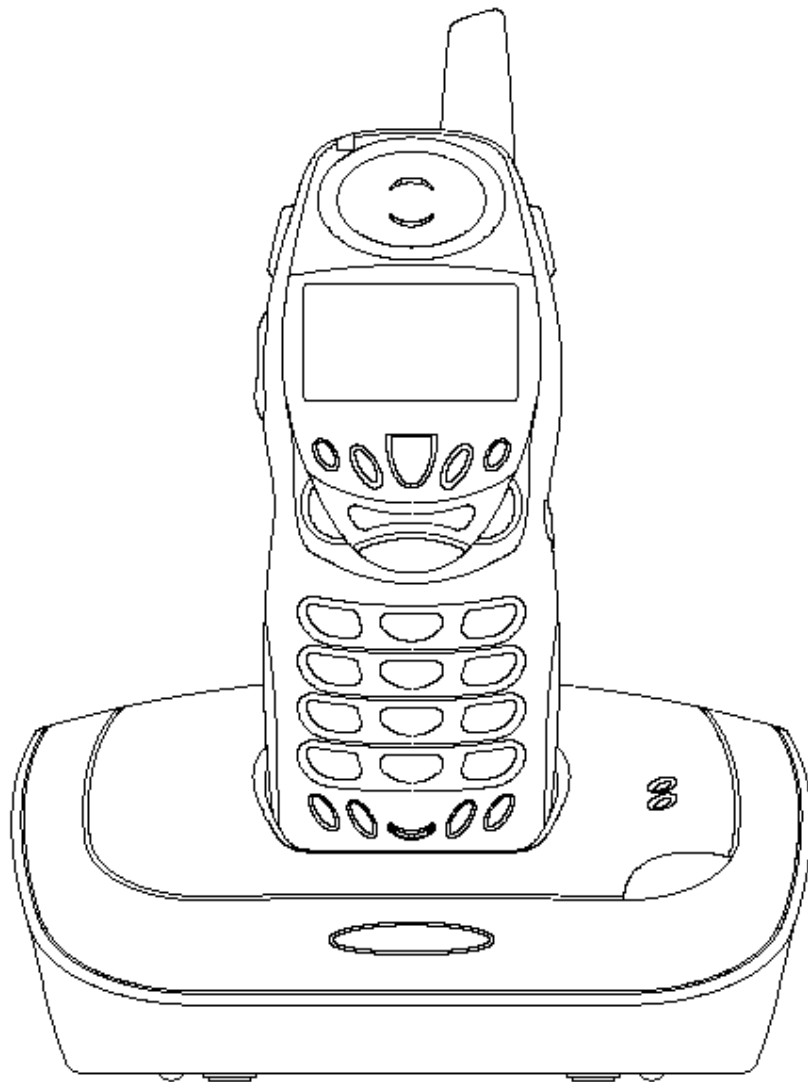


MD220

**5.8GHz Digital Cordless Phone with Basic
Caller ID Type 2.0/2.5
User's Guide**



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.

The telephone company may make changes in its communications facilities, equipment, operations 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.

CAUTION / WARNING: Changes or modifications not expressly approved by Market Direct could void not only the user's authority to operate the equipment, but also the limited warranty.

HEARING AID COMPATIBILITY (HAC)

This telephone system meets FCC standards for Hearing Aid Compatibility.

US NUMBER IS LOCATED ON THE CABINET BOTTOM REN NUMBER IS LOCATED ON THE CABINET BOTTOM

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.

TABLE OF CONTENTS

EQUIPMENT APPROVAL INFORMATION	REDIAL
INTERFERENCE INFORMATION	FLASH
HEARING AID COMPATIBILITY (HAC)	VOLUME
INTRODUCTION	MUTE
HANDSET LAYOUT	PAGE
BASE LAYOUT	PAGING FROM BASE
BEFORE YOU BEGIN	CALLER (CID)
PARTS CHECKLIST	CALL WAITING CALLER ID
TELEPHONE JACK REQUIREMENTS	REVIEW CID RECORDS
IMPORTANT INSTALLATION INFORMATION	DELETE A CID RECORD
IMPORTANT INSTALLATION GUIDELINES	DELETE ALL CID RECORDS
INSTALLING THE PHONE	CHANGING THE NUMBER FORMAT
CONNECTING THE AC (ELECTRICAL)	MEMORY
POWER	STORING A NAME AND NUMBER IN MEMORY
CONNECTING THE TELEPHONE LINE	REVIEWING AND DELETING STORED
INSTALLING THE HANDSET BATTERY	NUMBERS
INSTALLING BASE UNIT BATTERIES	SHORT-CUT KEYS FOR TELCO FEATURES
WALL MOUNTING THE BASE	CANCEL CALL WAITING BUTTON
TELEPHONE SETUP	INFO BUTTON
PROGRAMMABLE MENUS	REP DIAL BUTTON
LANGUAGE	VOICE MAIL BUTTON
LOCAL AREA CODE	AUTO REDIAL BUTTON
REGIONAL AREA CODE	CALLER ID 2.5 (CALL WAITING DELUXE)
HANDSET NAME	ANSWER
RINGER VOLUME	BUSY
RINGER TONE	CONFERENCE
VIP MELODY	VOICE MAIL
VOICE MAIL NUMBER	HOLD
INFORMATION SERVICES NUMBER	DROP
VIBRATE CALL ALERT	HOLD STATE
HANDSET REGISTRATION	CONFERENCE CALL STATE
DEFAULT	BELT CLIP AND OPTIONAL HEADSET
TELEPHONE OPERATION	ATTACHING THE BELT CLIP
CHARGE INDICATOR	CONNECTING AN OPTIONAL HEADSET TO
VOICE MAIL WAITING INDICATOR	THE HANDSET
MAKING A CALL	CHANGING THE BATTERY
ANSWERING A CALL	BATTERY SAFETY PRECAUTIONS

DISPLAY MESSAGES

TROUBLESHOOTING TIPS

CORDLESS PHONE SOLUTIONS

CALLER ID SOLUTIONS

GENERAL PRODUCT CARE

CAUSES OF POOR RECEPTION

SERVICE

INDEX

LIMITED WARRANTY

LIMITATION OF WARRANTY

INTRODUCTION



CAUTION: When using telephone equipment, there are basic safety instructions that should always be followed. Refer to the IMPORTANT SAFETY INSTRUCTIONS provided with this product and save them for future reference.

Congratulations on purchasing this Caller ID Cordless Phone. This system operates in the 5.8GHz frequency range, and is unique to conventional cordless telephones. You can place a fully featured cordless handset anywhere an electrical power line is available.

Features:

- 5.8 GHz digital technology
- Caller ID 2.0/2.5
- Call Waiting ID Deluxe
- Up to 50 phonebook memory

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:

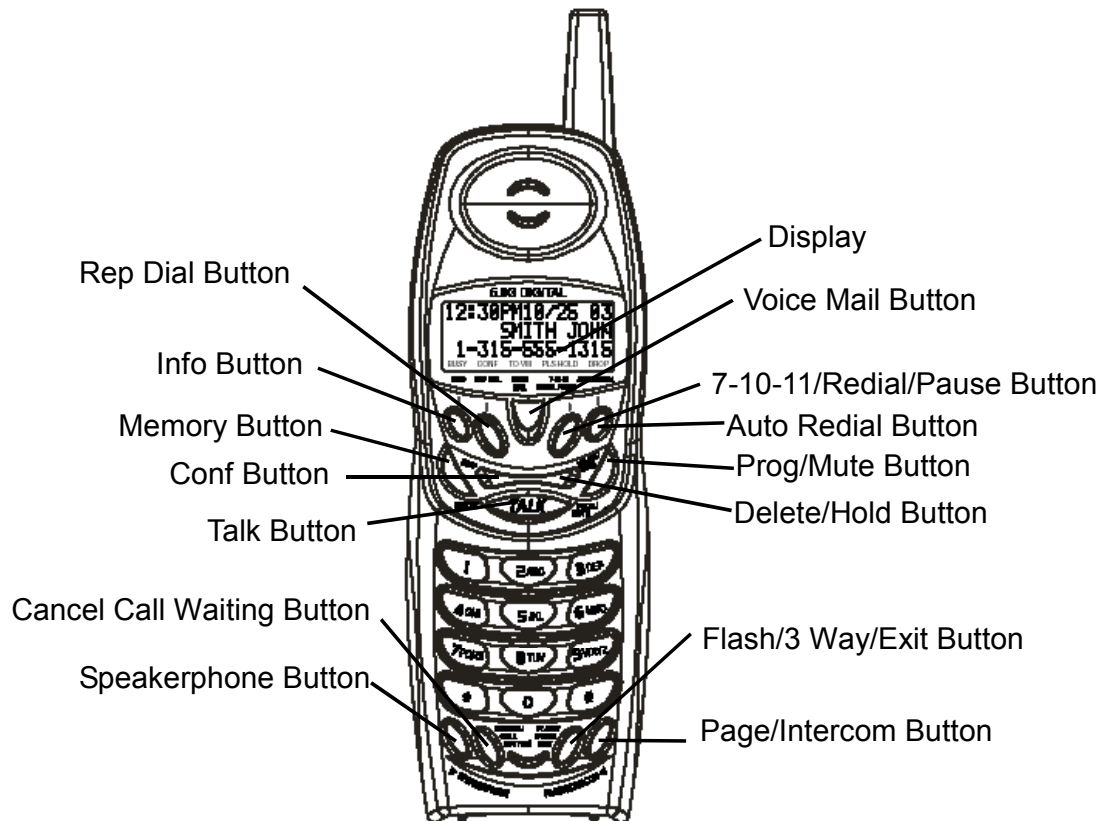
- View the name and telephone number of a caller while you are on the phone (Call Waiting Caller ID).
- Identify callers before you answer the phone.
- View the time and date of each incoming call.
- Record up to 40 Caller ID messages sequentially in the handset.
- Know who called while you are on the 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 is not cordless, in case the power in your home goes out.

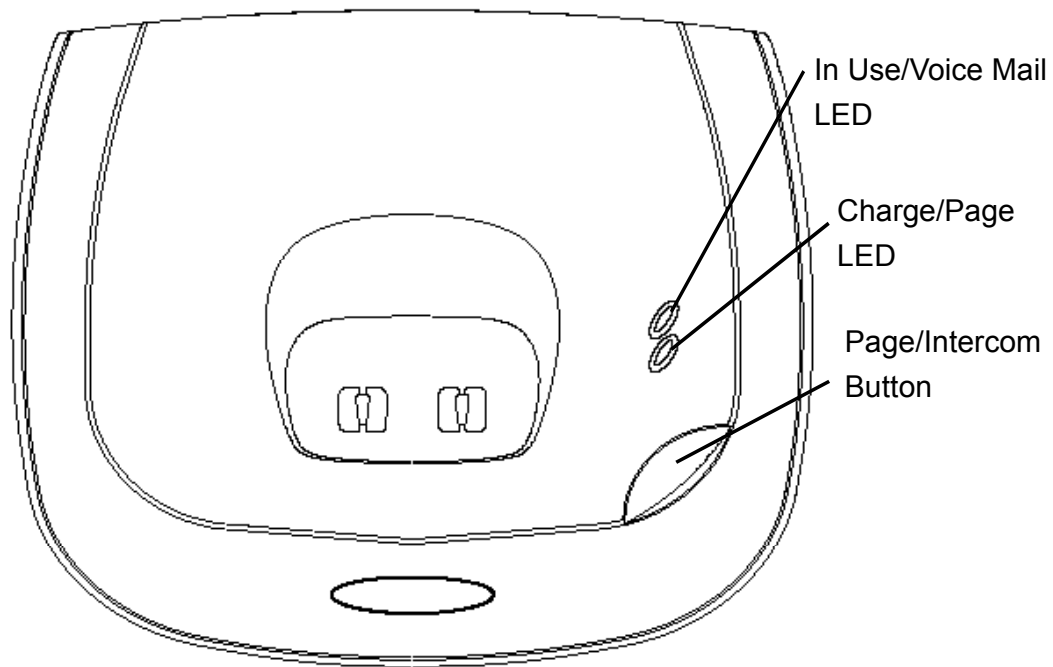
IMPORTANT: In order to use all of the features of this telephone, you must subscribe to two separate services available from your local telephone company: the standard Name/Number Caller ID Service to know who is calling when the phone rings and Call Waiting Caller ID Service to know who is calling while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

INSTALLATION NOTE: Some cordless telephones operate at frequencies that may cause interference to nearby 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 oven, or VCR. If such interference continues, move the cordless telephone further away from these appliances. Certain other communications devices may also use the 5.8 GHz frequency for communication, and, if not properly set, these devices may interfere with each other and/or your new telephone. Typical devices that may use the 5.8 GHz frequency for communication include wireless audio/video senders, wireless computer networks, multi-handset cordless telephone systems, and some long-range cordless telephone systems.

HANDSET LAYOUT



BASE LAYOUT



BEFORE YOU BEGIN

PARTS CHECKLIST

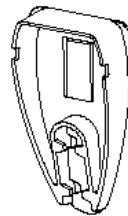
Make sure your package includes the items shown here.



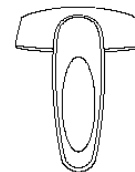
Handset



Base



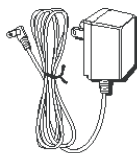
Wall Mount



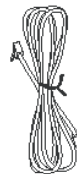
Belt Clip



Handset Battery



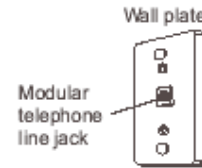
AC Power Supply



Telephone Line Cord

TELEPHONE JACK REQUIREMENTS

To use this phone, you need an RJ11C (CA11A) type modular 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.



IMPORTANT INSTALLATION INFORMATION

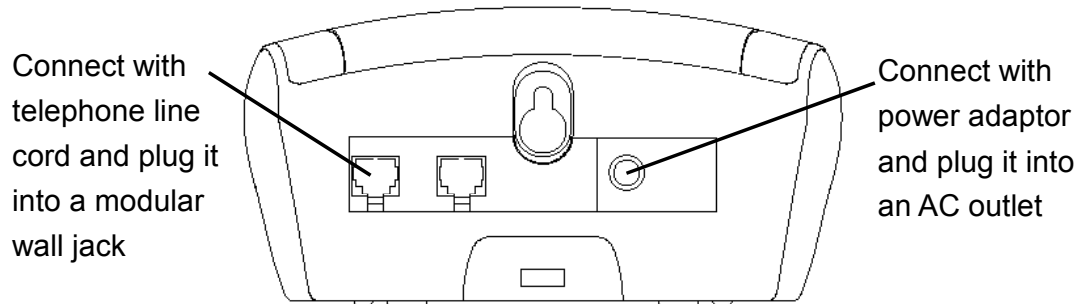
- Never install telephone wiring during a lightning storm.
- Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.
- Never touch non-insulated telephone wires or terminals, unless the telephone line has been disconnected at the network interface.
-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

IMPORTANT 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 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. Your base should be placed on a level surface such as a desk or table top, or you may mount the base on a wall.



CONNECTING THE AC (ELECTRICAL) POWER

Plug the power supply cord into the power jack on the back of the base and the other end into an electrical outlet. When the handset is placed on the cradle the charge indicator turns on to indicate the battery is charging.



CAUTION: Use only the Input: AC 120V 60Hz Output: DC9V 700mA power supply that came with this unit. Using other power supplies may damage the unit.

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 phone jack.

INSTALLING THE HANDSET BATTERY

NOTE: You must connect the handset battery before use.

1. Push down on the top of the battery compartment cover (located on the back of handset) and remove the cover.
2. Lift the battery pack and connect its plug to the jack inside the compartment.
3. Close the battery compartment by pushing the cover up until it snaps into place.
4. Place the handset in the charging cradle.

Allow handset to charge for 12 hours prior to first use. If you don't properly charge the handset, battery performance is compromised.

Remark: The handset is dual-face chargeable. You can place the handset on the cradle with either one side facing you to proceed charging.

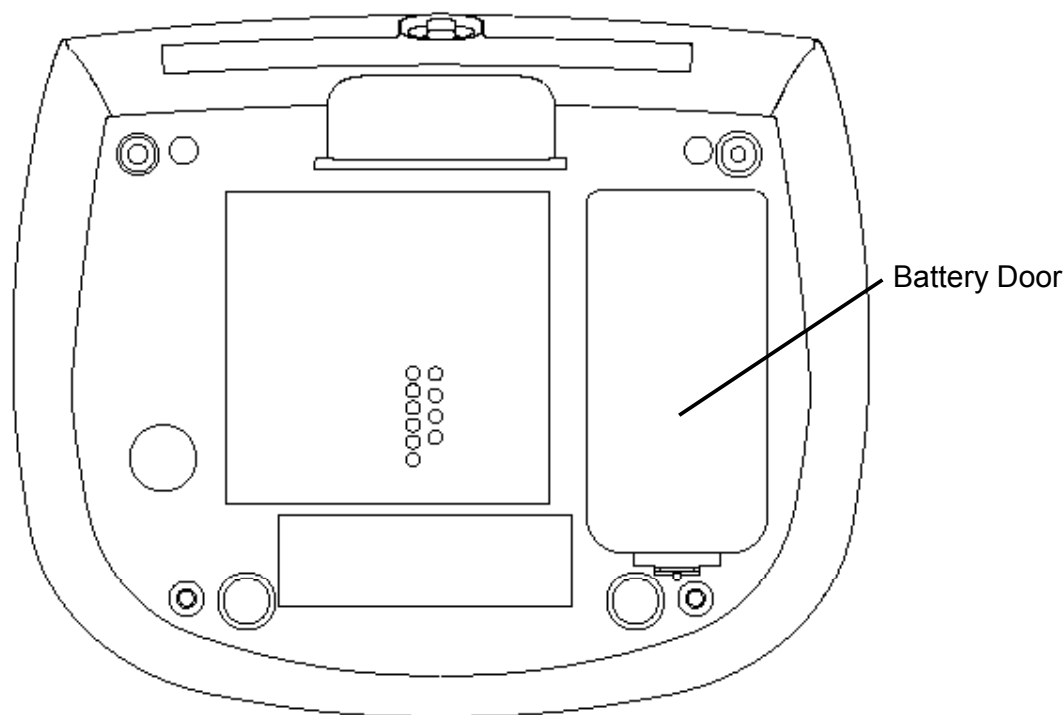
INSTALLING BASE UNIT BATTERIES

NOTE: AA size batteries are not included in the package.

NOTE: Alkaline AA size batteries are recommended to use.

Batteries inserted in the base unit allow you to use the telephone when the adaptor is damaged or there is no power supply.

1. Open the battery door at the bottom of the base.
2. Insert four AA size batteries.
3. Close the battery door.



WALL MOUNTING THE BASE

NOTE: For the best result, leave the phone on a flat surface during initial charging before you hang the phone on the wall.

1. Turn the base over.
2. Attach the wall mounting pedestal by first inserting the tabs on the open edge of the pedestal into the slots on the lower portion of the bottom of the base. Then push down and snap the pedestal into place.
3. Slip the mounting holes (on the back of the pedestal) over the wall plate posts and slide the unit down into place. (Wall plate not included).

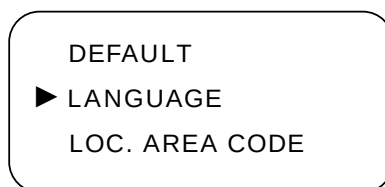
TELEPHONE SETUP

PROGRAMMABLE MENUS

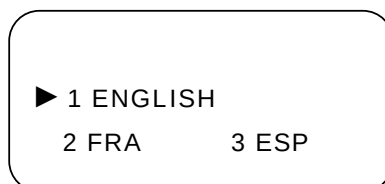
There are twelve programmable menus available on the handset: Language, Local Area Code, Regional Area Code, Handset Name, Ringer Volume, Ringer Tone, VIP Melody, Voice Mail Number, Information Services Number, Vibrate Alert, Handset Registration and Default. When you program these settings, make sure the phone is not in talk mode.

LANGUAGE

1. Press the [PROG/MUTE] button to go into the program menu.
2. Press ▲ or ▼ button until ► is pointing to **LANGUAGE**.



3. Press the [PROG/MUTE] button again to go into the LANGUAGE sub-menu. **1 ENGLISH 2 FRA 3 ESP** shows in the display.



4. Press 1, 2, 3 or ▲, ▼ to choose the preferred language. The ► icon will point to the latest selection.
5. Press [PROG/MUTE] button again. You will hear a confirmation tone.

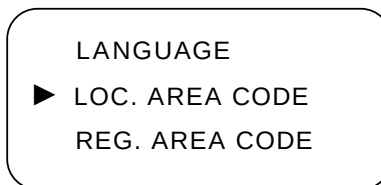
NOTE: Press the [FLASH/3 WAY/EXIT] button inside sub-menu will keep the current setting and return to program menu.

NOTE: Press the [FLASH/3 WAY/EXIT] button inside program menu will keep the current setting and return to the standby screen.

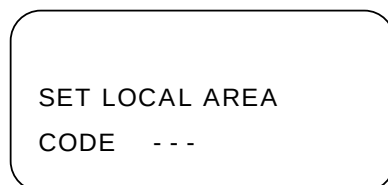
NOTE: Default is ENGLISH

LOCAL AREA CODE

1. Press the [PROG/MUTE] button to go into the program menu.



2. Press ▲ or ▼ button until ► is pointing to **LOC. AREA CODE**.
3. Press the [PROG/MUTE] button again to go into the LOCAL AREA CODE sub-menu. **SET LOCAL AREA CODE - - -** shows in the display.
4. You can enter 3-digit local area code.

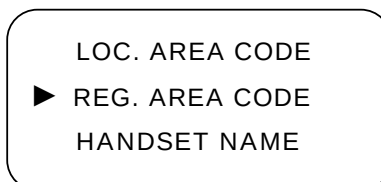


5. Press the [PROG/MUTE] button again. You will hear a confirmation tone.

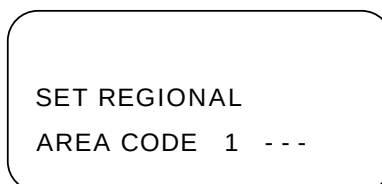
NOTE: Press the [FLASH/3 WAY/EXIT] button inside sub-menu will keep the current setting and return to program menu.
NOTE: Press the [FLASH/3 WAY/EXIT] button inside program menu will keep the current setting and return to the standby screen.
NOTE: If the Local Area Code matches with the CID number, then the unit will only dial the last seven digits of the CID during redial.
NOTE: The Local Area Code can set to blank by pressing [DELETE/HOLD] button.
NOTE: Default is - - -.

REGIONAL AREA CODE

1. Press the [PROG/MUTE] button to go into the program menu.
2. Press ▲ or ▼ button until ► is pointing to **REG. AREA CODE**.



3. Press the [PROG/MUTE] button again to go into the REGIONAL AREA CODE sub-menu. **SET REGIONAL AREA CODE** shows in the display.



4. Enter 3-digit area code.

5. Press ▲ or ▼ to set up 6 different Regional Area Codes.
6. Press the [PROG/MUTE] again. You will hear a confirmation tone.

NOTE: Press the [FLASH/3 WAY/EXIT] button inside sub-menu will keep the current setting and return to program menu.

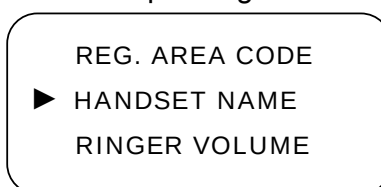
NOTE: Press the [FLASH/3 WAY/EXIT] button inside program menu will keep the current setting and return to the standby screen.

NOTE: The Regional Area Code can set to blank by pressing [DELETE/HOLD] button.

NOTE: Default is - - -.

HANDSET NAME

1. Press the [PROG/MUTE] button to go into the program menu.
2. Press ▲ or ▼ button until ► is pointing to **HANDSET NAME**.



3. Press the [PROG/MUTE] button again to go into the HANDSET NAME sub-menu. **HANDSET NAME** shows in the display.



4. Use the handset keypad 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. Wait for 1 second. 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.
5. Press the [PROG/MUTE] button to confirm setting. You will hear a confirmation tone.

NOTE: Press the [FLASH/3 WAY/EXIT] button inside sub-menu will keep the current setting and return to program menu.

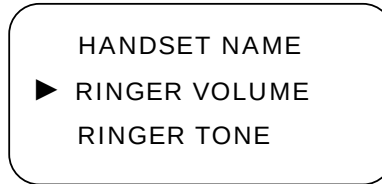
NOTE: Press the [FLASH/3 WAY/EXIT] button inside program menu will keep the current setting and return to the standby screen.

NOTE: Maximum number of characters for handset name is 15.

NOTE: Default is BLANK.

RINGER VOLUME

1. Press the [PROG/MUTE] button to go into the program menu.
2. Press ▲ or ▼ button until ► is pointing to **RINGER VOLUME**.



3. Press the [PROG/MUTE] button again to go into the RINGER VOLUME sub-menu. **SET RINGER VOL** shows in the display.



4. Press ▲ or ▼ to choose the ringer volume (HIGH, MEDIUM, LOW or OFF).
5. Press the [PROG/MUTE] button again. You can hear a confirmation tone.

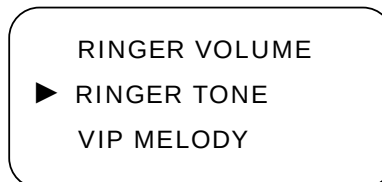
NOTE: Press the [FLASH/3 WAY/EXIT] button inside sub-menu will keep the current setting and return to program menu.

NOTE: Press the [FLASH/3 WAY/EXIT] button inside program menu will keep the current setting and return to the standby screen.

NOTE: Default is HIGH.

RINGER TONE

1. Press the [PROG/MUTE] button to go into the program menu.
2. Press ▲ or ▼ button until ► is pointing to **RINGER TONE**.



3. Press the [PROG/MUTE] button again to go into the RINGER TONE sub-menu. **SET RINGER TONE** shows in the display.



4. Press ▲ or ▼ to choose the preferred ringer tone.
5. Press the [PROG/MTUE] button again. You can hear a confirmation.

NOTE: Press the [FLASH/3 WAY/EXIT] button inside sub-menu will keep the current setting and return to program menu.

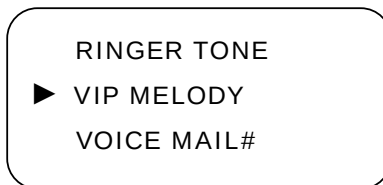
NOTE: Press the [FLASH/3 WAY/EXIT] button inside program menu will keep the current setting and return to the standby screen.

NOTE: There are totally 2 Standard Ringers and 8 Melody Ringers available.

NOTE: Default is STANDARD 1.

VIP MELODY

1. Press the [PROG/MUTE] button to go into the program menu.
2. Press ▲ or ▼ button until ▶ is pointing to **VIP MELODY**.



3. Press the [PROG/MUTE] button again to go into the VIP MELODY sub-menu. **SET VIP MELODY** shows in the display.



4. Press 1, 2 or ▲, ▼ to choose Yes or No. The ▶ icon will point to the latest selection.
5. Press the [PROG/MUTE] button again to select the choice.
6. Choose NO to deactivate the VIP melody. It will return to program menu.
- OR -
7. Choose YES to activate the VIP melody.
8. A VIP Melody sub-menu is shown. Press ▲ or ▼ key to choose a VIP Melody location. (Totally 10 VIP Melody locations available)



9. Press the [PROG/MUTE] button again to set VIP Melody. If there is no entry in the phonebook, you can hear a warning beep after pressing the [PROG/MUTE] button and the following screen will be displayed.



10. Make sure there is at least one entry in the phonebook. Press the [PROG/MUTE] button again after step 6. **SELECT MEMORY** displays on the screen. Then you will see the record(s) in the phonebook.
11. Press ▲ or ▼ key to choose which entry to be used with this selected VIP Melody. Press the [PROG/MUTE] button again to confirm.
12. Then **VIP MELODY** shows in the display.
13. Press ▲ or ▼ key to choose which ringer to be used for this VIP Melody. Press the [PROG/MUTE] button again to confirm.
14. The setup for one VIP Melody is finished. It returns to the program menu.

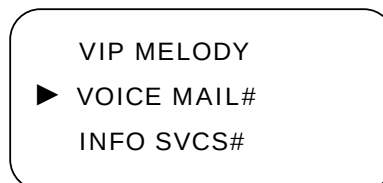
NOTE: Press the [FLASH/3 WAY/EXIT] button inside sub-menu will keep the current setting and return to program menu.

NOTE: Press the [FLASH/3 WAY/EXIT] button inside program menu will keep the current setting and return to the standby screen.

NOTE: Default is NO.

VOICE MAIL NUMBER

1. Press the [PROG/MUTE] button to go into the program menu.
2. Press ▲ or ▼ button until ► is pointing to **VOICE MAIL#**.



3. Press the [PROG/MUTE] button again to go into the VOICE MAIL NUMBER sub-menu. **SET VOICE MAIL#** shows in the display.

SET VOICE MAIL#

4. You can enter the voice mail service number (Max. 20 digits)
5. Press the [PROG/MUTE] button again. You can hear a confirmation tone.

NOTE: Press the [FLASH/3 WAY/EXIT] button inside sub-menu will keep the current setting and return to program menu.

NOTE: Press the [FLASH/3 WAY/EXIT] button inside program menu will keep the current setting and return to the standby screen.

NOTE: Default is BLANK.

INFORMATION SERVICES NUMBER

1. Press the [PROG/MUTE] button to go into the program menu.
2. Press ▲ or ▼ button until ► is pointing to **INFO SVCS#**.

VOICE MAIL#
► INFO SVCS#
VIBRATE ALERT

3. Press the [PROG/MUTE] button again to go into the INFORMATION SERVICES NUMBER sub-menu. **SET INFO SVCS#** shows in the display.

SET INFO SVCS#
411

4. You can enter the information services number (Max. 11 digits)
5. Press the [PROG/MUTE] button again. You can hear a confirmation tone.

NOTE: Press the [FLASH/3 WAY/EXIT] button inside sub-menu will keep the current setting and return to program menu.

NOTE: Press the [FLASH/3 WAY/EXIT] button inside program menu will keep the current setting and return to the standby screen.

NOTE: Default is 411.

VIBRATE CALL ALERT

1. Press the [PROG/MUTE] button to go into the program menu.
2. Press ▲ or ▼ button until ► is pointing to **VIBRATE ALERT**.

INFO SVCS#
► VIBRATE ALERT
REGISTRATION

3. Press the [PROG/MUTE] button again to go into the VIBRATOR CALL ALERT sub-menu. **SET VIBRATOR** shows in the display.



4. Press 1, 2 or ▲,▼ to choose between ON and OFF. The ► icon will point to the latest selection.
5. Press [PROG/MUTE] button again. You will hear a confirmation tone.

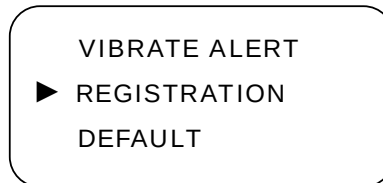
NOTE: Press the [FLASH/3 WAY/EXIT] button inside sub-menu will keep the current setting and return to program menu.

NOTE: Press the [FLASH/3 WAY/EXIT] button inside program menu will keep the current setting and return to the standby screen.

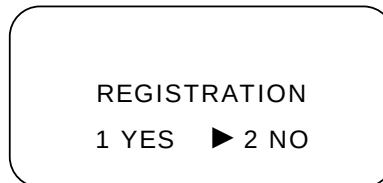
NOTE: Default is OFF.

HANDSET REGISTRATION

1. Press the [PROG/MUTE] button to go into the program menu.
2. Press ▲ or ▼ button until ► is pointing to **REGISTRATION**.



3. Press the [PROG/MUTE] button again to go into the REGISTRATION sub-menu. **REGISTRATION** shows in the display.



4. Press 1, 2 or ▲,▼ to choose between YES and NO. The ► icon will point to the latest selection.
5. If YES is selected, follow the instruction showing on the screen to register the handset.
6. Press [PROG/MUTE] button again. You will hear a confirmation tone.

NOTE: Press the [FLASH/3 WAY/EXIT] button inside sub-menu will keep the current setting and return to program menu.

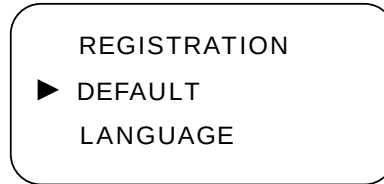
NOTE: Press the [FLASH/3 WAY/EXIT] button inside program menu will keep the current setting and return to the standby screen.

NOTE: You are recommended to register the handset before first use.

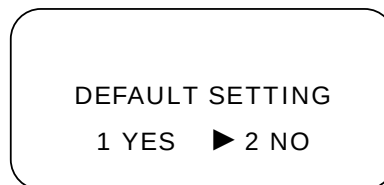
NOTE: Default is NO.

DEFAULT

1. Press the [PROG/MUTE] button to go into the program menu.
2. Press ▲ or ▼ button until ► is pointing to **DEFAULT**.



3. Press the [PROG/MUTE] button again to go into the DEFAULT sub-menu. **DEFAULT SETTING** shows in the display.



4. Press 1, 2 or ▲, ▼ to choose between YES and NO. The ► icon will point to the latest selection.
5. Press [PROG/MUTE] button again. You will hear a confirmation tone.

NOTE: Press the [FLASH/3 WAY/EXIT] button inside sub-menu will keep the current setting and return to program menu.

NOTE: Press the [FLASH/3 WAY/EXIT] button inside program menu will keep the current setting and return to the standby screen.

NOTE: Default is NO.

TELEPHONE OPERATION

For hands-free operation and convenience, your system is equipped with a speakerphone.

For the best speakerphone performance, avoid the following:

- Areas with high background noise. (The microphone might pick up these sounds.)
- Surfaces affected by vibration.
- Recessed areas such as in a corner, under a cupboard, or next to a cabinet, which can generate an echo effect.
-

CHARGE INDICATOR

When the charge indicator is lit, the handset is correctly seated in the cradle

and is charging. The indicator flashes when the base pages the handset, or when you receive an incoming call.

VOICE MAIL WAITING INDICATOR

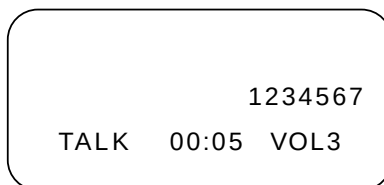
When there is voice mail waiting in the telephone service provider, the Voice Mail LED on the base will light up. After listening to the voice mail, the Voice Mail LED will be off.

MAKING A CALL

1. Pick up the handset and press the [TALK] button.

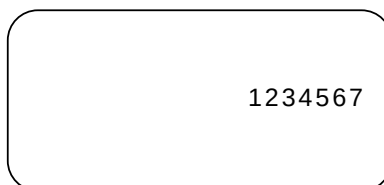


2. When you hear a dial tone, dial a telephone number.



3. When finished, press the [TALK] button again to hang up.
OR

1. Dial the phone number first, then press the [TALK] button.



2. When finished, press the [TALK] button again to hang up.

NOTE: If you make a mistake press the [DELETE/HOLD] button to backspace and erase the wrong number(s).

NOTE: For pre-dialing, 32 digits can be entered in maximum.

ANSWERING A CALL

1. When the phone rings, pick up the handset and press the [TALK] button.
2. When finished, press the [TALK] button or place the handset back in the

cradle to hang up.

REDIAL

1. Press the [TALK] button on the handset.
2. Press the [7-10-11/REDIAL/PAUSE] button to redial the last number you called (up to 32 digits). If you get a busy signal, and want to keep dialing the number, press the [7-10-11/REDIAL/PAUSE] button to dial the number directly.

FLASH

Use the [FLASH/3 WAY/EXIT] button on the handset to activate custom calling services, such as call waiting or call transfer, which are available through you local phone company.

TIP: Don't use the [TALK] button to activate custom calling services such as call waiting, or you will hang up the phone.

VOLUME

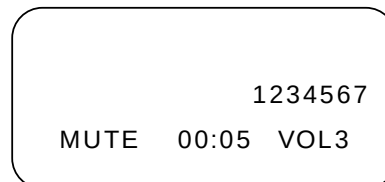
When the phone is ON, press ▲ or ▼ buttons to adjust the volume of the handset's earpiece to a comfortable listening level.

There are 4 settings to choose from. VOL 1 is the minimum volume level and VOL 4 is the maximum.

MUTE

Use the [PROG/MUTE] button during a phone conversation to speak privately and off-line with a third party.

1. Press the [PROG/MUTE] button on the handset. **MUTE** shows in the display and the party on the telephone cannot hear your external conversation.

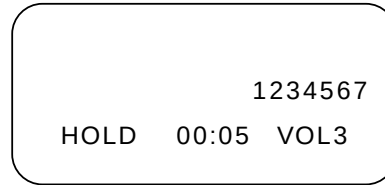


2. Press the [PROG/MUTE] button again when finished.

HOLD

1. Press the [DELETE/HOLD] button on the handset to hold the far end.

HOLD shows in the display.



2. Press the [TALK] button to un-hold and take the line again.

PAGE

PAGING FROM BASE

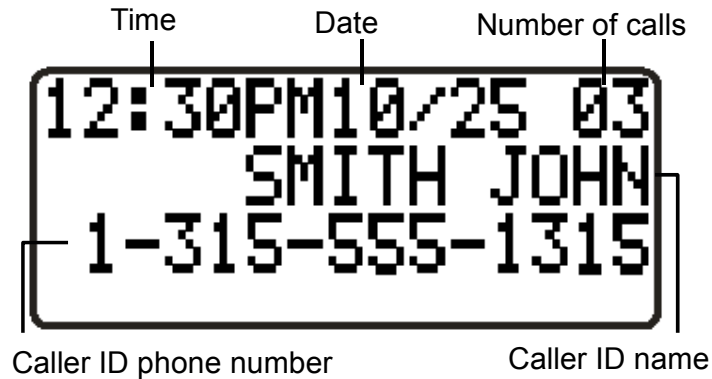
This feature helps to locate a misplaced handset.

1. Press the [PAGE/INTERCOM] button on the base. All registered handsets beep for one minute. Then **PAGING FROM BASE** shows on the display.
2. To cancel the page, press the [TALK] or [FLASH/3 WAY/EXIT] button on the handset or the [PAGE/INTERCOM] button on the base.

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 Caller ID service from your local telephone company.

This unit receives and displays information transmitted by your local phone company. This information can include the phone number, date and time; or the name, phone number, date and time. The unit can store up to 40 calls for later review.



CALL WAITING CALLER ID

To receive Caller ID (CID) information from a Call Waiting call, you must subscribe to the combined Call Waiting Caller ID service from your local telephone company. Call Waiting Caller ID service allows you to see CID information for an incoming call while you are on the telephone.

REVIEW CID RECORDS

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

1. Make sure the phone is not in talk mode.
2. Press the ▼ button to scroll through the call records from the oldest to the newest.
3. Press the ▲ button to scroll through the call records from the newest to the oldest.

DELETE A CID RECORD

1. Make sure the phone is not in talk mode.
2. When reviewing the most current record, press the [DELETE/HOLD] button on the handset. The display shows **DELETE?**.
3. Press the [DELETE/HOLD] again to confirm. The display shows **DELETED**.

DELETE ALL CID RECORDS

1. Make sure the phone is not in talk mode.
2. Press the ▲ or ▼ buttons until a CID record displays.
3. Press and hold the [DELETE/HOLD] button for 3 seconds. The display shows **DELETE ALL?**.
4. Press the [DELETE/HOLD] button again to erase all records. The display shows **NO CALLS**.

CHANGING THE NUMBER FORMAT

The [7-10-11/REDIAL/PAUSE] button lets you change the format of a telephone number. Available formats are:

- | | |
|-----------------|--|
| 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 + 7-digit telephone number. |

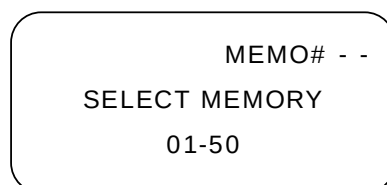
1. Make sure the phone is not in TALK mode.
2. Use the ▲ or ▼ buttons on the handset to scroll to the number you want to call back.
3. Press [7-10-11/REDIAL/PAUSE] button on the handset to select another format.
4. Press [TALK] button to dial the number.
5. Repeat step 3, if necessary, until the correct number format is selected.

MEMORY

Store up to 50 20-digit numbers in memory for quick dialing.

STORING A NAME AND NUMBER IN MEMORY

1. Press the [MEMORY] button on the handset.



2. Press the desired memory location (01-50). If the memory location is

occupied, the memory location and stored name and number appear on the screen. If the memory location is empty, **EMPTY** appears in the display.

3. Press the memory button again. The display shows **ENTER NAME**.
4. Use the handset keypad 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. Wait for 1 second. 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 [DELETE/HOLD] button to backspace and erase the wrong character(s) or number(s).

5. Press the [MEMORY] button again to save the name. Then display shows **ENTER TEL NUMBER**.
6. Use the handset keypad to enter the area code followed by the telephone number (up to 20 digits, including pause(s)) and press the [MEMORY] button again to save your selection. The unit beeps to confirm.
7. To enter another name and number in a different memory location, return to step 1 and repeat the process.

NOTE: You can save the number that is in the redial memory by pressing [7-10-11/REDIAL/PAUSE] button when entering the numbers.

NOTE: When entering numbers, Pause (P) can be entered by pressing # key two times quickly.

REVIEWING AND DELETING STORED NUMBERS

1. Make sure the phone is not in TALK mode.
2. Press the [MEMORY] button on the handset.
3. Use the ▲ or ▼ button on the handset to scroll to the desired memory location, or use the keypad to enter the desired memory location.
4. If you want to delete the information, press the [DELETE/HOLD] button on the handset while the entry displays. The display shows **DELETE?**
5. Press the [DELETE/HOLD] button again to confirm. The display shows ****DELETED****.

- OR -

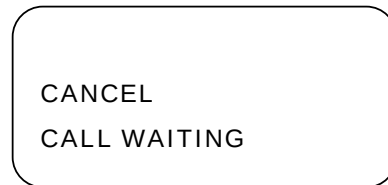
6. If the [DELETE/HOLD] button is pressed for 3 seconds after step 4, the display shows **DELETE ALL?**. Press the [DELETE/HOLD] button again to confirm deleting all record(s). The display shows ****DELETED****.

SHORT-CUT KEYS FOR TELCO FEATURES

There are several special keys on the handset for calling Telco features.

CANCEL CALL WAITING BUTTON

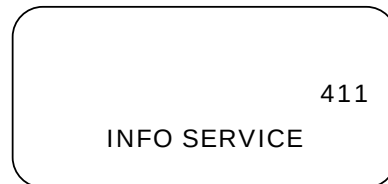
1. Press [CANCEL CALL WAITING] button at both on-hook and off-hook state will cancel the Call Waiting service in your telephone company
2. **CANCEL CALL WAITING** displays on the screen.



3. Press the [TALK] button to return to standby screen.

INFO BUTTON

1. Press the [INFO] button on the handset will automatically dial to the Information Service Number entered in program menu.
2. **INFO SERVICE** displays on the screen.

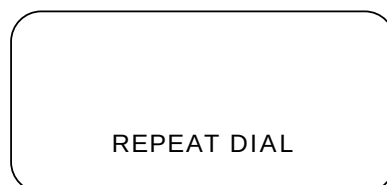


3. Press the [TALK] button to return to standby screen.

NOTE: You can change the Information Service Number in program menu at anytime.

REP DIAL BUTTON

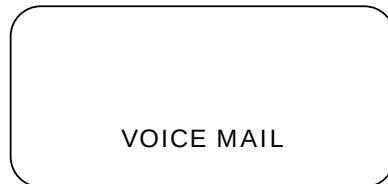
1. Press the [REP DIAL] button to re-dial the previously dialed number.



2. If the called number is still busy, press [TALK] or [SPEAKERPHONE] to put the phone on-hook. The telephone company will try to connect to the designated number.
3. There will be a special ringer tone to show the phone is connected successfully.
4. Press the [TALK] button to return to standby screen.

VOICE MAIL BUTTON

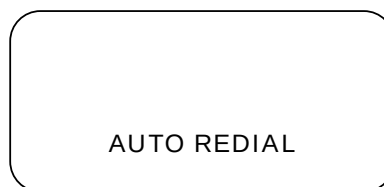
1. Press the [VOICE MAIL] button on the handset will automatically dial the Voice Mail Number entered in program menu.
2. **VOICE MAIL** displays on the screen.



3. Press the [TALK] button to return to standby screen.

AUTO REDIAL BUTTON

1. Press the [AUTO REDIAL] button to dial the last received number.

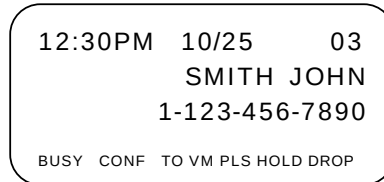


2. If the number is busy, press [TALK] or [SPEAKERPHONE] to put the phone on-hook. The telephone company will try to connect to the designated number.
3. There will be a special ringer tone to show the phone is connected successfully.
4. Press the [TALK] button to return to standby screen.

CALLER ID 2.5 (CALL WAITING DELUXE)

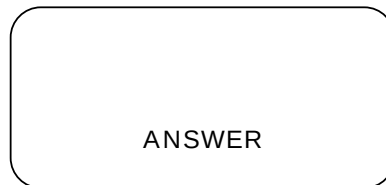
If you subscribe Caller ID 2.5 service from the telephone company, you will have the additional Call Waiting functions shown below.

When Caller ID 2.5 information is received, a Waiting State menu and the Caller ID will be displayed on the screen.



ANSWER

1. Press the [FLASH/3-WAY/EXIT] button to hold the far-end party and connect to the waiting party.
2. Hold state is available. (Detail description in other section)
3. **ANSWER** displays on the screen.



4. Return to normal display screen after 3 seconds.

BUSY

1. Press the [INFO] button to connect the waiting party to a specified announcement and remain connecting to the far-end party.
2. **TELL BUSY** displays on the screen.



3. Return to normal display screen after 3 seconds.

CONFERENCE

1. Press the [REP DIAL] button to join the waiting party together with the existing connection.

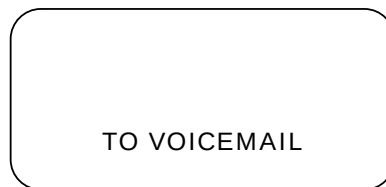
2. Conference Call state is available. (Detail description in other section)
3. **CONFERENCE** displays on the screen.



4. Return to normal display screen after 3 seconds.

VOICE MAIL

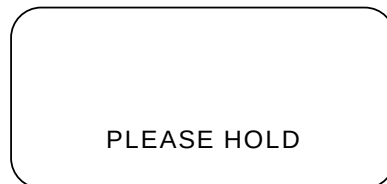
1. Press the [VOICE MAIL] button to forward the waiting party to a preset destination and remain connecting to the existing party.
2. **TO VOICEMAIL** displays on the screen



3. Return to normal display screen after 3 seconds.

HOLD

1. Press the [7-10-11/REDAIL/PAUSE] button to connect the waiting party to a HOLD announcement.
2. Hold state is available. (Detail description in other section)
3. **PLEASE HOLD** displays on the screen.

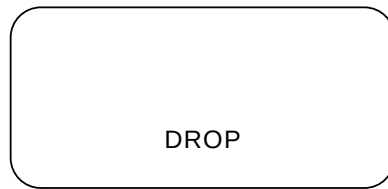


4. Return to normal display screen after 3 seconds.

DROP

1. Press the [AUTO REDIAL] button to disconnect the far-end party and get connected to the waiting party.

2. **DROP** displays on the screen.



3. Return to normal display screen after 3 seconds.

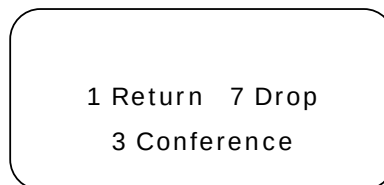
HOLD STATE

Below sub-menu is displayed if Hold state is available.

RETURN Press [1] to toggle between the held party and the far-end party.

CONFERENCE Press [3] to connect the on-hold party and the far-end party in a 3-way conference call.

DROP Press [7] to connect to the on-hold party and disconnect the far-end party.

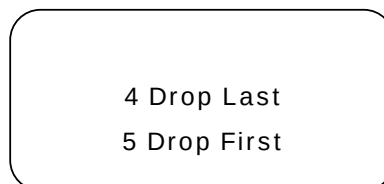


CONFERENCE CALL STATE

Below sub-menu is displayed if Conference Call state is available.

DROP FIRST Press [5] to disconnect the first calling party.

DROP LAST Press [4] to disconnect the last calling party.



BELT CLIP AND OPTIONAL HEADSET

ATTACHING THE BELT CLIP

1. Insert the sides of the clip into the slots on each side of the handset.
2. Snap the belt clip.

CONNECTING AN OPTIONAL HEADSET TO THE HANDSET

The handset can be used with an optional headset for 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] button to answer a call or make calls using the headset.
4. To return to normal operation, unplug the headset from the jack.

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 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. Reconnect the battery pack and insert it in the battery compartment.
5. Put the battery compartment cover back on.
6. Place handset in the base or handset charge cradle. If you don't charge the handset battery properly (for 12 hours) when you first set up the phone and/or when you install a new battery pack, the battery's long-term performance is compromised.

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.
- To reduce the risk of fire or personal injury, use only the battery listed in the User's Guide.
- Keep batteries out of the reach of children.
- Remove batteries if storing over 30 days.

DISPLAY MESSAGES

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

ERROR	Caller information is interrupted during transmission, or the phone is excessively noisy.
ENTER TEL NUMBER	Prompt telling you to enter a telephone number in one of the 50 memory locations.
ENTER NAME	Prompt telling you to enter the name for one of the 50 memory locations.
DELETE ALL?	Prompt asking if you want to erase all Caller ID records.
DELETE CALL ID?	Prompt asking if you want to erase a Caller ID record.
DELETED	Prompt confirming the Caller ID record is erased.
END OF LIST	Indicates that there is no additional information in Caller ID memory.
NEW	Indicates call or calls have not been reviewed.
UNKNOWN NAME/ CALLER/NUMBER	The incoming call is from an area not serviced by Caller ID or the CID information was not sent.
PAGING FROM BASE	Indicates the page button on the base is pressed.
BLOCKED CALL	The caller's number is blocked from transmission.
BLOCKED NAME	The callers' name is blocked from transmission.
LINE IN USE	Indicates the telephone line is in use.
OUT OF RANGE	Indicates the handset is too far away from the base.
LOW BATTERY	Indicates the battery needs to be charged.
EMPTY	Indicates a memory location is vacant.
NO CALLS	Indicates no calls have been received.

TROUBLESHOOTING TIPS

CORDLESS PHONE 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 wall 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 (12 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/in use indicator on the base should be lit when the handset rests in the cradle. If not, the battery may need to be changed.
-

Handset does not ring

- Make sure the RINGER VOLUME setting is not OFF.
 - 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 phones.
 - Check for dial tone.
-

You experience static, noise or fading in and out.

- The handset may be out of range of the base. Move closer to the base.
 - Relocate the base. Make sure the base is not plugged into an outlet with another household appliance.
 - Charge the battery.
-

Unit beeps

- Clean charging contacts on handset and base with a soft cloth or an eraser.
 - See solutions for "No dial tone".
 - Charge battery for 12 hours or replace the battery.
-

Memory dialing doesn't work

- Did you program the memory location key(s) correctly?
 - Did you follow proper dialing sequence?
-

CALLER ID SOLUTIONS

No Display

- Charge the battery (for 12 hours). Or replace the battery.
- Make sure that the unit is connected to a non-switched electrical outlet.
Disconnect the power converter from the outlet and plug it in again.

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

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 either the presence of noises on the line, or that an invalid message has been sent from the telephone company.

GENERAL PRODUCT CARE

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

- Avoid putting the phone near heating appliances and devices that generate electrical noise (for example, motors or fluorescent lamps).
- DO NOT expose to direct sunlight or moisture.
- Avoid dropping the unit and other rough treatment.
- Clean with a soft cloth.
- Never use a strong cleaning agent or abrasive powder because this 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 soft cloth.

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, computer, 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
- Microwave oven is using the same frequency.

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.

INDEX

A

ANSWER

ANSWERING A CALL

ATTACHING THE BELT CLIP

AUTO REDIAL BUTTON

B

BASE LAYOUT

BATTERY SAFETY PRECAUTIONS

BEFORE YOU BEGIN

BELT CLIP AND OPTIONAL HEADSET

BUSY

C

CALL WAITING CALLER ID

CALLER (CID)

CALLER ID 2.5 (CALL WAITING DELUXE)

CALLER ID SOLUTIONS

CANCEL CALL WAITING BUTTON

CAUSES OF POOR RECEPTION

CHANGING THE BATTERY

CHANGING THE NUMBER FORMAT

CHARGE INDICATOR

CONFERENCE

CONFERENCE CALL STATE

CONNECTING AN OPTIONAL HEADSET TO THE
HANDSET

CONNECTING THE AC (ELECTRICAL) POWER

CONNECTING THE TELEPHONE LINE

CORDLESS PHONE SOLUTIONS

D

DEFAULT

DELETE A CID RECORD

DELETE ALL CID RECORDS

DISPLAY MESSAGES

DROP

E

EQUIPMENT APPROVAL INFORMATION

F

FLASH

G

GENERAL PRODUCT CARE

H

HANDSET LAYOUT

HANDSET NAME

HANDSET REGISTRATION

HEARING AID COMPATIBILITY (HAC)

HOLD

HOLD STATE

I

IMPORTANT INSTALLATION GUIDELINES

IMPORTANT INSTALLATION INFORMATION

INDEX

INFO BUTTON

INFORMATION SERVICES NUMBER

INSTALLING BASE UNIT BATTERIES

INSTALLING THE HANDSET BATTERY

INSTALLING THE PHONE

INTERFERENCE INFORMATION

INTRODUCTION

L

LANGUAGE

LIMITED WARRANTY

LIMITATION OF WARRANTY

LOCAL AREA CODE

M

MAKING A CALL

MEMORY

MUTE

P

PAGE

PAGING FROM BASE

PARTS CHECKLIST

PROGRAMMABLE MENUS

R

REDIAL

REGIONAL AREA CODE

REP DIAL BUTTON

REVIEW CID RECORDS

REVIEWING AND DELETING STORED NUMBERS

RINGER TONE

RINGER VOLUME

S

SERVICE SHORT-CUT KEYS FOR TELCO

FEATURES

STORING A NAME AND NUMBER IN MEMORY

T

TELEPHONE JACK REQUIREMENTS

TELEPHONE OPERATION TELEPHONE SETUP

TROUBLESHOOTING TIPS

V

VIBRATE CALL ALERT

VIP MELODY

VOICE MAIL

VOICE MAIL BUTTON

VOICE MAIL NUMBER

VOICE MAIL WAITING INDICATOR

VOLUME

W

WALL MOUNTING THE BASE

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

**Model MD220
(Rev 0)
Printed in China**