



MD2400/MD2401/MD2420

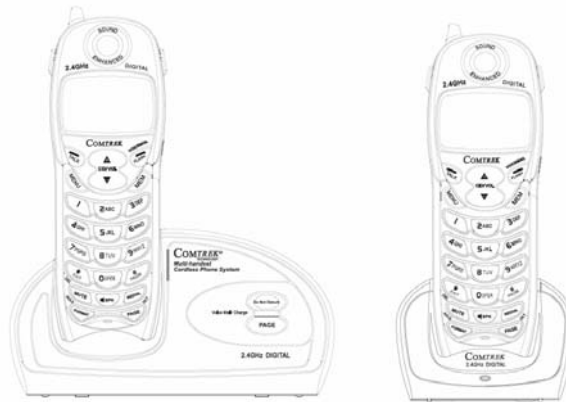
2.4GHz Digital Multi-Handset Cordless Phone System with *EZ-READ* Caller ID



MD2400



MD2420



MD2401

Equipment Approval Information

Your telephone equipment is approved for connection to the Public Switched Telephone Network and is in compliance with parts 15 and 68, FCC Rules and Regulations and the Technical Requirements for Telephone Terminal Equipment published by ACTA.

1 Notification to the Local Telephone Company

On the bottom of this equipment is a label indicating, among other information, the US number and Ringer Equivalence Number (REN) for the equipment. You must, upon request, provide this information to your telephone company.

The REN is useful in determining the number of devices you may connect to your telephone line and still have all of these devices ring when your telephone number is called. In most (but not all) areas, the sum of the RENs of all devices connected to one line should not exceed 5. To be certain of the number of devices you may connect to your line as determined by the REN, you should contact your local telephone company.

A plug and jack used to connect this equipment to the premises wiring and telephone network must comply with the applicable FCC Part 68 rules and requirements adopted by the ACTA. A compliant telephone cord and modular plug is provided with this product. It is designed to be connected to a compatible modular jack that is also compliant. See installation instructions for details.

Notes

- This equipment may not be used on coin service provided by the telephone company.
- Party lines are subject to state tariffs, and therefore, you may not be able to use your own telephone equipment if you are on a party line. Check with your local telephone company.
- Notice must be given to the telephone company upon permanent disconnection of your telephone from your line.
- If your home has specially wired alarm equipment connected to the telephone line, ensure the installation of this product does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your telephone company or a qualified installer.

2 Rights of the Telephone Company

Should your equipment cause trouble on your line which may harm the telephone network, the telephone company shall, where practicable, notify you that temporary discontinuance of service may be required. Where prior notice is not practicable and the circumstances warrant such action, the telephone company may temporarily discontinue service immediately. In case of such temporary discontinuance, the telephone company must: (1) promptly notify you of such temporary discontinuance; (2) afford you the opportunity to correct the situation; and (3) inform you of your right to bring a complaint to the Commission pursuant to procedures set forth in Subpart E of Part 68, FCC Rules and Regulations.

or procedures where such action is required in the operation of its business and not inconsistent with FCC Rules and Regulations. If these changes are expected to affect the use or performance of your telephone equipment, the telephone company must give you adequate notice, in writing, to allow you to maintain uninterrupted service.

Interference 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.

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 (that is, the antenna for radio or television that is "receiving" the interference).
- Reorient or relocate and increase the separation between the telecommunications equipment and receiving antenna.
- Connect the telecommunications equipment into an outlet on a circuit different from that to which the receiving antenna is connected.

If these measures do not eliminate the interference, please consult your dealer or an experienced radio/television technician for additional suggestions. Also, the Federal Communications Commission has prepared a helpful booklet, "How To Identify and Resolve Radio/TV Interference Problems." This booklet is available from the U.S. Government Printing Office, Washington, D.C. 20402. Please specify stock number 004-000-00345-4 when ordering copies.

Licensing

Licensed under US Patent 6,427,009

Hearing Aid Compatibility (HAC)

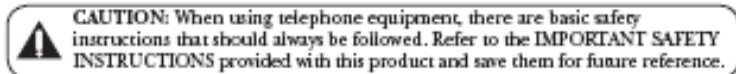
This telephone system meets FCC standards for Hearing Aid Compatibility.



FCC RF Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body. This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter." For body worn operation, this phone has been tested and meets the FCC RF exposure guidelines when used with the belt clip supplied with this product. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

Introduction



Congratulations on purchasing the GE Dual Cordless Handset Telephone System. This system operates in the 2.4 GHz frequency range, and is unique to conventional cordless telephones. When the base is connected to electrical power and a telephone line, you can place a fully featured cordless handset anywhere electrical power is available.

Features:

- 2.4 GHz digital spread spectrum technology
- Handset to Handset Intercom
- 3-way Conference/Call Transfer
- Call Waiting and Caller ID Compatible
- Voice mail
- VIP Melody
- Up to 60 Name and Number Memory Dialing
- Do Not Disturb
- Expandable up to 6 handsets (by purchase of optional Model MD2420 handset with recharge cradle)

This telephone has been designed to be simple to use, however, you can reach its full potential more quickly by taking a few minutes to read this Instruction Book.

This telephone is a multifunction product for use with Call Waiting and Caller ID services available from your local telephone company.

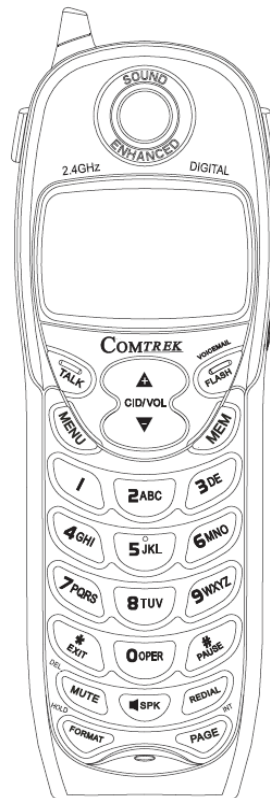
Your Caller ID Call Waiting phone allows you to:

- View the name and telephone number of a caller (Call Waiting Caller ID) while you are on the phone.
- Identify callers before you answer the phone.
- View the time and date of each incoming call.
- Record up to 40 Caller ID messages sequentially.
- Know who called while you are on the other line or when you were away.
- Screen unwanted calls, eliminate harassment from annoying calls, or to get prepared before answering a call.

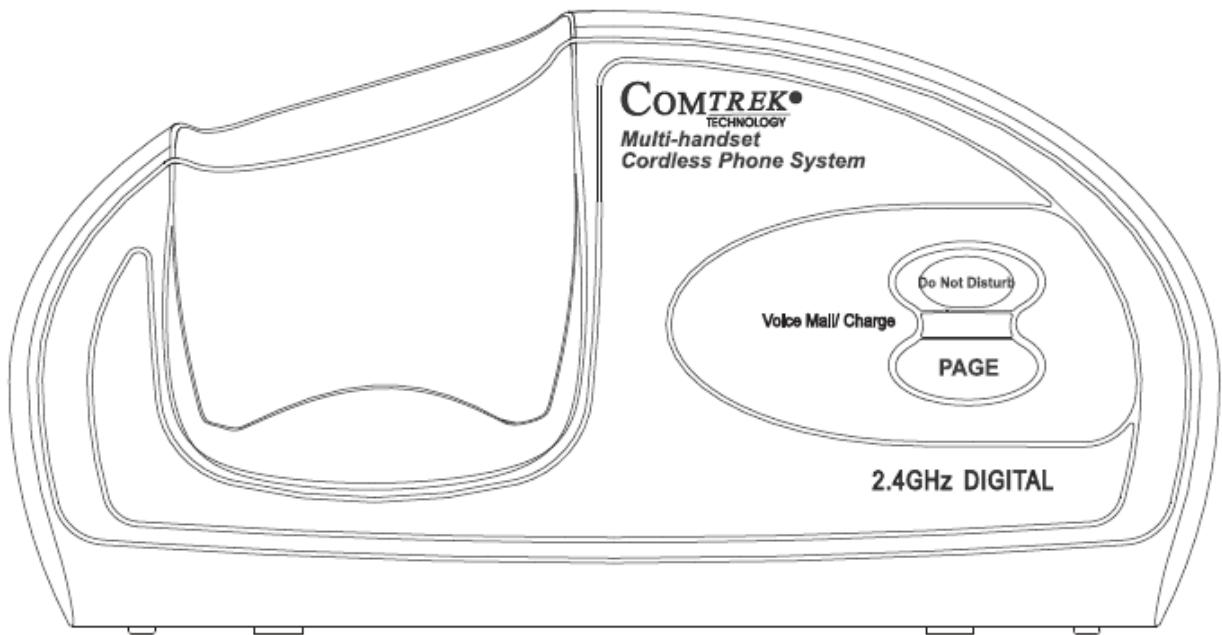
IMPORTANT: Because cordless phones operate on electricity, you should have at least one phone in your home that isn't cordless, in case the power in your home goes out.

IMPORTANT: In order to use all of the features of this telephone, you must subscribe to two separate services available from your local telephone company: the standard Name/Number Caller ID Service to know who is calling when the phone rings and Call Waiting Caller ID Service to know who is calling while you are on the phone.

Handset Layout



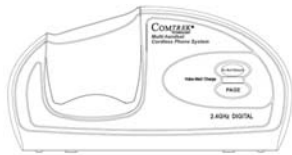
Base Layout



Parts Checklist



Handset 1 & Base for MD2400/MD2401



Handset 2 for MD2401 & Extra Handset for MD2420 with adaptor



line cord for MD2400/2401



battery pack (2pcs for MD2401)



Belt clip (2pcs for MD2401)



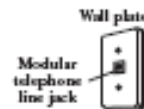
Wallmount bracket for MD2400and MD2401



Adaptor for MD2400 and MD2401

TELEPHONE JACK REQUIREMENTS

To use this phone, you need an RJ11C type modular phone telephone jack, which might look like the one pictured here, installed in your home. If you don't have a modular jack, call your local phone company to find out how to get one installed.



INSTALLATION

INSTALLATION NOTE: Some cordless telephones operate at frequencies that may cause or receive interference with TVs, microwave ovens, and VCRs. To minimize or prevent such interference, the base of the cordless telephone should not be placed near or on top of a TV, microwave ovens, or VCR. If such interference continues, move the cordless telephone farther away from these appliances. Certain other communications devices may also use the 2.4GHz frequency for communication, and, if not properly set, these devices may interfere with each other and/or your new telephone. If you are concerned with interference, please refer to the owner's manual for these devices on how to properly set channels to avoid interference. Typical devices that may use the 2.4GHz frequency for communication include wireless audio/video senders, wireless computer networks, multi-handset cordless telephone systems, and some long-range cordless telephone systems.

- Never install telephone wiring during a lightning storm.
- Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.
- Never touch non-insulated telephone wires or terminals, unless the telephone line has been disconnected at the network interface.
- Use caution when installing or modifying telephone lines.
- Temporarily disconnect any equipment connected to the phone such as faxes, other phones, or modems.

INSTALLATION GUIDELINES

- Install telephone near both a telephone (modular) jack and an electrical power outlet.
- Avoid sources of noise, such as a window by a busy street, and electrical noise, such as motors, microwave ovens, and fluorescent lighting.
- Avoid heat sources, such as heating air ducts, heating appliances, radiators, and direct sunlight.
- Avoid areas of excessive moisture or extremely low temperature.
- Avoid dusty locations.
- Avoid other cordless telephones or personal computers.

INSTALLING THE PHONE

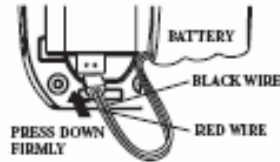
Choose the best location to install your base and handset charge cradle. Your base and handset charge cradle should be placed on a level surface such as a desk or table top.



INSTALLING THE HANDSET BATTERY

NOTE: You must connect the handset battery before use.

1. Locate battery and battery door which are packaged together inside a plastic bag and are separate from the handset.
2. Locate the battery compartment on the back of the handset.
3. Plug the battery pack cord into the jack inside the compartment.



NOTE: It is important to maintain the polarity (black and red wires) to the jack inside the compartment. To ensure proper battery installation, the connector is keyed and can be inserted only one way.

4. Insert the battery pack.
5. Close the battery compartment by pushing the door up until it snaps into place.
6. Place the handset in the base to charge.

Connecting the AC (Electrical) Power

1. On the base, plug one end of the power adaptor cord into the power jack on the back of the base and the other end into an electrical outlet.

CAUTION: Use only the COMTREK power adaptor that came with this unit. Using other power supplies may damage the unit.

2. Plug the handset charge cradle into an electrical outlet.

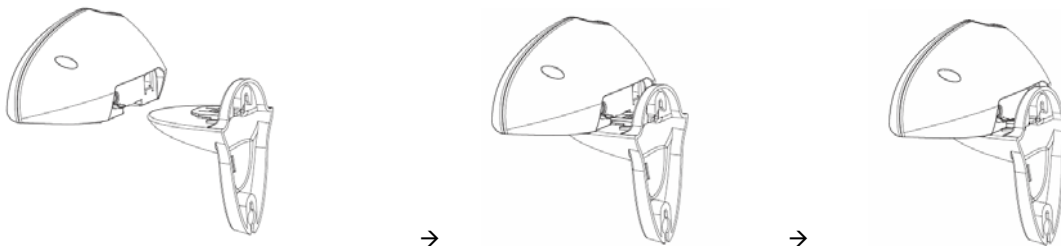
NOTE: When the handset is placed in the cradle, the charge indicator on the base and the charge indicator on the handset charge cradle turns on to indicate the handset battery is charging.

Connecting the Telephone Line

On the base, plug the one end of the telephone line cord into the jack on the back of the base and the other end into a modular wall phone jack.

Wall Mounting

If you want to mount the phone on a wall, slip the mounting holes (on the back of the base) over the wall plate posts, and slide the unit down into place. (Wall plate not included.)



Room Monitor (only apply if more than 2 handset operation)

1. Make sure your phone is **OFF** (not in talk mode).
2. Press the MRNU button to go to the main menu.
3. Press CID/VOL (Λ or V) button to scroll to *ROOM MONITOR*.
4. Press MENU button to enter *ROOM MONITOR* menu, *ROOM MONITOR EXTENSION?* shows in the display.
5. Use the touch tone pad to enter the handset number to be monitored, either 1 or 2.
6. The receiving handset will turn on the microphone and the originating handset will turn on the earpiece to monitor sound from the receiving handset.

NOTE: For room monitoring mode to work, the originating handset must NOT be on the cradle. It will exit room monitor mode if it is on the cradle.

NOTE: While in room monitoring mode, the handsets will emit an alert tone approximately every 5 seconds if there is an incoming call. You may press the TALK/END/CALL BACK button to quit room monitor and answer the call.

NOTE: While in room monitoring mode, the originating handset can be switched to monitor by speaker mode by pressing the SPKR button once. Switch back to earpiece by pressing the TALK/END/CALL BACK button once.

NOTE: Press the *EXIT button on the handset to exit room monitor mode.

Programming the

Telephone

Standby Screen

The handset displays the handset number and user name.



Programming Functions

The system uses a menu structure to give you access to all of the built-in features. You may program the following items in main menu:, Handset Setup, Room Monitor (only available with 2 or more handset, MD2400 can not active this feature as it has 1 handset only).



Handset Setup

1. Make sure your phone is **OFF** (not in talk mode).
2. Press the MENU button to go to the main menu.
3. Press MENU button to confirm and you may program the following items:
Set Language, Handset Name, Ringer Tone, Ringer Volume, VIP Melody, Set Tone / Pulse, Key Tone ON/OFF, Area Code, Voice Mail #, Registration, Deregistration and Default Setting.
During programming, you may press the *EXIT button at any time to exit the menu and return to the sub-menu.
Make sure your phone is OFF (not in talk mode)

Language

1. Press the CID/VOL (Λ or V) button to scroll to the *SET LANGUAGE* menu.
2. Press MENU button to enter the menu. *SET LANGUAGE 1ENG 2FRA 3ESP* shows in the display.
3. Use the touch tone pad on the handset to select 1ENG, 2FRA, 3ESP, or use the CID/VOL (Λ or V) button to scroll to the desired language. English is the default setting.
4. Press the MENU button to save your selection. You will hear a confirmation tone and the selected language shows in the display.

Handset Name

1. Press the CID/VOL (Λ or V) button to scroll to the *HANDSET NAME* menu.
2. Press MENU button to enter the menu. *HANDSET NAME* shows in the display.
3. Use the touch-tone pad to enter a name (up to 15 characters). More than one letter is stored in each of the number keys. For example, to enter Bill Smith, press the 2 key twice for the letter B. Press the 4 key 3 times for the letter L. Press the 5 key 3 times for the letter L. Press the 5 key 3 times for the second letter L, and press the 1 key to insert a space between the first and last name. Press the 7 key 4 times for the letter S; press the 6 key once for the letter M; press the 4 key 3 times for the letter I; press the 8 key for the letter T; press the 4 key twice for the letter H.

NOTE: If you make a mistake, use the DEL/MUTE button to backspace and delete one character at a time.

4. Press the MENU button to save your name. You will hear a confirmation tone and the handset name shows in the display.

Ringer Tone

You may choose from ten different ringer tones (01 to 10) and ten different melodies (11 to 20).

1. Make sure the ringer is turned on. See Ringer On/Off section.
2. Press the CID/VOL (Λ or V) button to scroll to the *RINGER TONE* menu.
3. Press MENU button to enter the menu. *SET RINGER TONE 01* shows in the display. "01" is default setting.
4. Use the CID/VOL (Λ or V) button to scroll to the desired setting (1 through 20). You will hear a sample of the ringer tone/melody you select.
5. Press the MENU button to save your selection. You will hear a confirmation tone

and the selected ringer tone shows in the display.

Ringer Volume

1. Press the CID/VOL (Λ or V) button to scroll to the *RINGER VOLUME* menu.
2. Press MENU button to enter the menu. *SET RINGER 1HI 2LOW 3OFF* shows in the display.
3. Use the touch tone pad on the handset to select 1, 2 or 3, or use the CID/VOL (Λ or V) button to scroll to your selection. "1HI" is the default setting.
4. Press the MENU button to save your selection. You will hear a confirmation tone and the new volume setting shows in the display.

NOTE: If you turn the ringer OFF, the ringer off icon shows in the display.

VIP Melody

This features allow you to assign a specific melody to someone you want to get your attention when the person calls. When a VIP melody is assigned and that person calls, the unit rings the normal ring for the first ring and then follows with VIP melody ring. You may choose from ten different polyphonic melodies and may store up to 10 VIP records.

NOTE: This feature **ONLY** works when the following conditions are met.

1. You have subscribed to Caller ID.
2. You have your Caller ID record previously transferred to the memory. (Refer to Storing CID Records in Internal Memory). "NO USER MEMORY" will show in the display to remind the user to do CID record transfer first.

Storing VIP Melody

1. With handset in standby mode.
2. Press MENU button once to display the submenus; *HANDSET SETUP* and *ROOM MONITOR*.
3. Press MENU button to enter into *HANDSET SETUP*.
4. Press the CID/VOL (Λ or V) button to scroll to *VIP MELODY* submenu.
5. Press MENU button to select VIP melody feature and then display VIP 1 record.
- If VIP1 does NOT contain any specific number/records, it will display *EMPTY*.
6. Press CID/VOL (Λ or V) button to select the specific VIP melody memory location (10 VIP locations) that does not contain any record.
7. Press MENU button to display *SELECT MEMORY*.

NOTE: If the memory location does not contain any CID memory records and you are trying to mark a specific record as VIP MELODY, then "SELECT MEMORY" will not be displayed. Instead "NO USER MEMORY" will display in prompt to alert the user

8. Press CID/VOL (Λ or V) button to view the records from memory to be selected as VIP.
9. Press MENU button to confirm and then display *VIP MELODY 01* to wait for the melody tone selection.
10. Press CID/VOL (Λ or V) button to select from melody 01 to melody 10 (a testing tone is generated while making melody selection)
11. Press MENU button to confirm.

NOTE: If the desired number/record was previously stored in any one of the ten VIP melody records, "DUPLICATE NUMBER" shows in the display.

Changing a Stored VIP Melody Record

Use the Storing VIP Melody procedure to change the number of a selected record and replace the old phone number with new phone number.

When *REPLACE VIP# ?* shows in the display, you must press MENU button on the handset to confirm replacement.

Reviewing And Deleting Stored VIP Melody Record

1. Press the MENU button to enter to *VIP MELODY* menu.
2. Use the CID/VOL (Λ or V) button to scroll to the desired VIP Melody Record.
3. If you want to delete the information, press the DEL/MUTE button on the handset while the entry displays. The display show *DELETE VIP# ?*.
4. Press DEL again to confirm. You will hear a confirmation tone and *VIP# DELETED* show in the display.

Set Tone / Pulse

1. Press the CID/VOL (Λ or V) button to scroll to the *SET TONE/PULSE* menu.
2. Press MENU button to enter the menu. *SET TONE/PULSE 1TONE 2PULSE* shows in the display.
3. Use the touch tone pad on the handset to select 1or 2 , or use the CID/VOL (Λ or V)

button to scroll to your selection. "ITONE" is the default setting.

4. Press the MENU button to save your selection. You will hear a confirmation tone and the new volume setting shows in the display.

Key Tone

1. Press the CID/VOL (Λ or V) button to scroll to the *KEY TONE* menu.
2. Press MENU button to enter the menu. *SET KEY TONE ION 2OFF* shows in the display.
3. Use the touch tone pad on the handset to select 1 or 2, or use the CID/VOL (Λ or V) button to scroll to your selection. "ION" is the default setting.
4. Press the MENU button to confirm and the key tone setting shows in the display.

Area Code

1. Press the CID/VOL (Λ or V) button to scroll to the *AREA CODE* menu.
2. Press MENU button to enter the menu. *SET AREA CODE - - -* shows in the display.
3. Use the touch-tone pad to enter your 3-digit area code.
4. Press the MENU button to confirm. You will hear a confirmation tone and the new area code shows in the display.

NOTE: To restore the default setting to - - -, press and release DEL when "*SET AREA CODE*" shows in the display.

Voice Mail

This function can use if you have subscribed to telco voice mail service.

1. Press the CID/VOL (Λ or V) button to scroll to the *VOICE MAIL #* menu.
2. Press MENU button to enter the menu. *SET VOICE MAIL#* shows in the display.
3. Use the touch-tone pad to enter the voice mail number and it can up to 20 numbers.
4. Press the MENU button to confirm. You will hear a confirmation tone and the voice mail # shows in the display.
5. Then, it will exit to program sub-menu screen.

Registration

This setting may be made with the handsets MD2420only. Your handset is pre-registered and ready to use. It is not recommended that handset be registered again unless absolutely necessary.

1. If necessary, press the MENU button to go to the *REGISTRATION* menu. The default is "2NO".
2. Use the touch-tone pad to select 1 for YES or 2 for NO. Or use the CID/VOL (Λ or V) button to scroll to *1YES* or *2NO*.
3. If you select *1YES*, press the MENU button to confirm your selection. *HOLD BASE PAGE WAIT FOR BEEP* shows in the display.
4. Press and hold the page button on the base unit until you hear a long tone at the handset. *HANDSET X REGISTERED* shows in the handset display, where X is the handset name. You will hear a confirmation tone.

De-Registration

This setting may be made with the handsets MD2420 only. De-registration cancels registration. During the de-registration process, keep the handset near the base.

1. If necessary, press the MUTE/PROG button to scroll to the *DEREGISTRATION* menu. The default is "2NO".
2. Use the touch-tone pad to select 1 for YES or 2 for NO. Or use the CID/VOL (Λ or V) button to scroll to *1YES* or *2NO*.

WARNING: It is not recommended that a handset be de-registered unless absolutely necessary because once a handset is de-registered, that handset's telephone features cannot be used until the handset is re-registered

3. Select NO, if you do not want to de-register.
4. If you select *1YES*, press the MUTE/PROG button and *MOVE NEAR TO BASE* displays for 2 seconds, then *CONFIRM? 1YES 2NO* appears in the display.
5. Press the touch-tone pad to select *1YES* or *2NO*, or use the CID/VOL (Λ or V) button to scroll to *1YES* or *2NO*.
6. If you select YES, press the MENU button to confirm. You will hear a confirmation tone. Then *HANDSET X DEREGISTERED* shows in the display to confirm the handset is deregistered.

NOTE: When you complete the de-registration process, "*HANSET NEEDS REGISTRATION*" shows in the display. To use the handset, you must register the handset.

Global De-registration

If one or more handsets becomes lost, you should de-register all handsets to ensure proper system operation. Follow the steps below to de-register both handsets at the same time.

WARNING: It is not recommended that a handset be de-registered unless absolutely necessary because once a handset is de-registered, that handset's telephone features cannot be used until the handset is re-registered.

1. Press and hold the page button on the base until the IN USE/CHARGE indicator on the base flashes.
2. Press and hold the page button on the base again until the IN USE/CHARGE indicator on the base flashes rapidly.
3. Press and release the page button on the base once. All handsets are de-registered and *HANSET NEEDS REGISTRATION* shows in the display.

Default Setting

As you become familiar with this system, you may prefer to use the system's original settings. Follow the steps below to return to the factory default settings.

1. Press the CID/VOL (Λ or V) button to scroll to the *DEFAULT SETTING* menu.
2. Press the MENU button to enter the menu. *DEFAULT SETTING 1YES 2NO* shows in the display.
3. Use the touch-tone pad to select *1YES* or *2NO*, or use the CID/VOL (Λ or V) button to move the cursor to *1YES* or *2NO*. "*2NO*" is default setting.

NOTE: If you choose YES all the settings in the programmable menu are returned to factory default setting.

4. Press the MENU button to save your selection. You will hear a confirmation tone.

Telephone Operation

Charge Indicator

When the Voice Mail /Charge indicator is lit, the handset is correctly seated in the cradle and is charging.

Making Calls

1. Pick up the handset, and press the TALK button. Listen for a dial tone.
2. Dial the number you want to call, or dial the number first then press the TALK button.
3. When finished, press the TALK button to hang up.

Answering Calls

1. When the phone rings, pick up the handset, and press the TALK button.
2. When finished, press TALK button to hang up.

NOTE: Adjust the handset volume by pressing the CID/VOL (Λ or V) button during a call.

Call Timer

After you press the TALK button on the handset, the built-in call timer shows on the display and counts the length of time of the call in minutes and seconds.

Pre-Dialing

1. Make sure the phone is OFF (not in talk mode).
2. Enter the telephone number you want to call. The telephone number shows in the handset display.
3. Press the TALK button on the handset, and the number automatically dials.

NOTE: You may enter up to 32 pre-dial digits.

NOTE: If you want to delete the pre-dial number you entered, press the DEL/MUTE button until all of the digits are erased.

Auto Standby

If you place the handset in the cradle while the handset is off the hook (during a call), the call is automatically disconnected.

Ringer HI/LOW/OFF

There are two ways to set the ringer to HI/LOW/OFF. One is the traditional way as described in the MEUN Functions; Handset Setup; Ringer Volume menus. The other one is this short cut to ringer menu.

1. Make sure the phone is OFF (not in talk mode).
2. Press the #PAUSE button to display *1HI 2LOW 3OFF*.
3. Use the touch tone pad on the handset to select 1, 2 or 3, or use the CID/VOL (Λ or V) button to scroll to your selection. "*1HI*" is the default setting.

4. Press #PAUSE button again to save and display the new selection for a few seconds.

Flash/Voice Mail

If you subscribe to the combined Call Waiting Caller ID service from your local telephone company, you will receive Caller ID information (if available) on Call Waiting calls. During a phone call, you will hear a beep to indicate another call is waiting on the line and Caller ID information for the waiting call shows on the handset display.

- To connect to the waiting call, press the FLASH button on the handset, and your original call is put on hold.
- To switch between the two calls, press the FLASH button.

TIP: Do not press the TALK button on the handset to activate a custom calling service, such as call waiting, or call will disconnect.

If you subscribe to the voice mail service from your telco provider, you can press the Voice Mail button on the handset to retrieve the voice mail when there is a voice mail in OFF mode. The antenna LED and the base voice mail LED will flashing if there is voice mail for indication.

Last Number Redial

You may redial a number up to 32 digits long.

To quickly redial the last number you dialed:

1. Press the TALK button.
2. Press the REDIAL button. -OR-
3. Press the REDIAL button first, then use the CID/VOL (Λ or V) button to select the desired redial number.
 - Press the CID/VOL (Λ) to review the oldest call and scroll toward the most recent calls (higher numbers).
 - Press the CID/VOL (V) to review the newest call and scroll to older calls (lower numbers).

NOTE: You may choose from three last dialed numbers.

4. Press the TALK button. The number dials automatically.

If you get a busy signal and want to keep dialing the number, press the REDIAL button to quickly redial the number.

Exit

Press the *EXIT button to exit a menu function and return to the standby screen.

Page

The page feature helps you locate a misplaced handset. To send and receive pages, all handsets must be registered. If your handset is not registered, follow the instructions in the Registration section of this manual.

Handset to Handset Paging (not apply on MD2400)

Dual handsets are respectively named as Handset 1 and Handset 2.

1. Make sure the phone is **OFF** (not in talk mode).
2. Press and release the PAGE/INT button on a handset. *PAGING EXTENSION?* shows in the display.
3. Use the touch-tone pad to enter the handset number you want to page.
4. To cancel the page, press the *EXIT button.

Paging All Handsets from a Handset

1. Make sure the originating phone is **OFF** (not in talk mode).
2. Press and release the PAGE/INT button on a handset. *PAGING EXTENSION?* shows in the display.
3. Use the touch-tone pad to enter the handset number you want to page. (1= to page Handset 1, 2=to page handset 2, etc., and 5=to page all handsets)
4. To cancel the page, press the *EXIT or PAGE/INT button. On the originating handset, you may press TALK.

Paging from the Base/Group Page

Use the base-only to page both registered handsets at the same time.

1. Press the page button on the base. All handsets beep for two minutes, and *PAGING FROM BASE* shows on each handset's display.
2. To cancel the page, press the page button on the base, or press the TALK button or the *EXIT button on each handset.

Mute

To have a private, off-line conversation, use the MUTE feature. The party on the telephone line cannot hear you, but you can hear them.

1. Press the MUTE button. The handset display shows *MUTE ON*.
2. Press the MUTE button to cancel and return to your phone conversation.

Hold

During phone conversation, you want to hold the line, use the HOLD feature. The party on the telephone line will be on hold.

1. Press the HOLD / FORMAT button. The handset display shows *LINE ON HOLD*.
2. Press the HOLD / FORMAT button to cancel and return to your phone conversation.

Note: The line will be on hold forever if you forget to press the hold to release the hold even though you recradle the Handset on base or charger.

Receiver Volume Control

When the handset is ON (in talk mode) you may adjust the receiver volume by pressing the CID/VOL (Λ or V) button. There are four volume levels to choose from. When the maximum or minimum volume level is reached, the phone beeps twice. VOL 1 is minimum and VOL 4 is maximum.

Do Not Disturb (DND)

DND allows you to mute the ringer of the handset.

In the standby mode, press and hold the DO NOT DISTURB button on the base. The DND backlit indicator will light and *DO NOT DISTURB* shows in handset display.

To cancel, press DO NOT DISTURB again.

Handset Speakerphone Operation

NOTE: If you are using the speakerphone, remain close to handset so the party you are speaking to can hear you.

Answering a Call with the Handset

1. When the phone rings, press the SPK button on the handset.
2. When finished, press the SPK button again to hang up.

Making a Call with the Handset

1. Make sure the phone is **OFF** (not in talk mode).
2. Dial the desired number, or

Press the CID/VOL (Λ or V) button to select the desired record,

or Press MEM button and then use CID/VOL (Λ or V) button to scroll to desired memory record.

NOTE: If you are using the handset and want to switch to the speakerphone, press the SPK button, press SPK again to end conversation. If you are using the speakerphone and want to switch to the handset, press the TALK button, press TALK again to end conversation.

3. Press SPK to dial number.

4. When finished, press the SPK button again to hang up.

Intercom Operation

The intercom feature allows you to have a conversation with another registered handset without tying up the telephone line. And since the telephone line is not in use, you may still receive incoming calls.

Making an Intercom Call

1. Make sure the phone is **OFF** (not in talk mode).
2. Press the PAGE/INT button on the handset.
3. Use the touch-tone pad to select the handset you want to page.

NOTE: To cancel page, press the PAGE/INT button again or the *EXIT button on the sending handset.

4. Wait for the person at the receiving handset to press the PAGE/INT button.

NOTE: If the receiving handset does not answer within two minutes, the intercom call is automatically canceled. The originating handset displays "*NO ANSWER*".

5. When finished, press the *EXIT button or PAGE/INT button on either handset to deactivate the intercom.

NOTE: The system is expandable up to 6 handsets (by purchase of optional Model MD2420 handset with recharge cradle). When 6 handsets are registered, the system can handle 2 separate intercom operations at once, for example, 1st handset intercoms with 2nd handset while 3rd handset intercoms with 4th handset.

Receiving an Intercom Call

When you receive an intercom call, your handset beeps. To answer the call press the PAGE/INT button or TALK button.

Advanced Intercom Features

Receiving an Incoming Telephone Call During an Intercom Call

If you receive a telephone call during an intercom call, the intercom call is immediately terminated and both handsets ring. Either handset user may press the TALK button to answer the call.

Using Intercom with External Telephone Calls

During a telephone call, you may use the intercom/paging function to page another handset and have an off line, private (two-way) intercom conversation. You may also have a three-way conversation between the external caller and the handsets, or you may transfer the external telephone call to another handset.

NOTE: Before you intercom/page another handset, you must decide whether you want to create a two-way or a three-way conversation.

Two-Way Calling

1. During an external call, press the PAGE/INT button, and use the touch-tone pad to enter the handset number (1 or 2) you want to call.

NOTE: The receiving handset presses the PAGE/INT button to answer the intercom call. Both intercom users may speak privately. The external caller will not hear the intercom conversation.

2. When finished, press the *EXIT button or PAGE/INT button to end the intercom call, return to the talk mode, and resume your original telephone conversation.

Three-Way Calling

1. During an external call, press the PAGE/INT key. *LINE ON HOLD EXTENSION?* shows in the display.

2. Use the touch-tone pad to select Handset 1 or Handset 2. You will hear a paging tone and *PAGING* shows in the originating handset's display.

NOTE: "*PAGING FROM...*" shows in the display on the receiving handset, and the receiving handset presses the PAGE/INT or TALK button to answer the intercom.

3. When the receiving handset connects, press the FORMAT/CONF button on the originating handset to conference with the receiving handset and the external caller. *CONFERENCE* shows in the display on the originating and receiving handsets.

NOTE: A handset can enter conference mode directly by pressing TALK on the second handset during a call.

Transferring External Calls to Other Handsets

During an external call, you may transfer the external call to another handset.

1. Press the PAGE/INT button on the originating handset to put an external call on hold, and then page the receiving handset.

2. Use the touch-tone pad on the handset to select Handset 1 or Handset 2. You will hear a paging tone. *PAGING* shows on the originating handset's display, and *PAGING FROM...* shows on the receiving handset's display.

3. When the receiving handset connects, press the TALK button on the originating handset to transfer the call.

-OR-

4. Press the TALK button on the originating handset to transfer the call.

If the receiving handset does not answer within 30 seconds, the originating handset rings back and displays *CALL BACK*. If the originating handset does not answer within 20 seconds, the call is automatically dropped.

Memory

You may store sixty 15-character names and 20-digit telephone numbers in the handset memory.

Storing a Name and Number in Memory

1. Make sure the phone is **OFF** (not in talk mode).

2. Press the MEM key to display *SELECT MEMORY 01-60*.

3. Press the desired memory location button (01 through 60) or use the CID/VOL (Λ or V) button to scroll to desired the memory location.

NOTE: If the memory location is occupied, the memory location number and stored name and telephone number appear in the display. If the memory location is empty, "*EMPTY*" appears in the display.

4. Press the MEM key. The display shows *ENTER NAME*.

5. Use the touch-tone pad to enter a name (up to 15 characters). More than one letter is stored in each of the number keys. For example, to enter Bill Smith, press the 2 key twice for the letter B. Press the 4 key 3 times for the letter I. Press the 5 key 3 times for the letter L. Press the 5 key 3 times for the second letter L, and press the 1 key to insert

a space between the first and last name. Press the 7 key 4 times for the letter S; press the 6 key once for the letter M; press the 4 key 3 times for the letter I; press the 8 key for the letter T; press the 4 key twice for the letter H.

NOTE: If you make a mistake press the DEL button to backspace and erase the wrong character(s) or number(s).

6. Press the MEM key to confirm and save the record. The display shows *ENTER TEL NUMBR*.

7. Use the touch-tone pad to enter the telephone number (up to 20 digits, including pauses (press #PAUSE button)), and press the MEM key again to save the record. The unit beeps to confirm.

NOTE: The system treats PAUSES as delays or spaces in the dialing sequence.

8. To enter another name and number in a different memory location, return to step 2 and repeat the process.

Storing the Last Number Dialed

1. Repeat steps 1 through 6 in Storing a Name and Number in Memory.
2. Press the REDIAL button on the handset.
3. Press the MEM button to save. You will hear a confirmation tone.

NOTE: If the redial number has more than 20 digits, it cannot be stored in memory.

Inserting a Pause in the Dialing Sequence (of a Stored Number)

Press the # button on the handset's touch-tone pad to insert a delay in dialing sequence when a pause is needed to wait for a dial tone (for example, after you dial 9 for an outside line, or to wait for a computer access tone.) Each pause counts as one digit in the dialing sequence.

Reviewing Records Stored in Memory

1. Make sure the phone is **OFF** (not in talk mode).
2. Press the MEM key to display *SELECT MEMORY 01-60*.
3. Press the CID/VOL (Λ or V) buttons to scroll the records, or use the handset's touch-tone pad to enter the memory location number.

Changing Records Stored in Memory

Follow the procedure for Storing Names and Numbers in Memory, except replace a stored telephone number with a new one.

Deleting Records Stored in Memory

1. Make sure the phone is **OFF** (not in talk mode).
2. Press the MEM key to display *SELECT MEMORY 01-60*.
3. Press the CID/VOL (Λ or V) button to scroll to the record you want to delete or use the touch-tone pad to enter the desired memory location.
4. Press the DEL button to mark the record for deletion. The display shows *DELETE?*
5. Press the DEL button to delete the record. *DELETED* shows in the display.

NOTE: If you don't want to change or delete a record, simply press the *EXIT button, or wait for one minute to exit the review mode automatically.

Dialing a Number from Memory

1. Make sure the phone is **ON** (in talk mode) by pressing the TALK button.
2. Press the MEM key to display *memo #-*.
3. Use the touch tone pad to enter the memory location number. The number dials automatically.

-OR-

1. Make sure the phone is **OFF** (not in talk mode).
2. Press the MEM key to display *SELECT MEMORY 01-60*.
3. Press the memory location for the phone number you want to dial, or use the CID/VOL (Λ or V) button to scroll to the number you want to dial.
4. Press the TALK button. The number dials automatically.

Chain Dialing from Memory

Use this feature to make calls which require a sequence of numbers, such as a calling card number used for a frequently called long distance number. The following example shows how you can store each part of the dialing sequence and use chain dialing to make a call through a long distance service:

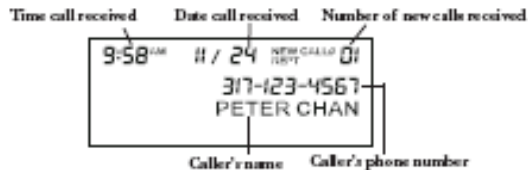
<i>The Number For</i>	<i>Memory Location</i>
Long Distance Access Number	7
Authorization Code	8
Frequently called long distance number	9

1. Make sure the phone is ON (in talk mode) by pressing the TALK/END/CALL BACK button.
2. Press the MEM key, and then press 07.
3. When you hear the access tone, press the MEM key, and then press 08.
4. At the next access tone, press the MEM key and then 09.

Caller ID (CID)

Caller ID (CID) is a service available from your local telephone company. For Caller ID to work on this system, you must subscribe to Caller ID service. To receive Caller ID information for a Call Waiting call, you must subscribe to the combined Call Waiting Caller ID service.

This telephone system receives and displays CID information transmitted by your local telephone company. This information may include the phone number, date and time; or the name, phone number, and date and time.



CID Error Codes

Various Caller ID error messages may appear in the display. Refer to the Display Messages section of this User's Guide for more information.

Receiving CID Records

When you receive a call, the Caller ID information is transmitted between the first and second ring. The Caller ID information appears on the display while the phone rings, giving you a chance to monitor the information and decide whether or not to answer the call.

Storing CID Records (In Caller ID Memory)

If you are not at home or cannot answer, your telephone's Caller ID memory stores the data for the 40 most recent calls you received so you can see who called while you were unavailable. When the 41st call is received, the oldest Caller ID record (1st call) is automatically deleted.

You may review the stored information at any time. Calls received since your last review show as *NEW* in the display.

Reviewing CID Records

As calls are received and stored, the display is updated to let you know how many calls have been received. To scroll CID records:

1. Make sure the phone is OFF (not in talk mode).
2. Press the CID/VOL (V) button to review the newest CID record.
3. Press the CID/VOL (Λ) button to review the oldest CID record first.

As you review CID records, the display shows you the following information for each call:

- The telephone number of the caller.
- The number of the call, with regard to the order received.
- The name of the caller, if this service is available in your area.
- Time and date the call was received.
- *NEW* appears for all calls that have not been previously reviewed.
- *REPT* shows in the display for a call that has not been previously reviewed but is received from the same number more than once.

NOTE: Check with your local phone company regarding name service availability.

Storing CID Records in Internal Memory

You may also store CID information in the phone's internal memory. You may not reformat CID records stored in memory.

TIP: To prevent the CID information from automatically being deleted, you may want to store it in the phone's memory.

NOTE: It is important that you format CID records correctly before storing in internal memory.

1. Make sure the phone is **OFF** (not in talk mode).
2. Use the CID/VOL (Λ or V) button to scroll to the desired CID record.
3. Press the MEM key to display *SELECT MEMORY 01-50*.
4. Use the touch-tone pad to enter a memory location number (for example, press 01 to store the record in memory location one).

NOTE: If the memory location is occupied, “*REPLACE MEMO?*” is displayed, and you must confirm replacement by pressing the MEM button.

NOTE: Press the *EXIT button once to keep the previous setting and return to the sub-menu.

Dialing a CID Number

While reviewing CID records, you may dial the phone number showing in the display.

1. Make sure the phone is **OFF** (not in talk mode).
2. Press CID/VOL (Λ or V) button until the desired CID record shows in the display.

NOTE: Depending on (a) how the incoming caller's phone number is formatted when it is received, and (b) whether or not you previously pre-programmed your local area code into the set up menu, you may need to adjust the format of the incoming caller's stored phone number before making the call.

Available formats include:

Number of digits Explanation Example

Eleven digits long distance code “1 ” 1-317-888-8888

+3-digit area code

+7-digit telephone number.

Ten digits 3-digit area code + 317-888-8888

7-digit telephone number.

Seven digits 7-digit telephone number. 888-8888

3. If the number does not dial as shown, press the format/conference button. Repeat if necessary, until the correct number of digits show in the display.
4. Press the TALK/END/CALL BACK button on the handset. The number dials automatically.

NOTE: If the telephone number is corrupted, such as an alphabetical character in a number field, you will hear an error tone and the number is not dialed. Unit displays “*UNABLE TO DIAL*”.

Deleting a CID Record

1. Make sure the phone is **OFF** (not in talk mode).
2. Use the CID/VOL (Λ or V) button to display the CID record you want to delete.
3. Press the DEL button. The display shows *DELETE CALL ID?*
4. Press the DEL button to erase the record showing in the display. The display shows *DELETED*.

NOTE: Press the *EXIT key to return to the standby mode.

Deleting All CID Records

1. Make sure the phone is **OFF** (not in talk mode).
2. Use the CID/VOL (Λ or V) button to scroll to any CID record.
3. Press and hold the DEL button until *DELETE ALL?* shows in the display.
4. Press DEL button to erase all of the current CID records. The display shows *DELETED* followed by *NO CALLS*.

NOTE: Press the *EXIT key on the handset to return to the standby mode.

Changing the Battery

CAUTION: To reduce the risk of fire or personal injury, use only the battery that is compatible with this unit.

1. Make sure the telephone is **OFF** (not in talk mode) before you replace battery.
2. Remove the battery compartment cover.
3. Disconnect the cord attached to the battery pack from the jack inside the battery compartment and remove the battery pack from the handset.
4. Insert the new battery pack and reconnect the battery plug.
5. Put the battery compartment cover back on.
6. Place handset in the base or handset charge cradle to charge. If you don't charge the handset battery properly (for 16 hours) when you first set up the phone and/or when you install a new battery pack, the battery's long-term performance will be compromised.

NOTE: If the battery is not properly installed in the handset, or if the battery pack is not properly connected to the jack inside the battery compartment. “*NO BATTERY*” shows in the display when the handset is placed in the charging cradle. the jack inside the battery compartment.

Battery Safety Precautions

- Do not burn, disassemble, mutilate or puncture. Like other batteries of this type, toxic materials could be released which can cause injury.
- Keep batteries out of the reach of children.
- Remove batteries if storing over 30 days.

Belt clip and Optional Headset

Connecting the Belt Clip

1. To attach the belt clip, insert the sides of the belt clip into the slots on each side of the handset.
2. Snap the ends of the belt clip into place.

Connecting an Optional Headset to the Handset

Each handset can be used with an optional headset hands free operation.

1. Connect the headset to the headset jack on the side of the handset. The handset receiver and microphone are disabled when the headset is connected.
2. Adjust the headset to rest comfortably on top of your head and over your ear. Move the microphone to approximately two to three inches from your mouth.
3. Press the TALK/END/CALL BACK button to answer a call or make calls using the headset.
4. To return to normal operation, unplug the headset from the jack.

DISPLAY MESSAGES

The following messages show the status of the phone, provide Caller ID information, or help you set up and use your phone.

INCOMPLETE DATA	CID information is interrupted during transmission or the phone line is excessively noisy.
HANDSET NAME	Prompt telling you to enter the user name for the registered handset.
ENTER NAME	Prompt telling you to enter a name in one of the 50 memory locations.
LINE IN USE	Displays on handset while the line is in use.
ENTER TEL NUMBR	Prompt telling you to enter a telephone number in one of the 50 memory locations.
DELETE ALL?	Prompt asking if you want to erase all CID records.
DELETE CALL ID?	Prompt asking if you want to erase the CID record showing on the display.
DELETE?	Prompt asking if you want to erase one of the 50 records stored in the phone's memory.
END OF LIST	Indicates that there is no additional information in CID memory.
NEW	Indicates call or calls which have not been reviewed.
UNKNOWN CALLER	Indicates incoming call is from an area not serviced by CID or the CID information was not sent.
NO BATTERY	Indicates the battery is not properly installed in the handset, or the battery pack is not properly connected to

	the jack inside the battery compartment.
NO USER MEMORY	NOTE: If the memory location does not contain any CID memory records and you are trying to mark a specific record as VIP MELODY, then <i>SELECT MEMORY</i> will not be displayed. Instead, <i>NO USER MEMORY</i> will be prompted to alert the user.
DUPLICATE NUMBER	Under VIP melody feature, if the desired number/record was selected in any one of TEN VIP melody records before, <i>DUPLICATE NUMBER</i> shows in the display.
HANDSET NEEDS REGISTRATION	Indicates you must register a non-registered handset prior to use.
SEARCHING	Indicates handset is searching for the base.
OUT OF RANGE	Indicates handset is too far away from the base. Move closer to the base.
PAGING or PAGING FROM	Someone pressed the page/int button on the base or handset.
BLOCKED NUMBER	Indicates the person is calling from a number which is blocked from transmission.
REPT	Indicates a repeat call message. Indicates a new call from the same number was received more than once.
NO CALLS	Indicates there are no CID records in memory.
NO DATA	Indicates no CID information was received, you are not subscribed to CID service, or CID service is not working.
NEW CALL XX	XX represents the number of new CID records not reviewed.
Low Battery	Indicates the battery needs to be charged.
LONG DISTANCE	Indicates CID record is from a long distance call.

HANDSET SOUND SIGNALS

<i>Signal</i>	<i>Meaning</i>
A long warbling tone (with ringer on)	Signals an incoming call
Three short beeps	Page signal
One short beep (every 7 seconds)	Low battery warning

Troubleshooting Guide

Telephone Solutions

No dial tone

- Check or repeat installation steps:

Make sure the base power cord is connected to a working electrical outlet.

Make sure the telephone line cord is connected to the base and the wall jack.

- Connect another phone to the same jack. If it doesn't work, the problem might be your wiring or local service.

- The handset may be out of range of the base. Move closer to the base
- Make sure the battery is properly charged (for 16 hours).
- Make sure the battery pack (in the handset) is properly installed.
- The handset should beep when you press the TALK button, and the charge indicator on the base should be lit when the handset rests in the cradle. If not, the battery may need to be charged.
- Place handset in charge cradle for at least 20 seconds to reset the unit.

Handset does not ring

- Make sure the handset ringer software switch is set to on.
- The handset may be out of range of the base. Move closer to the base.
- You may have too many extension phones on your line. Try unplugging some extension phones.
- Check for a dial tone.

You experience static, noise, or fading in and out

- The handset may be out of range of the base. Move closer to base.
- Make sure base is not plugged into an electrical outlet with another household appliance. If necessary, relocate the base.
- Charge the battery (for 16 hours).

Unit beeps

- Clean the charging contacts on the cordless handset and base charge cradle with a soft cloth or an eraser.
- See solutions for "No dial tone" on previous page.
- Replace the battery.

Memory dialing doesn't work

- Did you program the memory location keys correctly?
- Did you follow proper dialing sequence?

Unit locks up and no communication between the base and cordless handset

- Unplug the power adaptor from the electrical outlet and the back of the base. Remove the handset battery. Wait for 30 seconds and plug the power adaptor back into the base and electrical outlet. Reconnect the battery and charge for 16 hours.

Charge Indicator on the Base Flashes

- Provided your phone company offers voice messaging service and you subscribe to it, the charge indicator on the base flashes when the phone is not in use to indicate there is a message waiting. It's stops flashing after the message has been reviewed.

Caller ID Solutions

No Display

- Charge the battery (for 16 hours). Or replace the battery.
- Make sure the unit is connected to a non-switched electrical outlet. Disconnect the power adaptor from the base and reconnect it.

Caller ID Error Message

- The unit displays this message if it detects anything other than valid Caller ID information during the silent period after the first ring. This message indicates the presence of noise on the line.

No Caller ID

- You must be subscribed to the standard Name/Number Caller ID service from your local telephone company to receive CID information.

Battery

If you experience any of the following problems, even after recharging the battery, you may need to replace the battery pack:

- Short talk time
- Poor sound quality
- Limited range
- Charge indicator fails to turn on

General Product Care

To keep your unit working and looking good, follow these guidelines:

- Avoid dropping the handset, as well as other rough treatment to the phone.
- Clean the phone with a soft cloth.
- Never use strong cleaning agents, paint thinner, abrasive powder, alcohol, or other chemical products to clean the unit. Doing so will damage the finish.
- Retain the original packaging in case you need to ship the phone at a later date.
- Periodically clean the charge contacts on the handset and base with a clean pencil eraser.

Causes of Poor Reception

- Aluminum siding.
- Foil backing on insulation.
- Heating ducts and other metal construction that can shield radio signals.
- You're too close to appliances such as microwaves, stoves, computers, etc.
- Atmospheric conditions, such as strong storms.
- Base is installed in the basement or lower floor of the house.
- Base is plugged into AC outlet with other electronic devices.
- Baby monitor is using the same frequency.

- Handset battery is low.
- You're out of range of the base.

SERVICE

This product is warranted to be free from manufacturing defects for a period of one year from the original date of consumer purchase. This warranty is limited to the repair or replacement of this product only and does not extend to consequential or incidental damage to other products that may be used with this unit. This warranty is in lieu of all other warranties expressed or implied. If the unit should be defective with the warranty period, please call Customer Service Department at 1-888-839-0834.

LIMITED WARRANTY

What your warranty does not cover:

- * Customer instruction. (Your Owner's Manual provides information regarding operating instructions and user controls. Any additional information, should be obtained from you dealer.)
- * Installation and setup service adjustments.
- * Batteries.
- * Damage from misuse or neglect.
- * Products which have been modified or incorporated into other products.
- * Products purchased or serviced outside the USA.
- * Acts of nature, such as but not limited to lightning damage.

LIMITATION OF WARRANTY:

- * The warranty stated above is the only warranty applicable to this product. All other warranties, express or implied (including all implied warranties of merchantability of fitness for a particular purpose) are hereby disclaimed. No verbal or written information given by Market Direct, it's agent, or employees shall create a guaranty or in any way increase the scope of this warranty.
- * Repair or replacement as provided under this warranty is the exclusive remedy of the consumer. Market Direct shall not be liable for incidental or consequential damages resulting for the use of this product or arising out of any breach of any express or implied warranty on this product. This disclaimer of warranties and limited warrant are governed by the laws of the State of Massachusetts. Except to the extent prohibited by applicable law, any implied warrant of merchantability or fitness for a particular purpose on this product is limited to the applicable warranty period set forth above.

Market Direct, 143 York Road, Mansfield, MA02048, USA