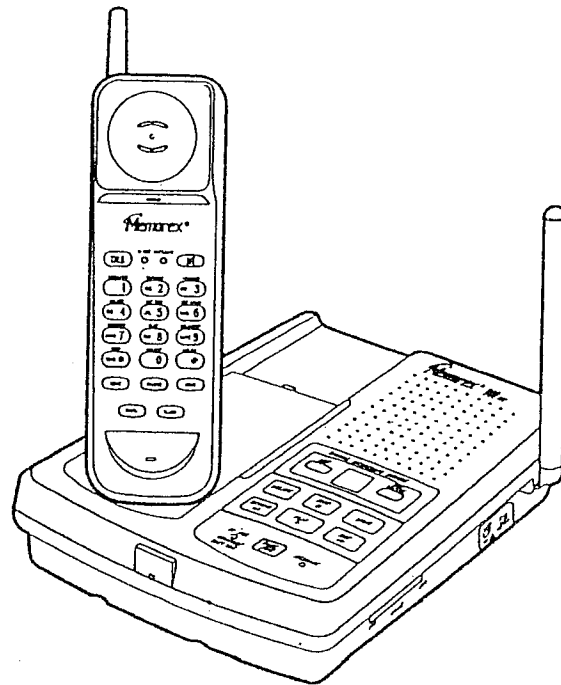900MHz Cordless Phone With Digital Answering System

Model: 39610

BEFORE OPERATING THIS PRODUCT,

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 and 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.

SAVE THESE INSTRUCTIONS

⚠ 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.

⚠ MAINTENANCE

1. Use a 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.
2. Your phone should be situated away from heat sources such as radiators, heaters, stoves or any other appliance that produces heat.

⚠ CAUTION

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

1. Use only the battery pack type provided with the unit.
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.
5. 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.
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 or direction must be observed. Reverse insertion of batteries can cause charging that may result in leakage or explosion.
8. 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.
9. Disconnect telephone lines before installing the battery.

⚠ FCC NOTICE

The FCC requires that you be advised of certain requirements involving the use of this telephone.

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:

☐ Reorient or relocate the receiving antenna.
☐ Increase the separation between the equipment and receiver.
☐ Connect the equipment into an outlet on a circuit different from that to which the receiver is needed.
☐ Consult the dealer or an experienced radio/TV technician for help.

1. This unit is Hearing Aid Compatible.
2. This equipment complies with Part 68 of the FCC rules. On the bottom of this equipment is a label that contains, among other information, the FCC registration number and Ringer Equivalence Number (REN) for this equipment. If requested, provide this information to your telephone company.
3. The REN is useful to determine the quantity of devices you may connect to your telephone line and still have all of those devices ring when your number is called. In most, but not all areas, the sum of the RENs of all devices should not exceed five (5.0). To be certain of the number of devices you may connect to your line, as determined by the REN, you should call your local telephone company to determine the maximum REN for your calling area.
4. If your telephone causes harm to the telephone network, the telephone company may discontinue your service temporarily. If possible, they will notify you in advance. But if advance notice is not 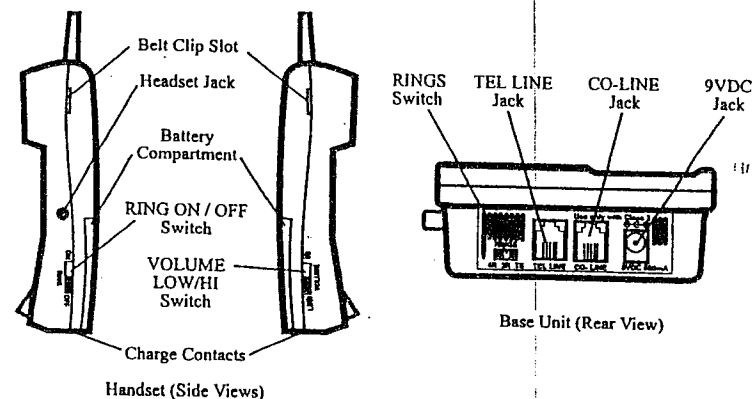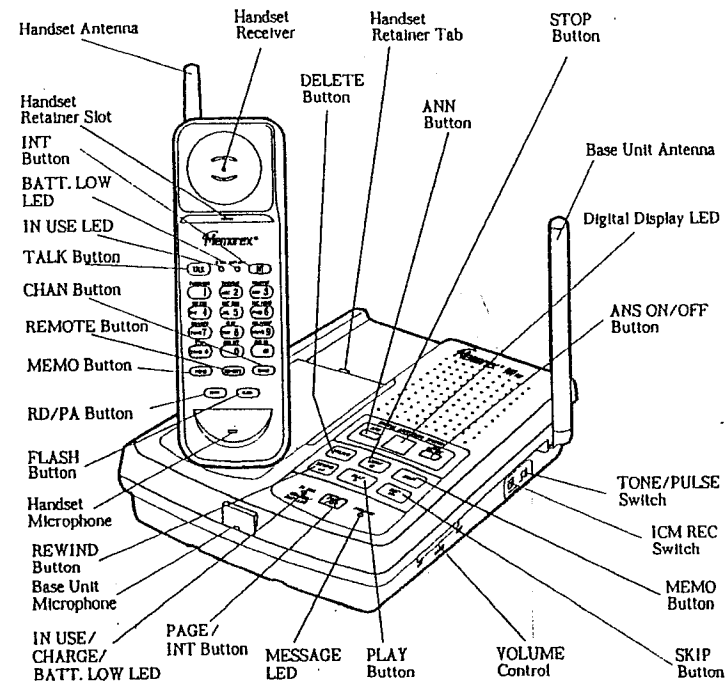practical, you will be notified as soon as possible. You will be advised of your right to file a complaint with the FCC.
5. Your telephone company may make changes to its facilities, equipment, operations or procedures that could affect the proper operation of your equipment. If they do, you will be given advance notice so as to give you an opportunity to maintain uninterrupted service.
6. If you experience trouble with the telephone, please Call 1-800-9193647 for repair/warranty information. The telephone company may ask you to disconnect this equipment from the network until the problem has been corrected or you are sure that the equipment is not malfunctioning.
7. This equipment may not be used on coin service provided by the telephone company. Connection to party lines is subject to state tariffs. (Contact your state public utility commission or corporation commission for information.).

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

Changes or modifications not expressly approved in writing by Memorex®6989 Phones may void the user's authority to operate this equipment.

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

⚠ AC ADAPTOR: USE ONLY WITH CLASS 2 TRANSFORMER, RATED OUTPUT DC9V, 500mA.

Handset Antenna
Handset Receiver
Handset Retainer Tab
STOP Button
Handset Retainer Slot
INT Button
BATT. LOW LED
IN USE LED
TALK Button
CHAN Button
REMOTE Button
MEMO Button
RD/PA Button
FLASH Button
Handset Microphone
REWIND Button
Base Unit Microphone
IN USE/ CHARGE/ BATT. LOW LED
PAGE/ INT Button
MESSAGE LED
PLAY Button
VOLUME Control
DELETE Button
ANN Button
Base Unit Antenna
Digital Display LED
ANS ON/OFF Button
TONE/PULSE Switch
ICM REC Switch
MEMO Button
SKIP Button

Belt Clip Slot
Headset Jack
Battery Compartment
RING ON / OFF Switch
VOLUME LOW/HI Switch
Charge Contacts

RINGS Switch
TEL LINE Jack
CO-LINE Jack
9VDC Jack
Base Unit (Rear View)

Handset (Side Views)

DESCRIPTIONS

-------- (HANDSET) ------

BATT LOW LED Indicator – Flashes slowly when the handset needs to be recharged.

Belt Retainer Clip / Slots – For added convenience, a handset belt clip is included for portability. The clip attaches to the slots located on the sides of the handset receiver.

CHAN (Channel) Button – Allows you to change channels if the current channel is noisy or having interference from other sources.

Charge Contacts – Used for charging the handset batteries. Clean these contacts periodically with a cloth or cotton swab lightly moistened with alcohol.

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.

Handset Retainer Slot – If you decide to have the Memorex® 6989 in the wall mount position, you can place the handset retainer slot to the base unit's handset retainer tab so that it allows the handset to hang on to the base unit.

Headset Jack – Allows you to add a headset to the handset (not included).

INT (Intercom) Button - This button on the handset allows a two-way conversation with another person at the base unit.

IN-USE LED Indicator – Flashes rapidly while the handset a. .-scans, turns on when the handset is in TALK mode, and turns off when you end a call.

MEM (Memory) Button – Used to store /recall up to 10 telephone numbers to / from memory.

Microphone – Used for speaking with callers during TALK mode.

RD/PA (Redial/Pause) Button – (Redial) Automatically dials the last number called. (Pause) Used to insert a four-second delay when storing a phone number into memory.

Receiver – Allows you to hear calls, messages, and the voice menu prompts from the handset.

REMOTE Button – Allows you to access some of the Memorex® 6989 functions away from the base unit using only the handset.

RING ON-OFF Switch – This switch allows you to adjust the ringer volume to either ON or OFF. For normal use, ensure that the switch is in the ON position.

TALK Button – Press this button to place a call, answer a call or end a call.

VOLUME LO/HI Switch – Allows you to adjust the handset volume to either low or high.

------- (BASE UNIT) ------

9VDC Adaptor Jack – A jack located on the rear side of the base unit used for connecting the AC adaptor to the base unit.

ANS. (Answer) ON-O   Button – Press this button to swi.. the answering mode ON or OFF.

Backup Battery Compartment – A 9V battery serves as the backup power for saving messages and settings in memory when a power failure occurs.

Charge Terminals – Used for battery charging. Clean these terminals periodically with a cloth or cotton swab lightly moistened with alcohol.

Digital Display LED – A two-digit LED display to indicate the number of messages and system status.

DELETE Button – Allows you to erase a single message or all messages to conserve message space in memory.

ANN Button – Used to record and check the OGM (Outgoing Message).

Handset Retainer Tab – If you decide to have the Memorex® 6989 in the wall mount position, you can place the handset retainer slot to the base unit's handset retainer tab so that it allows the handset to hang on to the base unit.

IN USE / BATT LOW / CHARGE LED
- Lights solid when the handset is in use and also when the handset is charging on the base unit. Flashes quickly when the handset pages the base unit. Flashes slowly when the base unit backup battery power is low.

PAGE/INT 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.

MEMO Button – Used to record or to playback a memo message for yourself or others.

MESSAGE LED – Flashes to indicate those new messages have been recorded.

Microphone – Used to record your OGM (Outgoing Messages) and memo messages.

REWIND (◄◄) Button – Repeats the previous message and also replays the current message being played.

SKIP (►►) Button – Skips current playback to the next message.

STOP (☐) Button – Stops the incoming and OGM message currently playing.

PLAY (►) Button – Starts message playback.

CO-LINE Jack – An RJ-11 connector which connects to the telephone modular wall jack.

TEL LINE Jack – An RJ-11 connector where an extension phone (optional) connects to.

TONE/PULSE Switch – Allows you to select the appropriate dialing service. TONE for tone dialing or PULSE for rotary service.
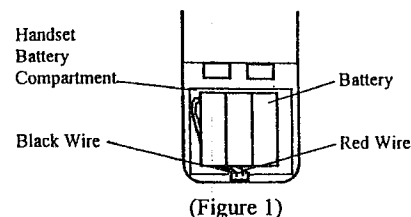
VOLUME Control – Adjusts the base unit speaker volume level.

INSTALLATION

⚠️ **CAUTION:** USE ONLY THE NICKEL CADMIUM (Ni-Cad) BATTERY TYPE INCLUDED WITH THIS UNIT. USE OF OTHER BATTERY TYPES MAY CAUSE INJURIES OR DAMAGE.

Battery Installation (Handset)

1. Remove the battery compartment cover of the handset.
2. Connect the rechargeable Ni-Cad battery as shown below.

Handset Battery Compartment — Battery
Black Wire — Red Wire

(Figure 1)

3. Insert the Ni-Cad battery into the battery compartment of the handset.
4. Replace the battery compartment cover.

NOTE: It is recommended that the Ni-Cad battery should be fully charged overnight prior to initial use. Read "Maximizing Ni-Cad Battery Life" in the Maintenance section of this manual. The handset Ni-Cad battery is continually being charged while it is on the base cradle.

Battery Installation (Base)

The 9V alkaline battery serves as the backup power for saving messages and system settings in the event of a power failure.

1. Using a small flat head screwdriver, remove the battery compartment cover of the base unit.
2. Connect an alkaline 9V battery (not included) into the battery connector of the battery compartment of the base unit.
3. Replace the battery compartment cover.

NOTE: If the handset is out of the base, and if no 9V battery is installed or if the battery installed is low on power, the base unit IN USE/BATT. LOW LED will flash slowly
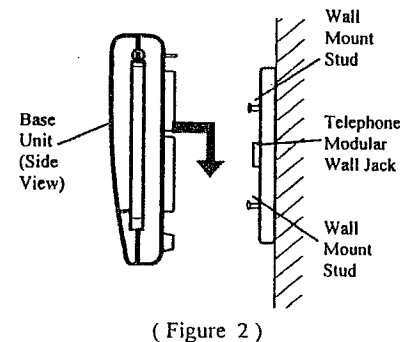
Desktop Connection

Plug a telephone line ⌐.⌐d into the CO-LINE jack on the rear of the Memorex® 6989 and connect the other end into the telephone modular jack located on your wall.

Wall Mounting

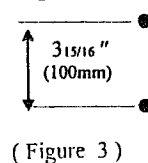You may choose to install the Memorex® 6989 base unit onto a wall.

Wall Mounting (Standard Wall Jack)

1. Connect the short telephone line cord to the CO-LINE jack on the rear of the base unit.
2. Route the short line cord into the groove on the back of the base unit and plug the free end into the wall modular jack.
3. Mount the base unit to he modular wall jack by hooking the studs on the wall plate into the keyhole slots on the back of the base unit as shown in figure 2.
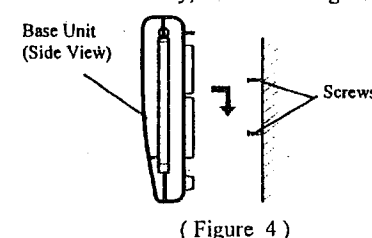

Wall Mount Stud
Base Unit (Side View)
Telephone Modular Wall Jack
Wall Mount Stud

(Figure 2)

Wall Mounting (No Standard Wall Jack)

1. Drill two holes with a vertical distance between the two marked positions of $3_{15/16}$ " (100mm) as shown in figure 3.
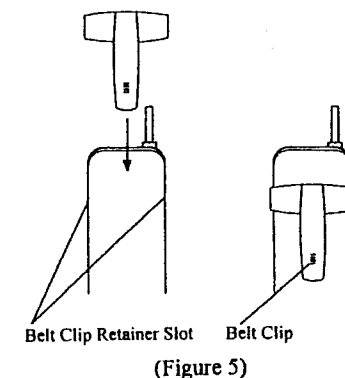

$3_{15/16}$ " (100mm)

(Figure 3)

2. Drive a screw into each of the holes. Tighten then ⌐ the end of the screw lines, only leaving the smooth part of the screw head outside the wall.
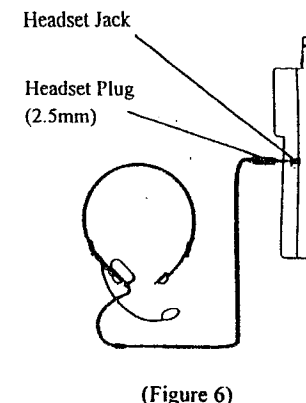3. Hang the unit onto the screws, then slide it down firmly to fasten the base securely, as shown in fig. 4.

Base Unit (Side View)
Screws

(Figure 4)

Installing the Belt Clip

To install the belt clip to the handset, place the belt clip as shown on the diagram below:

Belt Clip Retainer Slot   Belt Clip

(Figure 5)

Connecting the Headset to the Handset

For hands free conversation, a headset (not included) can be connected to the headset jack as shown. Refer to the manufacture's headset manual for more details The handset receiver and microphone are disabled when the headset is connected. See figure 6.

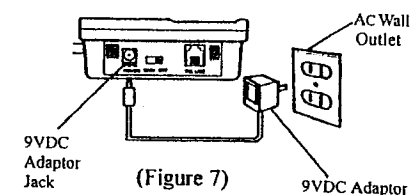* Press the TALK button or appropriate line to answer or place a call using the headset.

Headset Jack
Headset Plug (2.5mm)

(Figure 6)

Note: The headset jack is compatible with 2.5 mm headset plugs only.

POWER CONNECTION

⚠ **CAUTION:** You must use a Class II, 120 VAC Input / 9VDC Output adaptor that delivers at least 500 milliAmps. The plug must correctly fit the machine's 9VDC adaptor jack.

1. Plug the AC adaptor into a standard AC outlet.
2. Insert the small plug into the 9VDC adaptor jack on the rear of the base.

AC Wall Outlet
9VDC Adaptor Jack
(Figure 7)
9VDC Adaptor

NOTES:

* If the 9V backup battery was installed before initial power-up, the unit will beep three times and announce *"Answering machine is ON (or OFF). Please change the time and record your announcement"* and display the

message number (or "*RO*") on the Digital Display LED.
- If the 9V backup battery was not installed before initial power-up, the unit will display " - - " for 10 seconds, beep three times and announce *"Answering machine is ON (or OFF). Please change the time and record your announcement"* and display the message number (or "*RO*") on the Digital Display LED.

INITIAL SETUP
Setting the Day and Time
1. Press the REMOTE key on the handset. The Digital Display will show " *rc* " and the unit will announce the number of messages recorded, followed by *"For help, press 9."*
2. Press 2. The unit will announce the current day and time, followed by *"Please enter new day."*
3. Enter the current day (7=Sunday, 1=Monday, 2=Tuesday, 3=Wednesday, 4=Thursday, 5=Friday, 6=Saturday). The unit will then prompt *"Please enter new time:"*
4. Enter the current hour (01 to 12).The unit will beep twice.
5. Enter the current minute (00 to 59), The unit will beep twice.
6. Press the ✶ (star) key for AM or the "#" key for PM. The unit will then announce the selected day and time.

NOTE: You cannot enter numbers greater than 12. To set "3:00 PM", enter "0300" and press ✶ until "PM" is selected. Also, if no key is pressed for more than 10 seconds, the unit will beep several times and go into standby.
Checking the Current Day and Time
Follow steps 1 and 2 above and press the REMOTE button once the unit announces the current time.

NOTE: If the clock has not been set, the unit will announce: "Set Time:"
Setting the TONE/PULSE Mode
Select the appropriate dialing service by moving the TONE/PULSE switch to:
- TONE for touch tone, or
- PULSE for rotary service.
Adjusting the Speaker Volume
Slide the speaker volume control (located on the side of the base unit speaker) to a desired listening level.

TELEPHONE OPERATION
To Place a Call
1. Press the TALK button on the handset, The handset the IN USE LED will flash briefly while the unit auto-scans and will light solid when it finds a clear channel. The base unit will display the channel number on the Digital Display LED.
2. Wait for a dial tone, then dial the telephone number.
To Receive A Call
If the handset is on the base:
- Simply pick up the handset from the base cradle. The unit will scan for a clear channel, then you can talk to the calling party.
If the handset is out of the base:
- Press the TALK button on the handset. The unit will scan for a clear channel, then you can talk to the calling party.
NOTE: If you expect incoming calls, the RING ON-OFF switch on the handset must be set to ON.
To End a Call
- Press the handset TALK button on the handset or,
- Return the handset to its cradle on the base unit.

Last Number Redial
If you want to call the same number again, simply press the RD/PA button on the handset. The last phone number dialed will be redialed automatically, up to 32 digits.

Intercom / Page Function
Activating the Intercom using the Base
1. The base unit user must press the PAGE/INT button on the base to page the handset user. The IN USE / INT LED will flash on the base unit . The handset will beep for 30 seconds and the IN USE LED will flash.
2. The handset user must press the INT button to respond.
3. The handset user can now talk to the base unit user. The base unit user will hear the handset user through the base unit speaker.
Activating the Intercom using the Handset
1. Press the INT button on the handset. The handset IN USE LED will flash. The IN USE / INT LED on the base unit will flash and the base unit will beep to indicate that the Intercom function is in use.
2. The base unit user can respond by pressing the PAGE/INT button on the base unit and start conversation with the handset user.
To End the Intercom Function
The handset user must press the INT button on the handset or return the handset to the cradle to end the conversation during Intercom mode. The base unit user must press the PAGE/INT button to end the Intercom mode.
If You Receive a Call While Using the Intercom Function:
1. During an Intercom call, you will hear a low volume ringing from the handset.
2. Press the TALK button to disengage the Intercom function and connect you with the incoming call.

Paging the Handset
From the base unit, you can page the handset by pressing the PAGE/INT button to alert the handset user or to

locate the handset if it has been misplaced.
Mixed Mode Dialing (P→T)
If you are in an area that only has rotary (pulse) dialing service, you can temporarily switch to tone dialing by pressing the "✶" (star) button.
Channel Selection (40 Channels)
Channel Scan (Auto-Scan)
When you initiate or receive a call after pressing the TALK button, the Excursion auto-scans for the best channel available out of 40 channels.
NOTE: During TALK mode, the Digital Display LED shows the current channel number, not the message count.
Channel Scan (Manual Scan)
- If the existing channel is noisy or having radio interference, press the CHAN button repeatedly until a clear channel is found.
- If the selection function fails due to interference, the handset will emit an error tone and both units will stay on the current channel.
NOTE: Excessive static for more than 20 seconds can cause the handset to lose link with the base.
Memory dialing (10-Memory)
You can store up to 10 telephone numbers (up to 16 digits each) into memory, and you can then recall any of the stored phone numbers.
Storing Telephone Numbers into Memory
1. Ensure the handset is in standby mode.
2. Press and release the MEM button on the handset.
3. Enter the telephone number you want to store.
4. Press the MEM button again.
5. Press a number (0 through 9) where you want to store the phone number. You will hear a beep to confirm that the number was properly stored.
6. Repeat procedures 1 to 5 to store additional telephone numbers.

Recalling a Number from Memory (Speed Dialing)
1. Press the TALK button.
2. Press the MEM button on the handset.
3. Select and press one of the keypad buttons (0 to 9). The stored telephone number will be dialed automatically.

Changing Stored Phone Numbers
1. Follow the steps described in "Storing Telephone Numbers Into Memory."
2. The new phone number will automatically replace the previous one.

Pause Function
- In some cases, such as PABX or calling cards provided by long distance services, a pause may be needed in the memory dialing sequence. Pressing the RD/PA button inserts a four-second delay between dialed numbers.
- Each four-second pause occupies one digit of the available 16 digits per memory location.

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.

Out of Range Detection
The Memorex® 6989 is equipped with an Out of Range detection system. During a call, the handset will begin beeping if you move too far away from the base unit. Move closer to the base unit to get a stronger signal.
NOTE: If you continue to be out of range for more than 20 seconds, the handset will lose link with the base.

Automatic Digital Security
This system helps protect the privacy of your telephone conversation from other cordless phones nearby by the use of a digital security code automatically

generated (up to 65,5?? combinations) by the Memorex® 6?
NOTE: The security ID code in the Memorex® 6989 handset is stored in nonvolatile memory and is kept even if the power is turned off. However, if the handset loses link with the base unit, return the handset to the base unit to re-establish the link.

ANSWERING MACHINE OPERATION
The Memorex® 6989 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 Memorex® 6989 can store 10 minutes of messages (ICMs OGMs and Memos combined).

Voice Menu Guide
A user-friendly Voice Menu Guide is built-in into the Memorex® 6989 It will verbally guide you through key operational procedures.

Day / Time Stamp
If the Memorex® 's clock is already set as described in the "Setting the Day and Time" section in INITLAL SETUP, incoming messages and memos will automatically be voice-stamped with the current time and day.
NOTE: If the clock is not set, the unit will announce "Time is OFF" and the end of every message played back.

Setting Answer Mode ON/OFF
To Turn Answer Mode ON:
Press the ANS . ON/OFF button on the base unit until you hear "*Answering Machine is ON.*"
To Turn Answer Mode OFF
Press the ANS. ON/OFF button until you hear "*Answering Machine is OFF.*"
NOTE: The Memorex® 6989 will answer after the 10th ring if the Answering Mode is OFF.

Selecting the Answer Mode (ICM) REC-NOR. / AN.)NLY Switch)
You may select from 2 different answering modes (Normal and Answer only).
- Set the ICM REC switch to NOR. (Normal). This setting allows callers to leave messages. With a time limit of two minutes per message.
- Set the ICM REC switch to ANS. ONLY (Answer Only). The Digital Display will show "*AO*". This setting greets the callers with the Answer Only OGM, but does not record incoming messages (ICMs).

Recording Normal OGMs
1. Ensure that the ICM REC switch is set to the NOR. (Normal) setting.
2. Press and hold the ANN. button. The unit will prompt "Please record your announcement after the beep:"
3. While still holding the ANN. button, begin speaking your outgoing announcement in a clear voice. The Digital Display will indicate the remaining time of the OGM recording.
4. Release the ANN. button when you have finished recording. The unit will announce "*End of recording*" and your OGM will playback automatically for your review.
NOTE: When recording your OGMs, speak slowly in a clear voice. Speak at a distance of 8" away from the microphone located at the front side of the Memorex® 6989 base unit. The maximum OGM record time is 30 seconds.

Recording Answer Only OGM
1. Ensure that the ICM REC switch is set to the ANS.ONLY (Answer Only) setting.
2. Press and hold the ANN. button. The unit will prompt "Please record your announcement after the beep:"

3. While still holding the ANN. button, begin speaking your outgoing announcement in a clear voice. The Digital Display will indicate the remaining time (in seconds) of the OGM recording.
4. Release the ANN. button when you have finished recording. The unit will announce "*End of recording*" and your OGM will playback automatically for your review.

Changing your OGMs
Changing your OGMs can be done by simply replacing the old OGM with a new OGM. Repeat the steps described previously to record new OGMs.

Checking Your OGMs
1. Ensure that the ICM REC switch is in the desired setting.
2. Tap the ANN. button briefly to hear your previously recorded OGM. If you have not recorded your OGM, the unit will announce "*You have no announcement.*"
NOTE: If you do not record an OGM, the unit will use the factory default OGMs when answering an incoming call.

Erasing Your OGMs
1. Ensure that the ICM REC switch is in the desired setting.
2. Tap the ANN. button briefly to hear your previously recorded OGM.
3. Press the DELETE button while the OGM is playing. The unit will announce "*Erased announcement:*"
NOTE: The factory default OGMs cannot be erased.

Default OGMs
The Memorex® 6989 has built-in default OGMs. If you do not record your own OGMs, the unit will automatically answer incoming calls with the following default announcements:
Answer Mode: NORMAL
"Please record your message after the beep."

Answer Mode: ANSWER ONLY
"Memory Full."

Recording MEMO Messages
1. Press and hold the MEMO button on the base unit. The Digital Display shows " *Ir* " and prompts *"Please record your message after the beep:"*
2. While still holding the MEMO button, begin speaking. The Digital Display will show elapsed recording time (in seconds).
3. Release the MEMO button when you have finished recording. The unit will announce *"End of Recording."* The Digital Display will then show the current number of messages recorded.

NOTES:
* If MEMO recording is less than two seconds, the unit will prompt *"Please try again."*
* MEMO messages are stored in memory as regular messages. To listen to your MEMO messages, press the PLAY button. For playback options, refer to "Listening to Your Messages".

Listening to Your Messages
If there are messages recorded on your Memorex® 6989, the number of messages will be shown on the Digital Display.

Playing Messages
* Press the PLAY (▶)button. The Memorex® 6989 will announce the number of messages and message number. The message number will be shown on the Digital Display.
* The Memorex® 6989 then begins playing each message, followed by the date and time of recording.
* At the end of the last message, the Memorex® 6989 will announce: *"End of message."*

NOTE: If the Memorex® 6989's clock is not set, the unit will announce *"Time is OFF"* at the end of each message played back.

Repeating Messages
Tap the REWIND (◀◀) button once during message playback.

Skipping Messages
Tap the SKIP (▶▶) button once during message playback to skip forward to the next message.

Stop Message Playback
Tap the STOP (☐) button to stop message playback.

Erasing a Message (Selective Erase)
1. Tap the DELETE button during message playback.
2. The Memorex® 6989 will announce "Message (number), erased" and then start the next message.

Erasing All Messages
1. Press and hold the DELETE button once when the unit is in standby or idle mode.
2. The Memorex® 6989 will announce "Message(s) erased. You have no message."

NOTE: Messages cannot be retrieved once erased.

Setting Ring Delay (RINGS Switch)
You can select the number of rings (2,4 or Toll Saver) before the Memorex® 6989 automatically answers a call. Slide the RINGS switch to the desired setting (2, 4 or TS). The unit will beep once to confirm the Ring Delay setting change.

Toll Saver (TS)
Toll Saver lets you avoid unnecessary toll charges when calling long distance to remotely retrieve your messages. When you call the unit from a tone-dialing phone:
* If the unit answers on the 2nd ring, there is at least one new message.
* If the unit answers on the 4th ring, there are no new messages.

* If the unit answers on the 10th ring, the memory is full.

NOTE: To save on toll charges, you can hang up on the third ring, because you would know that you have messages by the second ring.

Memory Full Detection (*F U*)
If the maximum recording time limit of 10 minutes of recording time is reached or a total of 63 messages are recorded, "*F U*" will appear on the Digital Display to indicate that the Memorex® 6989 memory is full. The unit will also announce *"Memory Full"* at the beginning of message playback if the memory is full.

NOTES:
* The unit will answer an incoming call after 10 rings and announce *"Memory Full"* followed by three short beeps.
* Erase old messages to conserve message storage space in memory.

Call Screening
You can listen to the caller's incoming message through the base unit or handset without having and decide whether to answer the call or not.

Call Screening from the Handset:
1. When the handset rings, press the handset REMOTE BUTTON. The handset IN USE LED will flash.
2. The Memorex® 6989 will play the OGM, and you will hear the caller leave a message.
3. If you decide to take the call, press the TALK button. The handset IN USE LED will light solid.
4. Begin conversation with the caller.

Call Screening from the Base Unit:
1. When the base unit rings, let the Memorex® 6989 answer the call. You will hear the OGM play and the caller leave a message.
2. If you decide to take the call,

base unit (within 9 seconds of ICM recording).
3. Begin conversation with the caller.

NOTE: The message count is incremented by one and shown on the Digital Display.

Two-Way Recording Mode
Two-way recording allows you to record your conversation with another caller. This type of recording can be enabled only during TALK mode while you are using the handset. To record a conversation between you and another caller:
1. While in TALK mode, press and hold the MEMO button on the base unit. The Digital Display will show "*Cr*" to indicate it is in the two-way recording mode.
2. Continue holding the MEMO button throughout the duration of the recording.
3. Release the MEMO button to end your two-way recording session.

NOTE: Recording conversations over the phone may be subject to federal and local laws. Ask the caller for his or her permission to record the conversation or consult with legal assistance before you record a conversation with a caller.

VOX (Voice Detect)

During ICM recording the Memorex® 6989 uses VOX (voice detection) to conserve message storage space. The conditions for the Memorex® 6989 ending a recording are
* Continuous silence for seven seconds.
* Seven seconds after the caller hangs up.

Digital Display Codes
The Digital Display shows certain codes

Code	Function
0-63	Message Count
--	Answer OFF
1r	Memo Recording Mode
2r	Two-Way Recording Mode
An	Answer Calls
In	Intercom Mode
rc	Remote Control Mode
Fu	Memory Full
Ao	Answer Only Mode
op	OGM Playback Mode

REMOTE OPERATION

Allows you to control most of the Memorex® 6989 functions away from the base unit using only the handset or from any tone dialing phone when you call the Memorex® 6989.

Setting the Remote Operation Password

A two-digit remote operation password is required when calling the Memorex® 6989 remotely from a tone-dialing phone. To set your password:

1. Press the REMOTE key on the Memorex® 6989 handset. The Digital Display will show " rc " and the unit will announce the number of messages recorded, followed by "*For help, press 9.*"
2. Press 1. The unit will announce the current password, followed by "*Please enter new password:*"
3. Enter your two-digit password.

NOTE: If no key is pressed for more than 10 seconds, the unit will beep three times and announce "*End of Remote.*"

Checking the Remote Operation Password

1. During standby, press REMOTE. The unit will announce the message

count and prompt "*For help, press 9.*"
2. Press 1. The current Remote Operation password ✳ 58 will be announced.

Using the Remote Operation Function

There are two ways of using Remote Operation:
- Handset (or Remote Unit)
- Calling the Memorex® 6989 from a tone dialing phone

Using the Handset for Remote Operation

1. Press the REMOTE button. The handset IN USE LED indicator will flash and the Digital Display will show " rc " to indicate that the Remote Operation mode is active.
2. From the handset receiver, you will hear the total count of recorded messages. The Voice Menu will then prompt "*For help, press 9.*" You can now enter a remote command at this point or follow the Voice Menu guide after pressing 9.

NOTES:
- If no key is pressed for more than 10 seconds, the unit will beep three times and announce "*End of Remote.*"
- Refer to the Remote Operation Commands for a complete listing of remote command codes.

Calling the Memorex® 6989 from a Tone Dialing Phone for Remote Operation

1. Call the Memorex® 6989 from any tone dialing phone.
2. During or after you hear the OGM playback, press ✳ and your two-digit Remote Operation password. The unit will then announce the total count of messages recorded and prompt: "*For help, press 9.*"
3. At this point, you can follow the Voice Menu Guide for instructions, or you can also use the command

codes as listed in the Remote Operation Commands section.

NOTES:
- If no key is pressed for more than 10 seconds, the unit will beep three times and announce "End of Remote."
- Refer to the Remote Operation Commands for a complete listing of remote command codes.

Remote Operation Commands (Voice Menu Guide)

CODE	FUNCTION (Idle Mode)
1	Change Password
2	Change Time and Day
3	Starts Room Monitoring
4	Erase a Message
5	Record OGM
6	Record a Memo
7	Playback OGM
8	Playback Messages
9	Voice Help Menu
0	Set Answer Mode Off
#	Set Answer Mode On
*	Stop Current Operation
CODE	FUNCTION(During Playback)
7	Skip Backward to the Previous Message
8	Repeat Current Message
9	Skip Forward to Next Message
*	Stop Current Operation

NOTE: When entering remote operation codes, press and hold each digit for at least two seconds for proper entry.

Remote Room Monitoring

The Memorex® 6989 allows you to remotely listen in to the sounds around the area where the unit is located.

Remote Monitoring Through Handset:

1. During standby mode, press the REMOTE button. The unit will announce the number of messages and prompt: "For help, press 9."

2. Press 3. You can now hear the surrounding noise from where the Memorex® 6989 was placed.

Remote Monitoring by Calling From a Tone Dialing Phone

After you have successfully entered your remote operation security password While calling the Memorex® 6989 from another telephone:

1. Press 3 after you hear the prompt "*For help, press 9.*"
2. You can now listen to the ambient Sounds from where the Memorex® 6989 was placed.

POWER FAILURE PROTECTION

One alkaline 9V battery (not included) prevents recorded messages and the call count from being lost in the event of power interruption. The system will return to standby after the power is restored.

IMPROVING CORDLESS RECEPTION

Follow these guidelines to improve cordless sound quality:
- Select an area to install the Memorex® 6989 where it is closest to the center of your home or office. This will improve the operating range of the unit.
- Keep the Memorex® 6989 base unit away from electrical equipment. Radio Frequency Interference (RFI) is sometimes generated by these appliances, which can cause a degradation In cordless reception.
- Extend the base unit antenna to its maximum length and/or upright position.
- Keep the handset batteries charged as much as possible. Weak handset batteries can limit the range of cordless operation.

Maximizing Ni-Cad Battery Life

Repeated use/recharge of Ni-Cad batteries without periodic full discharge results in reduced useable recharge time

When you notice the usable charge duration decreasing, fully discharge the Ni-Cad battery and recharge as described below:

Discharging
1. Unplug the telephone line cord from the Memorex® 6989.
2. Make sure that the AC Adaptor is connected.
3. Press the TALK button of the handset (IN USE indicator should light).
4. Place the handset out of the base cradle to start discharging.
5. Once the battery low indicator starts flashing, it means that the battery level is low. Let it fully discharge for 12 hours or overnight.
6. Once the Ni-Cad battery is fully discharged, you may now charge the battery to its full capacity.

Charging
1. Make sure the AC adaptor and telephone line cord is connected to the Memorex® 6989
2. Place the handset on the base cradle. The unit will beep once.
3. Leave the handset charging on the base for 12 hours to get a maximum charge.

NOTE: The handset is continually being charged while it is on the base cradle.

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 a minor annoyance and ould not be interpreted as a defect 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.

TROUBLESHOOTING GUIDE

SYMPTOMS	POSSIBLE SOLUTION / CAUSE
No dial tone	• Check for the telephone line cord connectors at both ends that they 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	• Check the RING ON/OFF switch on the handset. Switch to the ON position to enable the handset ringer. • Check for the telephone line cord connectors at both ends that they 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	• Check for the Ni-Cad battery pack connection inside the battery compartment on the handset. • The handset rechargeable Ni-Cad battery pack may need charging.
Does not charge	• Check for the Ni-Cad battery pack connection inside the battery compartment on the handset. • The charging contacts and terminals may need cleaning with an alcohol-dampened swab.
Range is limited	• Raise or reposition the antenna on the base or handset. • 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-Cad battery may be weak. Refer to the section "Maximizing Ni-Cad Battery Life" on how to charge or discharge (if necessary) the battery.
Interference on reception	• Choose an alternate channel using the CHAN button on the handset. • Refer to the section "Improving Cordless Reception".
Incoming calls / Memo messages are cut off	• The Memorex will stop recording after 7 seconds of continuous silence or 7 seconds after the caller hangs up (VOX feature). • In Normal answer mode, Each incoming message recording is limited to two minutes to conserve message storage space.

Callers cannot leave messages	The Memorex® 6989 memory may be full. Eras~~~~ ld messages to make room for new messages. • Check to see if the Answer mode is not set in the Answer Only mode.
Displays "*Fu*" on the Digital Display	• Memory is full and the 10 minute recording limit or 63 message limit may have been reached. Erase old messages to make room for new messages.
Cannot access Remote Operation	• The password you entered may be incorrect. Enter the correct password during OGM playback or within 10 seconds after the OGM has finished playing. • Ensure that you press and hold each keypress for at least two seconds for each digit.

AC ADAPTOR:
USE ONLY WITH CLASS 2 TRANSFORMER, RATED OUTPUT 9VDC, 500 mA.

THIS SYMBOL IS INTENDED TO ALERT THE USER OF

THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE

(SERVICING) INSTRUCTIONS IN THE OWNER'S MANUAL.