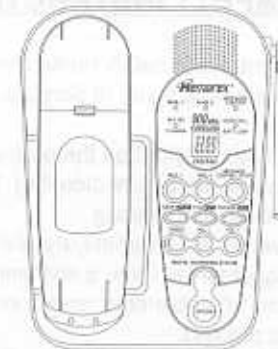


Incoming calls/ Memo messages are cut off	<ul style="list-style-type: none"> The unit will stop recording after 7 seconds of continuous silence or 7 seconds after the caller hangs up (VOX feature). Each incoming message recording is limited to two minutes to conserve message storage space.
Callers cannot leave messages in a specific mailbox	<ul style="list-style-type: none"> Make sure that the ICM REC switch is in the NORMAL position.
Announces "Memory Full"	<ul style="list-style-type: none"> If there is no OGM recorded for the ANNC ONLY setting, "Memory full" is the default OGM for the ANNC ONLY setting. The 10-minute recording limit may have been reached. Erase old messages to make room for new messages.
The Caller ID panel is blank	<ul style="list-style-type: none"> Check the power connection. Check the telephone line cord connections. Check the batteries for proper installation.
The Caller ID does not show the caller's name and / or phone number.	<ul style="list-style-type: none"> The Caller ID unit will not function until you have Caller ID service provided by your local phone company. Call your local phone company to have Caller ID installed on your telephone line. Check your telephone line connections. Make sure all connections are secure and connected. If you pick up the phone <u>before</u> the second ring, the caller information <u>will not</u> be correctly received. If you have telephone answering device (TAD) connected with the unit, set the TAD to answer after two rings or more. If it is a blocked call or an out-of-area call, the caller's name and / or phone number will not appear on the display. If only the caller's phone number appears on the display, it may be a Single Data Message Format (SDMF) call, as opposed to a Multiple Data Message Format (MDMF) call. Please call your local phone company to see which service you have.
Random characters and / or "NO DATA" appear on the LCD display.	<ul style="list-style-type: none"> On rare occasions, the Caller ID information sent by the telephone company may have an error in the transmission. This is not the fault of your Caller ID unit. It can only capture and store the data that was received.
Cannot get Call Waiting Identification on the LCD panel.	<ul style="list-style-type: none"> Subscription to Caller ID Call Waiting (CIDCW) is required from your local phone company for the CIDCW function to operate properly. Call you local phone company for details.

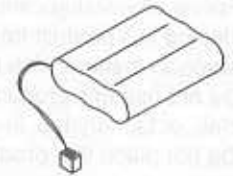
CARTON CONTENTS



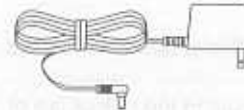
HANDSET



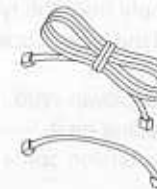
BASE UNIT



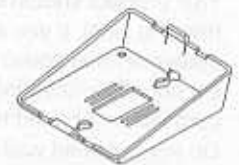
RECHARGEABLE Ni-Cd
BATTERY PACK



ADAPTER
(DC9V, 500mA)



TELEPHONE LINE
CORD
(Short & Long)



WALL MOUNT
BRACKET



BELT CLIP



USER'S MANUAL

IMPROVING CORDLESS RECEPTION

Follow these guidelines to improve cordless sound quality:

- Select an area to install the unit where it is closest to the center of your home or office. This will improve the operating range of the unit.
- Keep the base unit away from electrical equipment. Radio Frequency Interference (RFI) is sometimes generated by these appliances, which can cause a degradation in cordless reception.
- Set the base unit antenna to its vertical position.
- Keep the handset batteries charged as much as possible. Weak handset batteries can limit the range of cordless operation.

MAXIMIZING BATTERY LIFE

Repeated use or recharge of Ni-Cd batteries without periodic full discharge results in reduced useable charge time. When you notice the usable charge duration decreasing, fully discharge the Ni-Cd battery and recharge as described:

DISCHARGING

1. Unplug the telephone line cord from the unit.
2. Make sure that the adapter is connected.
3. Lift the handset out of the base cradle.
4. Press the TALK button of the handset and start discharging.

Once the symbol **LOW** appears on the LCD Display, it means that the battery level is low. Let it fully discharge for 12 hours. Once the Ni-Cd battery is fully discharged, you may now charge the battery to its full capacity.

CHARGING

1. Make sure the adapter and telephone line cord are connected to the unit.
2. Place the handset on the base cradle. The CHARGE LED indicator of the base unit will light steadily.
3. Leave the handset charging on the base for 12 hours continuously to get a maximum charge.
4. The unit is now ready for regular use. Discharge and charge the Ni-Cd battery again once you notice a decrease in the useable charge time.

MAINTENANCE

1. Your phone should be situated away from heat sources such as radiators, heaters, stoves or any other appliance that produces heat.
2. Use a slightly damp cloth to clean the plastic cabinet. A mild soap will help to remove grease or oil. Never use polish, solvents, abrasives or strong detergents since these can damage the finish.

SAVE THESE INSTRUCTIONS



BATTERY SAFETY INSTRUCTIONS

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

1. Use only the following type and size of battery pack:
 - a. For Handset:
Cordless Telephone Battery Pack
DC3.6V, 600mAh, Ni-Cd Battery Pack
 - b. For Base Unit:
1.5V Carbon Zinc or Alkaline, AAA size Batteries (4 Pieces)
2. Do not dispose of the battery in a fire. The cell may explode. Check with local codes for possible special disposal instructions.
3. Do not open or mutilate the battery. Released electrolyte is corrosive and may cause damage to the eyes or skin. It may be toxic if swallowed.
4. Exercise care in handling the battery in order not to short the battery with conducting material such as rings, bracelets and keys. The battery or conductor may overheat and cause burns.
- 5a. For the Handset: Recharge only the battery provided with or identified for use with this product. The battery may leak corrosive electrolyte or explode if it is not the correct type.
- 5b. For the Base Unit: Do not attempt to recharge the battery identified for use with this product. The battery may leak corrosive electrolyte or explode.
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 batteries into this product, the proper polarity or direction must be observed. Reverse insertion of batteries can cause charging that may result in leakage or explosion.
8. Remove the batteries 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" batteries as soon as possible since "dead" batteries are more likely to leak in a product.
10. Do not store this product, or the battery provided with or 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. Disconnect telephone lines before installing batteries.
12. For the Handset: Charge the batteries provided with or identified for use with this product only in accordance with the instructions and limitations specified in this manual.
13. For the Base Unit: Observe proper polarity orientation between the batteries and battery charger.



INSTALLATION PRECAUTIONS

1. Never install telephone wiring during a lightning storm.
2. Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.
3. Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
4. Use caution when installing or modifying telephone lines.

LCD DISPLAY SYMBOLS AND MESSAGES

Different messages are displayed on the LCD display to indicate the status of the Caller ID.

Screen Shown	Meaning
ALL: 10 NEW: 05	ALL CALLS and NEW CALLS This message lets you know how many call records and new call records you have.
DELETE?	DELETE? This allow you to delete single call record.
DELETE ALL?	DELETE ALL? This will allow you to delete all records.
DELETED!	DELETED! This confirms that the call record or records were deleted.
EMPTY	EMPTY When creating speed dialing entries, this message indicates an available memory location.
DATA ERROR	DATA ERROR The message sent is incomplete. This message usually indicates temporary interference or a poor signal from the phone company. There is no problem on the phone.
LONG DISTANCE	LONG DISTANCE The message sent is a long distance call.
NO CALLS	NO CALLS There are no call records stored in memory.
11:10 AM 10/10 CALL # 03 817-456-7890	NUMBER ONLY Either name service is not available in your area or you are subscribed to a number-only service.
11:10 AM 10/10 CALL # 03 817-456-7890 JOHN SMITH\$	TOLL MARK The blinking \$ indicates a Toll Mark. (Qualifier L)
11:10 AM 10/10 CALL # 03 ----- BLOCKED CALL	BLOCKED CALL The caller has purposely chosen to block his / her name and phone numbers from appearing on the Caller ID of the receiving party.
11:10 AM 10/10 CALL # 03 ----- OUT OF AREA	OUT OF AREA The Caller Number might not be available from the caller's area.

TABLE OF CONTENTS

IMPORTANT SERVICE INFORMATION	1
CARTON CONTENTS	2
IMPORTANT SAFETY INSTRUCTIONS	3
BATTERY SAFETY INSTRUCTIONS	4
INSTALLATION PRECAUTIONS	4
INDUSTRY CANADA CERTIFIED	5
DESCRIPTION	8
CONTROLS' LOCATION AND FUNCTION	8
HANDSET CONTROLS - Cordless Telephone	8
HANDSET CONTROLS - Answering System	9
BASE UNIT CONTROLS - Cordless Telephone	10
BASE UNIT CONTROLS - Answering System	11
MOUNTING POSITION	12
DESKTOP USE	12
WALL USE	12
BELT CLIP INSTRUCTION	13
CONNECTING THE HEADSET	13
BASE UNIT POWER CONNECTION	13
HANDSET BATTERY INSTALLATION	14
BASE UNIT BATTERY INSTALLATION	14
INITIAL SETUP	15
TONE / PULSE SETTING	15
SETTING THE BASE UNIT RINGER	15
SETTING THE DAY AND TIME OF THE BASE UNIT	15
SETTING THE HANDSET RINGER	16
SETTING USER'S AREA CODE AND NEIGHBORING AREA CODE	16
TELEPHONE OPERATION	16
TO PLACE A CALL IN TALK MODE	16
TO PLACE A CALL IN STANDBY MODE (PRE-DIAL MODE)	16
TO RECEIVE A CALL	16
LAST NUMBER REDIAL	16
STORING TELEPHONE NUMBERS INTO MEMORY DIALING DIRECTORY.....	17
DELETING STORED TELEPHONE NUMBERS	18
DIALING FROM THE MEMORY DIALING DIRECTORY	18
EDITING STORED TELEPHONE NUMBERS	18
MIXED MODE DIALING	19
PAUSE FUNCTION	19
FLASH FUNCTION	19
CHANNEL SELECTION (40 Channels)	19
OUT OF RANGE WARNING	19
LOW BATTERY WARNING	19
PAGING FUNCTION	19
INTERCOM FUNCTION	19
ANSWERING MACHINE OPERATION	20
VOICE MENU SYSTEM	20
TIME / DAY STAMP	20
SETTING ANSWER ON / OFF	20

PROGRAMMING MODE

A. SUMMARY OF FUNCTION MODE

Function Code	Mode
1	Language Set (English, Spanish, French)
2	CIDCW ON / OFF Set
3	Area Code Set including Neighboring Area Code
4	Callback Number Set (07, 10)
5	Ringer ON / OFF Set
6	Time Set
7	Contrast Set (3 steps)

B. HOW TO CHANGE THE LANGUAGE

1. In standby mode, press SCAN / PRG button.
2. Press 1 button, or press (+) button once. The current language is displayed.
3. Press → or ← button to change the language. The language scrolls as English → Spanish → French.
4. Press SCAN / PRG button to save and exit.

ENGLISH

FRENCH

C. HOW TO SET CIDCW ON / OFF

The factory setting is CIDCW OFF.

1. Ensure that the base unit is power on.
2. In standby mode, press SCAN / PRG button.
3. Press 2 button, or press (+) button two times. The current mode is displayed.
4. Press → or ← button to change the mode.
5. Press SCAN / PRG button to save and exit.

CIDCW OFF

CIDCW ON

NOTE: In CIDCW OFF mode, Call Waiting function will not operate.

D. HOW TO SET USER AND NEIGHBORING AREA CODE

1. In standby mode, press SCAN / PRG button.
2. Press 3 button, or press (+) button three times.
3. Enter your 3 digits area code.
4. If your area is not Split area, press SCAN / PRG button to save and exit.
5. If your area is one of the Split area, enter neighboring area code.

AREA CODE

No area code is registered.

817 -----
AREA CODE

817 913 412
AREA CODE

817 = User's area code, 913 and 412 = Neighboring area code.

6. Press SCAN / PRG button to save and exit.

NOTE: If the number is incorrect, press DEL button and restart on step 3.

E. HOW TO SET CALLBACK NUMBER

This is the number of digits to be called back when making a call using the Call Record and when the area code of the incoming telephone number is same as your area code. Refer to Callback Dial Operation on page 30.

The factory setting is 7 digits.

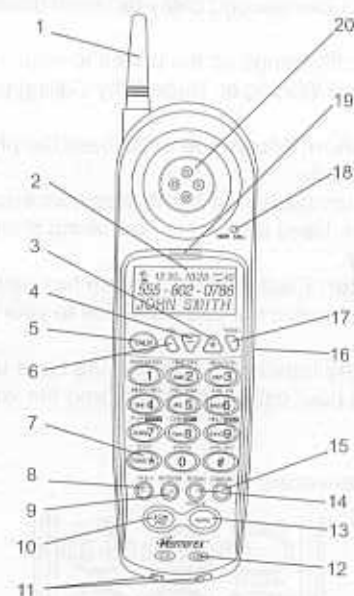
1. Press SCAN / PRG button.
2. Press 4 button, or press (+) button four times. The Callback Number is displayed.
3. Press → or ← button to change the Callback Number. The Callback number scrolls as 07 → 10 → 07.
4. Press SCAN / PRG button to save and exit.

07
CALLBACK NUMBER

10
CALLBACK NUMBER

DESCRIPTION

CONTROLS' LOCATION AND FUNCTION



(Figure 1)

HANDSET CONTROLS - Cordless Telephone

1. **Antenna**
2. **LCD Display:** Shows the phone status, Caller ID Call Record information and function menus.
3. **(+) Button:** Allows you to enter to your Call Record list. It is also used to scroll up in Call Record list, memory and program mode.
4. **(-) Button:** Allows you to enter to your Call Record list. It is also used to scroll down in Call Record list, memory and program mode.
5. **TALK Button:** Press to answer an incoming call, place a call or end a call.
6. **DEL (Delete) Button:** Removes one or all records from the Call Record list or Memory Dialing Directory.
7. **TONE (*) Button:** Used to temporarily change the dialing mode from pulse to tone for rotary service user. Provides tone function to access special services such as phone banking services.
8. **VOL ↑ ↓ (Volume) / ← (Shift Left) Button:** In talk mode, it allows you to adjust the handset volume to either high [H], medium [M] or low [L]. In program, memory and predial mode, it is used for changing mode and moving the cursor to the left during edit mode.
9. **INTCOM / → (Shift Right) Button:** Allows a two way conversation with another person at the base unit. In program mode, memory and predial mode, it is used for changing mode and moving the cursor to the right during edit mode.
10. **SCAN / PRG (Program) Button:** In talk mode, it allows you to change channels if the current channel is noisy or having interference from other sources. In standby mode, it allows you to enter and store program function.
11. **Charge Contacts:** Used for charging the handset battery.

Who provides Caller ID service?	Your local telephone company. However, not all local telephone companies provide Caller ID service. Please call your local phone company to confirm that the service is available before you install the device.
How can I activate my Caller ID?	For your Caller ID unit to function, you must first arrange with your local telephone company to have Caller ID / Call Waiting ID service installed on your line. There is an extra charge added to your monthly telephone bill for this service. Before using this unit, please read this instruction manual carefully.

RECEIVING NEW CALL

- When you receive a new call, the call information is stored under CALLER ID Call Record. In standby mode, you can find how many calls and new calls you have. The "NEW" segment of LCD Display and NEW CALL LED indicator will flash if there is new call(s).
- When you receive a call, the system displays the caller information sent by the telephone company, called a Call Record. The Call Record consists of the following information.
 - The caller's name (if available)
 - The caller's telephone number
 - The time and date of a call
 - A call record number
- If there is no call records, the LCD display shows "NO CALLS".

NEW
ALL:10 NEW:05

11.59PM 10/14 CALL # 03
817-456-7890
NAME

NO CALLS

VIEWING CALL RECORDS AND NEW CALL RECORDS

- In standby mode, press (+) or (-) button to move through the Call Record list. If there is new call(s), the new call(s) will be displayed at first. When you reach either end of the Call Record list, it will return to standby mode. If you continue to press (+) or (-) button, you scroll through the list again.
- Once a new call record is reviewed, the record is not a new call record anymore. But if you view downward using (-) button, the new calls will remain unchanged until all of the new calls are viewed.

ALL:10 NEW:00

SAVING CALL RECORDS

- Your phone stores up to 40 Call Records before the memory becomes full. When the next call comes in, the oldest record drops off and makes room for the new Call Record. To save specific calls, delete old and unnecessary Call Records to keep from filling your phone's memory.

DELETING CALL RECORDS

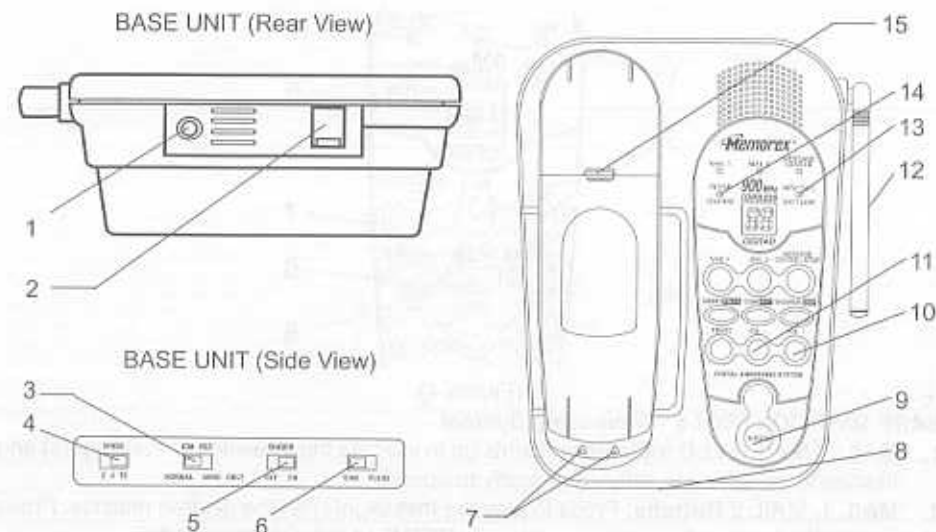
A. DELETING SINGLE CALL RECORD

- Press (+) or (-) button to see your Call Record.
- Press (+) or (-) to find the desired Call Record.
- Press DEL button once and the unit asks if you want to delete the entered Call Record.
- Press the DEL button again to delete the Call Record. If you do not wish to delete the number, press (+) or (-) button to cancel.

817-456-7890
NAME

DELETE?

DELETED!



(Figure 3)

BASE UNIT CONTROLS - Cordless Telephone

- 9VDC Adapter Jack:** A jack located on the rear side of the base unit used for connecting the adapter to the base unit.
- TEL LINE Jack:** Accepts line cord to make connection with modular type telephone outlet.
- ICM REC (NORMAL / ANNC ONLY) Switch:** NORMAL setting allows callers to leave messages up to two minutes each. ANNC ONLY setting announces OGM only, and will hang up unless caller enters a password within seven seconds.
- RINGS Switch:** Selects the number of rings before the unit automatically answers the call and used to activate the Toll Saver (TS) feature.
- RINGER OFF / ON Switch:** Turns the base ringer ON or OFF.
- TONE / PULSE Switch:** Allows you to select the appropriate dialing service. TONE for tone dialing or PULSE for rotary service.
- Charge Terminals:** Used for charging handset battery.
- Microphone:** Used to receive audio signals during conversation at intercom mode and during recording at answering system mode.
- INTCOM Button:** Used to alert the person near the handset when using the two-way intercom feature. Also allows you to locate the handset when it is not on the base.
- Vol ↑ (Volume Up) Button :** Allows you to increase the base unit volume.
- Vol ↓ (Volume Down) Button :** Allows you to decrease the base unit volume.
- Antenna :** Raise for better reception.
- NEW CALL / BATT LOW LED Indicator:** Flashes rapidly if the system has new call message(s) and have message(s) in your voice mailbox (if you subscribe to your telephone company voice mail service). Flashes slowly when the back-up battery power is low.
- IN USE / CHARGE LED Indicator:** Lights up steadily when the phone is being used and when the handset is being charged on the base. Flashes when paging the handset.
- Retainer Tab:** Allows the handset to hang on the base unit in wall mount position.

E. SETTING ANSWER MODE TO ON

- Press 6 within seven seconds after the voice prompt, "For help, press 9," or "Please enter next command."
The unit will announce, "Answering machine is ON." and then it will prompt, "Please enter next command."

F. SETTING ANSWER MODE TO OFF

- Press the keypad # within seven seconds after the voice prompt "For help, press 9" or "Please enter the next command."
The unit will announce "Answering machine is OFF." and then it prompts, "Please enter next command."

G. OGM RECORDING

NOTE: For better sound quality of OGM(s), it is advised to record your OGM(s) on the base unit than recording it remotely on the handset.

- Press 5 and the unit will prompt, "Enter mailbox number."
- Press one of the following keys:

Key	OGM
0	Normal OGM(Message Center)
1	Mail box 1 OGM
2	Mail box 2 OGM
3	Answer only OGM

- The unit will prompt "Please record your announcement after the beep. To stop recording, press STAR(*)"
- Record your announcement.
- To stop recording, press the STAR(*) button. Once STAR(*) button is pressed, the unit will announce "End of recording." The unit will play back the announcement.
- After playback, the unit will then prompt "Please enter next command."

H. OGM PLAYBACK

- Press 8 and the unit will prompt "Enter mailbox number."
- Press one of the following keys:

Key	OGM
0	Normal OGM(Message Center)
1	Mail box 1 OGM
2	Mail box 2 OGM
3	Answer only OGM

The unit will play back the selected OGM.

After playback, the unit will then prompt, "Enter next command."

NOTE: If no user OGM is recorded, the unit will say "You have no announcement."

I. RECORDING A MEMO

- Press 4 and the unit will prompted, "Enter mailbox number."
- Press one of the following keys:

Key	MEMO
0	Message Center MEMO
1	Mail box 1 MEMO
2	Mail box 2 MEMO

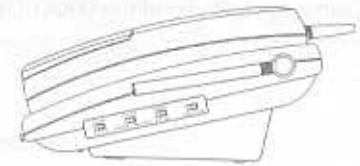
NOTE: An error beep is heard if wrong key is pressed.

- The unit will prompt, "Please record your message after the beep. To stop recording, press STAR(*)"
- Wait for a beep. Speak towards the microphone and record your MEMO message.
- To stop recording, press * or hang up the phone. Once * is pressed, the unit will then announce, "End of recording. Enter next command."

MOUNTING POSITION

DESKTOP USE:

- Install and attach the wall mount bracket onto the bottom of the base at the position as shown in Figure 5.
- Connect the telephone line cord to the TEL LINE JACK on the rear of the base unit and connect the opposite end to the telephone modular jack.

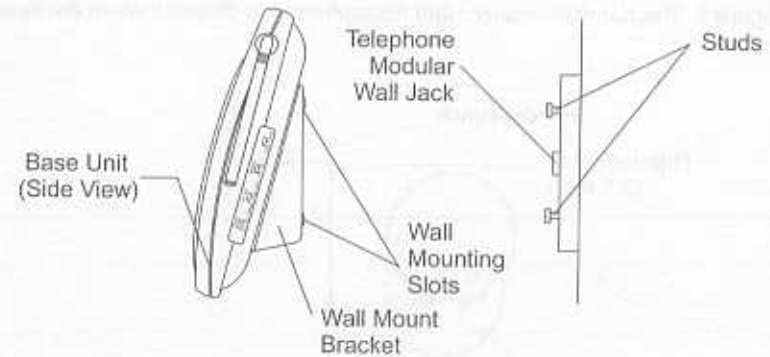


(Figure 5)

WALL USE :

A. WITH A STANDARD MODULAR WALL JACK

- Install the wall mount bracket at the position as shown in Figure 6.
- Connect the short telephone line cord to the TEL LINE jack on rear of the base unit.
- Connect the opposite end of the telephone line cord to the modular wall jack.
- Align the wall mounting slots with the studs located on the modular wall plate and slide the base down to lock in place.

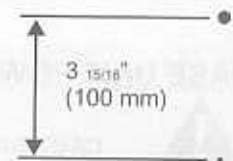


(Figure 6)

NOTE: If you do not have a standard modular wall jack, find a qualified technician to mount one on the wall.

B. WALL MOUNTING (No Standard Wall Jack)

- Drill two holes with a vertical distance between the two marked positions of $3\frac{15}{16}$ " (100 mm) as shown in Figure 7.
- Drive a screw into each of the holes. Tighten them to the end of the screw line, only leaving the smooth part of the screw head outside the wall.
- Hang the unit onto the screws, then slide it down firmly to fasten the base securely.



(Figure 7)

- If you decide to take the call, simply pick up the handset. Begin speaking and the ICM Recording is stopped. The recorded message is stored in memory and the message count is incremented by one.

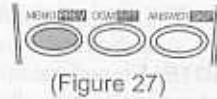
C. FROM THE EXTENSION PHONE

- When the unit answers a call, you will hear your OGM followed by the caller's message through the speaker.
- If you decide to take the call, just lift the handset of the extension phone on the same line as the unit and the ICM recording is stopped. The recorded message is stored in memory and the message count is incremented by one.

TWO - WAY RECORDING

Two - Way Recording allows you to record your conversation with another caller. Two - Way Recording can be enabled during TALK mode while you are using the handset. Two - Way Recording message(s) will be stored in Message Center.

- While in TALK mode, press and **hold** the MEMO button of the base unit. The MESSAGE CENTER LED indicator will turn on. The Digital LED Display will show "2r" to indicate it is in the two-way recording mode.



- Release the MEMO button to end your conversation recording.

NOTE: Recording two-way conversations may be subjected to local state and federal laws and regulations.

VOX (VOICE ACTIVATED) DETECTION

During OGM, ICM or MEMO recording, the unit uses VOX (voice activation) to conserve message storage space. The conditions for the unit terminating a recording are:

- Continuous silence for seven seconds.
- Seven seconds after the caller hangs up.

REMOTE OPERATION

Allows you to access most of the unit's functions away from the base unit using only the handset or any touch tone phone when you call the unit. You can play, review, repeat, skip, erase, and stop messages in all three mailboxes, record a memo or an OGM, set the Answer Mode ON or OFF, change your password, set the time and day, activate the Room Monitor function and the Voice Menu.

USING THE REMOTE OPERATION FUNCTION

There are two ways of using Remote Operation:

- Handset (or Remote Unit), or
- Calling the unit from a Tone Dialing Phone

A. USING THE HANDSET

- Press the REMOTE button to activate the remote function.
- The Digital LED Display shows "rc" to indicate that the Remote Operation is activated.

REMOTE

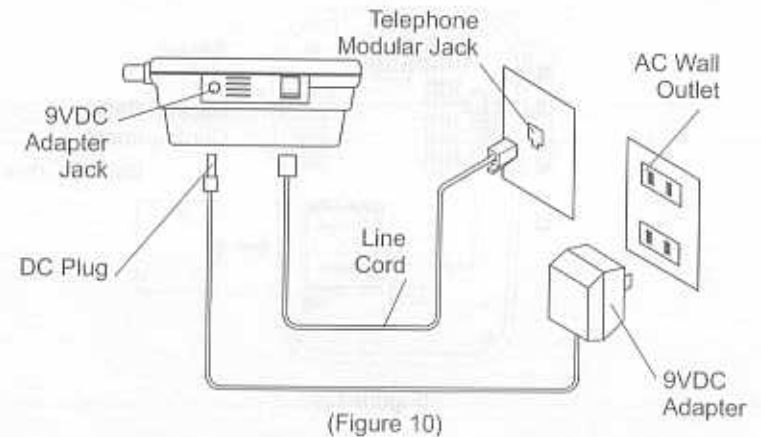
B. CALLING THE UNIT FROM A TONE PHONE

NOTE : The factory preset password for remote operation is "#58".

- Call the unit from a tone dialing phone.
- While the OGM is playing or during ICM recording, enter # plus 2 digit password.
- After a successful password entry, the Remote Operation function is activated.

Once you have activated the Remote Operation function either by handset or through a tone dialing phone to call the unit:

- The unit will announce the total number of messages in Message Center (primary mailbox), and three short beeps will sound as a prompt for the next remote command.



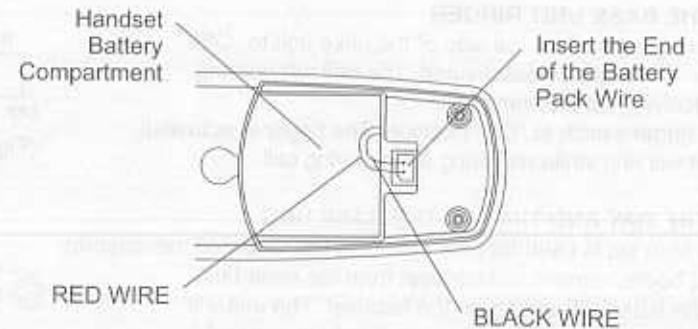
HANDSET BATTERY INSTALLATION



CAUTION:

Use only the Nickel Cadmium (Ni-Cd) battery type included with this unit. Use of other battery types may cause injuries or damage.

- Remove the battery compartment cover of the handset.
- Connect the rechargeable Ni-Cd battery as shown on Figure 11.



- Insert the Ni-Cd battery into the battery compartment of the handset.
- Slide the battery compartment cover firmly in its closed position.

BASE UNIT BATTERY INSTALLATION

- Using a screwdriver, remove the screw securing the battery cover.
- Remove the battery compartment cover of the base unit.
- Connect 4 AAA size 1.5V alkaline batteries (not included) into the battery compartment.
- Screw back the cover of the battery compartment.

NOTE: The 4 AAA 1.5V alkaline batteries serve as the backup power for saving messages and system settings in the event of a power failure.

CHANGING THE OGMs

Changing your OGMs is accomplished by replacing the old OGM with a new OGM. Repeat the steps above to record new OGMs.

NOTE: OGMs can be recorded and changed from the handset or by calling the unit from any Tone dialing telephone. Please refer to the REMOTE OPERATION section on how to change your OGM remotely.

CHECKING THE OGMs

1. Set the ICM REC switch in the desired position.
2. Press the OGM button briefly to hear your previously recorded OGM. If you have not recorded your OGM, the unit will state "You have no announcement."

NOTE: You can stop OGM playback anytime during playback by pressing the MESSAGE CENTER/STOP button on the base unit.

RECORDING A MEMO

A. RECORDING A MEMO INTO A SELECTED MAILBOX

1. Press the MEMO button once on the base unit. A beep will sound and the unit will announce "Enter mailbox number." MAIL 1 or MAIL2 LEDs will flash.
2. Press and **hold** the desired mailbox (MAIL 1 or MAIL 2) button. The Digital LED Display will display "lr" as an indication that memo recording has begun. The corresponding mailbox LED will turn ON. The unit will announce "Please record your message after the beep."
3. While still **holding down** the MAILBOX button, begin your recording. You can record up to a maximum recording time of two minutes.
4. Release the mailbox button when you have finished recording your memo. The unit will announce "End of recording."



(Figure 23)

NOTE: The unit returns to idle state if no mail button is pressed within 10 seconds.

B. RECORDING A MEMO INTO THE MESSAGE CENTER

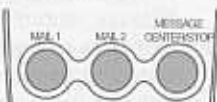
1. Press and **hold** the MEMO button. The MESSAGE CENTER LED will turn on. The unit will announce "Please record your message after the beep." The Digital LED Display will show the elapsed time of the recording.
2. While still **holding** the MEMO button, begin your recording. You can record up to a maximum recording time of two minutes.
3. Release the MEMO button when you have finished recording your memo. The unit will announce "End of Recording." The Digital LED Display will be advanced by one count for the Message Center.

PLAYING BACK MESSAGES / MEMOS

If any of the mailbox LED indicators are ON, it indicates that you have messages. The Digital LED Display normally shows only the number of messages in Message Center. Press MAIL 1 or MAIL 2 button to see how many messages have been recorded in each mailbox.

A. PLAYING MESSAGES

- Press the desired mailbox button (MAIL 1, MAIL 2, or MESSAGE CENTER / STOP). The unit will announce "Mailbox (number). You have (number) message(s)." The Digital LED Display shows the total number of messages in the selected mailbox momentarily, then displays the number of message being played. The unit begins playing the first message to the end. It will announce the message number before each message.



(Figure 24)

SETTING THE HANDSET RINGER


The handset ringer must be set to ring ON position in order to ring when receiving an incoming call. See PROGRAMMING MODE section on page 32.

SETTING THE USER'S AREA CODE AND NEIGHBORING AREA CODE

In order to use call back function, the user's area code and neighboring area code must be programmed. Neighboring area code is optional. See PROGRAMMING MODE section on page 31.

TELEPHONE OPERATION

TO PLACE A CALL IN TALK MODE

1. Press the TALK button on the handset. The LCD Display will show "TALK" and the symbol  will flash while the unit auto-scans and will light steadily when it finds a clear channel. The [M] symbol means that the volume level is medium.
2. Listen for a dial tone.
3. Dial the telephone number. The phone numbers appear on the LCD Display as you enter the number.
4. When finished with your call, press the TALK button or place the handset on the base unit.



(Figure 16)


TO PLACE A CALL IN STANDBY MODE (PRE-DIAL MODE)

1. Ensure that the unit is in standby mode. The base unit IN USE LED indicator is off.
2. Dial the telephone number or press RE / PA button. If you make a mistake in dialing, press ← button to delete the character on the left of the cursor.
3. Press C. BACK button.
4. When finished with your call, press the TALK button or place the handset on the base unit.

TO RECEIVE A CALL

NOTE: If you are expecting incoming calls, the handset must be programmed to RING ON mode. See PROGRAMMING MODE section on page 32.

A. IF THE HANDSET IS ON THE BASE UNIT

1. Since the unit features "Auto-Answer," simply pick up the handset from the base cradle when the phone rings. The LCD Display will show "TALK" and the symbol  will light steadily.
2. Start your conversation.
3. To end your conversation, either press the TALK button or place the handset on the base unit.

B. IF THE HANDSET IS OUT OF THE BASE UNIT

1. When the phone rings, press the TALK button on the handset. The LCD Display will show "TALK" and the symbol  will light steadily.
2. Start your conversation.
3. To end your conversation, either press the TALK button or place the handset on the base unit.

LAST NUMBER REDIAL

A. AFTER HEARING A BUSY TONE WHEN PLACING A CALL

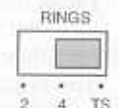
1. If you get a busy tone, press handset TALK button to hang up.

B. TO TURN ANSWER MODE ON

1. Press the ANSWER button until you hear "Answering machine is ON."
2. The Digital LED Display will show the total number of messages in the Message Center (primary mailboxes).

SETTING THE RINGS SWITCH (2 / 4 / TS)

The number of rings before the answering system answers a call can be selected by setting the RINGS switch on the base unit to:



(Figure 19)

- 2 - Two rings
- 4 - Four rings
- TS - Toll Saver

- Toll Saver lets you avoid unnecessary toll charges when calling long distance to remotely retrieve your messages.

The unit can be set to answer the first call on the 4th ring, and all subsequent calls on the 2nd ring by setting the RINGS switch on the Toll Saver (TS) position.

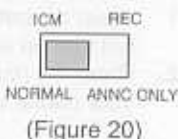
If your unit fails to answer on the 2nd ring, then you know that you do not have any new message(s) in the Message Center. You can hang up before the unit answers and save the cost of the call.

SETTING THE ICM REC SWITCH

Setting the ICM REC switch to NORMAL position allows a caller to leave a message for up to two minutes.

Setting the ICM REC switch to ANNC ONLY allows OGM playback only. ANNC ONLY setting will not record ICMs. In this setting, the Digital LED Display will always display "Ao".

NOTE: Up to 59 messages or a total recording time of 10 minutes for all messages (OGMs, ICMs, and Memos) can be recorded on the unit.



(Figure 20)

MAILBOXES

Messages can be recorded in three mailboxes (Mail 1, Mail 2 and Message Center). You can assign mailboxes to individual family members, business departments, etc. Your OGM tells the caller how to leave messages to specific mailboxes. If a caller does not select a mailbox prior leaving a message, the incoming message will be recorded automatically into Message Center (Primary mailbox).

OUTGOING MESSAGES (OGMs)

This is the announcement callers will hear when the unit answers a call. A maximum of four OGMs (Answer Only, Mail 1, Mail 2 and Message Center) can be recorded up to 30 seconds each. The unit also has a default OGM (factory preset) that is active when there are no OGMs present.

NOTE: Before using your answering system, it is suggested that you record an OGM.

A. NORMAL OGM

- This will be played after the unit answers the call. It should include instructions for the caller on how to access the individual mailboxes. For example:
"Hello, you have reached 555-1234. To leave a message for Peter, press STAR (*) and 1, now. To leave a message for Paul, press STAR (*) and 2, now. To leave a general message, please wait for the tone and then leave your message."

B. ANSWER ONLY (ANNC ONLY) OGM

- You may choose to have the unit make an outgoing announcement without recording messages (the ICM REC switch is set to ANNC ONLY). Here is an example for an Answer Only OGM:
"Hello. Thank you for calling Flora 's flowers. Our hours are from 8:00 AM to 4:00 PM, Monday through Friday. Please call back during our normal business hours. Thank you"

6. Enter the telephone number you want to store. You can enter up to 24 digits. If you make a mistake, press -- button to delete the character on the left of the cursor.
7. Press MEMO to save and exit. But if you want to register more memory, you can press (+) or (-) button instead of MEMO button.

B. STORING TELEPHONE NUMBERS INTO MEMORY DIALING DIRECTORY FROM THE CALLER ID CALL RECORDS

1. Make sure that the unit is in the standby mode. The base unit IN USE LED indicator should be off.
2. Locate the Call Record that you want to copy by pressing (+) or (-) button.
3. Press MEMO button.

If there is an empty slot, the Call Record is saved automatically and you can see the saved memory location on the screen.

Example saved at memory location 10.

If there is no empty slot, the transfer will fail. You must erase one of the speed dialing numbers.

4. The screen returns to the Call Record after 1 second.

817-456-7890
NAME

817-456-7890
SAVE TO #10

MEMORY FULL

DELETING STORED TELEPHONE NUMBERS

A. DELETING SINGLE MEMORY LOCATION

1. Press MEMO button to see your Memory Dialing Directory.
2. Use (+) or (-) button or enter the memory location to find the stored telephone number you want to delete.
3. Press DEL button once and the unit asks if you want to delete the entered memory location.
4. Press the DEL button again to delete the stored phone number. If you do not wish to delete the number, press MEMO button to cancel.

817-456-7890

DELETE?

DELETED!

B. DELETING ALL MEMORY LOCATION

1. Press MEMO button to see your Memory Dialing Directory.
2. Press DEL button once and the unit asks if you want to delete all memories.
3. Press DEL button again to delete all numbers in the Memory Dialing Directory. If you do not wish to delete all numbers, press MEMO button to cancel.

MEMORY

DELETE ALL?

DELETED!

DIALING FROM THE MEMORY DIALING DIRECTORY

1. Press the MEMO button to see your Memory Dialing Directory in standby mode or talk mode.
2. Press (+) or (-) button or enter the memory location to find the memory location you want.
3. Press C. BACK button. The unit will make a call and the selected telephone number will be dialed automatically.

817-456-7890
TALK

EDITING STORED TELEPHONE NUMBERS

1. Ensure that the handset is in standby mode.
2. Press MEMO button on the handset. The LCD Display will show "MEMORY".
3. Search for the stored entry by pressing (-) or (+) button to scroll through the Memory Dialing Directory or by pressing the keypad button to enter the memory location number (01-20) which has the name and number stored.
4. Follow steps 4-7 as described in the section Storing Telephone Numbers Into Memory to overwrite the selected entry.

MIXED MODE DIALING (Temporary Pulse to Tone Dialing)

1. If you only have pulse (rotary dialing) service in your area and want to access Tone services (Bank by Phone, etc.), ensure that the TONE / PULSE switch is set to the Pulse position.
2. Press the TONE (*) button once to switch from Pulse to Tone dialing temporarily. Pulse dialing mode resumes when the call is ended.

PAUSE FUNCTION


- In some cases, such as PABX or long distance service, a pause may be needed in the dialing sequence. Pressing the handset RE / PA button inserts a four-second delay between dialed numbers.

FLASH FUNCTION

- Used to access custom calling features such as Call Waiting or Three-Way Calling provided by your local phone company. Flash can also be used to restore a dial tone to make a new call.

CHANNEL SELECTION (40 Channels)

A. AUTO CHANNEL SCAN

- When you place or receive a call and handset TALK button is pressed, the unit auto-scans for a clear channel.
- Once it finds a clear channel, the handset LCD Display symbol  will light steadily.

B. MANUAL CHANNEL SCAN

- If the existing channel becomes noisy or starts having interference, you can either move closer to the base unit or press the SCAN / PRG button on the handset until better reception is found.




(Figure 17)

OUT OF RANGE WARNING

- The handset and base unit communicate up to a certain maximum range. The distance can be affected by weather, power lines, or even other cordless telephone.
- If you are far away from the base unit, the handset beeps and "OUT OF RANGE" is shown on the LCD Display 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 and see the "OUT OF RANGE" display, you should move closer to the base unit. Otherwise, the call will automatically cut off after 30 seconds.

OUT OF RANGE

LOW BATTERY WARNING

- When the handset battery voltage level is low, the handset  symbol is shown on the LCD Display.
- Return the handset on the base cradle to charge.

PAGING FUNCTION

- Press the INTCOM button located on the base unit which simultaneously sends a signal to the handset. The handset will beep several times, alerting the handset user of an incoming call or to initiate an intercom conversation. Page is also useful to help locate a misplaced handset.

NOTE: Even though the handset is in the RING OFF mode, the page function will still operate.

INTERCOM FUNCTION

A. ACTIVATING THE INTERCOM USING THE BASE

1. Press the INTCOM button on the base. The base unit will beep and the IN USE LED indicator will flash. The handset will sound a repeating series of beeps for 30 seconds to indicate that the Intercom function is activated.



(Figure 18)

2. The handset user must press the INTCOM button to respond.
3. The handset user can now talk to the person at the base unit. The base unit user will hear the handset user through the base unit speaker.

B. ACTIVATING THE INTERCOM USING THE HANDSET

1. Press the INTCOM button on the handset. The IN USE LED indicator on the base unit will flash and the base unit will beep continuously to indicate that the Intercom function is activated.
2. The base unit user can respond by pressing the INTCOM button on the base unit and start conversation.

C. TO END THE INTERCOM FUNCTION USING THE HANDSET

- Press the INTCOM button on the handset or return the handset to the cradle to end the conversation.

D. TO END THE INTERCOM FUNCTION USING THE BASE

- Press the INTCOM button on the base to end the conversation during the intercom mode.

E. IF YOU RECEIVE A CALL WHILE USING THE INTERCOM FUNCTION

- When a ringing is being heard from the handset unit, press the TALK button to disengage the Intercom function and connect you with the incoming call.

F. IF YOU WISH TO USE INTERCOM WHILE ON THE PHONE LINE

1. Press the handset INTCOM button. The line will hold automatically, the Intercom function will turn on after a series of 3 beeps.
2. Press the handset INTCOM button again to disconnect the Intercom mode and resume your phone conversation.

ANSWERING MACHINE OPERATION

The unit features a sophisticated Digital Answering System. Incoming Messages (ICMs), Outgoing Messages (OGMs) and Memo messages are stored electronically into digital memory. Messages are accessed instantly and arranged compactly in this memory. The unit can store 10 minutes of messages (ICMs, OGMs and Memos combined).

VOICE MENU SYSTEM

A sophisticated Voice Menu System has been designed and pre-programmed into the unit. This system will verbally guide you through key operational procedures.

TIME / DAY STAMP

ICMs and Memo messages are automatically voice-stamped with the current time and day. **NOTE:** If the system clock is not set, the unit will announce "The time is OFF." after each message playback. Please refer to the INITIAL SETUP or REMOTE OPERATION section on how to set the system time and day.

SETTING ANSWER ON / OFF

The unit defaults to Answer ON automatically after power up. The unit will announce "Answering machine is ON, please change the time and record your announcement". The Digital LED Display will indicate the total number of message(s) in Message Center (primary mailbox).

A. TO TURN ANSWER MODE OFF

1. Press the ANSWER button on the base unit.
2. The unit will announce "Answering machine is OFF." The Digital LED Display will show "- -".

NOTE: The unit will answer after the 10th ring if the Answering Mode is OFF. Refer to the "REMOTE ANSWER ON" section on how to turn the Answering Mode ON remotely.

BASE CALL
INTERCOM
PAGING
INTERCOM

2. Press the handset TALK button again and listen for a dial tone.
3. Press the handset RE / PA button. This will automatically redial the last telephone number you called (Up to 31 digits)

B. WHEN THE HANDSET IS OFF THE BASE UNIT AND IN STANDBY MODE

1. Press the TALK button on the handset and listen for a dial tone.
2. Press the RE / PA button. This will automatically redial the last telephone number you called (Up to 31 digits).

STORING TELEPHONE NUMBERS INTO MEMORY DIALING DIRECTORY

In addition to your Call Records, you can store up to 20 speed dial names and telephone numbers into memory and you can then dial any of the stored phone numbers. You can also transfer a Call Record into the Memory Dialing Directory.

A. STORING TELEPHONE NUMBERS INTO MEMORY.

1. Make sure that the handset is in the standby mode. The base unit IN USE LED indicator should be off.
2. Press and release the MEMO button. The handset will beep once.
3. Press the (+) or (-) button to locate an available location or enter a memory location. There are available 20 memory locations. Memory location below 10 needs a leading zero such as 01, 02 to 09. If the memory location is available, the LCD Display shows the memory location number and the "EMPTY" message. The flashing line or cursor indicates that the phone is ready for data entry.
4. Enter the name, character by character. You can enter up to 15 characters. Locate the character on the keypads 2 through 9. Press once to enter the first character, twice for the second character, etc. See Name Entry Table. Use ← or → button to move the cursor back and forth through the name entry line. To create a space between characters and words, press the → button twice after the last entered character.

NAME ENTRY TABLE

Key	1 st	2 nd	3 rd	4 th	5 th
1	&	()	1	space
2	A	B	C	2	
3	D	E	F	3	
4	G	H	I	4	
5	J	K	L	5	
6	M	N	O	6	
7	P	Q	R	S	7
8	T	U	V	8	
9	W	X	Y	Z	9
0	0				
*	*				
#	#				

Example: JOHN 1

J	Press 5
O	Press 6 three times
H	Press 4 two times
N	Press 6 two times
(Space)	Press → button two times
1	Press 1 four times

5. Press MEMO button to store the name field. The cursor or marker moves to the telephone number line entry.

C. MAIL 1 AND MAIL2 OGMs

- If the caller has selected a mailbox, they will hear the individual OGM specific to that mailbox. For example:
"This is Mary. Please leave a message after the tone. Thanks!"

D. DEFAULT OGM

- The unit has a built-in default OGM. If you do not record your own OGM(s), the unit will automatically answer incoming calls with the following message: "Please record your message after the beep."

NOTES: The default OGM cannot be changed. If the unit experiences a power failure and the backup batteries are not installed or dead, all recorded OGM(s) will be erased and the unit will revert to the default OGM.

When recording your OGMs, speak slowly in a clear voice. Speak at a distance of 12 to 18 inches from the microphone located at the front side of the unit base unit. The maximum OGM record time is 30 seconds.

RECORDING THE OGM

NOTES: For better sound quality of OGM(s), it is advised to record your OGM(s) on the base unit than recording it remotely on the handset.

A. RECORDING THE NORMAL OGM

1. Make sure the Answer Mode is ON. Press the ANSWER button of base unit to turn Answer Mode ON. The unit will announce "Answering machine is ON".
2. Set the ICM REC switch (located on the right side of the base unit) to the NORMAL position.
3. Press and **hold** the OGM button. The unit will announce "Please record your announcement after the beep."
4. Continue to **hold** the OGM button and begin your outgoing announcement. The Digital LED Display will indicate the elapsed time of the recording.
5. Release the OGM button when you have finished recording. The unit will announce "End of recording." and your OGM will play back once automatically for your review.



(Figure 21)

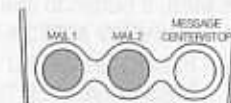
B. RECORDING THE ANSWER ONLY (ANNC ONLY) OGM

1. Make sure the Answering Mode is ON.
2. Set the ICM REC switch (located on the right side of the base unit) to the ANNC ONLY position. The Digital LED Display will show "Ao".
3. Press and **hold** the OGM button. The unit will announce "Please record your announcement after the beep."
4. Continue to **hold** the OGM button and begin your outgoing announcement. The Digital LED Display will indicate the elapsed time of the recording.
5. Release the OGM button when you have finished recording. The unit will announce "End of recording." and your OGM will play back once automatically for your review.

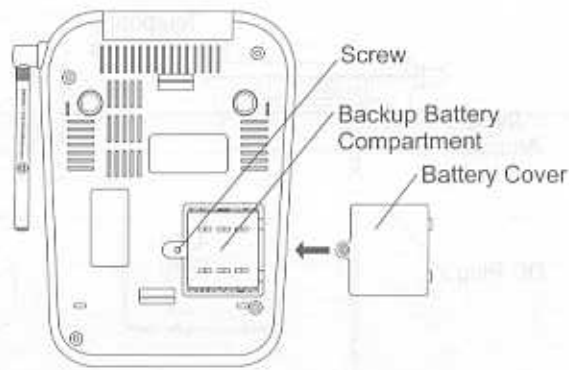
NOTE: You must record an Answer Only OGM to use the Answer Only feature. If no OGM is recorded and ANNC ONLY is selected, the unit will answer all incoming calls with "Memory Full." only, then hang up.

C. RECORDING MAIL1 AND MAIL2 OGMs

1. Make sure the Answering Mode is ON.
2. Press and **hold** the MAIL button (1 or 2). The unit states "Please record your announcement after the beep."
3. Continue to **hold** the MAIL button and begin your outgoing announcement. The Digital LED Display will indicate the elapsed time of the recording.
4. Release the MAIL button when you have finished recording. The unit will announce "End of recording." and your OGM will play back once automatically for your review.
5. Repeat steps 2 through 4 for the next mailbox.



(Figure 22)



(Figure 12)

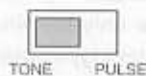
INITIAL SETUP

Before you can use your cordless telephone, the handset must be charged for at least 12 hours. See charging instruction on MAXIMIZING BATTERY LIFE section of this manual.

TONE / PULSE SETTING

Select the appropriate dialing service by moving the TONE / PULSE switch on the side of the base unit:

- TONE for Tone service, or
- PULSE for Rotary service.



(Figure 13)

SETTING THE BASE UNIT RINGER

1. Set the ringer switch at the side of the base unit to "OFF" position. The ringer is deactivated. The unit will not ring while receiving an incoming call.
2. Set the ringer switch to "ON" position. The ringer is activated. The unit will ring while receiving an incoming call.



(Figure 14)

SETTING THE DAY AND TIME OF THE BASE UNIT

NOTE: The time set is used for time stamping the recorded message(s).

1. After 12 hours, remove the handset from the base unit.
2. Press the REMOTE button on the handset. The unit will prompt "You have no new message. For help, press 9." followed by a long beep.
3. Press 2. The unit will announce the default setting of day "Monday" and time "12 A.M.". The unit will prompt "Please enter new day."
4. After hearing a long beep, enter the new day (Monday = 1, Tuesday = 2, Wednesday = 3, etc.). The unit will then prompt "Please enter new time."
5. After hearing a long beep, enter the new hour (01-12).
6. After two beeps, enter the new minute (00-59).
7. After two beeps, press 1 for AM or press 2 for PM. The unit will announce the new day and time followed by a long beep and will prompt "Please enter the next command."
8. Press the REMOTE button to exit the REMOTE mode. Otherwise, the REMOTE function will turn off automatically indicated by long beep and will prompt "End of remote." if not in use for 8 seconds.



(Figure 15)

B. PREVIOUS MESSAGE

- Press the PREV button once during message playback to skip backward one message.

C. REPEATING MESSAGE

- Press the REPEAT button once during message playback.

D. SKIPPING MESSAGES

- Press the SKIP button during message playback to skip to the next message.

E. STOP MESSAGE PLAYBACK

- Press the MESSAGE CENTER / STOP button to stop message playback.



(Figure 25)

ERASING MESSAGES

A. SELECTIVE ERASING

1. Press the ERASE button during message playback. The Digital LED Display will show "ER."
2. The unit will announce "Message (number) erased." and then start the next message.



(Figure 26)

NOTE: Erased messages cannot be retrieved. There is a momentary delay after erasing messages to allow the unit to reorganize and optimize its memory space.

B. ERASING ALL MESSAGES IN THE MESSAGE CENTER

1. Press and **hold** the ERASE button until a beep is heard. The Digital LED Display goes blank (00), and the Message Center (primary mailbox) LED indicator will turn off.
2. The unit will announce "Message erased. You have no message." All messages are now erased in the message center.

NOTE: The unit will announce "You have no message." if there are no more messages.

C. ERASING ALL MESSAGES IN MAILBOX1 OR MAILBOX2

1. Press the ERASE button.
2. The unit will beep and prompt "Enter Mailbox number". The unit will beep and mail 1 and mail 2 LED indicators will flash.
3. Press and **hold** the selected mailbox button until a beep tone is heard. The unit will announce "Messages erased. You have no message". All messages are now erased in the selected mailbox.

MEMORY FULL DETECTION

The memory full condition occurs:

- If 10 minutes of recording time is reached, or
- If 59 messages (i.e. memo, OGM, ICM) have been recorded as indicated by the Digital LED Display shown as "FU". Erasing messages will eliminate this condition.
- If there is an incoming call, the unit will answer the 10th ring and announce "Memory FULL". You can erase any or all the messages remotely after listening to them. Refer to the REMOTE OPERATION section for more details.

CALL SCREENING / AUTO DISCONNECT

You can listen to the caller leave their ICM and decide if you want to answer the call.

A. FROM THE HANDSET (Away From the Base Unit)

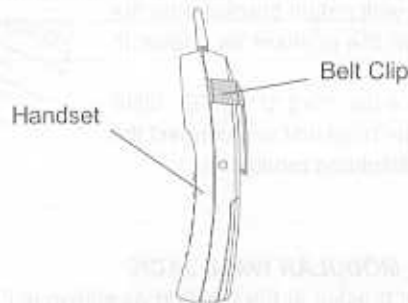
1. When the unit rings, press the REMOTE button on the handset. SCREEN
The unit will immediately answer the call. You will hear your OGM followed by the caller's message through the handset receiver.
2. If you decide to take the call, simply press the TALK button and begin speaking.

B. FROM THE HANDSET (In the Base Unit Cradle)

1. When the unit answers a call, you will hear your OGM followed by the caller's message through the speaker.

BELT CLIP INSTRUCTION

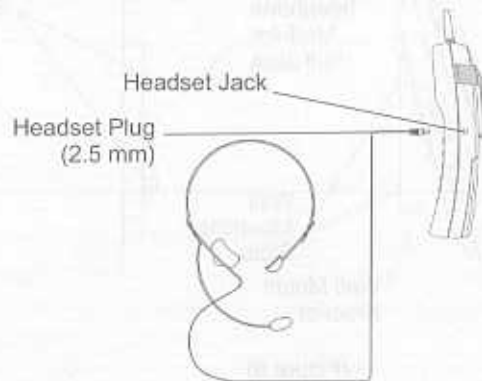
Clamp the belt clip at the back of handset as shown in Figure 8.



(Figure 8)

CONNECTING THE HEADSET

For hands free conversation, a headset (not included) is connected to the headset jack as shown in Figure 9. The handset receiver and microphone are disabled when the headset is connected.



(Figure 9)

Press the TALK button to answer or place a call using the headset. Refer to the manufacturer's headset manual for more details.

BASE UNIT POWER CONNECTION



CAUTION:

You must use a Class 2 Power Source 9VDC 500mA. The plug must correctly fit the base unit's adapter jack.

1. Plug the adapter into a standard AC outlet.
2. Insert the small plug into the adapter jack on the rear of the base as shown in Figure 10. Upon power-up, the Digital LED Display will show "-". After 8 seconds, a long beep will be emitted and announce: "Answering machine is on. Please change the time and record your announcement."

2. The unit will prompt "For help, press 9." and allow 7 seconds for you to enter a command.
3. Pressing 9 will start the Voice Help Menu.
4. At the completion of any function, a beep will sound and the unit will prompt "Please enter next command." for the next command.
5. To end the Remote Operation, press the handset REMOTE button once or place the handset on the base cradle.

NOTE: The unit will announce "End of Remote" if no command is entered within seven seconds after the prompt. The unit will then return to standby mode.

REMOTE COMMANDS

A. VOICE HELP MENU

Press 9 for Voice Help Menu. All remote commands can be entered during playback of the Voice Help Menu. The following table shows the Voice Help Menu:

Key	Function
1	Change Password
2	Change Time and Day
3	Room Monitoring
4 + Mailbox no.(0,1,2)	Record MEMO
5 + Mailbox no.(0,1,2,3)	Record Announcement (OGM)
6	Set Answer Mode to ON
7 + Mailbox no.(0,1,2)	Playback Message (MEMO, ICM)
8 + Mail box no.(0,1,2,3)	Playback Announcement (OGM)
9	Voice Help Menu
*	Stop Function
#	Set Answer Mode to OFF
During playback, you can press the following keys:	
7	Playback Previous Message
8	Repeat a Message
9	Skip Forward to the Next Message
0	Erase a Message
*	Stop Function

B. STOP FUNCTION

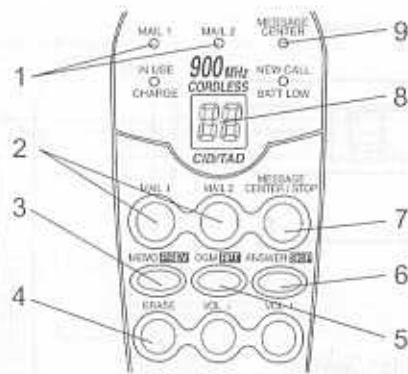
- Press * to abort the current function.

C. CHANGING THE PASSWORD

1. Press the 1 key within seven seconds after the voice prompt "For help, press 9" or "Please enter next command." The unit will prompt "Your password is (current code). Please enter new password."
2. After a long beep, enter your new 2-digit password, and the unit will announce "Your password is (new code). Please enter next command."

D. SETTING THE DAY AND TIME

1. Press the 2 key within seven seconds after the voice prompt "For help, press 9." or "Please enter next command." The unit will announce the current day and time. The unit will prompt "Please enter new day."
2. After a long beep, enter the new day (Monday = 1, Tuesday =2, Wednesday =3, etc.). The unit will then prompt "Please enter new time."
3. After a long beep, enter the new hour (01-12).
4. After two beeps, enter the new minute (00-59).
5. After two beeps, press 1 for AM, or press 2 for PM. The unit will announce the new day and time, followed by a beep. The unit will prompt, "Please enter next command."



(Figure 4)

BASE UNIT CONTROLS - Answering System

1. **MAIL 1, MAIL 2 LED Indicators:** Lights up to indicate the presence of message(s) and flashes to indicate it is active and ready to operate.
2. **MAIL 1, MAIL 2 Buttons:** Press to play the message(s) on the desired mailbox. Press and hold to record the outgoing message (OGM) on the selected mailbox.
3. **MEMO [PREV] Button:** Used to record a memo message for yourself or others and also used for two way recording. Skips to the previous message during playback.
4. **ERASE Button:** Allows you to erase a single message or all messages in order to conserve message space in memory.
5. **OGM [RPT] Button:** Records and plays the outgoing message which the callers hear upon dialing the unit. Replays the current message playing.
6. **ANSWER [SKIP] Button:** Press to activate or deactivate answer function. Skips current message forward to the next message during playback.
7. **MESSAGE CENTER / STOP Button:** Press to play the message(s) on the message center. During playback, press to stop the message being played.
8. **Digital LED Display:** A two-digit LED display to indicate the number of messages and system status. Also displays the current channel number while in TALK mode.

Code	Function
00-59	Message / Timer Count
--	Answer OFF
1r	Memo Recording
2r	Two-way Recording
Ao	Answer Only
An	Answer Calls
In	Intercom
rc	Remote Control
FU	Memory Full
ER	Erasing Message
OP	OGM Playback
Or	OGM Record

9. **MESSAGE CENTER LED Indicator:** Lights up to indicate that there is message(s) on the message center. Flashes to indicate it is active and ready to operate.

J. PLAY MESSAGES

1. Press 7 button and the unit will prompted "Enter mailbox number."
2. Press one of the follow key:

Key	MEMO
0	Message Center MEMO
1	Mail box 1 MEMO
2	Mail box 2 MEMO

NOTE: An error beep is heard if wrong key is pressed.

The unit will prompt: "Mailbox (number). You have (number) message(s)." and playback the message. After the playback, the unit will prompt: "End of message. Please enter next command."

K. PLAYBACK OPTIONS

Review Previous Message : Press 7, to go to the previous message.

Repeat Messages: Press 8, to restart the same message from the beginning.

Skip Message : Press 9, to skip forward to the next message .

Erase a Message : Press 0, to erase a particular message.

Stop Message Playback : Press *, to terminate message playback.

NOTE: The unit will announce "End of message." when all messages have been played.

L. ROOM MONITORING

1. Press 3 within seven seconds after the voice prompt "For help, press 9." or "Please enter next command." This allows you to listen to the sounds in the room where the unit is located.
2. Two beeps will sound when 20 seconds has elapsed and the unit will announce: "Please enter next command."
3. If you wish to resume monitoring, simply press 3 after a beep is heard. Key entry must be within 7 seconds after a beep is heard.

CALLER ID OPERATION

IMPORTANT: Subscription to Caller ID (CID) service from your local phone company is required for using the Caller ID features of the unit. Other optional services such as Message Waiting and Caller ID Call Waiting can be ordered from your local phone company.

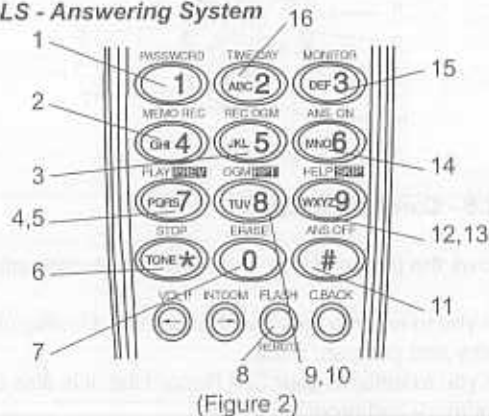
INTRODUCTION TO CALLER ID AND CALL WAITING ID

The unit's Caller ID / Call Waiting ID devices allow you to take advantage of the Caller Identification delivery service offered by your local telephone company. For more information, you can refer to the following Questions and Answers table:

QUESTIONS	ANSWERS
What is Caller ID?	Caller ID is a device that identifies the calling party before you answer a call. This device can be used to screen unwanted calls and eliminate harassment from annoying calls.
What is Call Waiting ID?	Call Waiting ID is a device that can also identifies the call waiting party before you answer a call.
How does Caller ID and Call Waiting ID work?	When used with Caller ID / Call Waiting ID service, the Caller ID / Call Waiting ID device displays the name (if available), and the telephone number (if available) of the person calling before you answer your telephone.

12. **Microphone:** Used for speaking with callers, recording OGMs and memo messages remotely.
13. **RE / PA (Redial / Pause) Button:** Automatically dials the last number called up to 31 digits. Also used to insert a four-second delay between dialed numbers in PABX or long distance services.
14. **FLASH Button:** Momentarily hangs up the phone to regain dial tone or access custom calling features such as Call Waiting or Three-Way Calling provided by your local phone company.
15. **C. BACK (Call Back) Button:** Allows you to callback the phone number in Call Record list, memory and predial mode.
16. **Headset Jack:** Headset connection at hands free conversation.
17. **MEMO (Memory) Button:** Used for storing / retrieving phone numbers to / from the 20 Memory Dialing Directory.
18. **NEW CALL LED Indicator:** Flashes if the system has new call message(s) and have message(s) in your voice mailbox (if you subscribe to your telephone company's voice mail service).
19. **Retainer Slot:** It allows the handset to hang on the base unit.
20. **Receiver:** Allows you to hear calls, messages, and the voice menu prompts from the handset.

HANDBET CONTROLS - Answering System



(Figure 2)

1. **PASSWORD Button:** Press to change password for remote operation.
2. **MEMO REC Button:** Press to record MEMO in mailboxes.
3. **REC OGM Button:** Press to record outgoing messages (OGMs).
4. **PLAY Button:** Press to playback messages.
5. **PREV Button:** Press to skip to the previous message during playback.
6. **STOP Button:** Press to stop current activity.
7. **ERASE Button:** Press to erase messages.
8. **REMOTE Button:** Allows you to access most of the unit's functions away from the base unit using the handset.
9. **OGM Button:** Press to playback outgoing messages (OGMs).
10. **RPT Button:** Press to repeat the message being played.
11. **ANS. OFF Button:** Press to deactivate answer function.
12. **HELP Button:** Press to access voice help menu.
13. **SKIP Button:** Press to skip to the next messages during playback.
14. **ANS. ON Button:** Press to activate answer function.
15. **MONITOR Button:** Press to listen to the surrounding where the base is located.
16. **TIME / DAY Button:** Press to set the day and time stamp.

B. DELETING ALL CALL RECORDS

1. In standby mode, the LCD Display shows the total and new Call Records.
2. Press DEL button once and the unit asks if you want to delete all Call Records.
3. Press DEL button again to delete all Call Records. If you do not wish to delete all numbers, press (+) or (-) button to cancel.

ALL:10 NEW:05

DELETE ALL?

DELETED!

CALLBACK FROM CALL RECORDS

A. CALLBACK OPTION 1

In this option, Callback dial is same as shown on the LCD Display.

1. In standby mode or talk mode, press (+) or (-) button to see your Call Record on the LCD Display.
2. Find the desired Call Record to dial.
3. Press C. BACK button once to dial. The unit will dial as shown on the table below.

817-456-7890
NAME

CALLBACK DIAL OPERATION TABLE

Case	LCD Display	Number of Digits Called Back
1. The area code of incoming telephone number is same as user's area code.	<ul style="list-style-type: none"> • 7 digits when CALLBACK NUMBER is set to 07. • 10 digits when CALLBACK NUMBER is set to 10. • See page 31 on setting the CALLBACK NUMBER. 	<ul style="list-style-type: none"> • 7 digits when CALLBACK NUMBER is set to 07. • 10 digits when CALLBACK NUMBER is set to 10. • See page 31 on setting the CALLBACK NUMBER.
2. The area code of incoming telephone number is same as neighboring area code.	<ul style="list-style-type: none"> • 10 digits 	<ul style="list-style-type: none"> • 10 digits
3. The area code of incoming telephone number is different from user's area code or neighboring area code.	<ul style="list-style-type: none"> • 1 + 10 digits 	<ul style="list-style-type: none"> • 1 + 10 digits

B. CALLBACK OPTION 2

In this option, Callback dials 1+10 digits and your Call Record will be changed to 1+10 digits automatically.

1. In standby mode or talk mode, press (+) or (-) button to see your Call Record on the LCD Display.
2. Find the desired Call Record to dial.
3. Press and hold C. BACK button for about 2 seconds. The unit will dial as shown on the table below.

456-7890
NAME

18174567890
NAME

User's area code = 817

LCD Display	Number of Digits Called Back
7 digits	<ul style="list-style-type: none"> • 1 + user's area code + 7 digits • If the user's area code is not set, 7 digits will be called back.
10 digits	<ul style="list-style-type: none"> • 1 + 10 digits
11 digits	<ul style="list-style-type: none"> • 11 digits

SETTING THE RINGS SWITCH (2 / 4 / TS)	21
SETTING THE ICM REC SWITCH	21
MAILBOXES	21
OUTGOING MESSAGES (OGMs)	21
RECORDING THE OGM	22
CHANGING THE OGMs	23
CHECKING THE OGMs	23
RECORDING A MEMO	23
PLAYING BACK MESSAGES / MEMOS	23
ERASING MESSAGES	24
MEMORY FULL DETECTION	24
CALL SCREENING / AUTO DISCONNECT	24
TWO - WAY RECORDING	25
VOX (VOICE ACTIVATED) DETECTION	25
REMOTE OPERATION	25
USING THE REMOTE OPERATION FUNCTION	25
REMOTE COMMANDS	26
CALLER ID OPERATION	28
INTRODUCTION TO CALLER ID AND CALL WAITING ID	28
RECEIVING NEW CALL	29
VIEWING CALL RECORDS AND NEW CALL RECORDS	29
SAVING CALL RECORDS	29
DELETING CALL RECORDS	29
CALLBACK FROM CALL RECORDS	30
PROGRAMMING MODE	31
NEW CALL / MESSAGE INDICATOR	32
TALKING TIME AND CHANNEL DISPLAY	32
CALL WAITING ID OPERATION	32
LCD DISPLAY SYMBOLS AND MESSAGES	33
IMPROVING CORDLESS RECEPTION	35
MAXIMIZING BATTERY LIFE	35
MAINTENANCE	35
TROUBLESHOOTING	36
TECHNICAL INFORMATION	38

F. HOW TO SET RINGER ON / OFF

1. In standby mode, press SCAN / PRG button.
2. Press 5 button, or press (-) button three times.
The current mode is displayed.
3. Press → or ← button to change mode.
4. Press SCAN / PRG button to save and exit.

RINGER ON

RINGER OFF

G. HOW TO SET TIME

NOTE:The time set is for the LCD Display time. If the CALLER ID signal comes in, the time will adjust automatically.

1. In standby mode, press SCAN / PRG button.
2. Press 6 button, or press (-) button two times.
The current time is displayed.
3. Enter 2 digits hour. The position to edit is blinking.
Use → button to delete error entry.
4. Enter 2 digits minute.
5. Press 1 for AM and 2 for PM.
6. Enter 2 digits month.
7. Enter 2 digits day.
8. Press SCAN / PRG button to save and exit.

12:20 AM 10/20
TIME SET

H. HOW TO ADJUST THE CONTRAST OF LCD DISPLAY

1. In standby mode, press SCAN / PRG button.
2. Press 7 button, or press (-) button once.
The current contrast is displayed.
3. Press → or ← button to change the contrast.
The contrast scrolls as 01 → 02 → 03 (Three steps).
4. Press SCAN / PRG button to save and exit.

02
CONTRAST

NEW CALL / MESSAGE INDICATOR

- On the base unit, NEW CALL LED indicator will flash every 1second when new call comes in. NEW CALL LED indicator will flash every 2 second when voice mail message comes in.
- On the handset, NEW CALL LED indicator will flash every 2 seconds.

TALKING TIME AND CHANNEL DISPLAY

In talk mode, the LCD Display shows the talking time.
The LCD Display as shown means 1 hour and 12 minutes and 10 seconds. The using channel is 32.

1:12 10 32
TALK

CALL WAITING ID OPERATION

Call Waiting ID lets you know who is on call waiting while you are still using the telephone. Before, only a tone alerts you if you have a call waiting. Now, the unit can also show the Caller Identification on Call Waiting (CIDCW) information using the LCD Display.

NOTE: During conversation and the Call Waiting signal comes in, you will hear the data signal. Before you use these features on your unit, you must first subscribe to the services through your local telephone company.

When the Call Waiting signal is heard on the receiver, the LCD Display will show the name and number just like regular Caller ID. If you wish to speak to this person press the FLASH button. The Call Waiting ID Records are stored, reviewed, redialed and edited the same as regular Caller ID Records. Please refer to the CALLER ID OPERATION section for more details.

INDUSTRY CANADA CERTIFIED

RINGER EQUIVALENCE NUMBER

NOTICE: The ringer equivalence number (REN) assigned to each terminal device provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the ringer equivalence numbers of all the devices does not exceed 5.

INDUSTRY CANADA NOTICE

NOTICE: The Industry Canada label identifies certified equipment. This certification means that the equipment meets certain telecommunications network protective, operational and safety requirements. The Department does not guarantee the equipment will operate to the operator's satisfaction.

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company.

The equipment must also be installed using an approved method of connection. The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations.

Repairs to certified equipment should be made by an authorized Canadian maintenance facility designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

Users should ensure for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.



CAUTION: Users should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority, or electrician, as appropriate.



ADAPTER: Use only with Class 2 Power Source 9VDC 500mA.

11:10 AM 10/10 CALL # 03
234-567-8901
NO NAME

NO NAME

The Caller Name might not be available from the caller's area.

11:10 AM 10/10 CALL # 03
234-567-8901
JOHN SMITH *

REPEAT CALL

The blinking * indicates that the Call record information comes multiple.

RINGING

RINGING

The phone is receiving a ring signal.

TALK [M]

TALK

The handset is ON and ready for you to dial. [M] means that the volume level is medium. [L] for low level and [H] for high level.

OUT OF RANGE

OUT OF RANGE

The handset has tried to call but failed or the handset is moved out of range from the base unit in talk mode.

MSG WAIT ON

MSG WAIT ON

This means that your voice mail box has a new message right now.

MSG
ALL:10 NEW:05

MESSAGE WAITING MARK

The MSG mark means that your voice mail box has a new message.

BASE CALL

BASE CALL

This occurs when you are trying to page or locate the handset.

PROGRAM

PROGRAM

This indicates that the unit is ready to program.

INTERCOM

INTERCOM

This means that the unit is in intercom mode.

SCREEN

SCREEN

This means that the unit is in call screening.

REMOTE

REMOTE

It will be displayed when the unit is in remote operation.

SAVE THESE INSTRUCTIONS



IMPORTANT SAFETY INSTRUCTIONS

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

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

TROUBLESHOOTING

SYMPTOMS	POSSIBLE SOLUTION / CAUSE
No dial tone	<ul style="list-style-type: none">• Check that the telephone line cord connectors at both ends are pushed in firmly until they click.• If you had a power failure or had unplugged the base unit, replace the handset on the base unit for two to five seconds to reset the system.
Does not ring	<ul style="list-style-type: none">• Check the RING ON / OFF mode on the handset. Set to the RING ON mode to enable the handset ringer.• Check that the telephone line cord connectors at both ends are pushed in firmly until they click.• You may have exceeded the Ringer Equivalence Number (REN) limit of how many phones can be connected to the same line. The REN total of all devices (printed on the bottom label of each unit) should not exceed five (5). Disconnect the appropriate units to lower the REN total.
No power on the handset unit	<ul style="list-style-type: none">• Check the Ni-Cd battery pack for proper connection inside the battery compartment on the handset.• The handset rechargeable Ni-Cd battery pack may need charging.
Does not charge	<ul style="list-style-type: none">• Check the Ni-Cd battery pack for proper connection inside the battery compartment on the handset.• The charging contacts and terminals may need cleaning with an alcohol-dampened swab.
Range is limited	<ul style="list-style-type: none">• Raise or reposition the antenna on the base.• Move the base unit so that it is centrally located in your residence or office and make sure that the base unit is not located near appliances.• The handset Ni-Cd battery may be weak. Recharge the Ni-Cd battery.• Refer to the section "Improving Cordless Reception".
Interference on reception	<ul style="list-style-type: none">• Choose an alternate channel using the SCAN button on the handset.• Refer to the section "Improving Cordless Reception".
Cannot access Remote Operation	<ul style="list-style-type: none">• The password you have entered may be incorrect. Enter the correct password during OGM playback or within 7 seconds after the OGM has finished playing.
Excessive static	<ul style="list-style-type: none">• Ensure that the antenna is not touching another metal object.• Refer to the section "Improving Cordless Reception".

IMPORTANT SERVICE INFORMATION

Read this manual before attempting to setup or use this instrument. It contains important information regarding safe installation and use. Keep this manual for future reference. Also save the carton, packing and proof of purchase to simplify and accelerate any needed action. If you need assistance or service in Canada, call MEMCORP CANADA at (905) 940-0560. You can also visit our web site at: <http://www.memcorpinc.com> for technical support and information on our other products.



WARNING

To prevent fire or shock hazard, do not expose this product to rain or any type of excess moisture. If accidentally dropped into water, the adapter should immediately be unplugged from the wall along with the telephone line cord.



THIS SYMBOL IS INTENDED TO ALERT THE USER OF THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE OWNER'S MANUAL.

TECHNICAL INFORMATION

This cordless phone 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: Electric pulse noise is present in most homes at one time or another. This noise is most intense during electrical storms. Certain kinds of electric 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 minor annoyances and should not be interpreted as defects in your system.

RANGE: Because radio frequencies are used, location of the base unit can affect operating range. Try several locations in your home or business and pick the one that gives you the clearest signal.

INTERFERENCE: Some electronic devices operate in and/or generate interference near the operating frequencies of your cordless telephone. While several protection circuits are used to prevent unwanted signals, there may be periods when these unwanted signals cause interference. If interference occurs frequently, it can be minimized or eliminated by lowering the height of your base antenna or by relocating the base unit. You can check for interference before selecting the final base unit location by plugging in the phone.

AUTOMATIC DIGITAL SECURITY: This system helps protect the privacy of your telephone conversation from other cordless phones nearby. Whenever the handset is returned to the base, a new security code between the handset and base is randomly generated.

NOTE: If a power failure occurred on the handset or the base or if the handset is out of range from the base for more than 28 seconds, the security code is lost, along with the link between the handset and base. In order to reestablish the security code, return the handset to the base until the IN-USE/CHARGE LED indicator lights and a beep is heard.