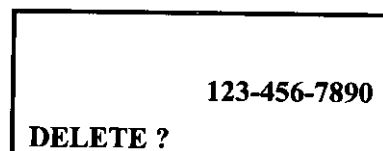
- a. Press the **dir** key.



- b. Press the “◀” or “▶” button to find the desired directory.



- c. Press the **delete** button , then MH9988 asks if you want to delete this directory.



- d. Press the **delete** button again, then the unit gives you a confirmation beep.

Deleting all directory

- a. Press the **dir** key.

DIRECTORY

- b. Press the **delete** button for 3 seconds, then MH9988 asks if you want to delete this directory.

DELETE ALL ?

- c. Press the **delete** button again, then MH9988 clears all directory and gives you a confirmation beep.

Saving a number from Call log into the Directory

- a. Press the “◀” or “▶” button to select caller list until “ALL : 05 NEW : 03” appears on the display.

ALL : 05 NEW : 03

- b. Press the “◀” or “▶” button to find the desired call records.

123-456-7890
JOHN DOE

- c. Press the **save** button to save it in the directory.
Or press **flash/edit** key to edit displayed caller id, and Press the **save** button after edit.

CUSTOM CALLING SERVICES(BASE UNIT ONLY)

The Caller ID Telephone is programmed so that you have all the convenience of your local telephone company's Custom Calling Services at the touch a button . You must subscribe to each service in order for all of the features contact your local telephone representative for more details and package offerings.

3-way calling

3-way Calling allows you to talk two different callers at the same time. You can use this service for local, regional, or long-distance calls, However, you are only charged for the calls you make.

To Use 3-way Calling

After a call to the first party.

1. Press **CALLWAITING** to place the first call on hold
2. Wait for the dial tone.
3. Dial the second number. Wait for second party to answer.
4. Press **3-WAY CALLING** to connect all three parties

■ If the second number is busy or there is no answer, press to reconnect to the original call.

■ To end either call, ask one person to hang up the phone. You can continue the conversation with the other person.

■ To end both calls, you must hang up the telephone.

CALL RETURN

Call Return remembers the number of the person who called you last and automatically dials that number. While Call Return works, you can place and receive calls. For all calls places using this service, local and long-distance charges might apply.

You are calling a number that is in an area not served by Call Return, a recorded message tells you that your call cannot be completed.

To Use Call Return

1. Press **SPK** key, and listen for a dial tone.
 2. Press **CALL RETURN** key.
 3. You hear the call ringing, If the number is busy, a recorded message tells you the line is busy.
Hang up Call Return keeps trying the number for 30 minutes.
 4. Answer the phone when you hear the special ring (short-short-long). The special ring notifies you that the line is now available. When you pick up the handset, you then hear your call ringing back, and the connection is made.
- If you don't pick up the phone, the special ring repeats early few minutes for up to 30 minutes.

To Cancel Call Return

1. Press **SPK** key, and listen for a dial tone.
2. Press *****, **8**, **9**.

A record message confirms cancellation of Auto Call Return.

If you number Rotary/Pulse service, use **1**, **1** instead o *****

REPEAT DIAL

Repeat dial calls back the number that you dialed for up to 30 minutes. When the number is busy, Repeat dial monitors the busy number, and lets you know when the line is free with A special. ring. Repeat dial lets you call back more than one number at a time, and you can make and receive calls while Repeat dial works.

TO USE REPEAT DIAL

1. Turn off the speakerphone after hearing the busy signal.
2. Press **REPEAT DIAL** Repeat dial keeps trying for 30 minutes.
3. Turn on the speakerphone when you hear the special ring (short-short-long). You hear the other phone ringing. If you don't answer the special ring immediately, it repeats every few minutes for up 30 minutes.

TO CANCEL REPEAT DIAL

1. Press **SPK** key, and listen for a dial tone.
2. Press *****, **8**, **9**

If you have Rotary/Pulse service, use **1**, **1** instead of *****.

CALL FORWARDING

Call Forwarding allows you to send calls to another phone number. You can Make outgoing Calls while Call Forwarding works. If you forward a call to a long-distance number, local and Long-distance might apply.

To Turn Call Forwarding on

1. Press **SPK** key, and listen for a dial tone
2. Press **ON CALLFORWARD** .
3. Listen for the dial tone and dial the number where you want to forward your calls.
Two short tones followed by ringing confirm your request.
If the person answer or you receive a dial tone, Call Forwarding is on.
4. Repeat steps 1-3, if no one answer or if the number is busy. On the second try, Call Forwarding is established even if there is no answer or if the line is still busy.

To Turn Call Forwarding off

1. Press **SPK** key, and listen for a dial tone.
2. Press **ON CALLFORWARD** .
3. Listen for two short tones followed by the dial.
These tones confirm that Call Forwarding is off.

CALL WAITING

Call Waiting Service from your local telephone company tells you when you have a call while you are on the phone.

Call Waiting sends you the Call Waiting Tone, when you have another call.

If you don't want to be disturbed during a call, you can temporarily Cancel Call Waiting.

To use Call Waiting

1. Press and release after you hear the Call Waiting Tone.

The first call is placed on temporary hold and you are connected to the new call.

2. Press and release to return to the first call put the second call on hold.

You can alternate between calls as often as necessary.

To Cancel Call Waiting

If you don't want to be interrupted during an important call, you can temporarily Cancel Call Waiting before you dial or during a conversation, However, you must subscribe to Three-Way Calling in order to Cancel Call Waiting a conversation.

Before making your call:

1. Press SPK key, and listen for a dial tone.
2. Press CANCEL CALLWAITING .

During a call:

1. Press CALLWAITING , which puts the call on temporary hold.
2. Press CANCEL CALLWAITING to turn Call Waiting off.
3. Press CALLWAITING again to return to your caller.

Call Waiting is off for this phone call only. Call Waiting resumes automatically when you Hang up

PRIORITY RINGING

Priority ringing distinguishes important calls from the rest of your calls by a distinctive ring.

You can select up to ten numbers for priority ringing. Select numbers of callers you don't want to miss, or use Priority ringing alert you when someone calls that you don't want to talk to.

You can also use Priority ringing to distinguish calls for certain persons-for example, a child, co-workers or a roommate. Select the phone numbers that are typically for that other person, and you won't have to pick up the line every time they receive a call.

Priority ringing and Call waiting work well together. When you combine the two services, the Call waiting tone you hear when you are on the line will inform you whether the second call is one you want to pick up or not.

TO USE PRIORITY RINGING

1. Press **SPK** key, and listen for a dial tone.
2. Press **PRIORITY RINGING** .

Instructions will guide you through editing or creating your list of priority ringing numbers.

3. When a call comes in from one of those numbers, you will hear a distinctive ring-short-long-short.

You will then know that one of your selected callers is on the line.

VOICE MAIL

Voice Mail Service your calls when you are away from your phone or even while you are on the phone. The indicator Light flashes whenever you have message in your mailbox. And once you have programmed your Voice Mail key with your personal access codes, you can get your message at the touch of a button.

You must subscribe to Voice Mail Service in order for this feature on your phone.

TO Program the Voice Mail Key.

Using this method, you can store up to 32 characters-16character per key-You can program digits, Flash, pause, or in either the Upper or Lower Number, such as your mailbox number, your PIN, and any other additional codes that you need.

Please see Creating a Speed Dial Key on page 9 to see how to program your Voice Mail key.

TO Use Voice Mail

Once you have programmed your Voice Mail key,

You can access your mail box by pressing **VOICE MAIL** key.

Trouble shooting

For your assistance, we have listed several common problems.

Phone does not work, check the following:

1. BASE UNIT is plugged into power source.
2. HANDSET is charged.
3. TONE/PULSE SWITCH is in the right position on the BASEUNIT.
4. LINE CORD is plugged in the jack.

Range of phone limited, check the following:

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

No dial tone, check the following:

1. Telephone plug is connected to the telephone line.
2. 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.
3. ANTENNA on the BASE UNIT is raised.

Interference on reception, check the following:

1. Noise may be picked up from electrical products or electrical storms. Generally, this noise is a minor annoyance and should not be interpreted as a defect in your system.

Excess static, check the following:

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

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

1. Reset the HANDSET by placing it on the BASE UNIT for 2 to 5 seconds.

Answering System does not work, check the following:

1. BASE UNIT is plugged into power source.

2. Press and hold the MEMO button on the BASE UNIT and plug the adaptor into the AC wall outlet.
“00” is displayed on the digital display.
3. Press the STOP button on the BASE UNIT. The unit announces “Answering machine is ON. Please change the time and record your announcement”. Then answering system is initialized.

Answering System does not answer calls, check the following:

1. Answer ON/OFF indicator is lit.

Answers calls only after 10 rings, check the following:

1. Answer ON/OFF indicator is lit.
2. Message memory is not full.

Does not respond to remote commands, ensure the following:

1. Correct Remote Access Code is entered.
2. The unit is set on “Tone” mode.

Messages are incomplete, ensure the following:

1. MESSAGE memory is not full.
2. Caller may be hesitating and pausing for more than 7 seconds.

Answers calls but does not record messages, check the following:

1. ANNC/ICM switch is set to ICM.
2. Memory is not full.
3. Extension telephone was not picked up.

Caller ID / Call Waiting ID doesn't work properly, check the following:

1. Verify that the 1'ST CWID UNIT? Function is set correctly . See Step 12.
2. Verify that Caller ID service is active.

Call your local phone company's Business office to ensure that your service are active.

Incomplete Data :

1. Call information was distorted before reaching the unit.

Normal static on the telephone line can cause a line error and an INCOMPLETE message

2. If this condition persists, check with your local phone company to ensure that there is not a problem with your phone line.

NOTE : If no telephones in the house are working, disconnect one set at a time to verify that none of the telephones 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.

Federal Communications Commission Requirements

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

The REN is also useful in determining the quantity of devices that you may connect to your telephone line and still allow these devices to ring when your telephone number is called. In most areas, but not all, the sum of the 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 advance written notice is not possible, the telephone company may temporarily discontinue service without notice if such action is necessary under the circumstances. The telephone company may make changes in its communication facilities, equipment, operations, or procedures where such action is reasonably required in the operation of its business and is not inconsistent with the rules and regulations of the Federal Communications Commission. **Do not attempt to repair or modify this equipment.**

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

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

This equipment should not be used on coin telephone lines. Connection to party line service is subject to state tariffs. If trouble is experienced, disconnect this equipment from the telephone line to determine if it is causing the malfunction. If the equipment is determined to be malfunctioning, its use should be 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 not 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. Re-orient or relocate the receiving antenna.
2. Increase the distance between the equipment and 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.

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 for 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 one year 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 suitable 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.

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 a minimum of 3 weeks for the return of your product unless other instructions are provided by U.S.Electronics. the shipping address of the authorized service center is:

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

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

To Obtain Warranty Service

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

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

For you reference:

Serial Number _____
Date of Purchase _____
Name of Dealer _____

Customer Service Telephone Number :

1-800-338-1694

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