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 out web site at: http://www.memcorpinc.com for technical support and information on our other products.

 THE EXCLAMATION POINT WITHIN EQUILATERAL TRIANGLE IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING MAINTENANCE(SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE APPLIANCE

 THE LIGHTING WITH ARROW HEAD SYMBOL, WITHIN AN EQUILATERAL TRIANGLE IS INTENDED TO ALERT THE USER TO THE PRESENCE OF UNINSULATED "DANGEROUS VOLTAGE" WITHIN THE PRODUCT'S ENCLOSURE THAT MAY BE OF SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK TO PERSONS.

MC6985

Clock Radio/Caller ID Telephone
CARTON CONTENTS
- Base & Handset
- Telephone Line Cord
- User's Manual
- Warranty Card
- Rechargeable Ni-Cad Battery
- Accessory Order Form
- AC Adaptor

⚠ 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.
15. Use only the power cord and batteries indicated in this manual. Do not dispose of batteries in a fire. They may explode. Check with local codes for possible special disposal instructions.

SAVE THESE INSTRUCTIONS

⚠INSTALLATION PRECAUTIONS

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

Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions , read and follow these instructions:
1.   Use only the battery pack type provided with the unit, McNair SPEC-MD-N350mAh x 3, 3.6V, 350mAh, Ni-Cad.
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 batteries.

⚠ FCC NOTICE

The FCC requires that you be advised of certain requirements involving the use of this telephone.
1.   This telephone is hearing aid compatible.
2.   This equipment complies with Part 68 of the FCC rules and the requirements adopted by the ACTA. On the bottom of this equipment is a label that contains, among other information, a product identifier in the forma US:AAAEQ##TXXXX. If requested, this number must be Provided to telephone company.
3.   The REN is useful to determine the quantity of devices you may connect to your telephone line . Excessive RENs on a telephone line may result in the devices not ringing in response to an incoming call. In most but not all areas, the sum of RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact the local telephone company. [For products approved after July 23, 2001, the

REN for this product is part of the product identifier that has the format *US:AAAEQ##TXXXX.* The digits represented by ## are the REN without a decimal point(*e.g.,* 03 is a REN of 0.3). For earlier products, the REN is separately shown on the label.]

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 contact VTC Service & Manufacturing Co., Inc at (800) 888-8990 or write to: VTC Customer Service, 16988 Gale Ave., City of Industry, CA 91745 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.).

8. USOC jack type is RJ11C and the compatible jack is part 68 compliance.

NOTICE: If your home has specially wired alarm equipment connected to the telephone line, ensure the installation of this [equipment ID] does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your telephone company or a qualified installer.

[NOTICE: According to telephone company reports, AC electrical surges, typically resulting from lightning strikes, are very destructive to telephone equipment connected to AC power sources, To minimize damage from these types of surges, a surge arrestor is recommended.]

⚠ FCC PART 15 WARNING

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

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 in encouraged to try to correct the interference by one or move of the following measures.
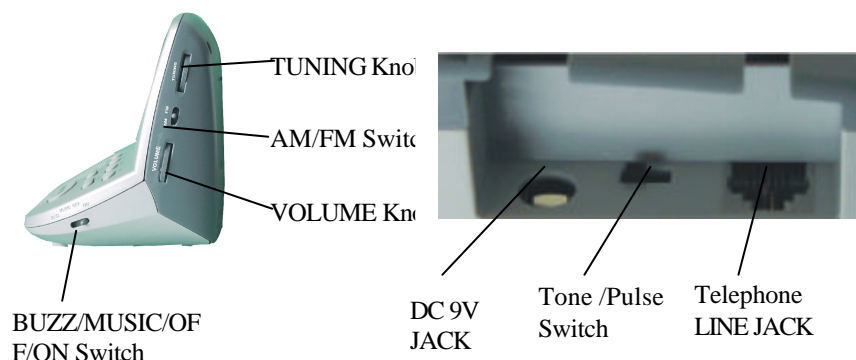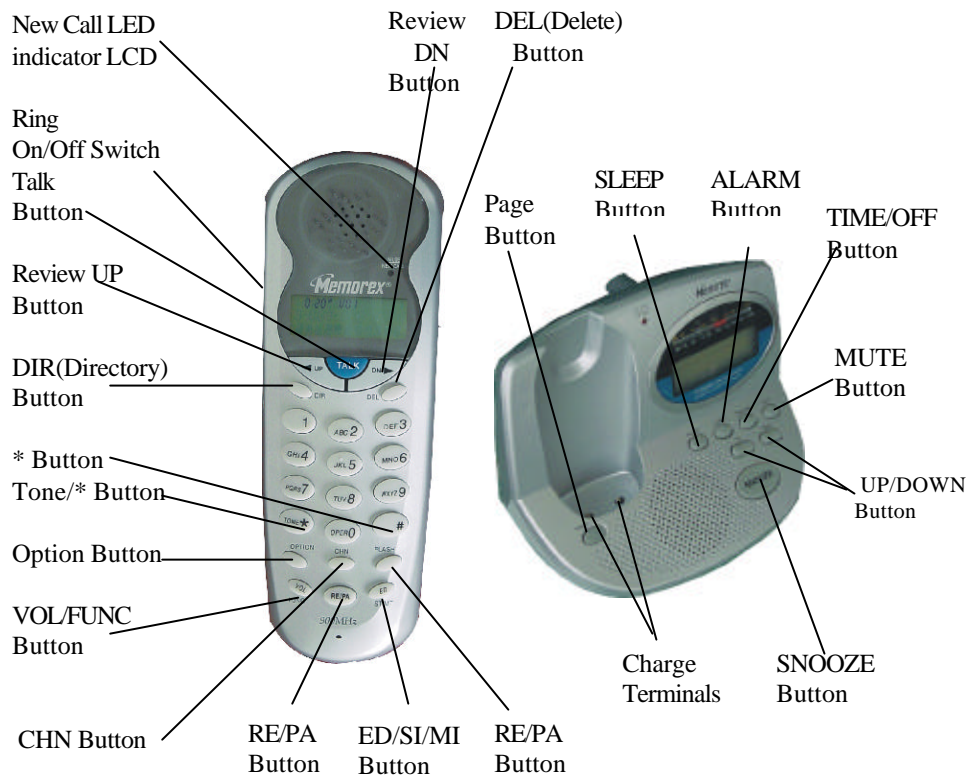
Reorient or relocate receiving antenna.
Increase the separation between the   equipment and receiver.
Connect the equipment in to an outlet on a circuit different form that to which the receiver is needed.
Consult the dealer or an experienced radio/TV technician for help.

MC6985 CONTROLS DIAGRAM

New Call LED
indicator LCD

Review
DN
Button

DEL(Delete)
Button

Ring
On/Off Switch
Talk
Button

Review UP
Button

DIR(Directory)
Button

* Button
Tone/* Button

Option Button

VOL/FUNC
Button

CHN Button

RE/PA
Button

ED/SI/MI
Button

RE/PA
Button

Page
Button

SLEEP
Button

ALARM
Button

TIME/OFF
Button

MUTE
Button

UP/DOWN
Button

Charge
Terminals

SNOOZE
Button

TUNING Knob

AM/FM Switch

VOLUME Knob

BUZZ/MUSIC/OF
F/ON Switch

DC 9V
JACK

Tone /Pulse
Switch

Telephone
LINE JACK

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DESCRIPTIONS

Handset Controls:

Charge Contacts - Used for charging handset batteries. Clean periodically with an alcohol moistened swab.

LCD Panel - Shows the Caller ID call record information, time, date and function menus.

Talk Button - Allows you to receive a call or end a call.

Delete (DEL) Button - Used to delete one or all Caller ID call records.

Review Up/Review Down (UP/DN) Buttons - Allows you to scroll through the stored list of incoming calls and the memories in the phone book.

Directory (DIR) Button - Allows you to retrieve a memory (name and phone number) from the personal directory (up to 40 memories) and to transfer Caller ID memory to personal directory.

Redial/Pause (RE/PA) Button - (Redial) Allows you to automatically dial the last phone number dialed from the handset. (Pause) Pause time is programmable and can be stored when programming a number in memory. Used to insert a pause in the dialing sequence while (for use in PABX or long distance services).

Edit /Store/Mute/ (ED/ST/MT) Button -

(Edit) While function programming, this button allows you to change current function settings. (Store) Usually to confirm the setting while in the function mode. (Mute) To talk privately without being over heard by the calling party, press this button during a phone call.

Channel (CHN) Button – While in TALK mode, it is used to manually select one of the 40 operating channels when you experience interference on the handset.

OPTION Button – Allows you to Change the format of display number.

Volume/Function (VOL/FUNC) Button – (Volume) Allows you to change the receiver level when you are talking. (Function) Allows you to set the specific function during on-hook.

FLASH Button - Momentarily hangs up the phone to access custom calling features such as Call Waiting or Three Way Calling provided by your local phone company.

Tone (*) Button - Used to temporarily change the dialing mode from Pulse to Tone when dialing in the Pulse mode. Provides tone dialing to access special services such as phone banking services.

Ring On/Off Switch - You can set the handset to the following settings:
ON- The handset rings when receiving incoming calls. For normal use, always set the switch to this position.
OFF- Turns off the handset ringer and allows faster charging of the battery pack.

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New Call LED Indicator – Flashes while you have a new call or a piece of message.

Base Controls:

Charge LED Indicator - Lights solid when the handset is being charged by the base unit.

In Use LED Indicator - Flashes slowly when the handset is in the TALK mode.

Power LED Indicator - Lights solid to indicate the unit is powered.

Charge Terminals - Used for charging handset batteries. Clean periodically with an alcohol moistened swab.

Tone/Pulse Switch - Allows you to switch the dialing mode to either Tone or Pulse dialing.

Page Button – To page the handset while the handset is not in the base cradle.

CLOCK ALARM /RADIO CONTROLS:

(ON/OFF/MUSIC/BUZZ) Switch
ON/OFF - Allows you to turn the radio on or off.

MUSIC–This enables the alarm to have a radio at the programmed alarm time.

BUZZ **–** This enables the alarm to have a buzzer beep at the programmed alarm time.

SNOOZE/SLEEP Button Use
SNOOZE Button –
1. Pressing this button temporarily halts the alarm from sounding when the alarm rings.

2. Allow you to review TIME/AL 1/AL 2/
   SECOND.
SLEEP Button—This feature automatically turns off the radio after setting the count down timer.

Mute button – Allow you to turn or off the radio ,when you are talking with a person.

Time/off button –
1.Used to set the current time/date.
2.Allow you to turn off sleep program or alarm.

Volume Control - Allows you to adjust the loudness of the radio by rotating the knob located on the right side edge of the base unit.

AM/FM Switch - Allows you to select either AM or FM band radio.

TUNING Knob - Allows you to select the desired AM/FM radio station.

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.

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
1.   Remove the battery compartment cover of the handset by pressing the raised rib and sliding it down.

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2. Connect the Ni-Cad battery pack plug along the slot into the handset's battery connector as shown below.

Belt Chip

(Figure 2)

Handset

Handset Battery Compartment

Battery Connector Slot

Battery Plug

Red Wire

Black Wire
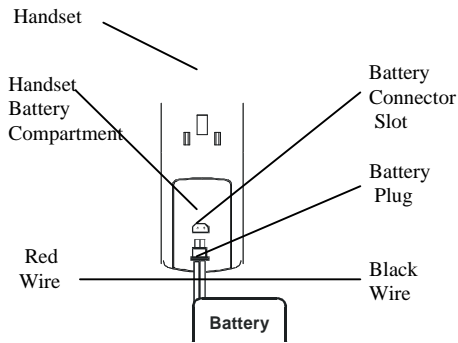
Battery

(Figure 1)

3. Insert the Ni-Cad battery pack into the battery compartment. The LCD panel will turn on in standby mode after three seconds.
4. Replace the battery compartment cover by sliding it up towards the handset.

NOTE: It is recommended that the Ni-Cad battery should be fully charged at least 12 hours prior to initial use.

BELT CLIP INSTALLATION

• Insert one side of the belt clip hook into the matching slots at the top side of the handset as shown in figure 2. Slide the other hook until it locks into place from the opposition side of the handset.

Desktop Connection
1. Select a location near a telephone modular wall jack.
2. Plug one end of the telephone line cord into the telephone line jack on the rear of the base unit.
3. Connect the other end of the line cord into a modular telephone jack located on your wall.

POWER CONNECTION

⚠ **CAUTION:** You must use a Class 2 AC Adaptor with a rating of AC 120 V input, DC 9V, 500 mA output with a center tip that is positive. The adaptor plug must correctly fit the unit's DC 9V jack.
1. Plug the AC adapter into a standard AC outlet.
3. Connect the small adaptor plug into the DC 9V jack on the rear of the base as shown in figure 3.

Tone/Pulse Button   Telephone line jack

DC 9V Jack

AC Outlet

DC 9V Plug
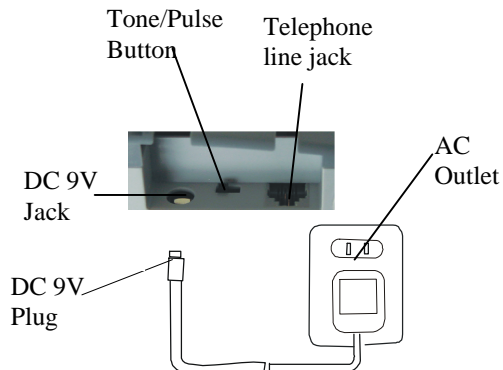
(Figure 3)

HEADSET CONNECTION

One of the special features of your phone is that your handset could utilize a headset (not included) for hands-free communication. Insert the small plug at the end of your headset cord to the headset jack at the side of handset as in figure 5. Follow the procedures discussed in "Placing a Call" and "Receiving a Call" when to place and receive a call. NOTE: The headset jack of your MC6985 is compatible with 2.5 mm headset plugs only. When you plug in the headset into the headset jack, it automatically mutes the microphone and speaker of the handset. Unplug the headset to return the handset to normal use.

Headset Jack
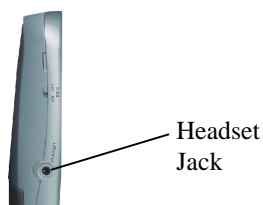
(Figure 4)

GETTING STARTED

During idle / standby mode, the handset LCD panel will display information in the following format:

12 : 00 1 / 01

During active or TALK mode (after *dialing* a call), the handset LCD panel will display the following:

00 01
     555-55555
     Smith John

While the phone is ringing, after the second ring, the handset LCD panel will display the following:

NEW 12 : 00 1 / 01 #01 TOTAL 01
     555-55555
     Smith John

NOTE: The time and date will be set automatically when the first Caller ID call is received.

TELEPHONE OPERATION

To Place a Call
1. Press the TALK button on the handset. The unit will auto-scan for the clearest channel available.

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2. Listen for a dial tone. If you cannot get a dial tone, check your phone cord and power connections. Refer to the troubleshooting chart for more solutions.
3. You may then dial the phone number.

To Receive a Call
The handset will ring and the LCD panel will display the information of the Caller when you are receiving an incoming call.
If the handset is on the base:
• Since the MC6985 features "Auto-Answer," simply pick up the handset from the base cradle when the phone rings and start conversation with the caller.
If the handset is out of the base:
• Press the TALK on the handset and start conversation with the caller.

To End a Call
Since the MC6985 features "Auto-Standby," simply return the handset to the base unit to hang up. You can also press the TALK button to hang up if you are away from the base unit.

Last Number Redial
If you get a busy signal, you can use the RE/PA button to automatically dial the last phone number dialed
1. Pick up the handset and press the TALK button.
2. Listen for a dial tone.
3. Press the RE/PA button to automatically dial the last phone number you dialed.

Flash Function

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While in TALK mode, use the FLASH button to access custom calling features such as Call Waiting or Three-Way Calling provided by your local phone company. Consult your local phone company for more details.

Pause Function
In some cases, such as PABX or long distance service, a pause may be needed in the dialing sequence. Pressing the RE/PA button on the handset inserts a few seconds of delay between dialed numbers. Pause can be inserted into the programmed dialing sequence in memory dialing.

Mixed Mode Dialing
(Temporary Pulse to Tone Dialing)
If you only have pulse dialing available in your area, accessing special services (bank by phone, etc.) require a tone dialing signal. Ensure that your TONE/PULSE switch is set to PULSE. While in TALK mode, press the TONE (*) button to switch from PULSE to TONE dialing temporarily. PULSE dialing mode resumes when the call is ended.

Channel Selection (40 Channels)
Channel Scan (Auto-Scan)
• If you are receiving a call or dialing out and TALK is pressed, the MC6985 auto-scans for the best channel available.
Channel Scan (Manual)
• If the existing channel becomes noisy or starts having interference, press the CHN button on the handset. The MC6985 will automatically scan for the best channel available.

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NOTE: It takes about 2 seconds for the unit to scan to the next clear channel.

Phone Book Memory Directory
This directory lets you scroll through the list to find the person you need for two touch dialing. You can store and recall up to 40 phone numbers from the handset.
Storing Records To Phone Book
1. Ensure the handset is in the standby mode.
2. Press the DIR button on the handset and the LCD will show *"PHONEBOOK"*.
3. Press the EDIT button to enter Edit mode.
4. Enter the number (up to 16 digits) of the person / organization to be stored. Press the STORE button when you have finished entering the phone number.
5. Enter the characters (up to 16 characters) of the person / organization to be stored. Press the STORE button when you have finished entering the phone name.

NOTES:
- If more than 40 phone numbers are already stored and you attempt to store another number, the handset LCD panel will display *"MEMORY FULL"* and beep once.
- Pauses can be programmed into a memory dialing sequence. Each pause occupies one digit. If you are using a switchboard system to access an outside line, press the PAUSE button on the handset to store a pause.

Viewing Records In Phone Book

1. Operative in both standby mode and talk mode.
2. Press the DIR button on the handset and the LCD will show *"PHONEBOOK"*.
3. Press the UP or DN button to search the record you need, press * or # button if the name or telephone number is more than 11 digits.
4. If there is no record in the phone book, the LCD will show *"NO RECORD"*.

Making A Call From Phone Book
1. Ensure the handset is in the standby mode.
2. Press the DIR button on the handset and the LCD will show *"PHONEBOOK"*.
3. Search the record you want to call by reviewing the phone book.
4. Press TALK button to make a call.

Editing Records in Phone Book
1. Ensure the handset is in the standby mode.
2. Press the DIR button on the handset and the LCD will show *"PHONEBOOK"*.
3. Press the UP or DN button to search the record you need, press * or # button if the name or telephone number is more than 11 digits.
4. Press the EDIT button to enter Edit mode.
5. Enter the number (up to 16 digits) of the person / organization to be stored. Press the STORE button when you have finished entering the phone number.

6. Enter the characters (up to 16 characters) of the person / organization to be stored. Press the STORE button when you have finished entering the phone name.

Deleting Records in Phone Book
If you want to erase only one record
1. Ensure the handset is in the standby mode.
2. Press the DIR button on the handset and the LCD will show *"PHONEBOOK"*.
3. Press the UP or DN button to search the record you want to erase.
4. Press the DEL button. The LCD will show *"DEL RECORD?"*.
5. Press the DEL button again to confirm and LCD will show *"REC ERASED!"* with a beep tone.

If you want to erase all record
1. Ensure the handset is in the standby mode.
2. Press the DIR button on the handset and the LCD will show *"PHONEBOOK"*.
3. Press and hold the DEL button for at least 2 seconds, and the LCD will show *"DEL ALL MEM?"*.
4. Press the DEL button again to confirm and LCD will show *"ALL ERASED!"* with a beep tone.

PAGE Function
If you have misplaced the handset or need to alert the person nearby the handset, press the PAGE button on the base unit.

Specific Function

The MC6985 contain four specific functions setting during on-hook (standby) mode.

LCD Contrast Setting
This enables you to select 3 brightness level for LCD display.
1. Press FUNCTION button.
2. Press "UP OR DN" key button.
3. Press TONE * or # button to select the contrast level.
4. Press FUNCTION button again to confirm or press DIR button to exit without save.
5. press DIR button twice to exit.

Time and Date Setting
This enables you to change the LCD time and date manually.
1. Press FUNCTION button.
2. Press "UP OR DN" key button.
3. Press digit keys (0-9) to input the month, day and hour, minute.
4. Press DELECT button to edit wrong digit when entered.
5. Press FUNCTION button again to confirm or press DIR button to exit without save.
6. Press DIR button twice to exit.

Language setting
This enables you to set the telephone operation language.
1. Press FUNCTION button.
2. Press "UP OR DN" key button..
3. Press TONE * or # button to select the operation language within *ENGLISH/FRENCH/SPANISH*.
4. Press FUNCTION button again to confirm or press DIR button to exit without save.

5. Press DIR button twice to exit.

Area Code Setting
This enable you to set the area code in you telephone.
1. Press FUNCTION button
2. Press "UP OR DN" key button.
3. Press digit keys (0-9) to input the area code number.
4. Press FUNCTION button again to confirm or press DIR button to exit without save.
5. press DIR button twice to exit.

Key Tone ON/OFF Setting
This enables you to set on/off the key tone.
1. Press FUNCTION button.
2. Press UP/DN key button.
3. The Key Tone will be set OFF.
4. Allow you to select ON OR OFF by pressing TONE * or #button .
5. Press FUNCTION button again to confirm or press DIR button to exit without save.
6. press DIR button twice to exit.

Call waiting CID ON/OFF Setting
1. Press FUNCTION button.
2. Press UP/DN key button.
3. The CW CID will be set OFF or ON.
4. Allow you to select ON OR OFF by pressing TONE * or #button .
5. Press FUNCTION button again to confirm or press DIR button to exit without save.
6. press DIR button twice to exit.

65,536 Combination Security Coding
The MC6985 uses a digital coding security system to prevent unauthorized use of your telephone line by other cordless phones nearby. The MC6985 has 65,536 possible security code combinations. Each

combination of the code is randomly generated every time the handset is picked up.

Resetting Security Code and Channel
Communication between the handset and the base unit may not be possible in any of the following situations:
1. After a power failure.
2. After relocating the base unit by disconnecting the AC adapter.
3. The handset goes out of range from the base unit.
4. To reset, place the handset on the cradle of the base unit for 5 seconds.

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 MC6985. Other optional services such as Message Waiting and Caller ID Call Waiting can be ordered from your local phone company.

Receiving Caller ID Information
Between the first and second ring, the LCD panel will display the Caller ID information such as name (if available), phone number (if available), date and time of call.
NOTE: The Caller ID information will not be displayed if you pick up the phone before the second ring.

Dialing from Call Records
1. Ensure that the unit is in standby mode.
2. Press the UP/DN button to review your call records.
3. Press the TALK button to make a call.

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Erasing Call Records
The MC6985 can store up to 80 Caller ID call records.   The DEL button can be used to delete previously reviewed call records to conserve call record memory.

To Erase a Single Call Record:
1. Press either the UP or DN button to enter the call history list and display the specific call record to be erased.
2. Press the DEL button.
3. The message "*DEL RECORD? *" will be shown.
4. Press the DEL button once again to confirm and the message *"REC RECORD!"* will be shown, or press DIR button to exit.

To Erase All Call Records:
1. Press and hold the DEL button in standby mode with no pre-dialing digits on LCD for at least 2 seconds.
2. The display will show "*DEL ALL CID? *".
3. Press the DEL button once again to confirm and the message *"ALL ERASED!"* will be shown, or press DIR button to exit.
NOTE: Deleting call records do not affect the names and numbers stored in the separate Directory (DIR) memory.

Option Function
The telephone number is 7 digits
The available formats are as follows:
  7-digit   7-digit telephone number
 10-digit 3-digit area code +
              7-digit telephone number;
 11-digit long distance code "1" +
              3-digit area code +

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              7-digit telephone number;
If a local call and 7-digit number is displayed.
1.   Press the OPTION button once will change it to 10-digit format
(Your own area code + 7-digit telephone number).
2.   Press the OPTION button once again will change it to 11-digit format.
("1" + Your own area code + 7-digit telephone number).
3.   Press the OPTION button once again will go back to the original 7-digit format.

The telephone number is 8 digits
The available formats are as follows:
  8-digit   8-digit telephone number
 11-digit 3-digit area code +
              8-digit telephone number;
 12-digit long distance code "1" +
              3-digit area code +
              8-digit telephone number;
If a local call and 8-digit number is displayed.
1. Press the OPTION button once will change it to 11-digit format
(Your own area code + 8-digit telephone number).
2. Press the OPTION button once again will change it to 12-digit format
("1" + Your own area code + 8-digit telephone number).
3. Press the OPTION button once again will go back to the original 8-digit format.

Transferring a Caller ID Call Record into the Directory (DIR) Memory
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You can transfer a call record into the Directory (DIR) memory by following these steps:
1. While in standby mode, press the UP or DN button to scroll through the list.
2. Press the STORE button and the message *"SAVE CID"* will be shown.
3. Press the STORE button again to confirm and the message *"CID SAVED"* will be shown, or press the DIR button to exit.

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 MC6985 can also show the Caller Identification on Call Waiting (CIDCW) information using the LCD panel. When the Call Waiting signal is heard on the receiver the LCD display will show in the top left hand part of the handset display. At the same time the handset will then display then the name and number of the Call Waiting party will be displayed. 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.

CLOCK/ALARM OPERATION
SLEEP/SNOOZE BUTTON USE:
SNOOZE
1. Pressing this button temporarily halts the alarm from sounding when the alarm rings. After about nine minutes. The alarm will resume sounding again. Each

press of this button will resume sounding 9 minutes later. To "Turn Off" the alarm. Press TIME/OFF button to tune off the current alarm.
2. Press this button allow you to reviewing TIME, AL 1, AL 2 or Second.
Note: When it's in the second position. It will not automatically exit. Other position will automatically exit after 15 seconds .

SLEEP
- This feature automatically turns off the radio after setting the countdown timer.
1. Make sure that the ON/OFF /MUSIC/BUZZ is not set on the ON position.
2. Press and hold the SLEEP button. A number will appear on the display to indicate the number of minutes before the radio is automatically shut off.
3. Continue holding the SLEEP button until the countdown timer minute decreases to your desired setting.
4. Release the SLEEP button.
5. The radio will automatically turn off when the preset SLEEP time is reached.

- The sleep will automatically turn off when you press TIME/OFF button.

Setting the Time
1. Press and hold the time button
2. The time will appear on the LCD screen.
2. Hour you desired by press the UP and DOWN ADJ .
3. Press the time button to shift to minute.
4. Minute you desired by press the UP and DOWN ADJ .

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5. Press the time button to confirm.

Setting the alarm mode
1. Press and hold Alarm button, will display on the LCD and flash the current program AL1 ON.
2. Press the Alarm button to select the following mode:
    AL 1   (AL 1 was only displayed)
    AL 2   (AL 2 was only displayed)
    AL1 &AL 2 (AL 1& AL 2 were displayed)
    AL OFF   (It's nothing displayed)

Setting dual the alarm
1. Press and hold ALARM button. AL 1 will display on the LCD display, the hour will be blinking.
2. Press the UP/DN ADJ button to set the desired hour.
2. Press the ALARM button to shift to minute setting.
3. Press the UP/DN ADJ button to set the desired minute.
4. Press the ALARM button to confirm, and the LCD display will change to AL2 setting , the hour will be blinking.
5. Repeat steps 2-4 to set the Alarm 2

RADIO OPERATION
1. Set the ON/OFF/MUSIC/BUZZ switch to ON.
2. Adjust the volume to your desired listening level by moving the volume control located on the right side of the unit.
3. To change radio stations, adjust the TUNING KNOB to the desired radio frequency. Use the radio LED indicator as your guide in searching for your desired frequency band.

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4. To listen to an AM radio station, set the AM/FM switch to AM. To listen to an FM radio station, set the AM/FM switch to FM.
5. To use the radio as an alarm, please refer to the "Alarm" section of this manual.
6. To improve the radio signal quality, extend the wire antenna located on the rear of the unit to its maximum.

GLOSSARY

Blocked Call - In some areas, callers may be able to block their name or phone number from appearing on the Caller ID LCD display.

Call Record - Caller ID information which is stored in the Caller ID's call memory. The MC6985 can store up to 80 call records.

Phone Book Memory - A storage area where Phone Book memories are placed. The MC6985 can store up to 40 Phone Book memories.

Message Waiting - An optional message service provided by your local phone company. Please check with your local phone company regarding availability and additional information regarding Message Waiting service.

Multiple Data Message Format (MDMF) - This Caller ID message format includes the caller name, caller phone number, date of call, and time of call.

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Out-of-Area Call - This is a call from an area where Caller ID service is not offered or an area that is not yet providing CID delivery to your area via the long distance network

Long Distance Call – When a call is a long distance call, the $$TOLL icon will appear on the LCD screen.

Ringer Equivalence Number (REN) - A number located underneath the base of your phone(s) or phone-related device. The REN is used to determine how many phones can be connected to the telephone line while still having all those devices ring when you receive a call. In most areas, but not all areas, the REN total of all devices should not exceed five (5). Call your local phone company to determine the maximum REN for your calling area.

Single Data Message Format (SDMF) This Caller ID message format includes the caller phone number, date of call, and time of call.

Transmission Errors - On rare occasions, Caller ID information sent by the phone 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.

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 should 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 frequency 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.

Improving Cordless Reception
Follow these guidelines to improve cordless sound quality:
• Select an area to install the MC6985 where it is closest to the center of your ho me or office. This will improve the operating range of the unit.

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- Keep the MC6985 base unit away from electrical equipment. Radio Frequency Interference (RFI) is sometimes generated by these appliances, which can cause a degradation in cordless reception.
- Keep the handset batteries charged as much as possible. Weak handset batteries can limit the range of cordless operation.

Out of Range Detection
The MC6985 is equipped with an Out of Range detection system. If you go too far away from the base during a call the handset may lose link with the base. When this happens, the handset will sound a double short beep every five seconds.

- If you hear this warning signal, you should come closer to the base unit.
- If the warning signal continues, the base unit will lose link with the handset will sound a series of short beeps until the TALK button is pressed. This will return the handset to standby.
- If the MC6985 returns to standby after the warning signal has finished beeping (15 seconds), return the handset to the cradle on the base unit for five seconds to reset.

OPERATING RANGE

The phone operates at the maximum radio frequency allowed by the Federal Communications Commission (FCC). Even so, the maximum operating range may be limited because of conditions like weather, construction of the building, and interference from other sources.

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CHARACTER ENTRY TABLE

If you are assigning names for stored phone numbers into memory, please follow the table below to determine the equivalent keypad keystrokes are needed for a certain character. Please refer to "Storing Phone Numbers into Memory" on how to store phone numbers.

KEYPAD BUTTON	CHARACTERS						
1	SPACE	&	,	(	)	.	1
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					

How To Use This Table
1. Select the appropriate character to be entered from the characters columns.
2. Find the corresponding keypad button located on the same row.
3. Press the corresponding keypad button several times (depending on which column where the selected character is located). For example: if the letter "C" was chosen, press keypad   three times until "C" appears on the LCD panel.

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TROUBLESHOOTING

TELEPHONE UNIT TROUBLESHOOTING TABLE	
SYMPTOM	SOLUTION
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.
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	• Make sure the charging contacts on both the base unit and the handset are in contact during charging. • The charging contacts may need cleaning with a alcohol-moistened cloth.
Range is limited	• 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. • Refer to the "Technical Information" section regarding range.
Calls received flutters or fades	• The handset rechargeable Ni-Cad battery pack may need charging.
Interference on reception	• Choose an alternate channel using the CHN button on the handset.
The alarm keeps on sounding every 9 minutes	• The SNOOZE button may have been pressed. Press the TIME/OFF button to completely turn OFF the alarm.
Radio reception is weak	• Extend the antenna located on the rear of the unit fully. • Adjust the volume control to a comfortable listening level.
The alarm did not sound at the programmed time	• The current time and the alarm time may not have been set properly. Please refer to the section " Setting the Time" and "Setting the Alarm" for more information. • The ON/OFF /MUSIC/BUZZ may be on the ON(radio ON) or OFF(radio OFF) position. To enable the alarm,

	set this switch to either the MUSIC(alarm by radio) or BUZZ (alarm by buzzer).
The radio turns off by itself	• The SLEEP button may have been pressed accidentally. See the "Sleep" section of the manual for more details.
The radio does not work.	• The handset must be on the base cradle for radio function to operate. • Make sure that the ON/OFF/MUSIC/BUZZ switch is to the ON position

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CALLER ID SYSTEM TROUBLESHOOTING TABLE	
SYMPTOM	*SOLUTION*
The Caller ID LCD panel is blank	• Check the batteries for proper installation.
The Caller ID LCD panel does not show the caller's name and/or phone number	• 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 picked up the phone before the second ring, the caller information will not be correctly received. If you have a 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. Please refer to the "Receiving Caller ID Information" section for more details. • 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 consult with your phone company to determine which service you have.
A error beep is heard between the first and second ring	• 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.	● Subscription to Caller ID Call Waiting (CIDCW) is required from your local phone company for the CIDCW function to operate properly. Call your local phone company for details.