2111 USA user manual

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.

   US Number is located on the cabinet bottom.
   REN Number is located on the cabinet bottom.

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.
Privacy of Communications may not be ensured when using this product. 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 004-000-0034 5-4 when ordering copies.
Notice: The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Hearing Aid Compatibility (HAC)

This telephone system meets FCC standards for Hearing Aid Compatibility.

Licensing
Licensed under US Patent xxxxxxx

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.
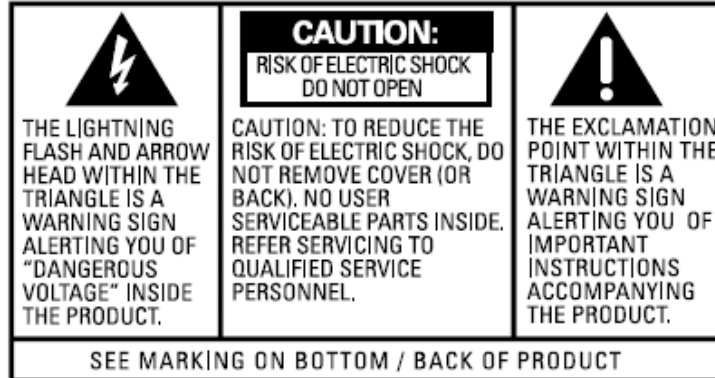For body worn operation, this phone has been tested and meets the FCC RF exposure guidelines when used with the belt clip supplied with this product. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

Information for DECT Product
This telephone is compliant with the DECT 6.0 standard which operates in the 1.92GHz to 1.93GHz frequency range. Installation of this equipment is subject to notification and coordination with UTAM.
Any relocation of this equipment must be coordinated through and approved by UTAM. UTAM may be contacted at 1-800-42 9-8826.

WARNING: TO PREVENT FIRE OR ELECTRICAL SHOCK HAZARD, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

THE LIGHTNING FLASH AND ARROW HEAD WITHIN THE TRIANGLE IS A WARNING SIGN ALERTING YOU OF "DANGEROUS VOLTAGE" INSIDE THE PRODUCT.

CAUTION:
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

THE EXCLAMATION POINT WITHIN THE TRIANGLE IS A WARNING SIGN ALERTING YOU OF IMPORTANT INSTRUCTIONS ACCOMPANYING THE PRODUCT.

SEE MARKING ON BOTTOM / BACK OF PRODUCT

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.

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.

Parts Checklist (for 2111 single handset model)

Before You Begin
Make sure your package includes the items listed here.
   Handset
   Telephone line cord
   AC power adaptor
   Handset
   battery pack
   Battery compartment cover
   Base

For **Model 2111 twin** there will be **ONE** additional handset, charge cradle, belt clip, battery pack and cover.
For **Model 2111 trio** there will be **TWO** additional handsets, charge cradles, belt clips, battery packs and covers.
For **Model 2111 quad** there will be **THREE** additional handsets, charge cradles, belt clips, battery packs and covers.

Telephone Jack Requirements
To use this phone, you need an RJ11C type modular telephone jack 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
Digital Security System
Your cordless phone uses a digital security system to protect against false ringing, unauthorized access, and charges to your phone line.
INSTALLATION NOTE: Some cordless telephones operate at frequencies that may cause or receive interference with 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 ovens, or VCR. If such interference continues, move the cordless telephone farther away from these appliances.
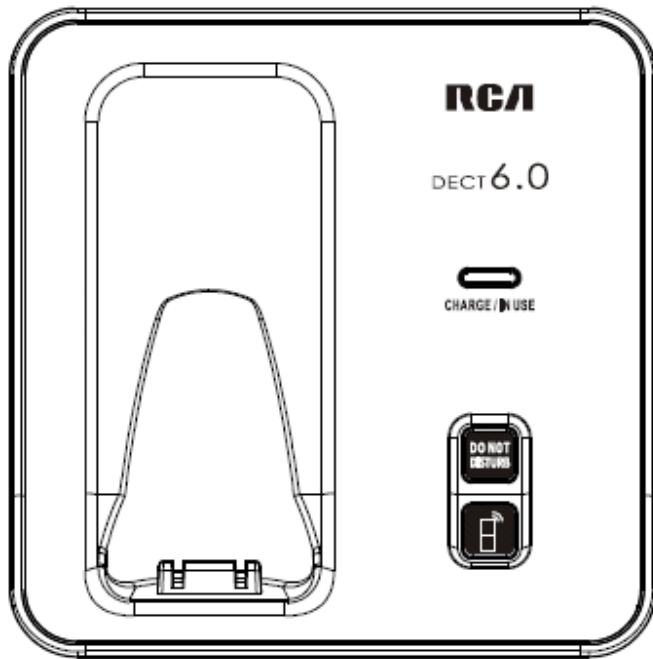
Certain other communications devices may also use the 1.9GHz DECT frequency for communication, and, if not properly set, these devices may interfere with each other and/or your new telephone. If you are concerned with interference, please refer to the owner's manual for these devices on how to properly set channels to avoid interference. Typical devices that may use the 1.9GHz DECT frequency for communication include wireless audio/video senders, wireless computer networks, multi-handset cordless telephone systems, and some long-range cordless telephone systems.
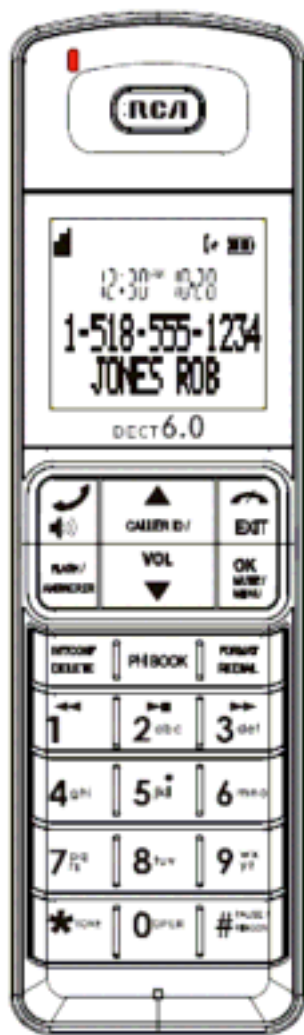
Important Installation Guidelines
• Avoid sources of noise and heat, such as motors, fluorescent lighting, microwave ovens, heating appliances and direct sunlight.

• Avoid areas of excessive dust, moisture and low temperature.
• Avoid other cordless telephones or personal computers.
• 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.

Base Layout

Handset Layout

Display icons

📶	Signal strength	🔔	Alarm ON
	Speakerphone		New Call
	Message	🔋	Battery
⊙⊙	Voicemail	AM	AM
✉	SMS	PM	PM
♪	Ringer OFF/DND ON		

<u>**Installing the Phone**</u>

Installing the Handset Battery
NOTE: You must connect the handset battery before use.
CAUTION: To reduce the risk of fire or personal injury, use only the. approved Nickel metal Hydride battery (Ni-MH) (Brand name: SANIK, Model name: 2SN-AAA55H-S-J1, Capacity: 2.4V/550mAh; Brand name: BYD, Model name: H-AAA550BX2, Capacity: 2.4V/550mAh; Brand name: Corun, Model name: NI-MH AAA550*2, Capacity: 2.4V/550mAh), that is compatible with this unit.
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: 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.

Base Station
1. Choose an area near an electrical outlet and a telephone wall jack (RJ11C), and place your cordless telephone on a level surface, such as a desktop or tabletop, or you may mount it on the wall.
2. Plug one end of the telephone line cord into the TEL LINE jack on the back of the base and the other end into a modular jack.
3. Plug the AC power converter into the electrical outlet and the DC connector into the jack on the back of the base.
4. Place the handset in the base cradle. The charge/in use indicator turns on, verifying the battery is charging.
5. Allow the phone to charge for 16 hours prior to first use. If you don't properly charge the phone, battery performance is compromised.
CAUTION: To reduce risk of personal injury, fire, or damage use only the power adaptor (Manufacturer: ESL, Type: IA5060, 120Vac/6Vdc/500mA; Manufacturer: NanTong DaMing, Type: DM-SC060058, 120Vac/6Vdc/0-0.58A) listed in the user's guide. This power adaptor is intended to be correctly orientated in a vertical or floor mount position.

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:
Phone book, Room monitor, Alarm clock, Answerer, Initial Setup, Sound Setup, Reset Settings.

Room Monitor (applicable only with additional handsets)
1. Make sure your phone is **OFF** (not in TALK mode).
2. Press the **mute/menu OK** button to go to the main menu.
3. Press **caller ID-volume** (▲ or ▼) button to scroll to **ROOM MONITOR**.
4. Press the **mute/menu OK** button to enter **ROOM MONITOR** menu.
The screen displays *ROOM MONITOR EXTENSION?*
5. Use the touch tone pad to enter the handset name/number to be monitored.
NOTE: When this phone system is expanded (up to 6 handsets by purchase of optional Model xxxx handset with recharge cradle), handsets are named HANDSET 1, HANDSET 2, HANDSET 3 and so on respectively.
6. The receiving handset will turn on the microphone and the originating handset will turn on the speakerphone to monitor sound from the receiving handset.

NOTE: For room monitoring mode to work, the originating handset must NOT be 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/SPEAKER button to quit room monitor and answer the call.

NOTE: While in room monitoring mode, the originating handset can be switched to monitor by handset earpiece by pressing the TALK/SPEAKER button once. Switch back to speakerphone by pressing the TALK/SPEAKER button once.

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

Alarm Clock
1. Make sure your phone is **OFF** (not in TALK mode)
2. Press the **mute/menu OK** button to go to the main menu.
3. Use the **caller ID-volume** (▲ or ▼) button to scroll to **ALARM CLOCK**.
4. Press **mute/menu OK** button to enter the menu. The screen displays *ON > OFF*.
5. Use the **caller ID-volume** (▲ or ▼) button to select **ON** or **OFF**. Press **mute/menu OK** button to confirm.
6. If **ON** is selected, then the screen displays *SET ALARM TIME*. Use the number keys to enter the alarm time (for example, 02:10PM) key in 0210. Use the **caller ID-volume** (▲ or ▼) button to select **AM** or **PM**.
7. Press **mute/menu OK** button to display *>ONCE OR DAILY* and select *ONCE* or *DAILY*.
8. Press the **mute/menu ok** button to save selection. You will hear a confirmation tone and return to main menu.

Initial Setup
1. Make sure your phone is **OFF** (not in TALK mode).
2. Press the **mute/menu OK** button to go to the main menu.

3. Press **caller ID-volume** (▲ or ▼) button to scroll to **INITIAL SETUP**.
4. Press the **mute/menu OK** button to confirm and you may program the following items: Handset Name, Date and Time, Area Code, Tone/Pulse, Language, Auto Talk, Registration, Deregistration.
NOTE: During programming, you may press the END button at any time to exit the sub-menu and return to the menu.

Handset Name
From the Initial Setup Menu:
1. Press the **caller ID-volume** (▲ or ▼) button to scroll to the **HANDSET NAME** sub-menu.
2. Press **mute/menu OK** button to enter the menu. The screen displays **HANDSET NAME**.
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 key twice for the letter B. Press the key times for the letter I. Press the 5 key times for the letter L. Press the 5 key 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 times for the letter S; press the 6 key once for the letter M; press the key times for the letter I; press the 8 key for the letter T; press the key twice for the letter H.
NOTE: If you make a mistake, use the delete/int/conf button to backspace and delete one character at a time.
4. Press the **mute/menu OK** button to save your name. You will hear a confirmation tone and the handset name shows in the display.

Date and Time
From the Initial Setup Menu:
1. Press the **caller ID-volume** (▲ or ▼) button to scroll to the **DATE and TIME** sub-menu.
2. Press **mute/menu OK** button to enter the menu. Use the number keys to enter the current date, (for example, 31 December, 2007) key in 071231.
3. Press **mute/menu OK** button to confirm your selection and advance **SET TIME** sub-menu.
4. Use the number keys to enter the current hour and minute, then use the **caller ID-volume** (▲ or ▼) to select **AM** or **PM**.
5. Press the **mute/menu OK** button to save your selection. You will hear a confirmation tone and the current time shows in the display.

Area Code
From the Initial Setup Menu:
1. Press the **caller ID-volume** (▲ or ▼) button to scroll to the **AREA CODE** sub-menu.
2. Press **mute/menu OK** button to enter the menu. The screen displays **SET AREA CODE - - -**.
3. Use the touch-tone pad to enter your 3-digit area code.
4. Press the **mute/menu OK** button to confirm. You will hear a confirmation tone

and the screen displays the new area code.

NOTE: To restore the default setting to - - -, press and release delete/int/conf when the screen displays *SET AREA CODE*.

Tone/Pulse

From the Initial Setup Menu:

1. Press the **caller ID-volume** (▲ or ▼) button to scroll to the **TONE/PULSE** sub-menu.

2. Press **mute/menu OK** button to enter the menu. The screen displays *TONE PULSE*. The default setting is *TONE*.

3. Use the **caller ID-volume** (▲ or ▼) to select **TONE** or **PULSE**.

4. Press the **mute/menu OK** button to confirm. You will hear a confirmation tone and the screen displays your selection.

Language

From the Initial Setup Menu:

1. Press the **caller ID-volume** (▲ or ▼) button to scroll to the **LANGUAGE** sub-menu.

2. Press **mute/menu OK** button to enter the menu. The screen displays *ENGLISH ESPANOL*.

3. Use the **caller ID-volume** (▲ or ▼) button to scroll to the desired language. *ENGLISH* is the default setting.

4. Press the **mute/menu OK** button to save your selection. You will hear a confirmation tone and the screen displays the selected language.

Auto Talk

When this function is **ON**, during an external call, you may lift the handset to answer a call immediately without pressing any buttons.

To end a call, put the handset back on the base cradle directly.

From the Initial Setup Menu:

1. Press the **caller ID-volume** (▲ or ▼) button to scroll to the **AUTO TALK** sub-menu.

2. Press **mute/menu OK** button to enter the menu. The screen displays *> NO YES*.

3. Use the **caller ID-volume** (▲ or ▼) button to scroll to your selection. *NO* is the default setting.

4. Press the **mute/menu OK** button to confirm.

Registration

Your packaged handset(s) are pre-registered and ready to use. It is not recommended that a handset be registered again unless absolutely necessary.

From the Initial Setup Menu:

1. Press the **caller ID-volume** (▲ or ▼) button to scroll to the **REGISTRATION** sub-menu.

2. Press the **mute/menu OK** button to enter the menu. The screen displays *YES NO.* The default setting is *NO*.

3. Use the **caller ID-volume** (▲ or ▼) button to scroll to **YES** or **NO**.

4. If you select **YES**, press the **mute/menu OK** button. The screen displays *HOLD BASE FIND FOR 5 SECONDS, THEN PRESS MENU OK KEY*. (Your handset should be held near the base during registration process.)
5. Press and hold the **find** button on the base unit, the charge/in use indicator flashes. Press the handset **mute/menu OK** button.
The screen displays *REGISTERING*, then the screen displays *REGISTERED*. You may now rename your handset. (Refer to Step of Handset Name Section)
NOTE: If you are re-registering the handset through the handset menu; to rename your handset you must go to the Handset Name Section and start from the beginning step.

De-Registration
De-registration cancels registration. During the de-registration process, keep the handset near the base.
From the Initial Setup Menu:
1. Press the **caller ID-volume** (▲ or ▼) button to scroll to the **DEREGISTRATION** sub-menu.
2. Press the **mute/menu OK** button to enter the menu. The screen displays *YES   NO.* The default setting is *NO.*
3. Use the **caller ID-volume** (▲ or ▼) button to scroll to **YES** or **NO**.
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.
4. Select **NO**, if you do not want to de-register.
5. If you select **YES**, press the **mute/menu OK** button and *MOVE NEAR BASE* displays for seconds, then the screen displays *YES NO*.
6. Use the **caller ID-volume** (▲ or ▼) button to scroll to **YES** or **NO**.
7. If you select YES, press the **mute/menu OK** button to confirm. The screen displays *DE-REGISTER...* . You will hear a confirmation tone. Then the screen displays *DEREGISTERED* to confirm the handset is deregistered.
NOTE: When you complete the de-registration process, HANDSET NEEDS REGISTRATION shows in the display. To use the handset, you MUST re-register the handset using the Registration process.

Global De-registration
If one or more handsets become lost, you should de-register all handsets to ensure proper system operation.
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. Disconnect power from the base by pulling the plug out of the back of the unit.
2. Press and hold the **find** button and while holding the **find** button reconnect the power.

3. Continue to hold the **find** button until the charge/in use light flashes rapidly.
4. Release the **find** button.
5. Press and release the **find** button on the base once. All handsets are de-registered and the screen displays *HANDSET NEEDS REGISTRATION*.

Sound Setup
1. Make sure your phone is **OFF** (not in TALK mode).
2. Press the **mute/menu OK** button to go to the main menu.
3. Press **caller ID-volume** (▲ or ▼) button to scroll to **SOUND SETUP**.
4. Press **mute/menu OK** button to confirm and you may program the following items: Ringer Tone, Ringer Volume, Key Tone.

Ringer Tone
You may choose from five ringer tones and five melodies.
From the Sound Setup Menu:
1. Press the **caller ID-volume** (▲ or ▼) button to scroll to the **RINGER TONE** sub-menu.
2. Press **mute/menu OK** button to enter the menu. The screen displays *1 OF 10*. *01* is default setting.
3. Use the **caller ID-volume** (▲ or ▼) button to scroll to the desired setting (1 through 10). You will hear a sample of the ringer tone/melody you select.
4. Press the **mute/menu OK** button to save your selection. You will hear a confirmation tone and rhe screen displays the selected ringer tone.
NOTE: You must have the Ringer Volume set to ON for ring tone to signal an incoming call.

Ringer Volume
From the Sound Setup Menu:
1. Press the **caller ID-volume** (▲ or ▼) button to scroll to the **RINGER VOLUME** sub-menu.
2. Press **mute/menu OK** button to enter the menu. The screen displays *RING VOLUME 5*.
3. Use the **caller ID-volume** (▲ or ▼) button to scroll to your selection. *LEVEL 5* is the default setting.
4. Press the **mute/menu OK** 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 screen displays the ringer off icon.

Key Tone
From the Sound Setup Menu:
1. Press the **caller ID-volume** (▲ or ▼) button to scroll to the **KEY TONE** sub-menu.
2. Press **mute/menu OK** button to enter the menu. The screen displays *> ON OFF*.
3. Use **caller ID-volume** (▲ or ▼) button to scroll to your selection. *ON* is the default setting.

4. Press the **mute/menu OK** button to confirm and the screen displays the key tone setting.

Reset Setting
1. Make sure your phone is **OFF** (not in TALK mode).
2. Press the **mute/menu OK** button to go to the main menu.
3. Press **caller ID-volume** (▲ or ▼) button to scroll to **RESET SETTINGS**.
4. Press **mute/menu OK** button to confirm and you may program the following items: Voicemail, All Settings.

Voicemail
From the Reset Settings Menu:
1. Press the **caller ID-volume** (▲ or ▼) button to scroll to the **VOICEMAIL** sub-menu.
2. Press the **mute/menu OK** button to enter the menu. The screen displays *YES NO*. The default setting is *NO*.
3. Use the **caller ID-volume** (▲ or ▼) button to move the cursor to **YES** or **NO**. **NOTE: If YES is selected, new voicemail icon is cleared from the LCD and the VMWI LED is turned OFF (on ALL handsets, and the charge/in use LED on the base).**
4. Press the **mute/menu OK** button to save your selection. You will hear a confirmation tone.

All Settings
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.
From the Reset Settings Menu:
1. Press the **caller ID-volume** (▲ or ▼) button to scroll to the **ALL SETTINGS** sub-menu.
2. Press the **mute/menu OK** button to enter the menu. The screen displays *YES   NO*. The default setting is *NO*.
3. Use the **caller ID-volume** (▲ or ▼) button to move the cursor to **YES** or **NO**. **NOTE: If you choose YES all the settings in the programmable menu are returned to factory default setting.**
4. Press the **mute/menu OK** button to save your selection. You will hear a confirmation tone.

<u>**Telephone Operation**</u>
Visual Indicators
Base
The charge/in use indicator on the base will flash to alert you to an incoming call, during paging, or if you have a message waiting from your service provider. The indicator will remain lit when a handset is in the base charging or when the line is in use.

Handset
The **TALK/SPEAKER** indicator buttons flash when you receive a call and remain

lit during a call.
The keypad and CID will also illuminate when a call is received.

VMWI / Visual Ringer Indicator on Handset
IMPORTANT: In order to use this unit's Voice Mail Waiting Indicator (VMWI) feature, you must subscribe to this service from your phone company.
The VMWI indicator on the top of the handset flashes when you receive a new message from your service provider. Also, it serves as a Visual Ringer function. It will flash when there is an incoming call.

Speakerphone Operation
NOTE: If you are using the speakerphone, remain close to handset so the party you are speaking to can hear you.
If you are using the earpiece and want to switch to the speakerphone, press the **TALK/SPEAKER** button, press **END** button to end conversation.
If you are using the speakerphone and want to switch to the earpiece, press the **TALK/SPEAKER** button again, press **END** button again to end conversation.

Making a Call
1. Press the **TALK/SPEAKER** button. Dial the desired number.
- OR -
Dial the number first, then press the **TALK/SPEAKER** button.
- OR -
Press the **caller ID-volume** (▲ or ▼) button to select the desired record, then press the **TALK/SPEAKER** button.
2. When finished, press the **END** button to hang up.
NOTE: You may enter up to 28 pre-dial digits.
NOTE: If you want to delete the pre-dial number you entered, press the delete/int/conf button until all of the digits are erased.

Answering Calls
1. When the phone rings, pick up the handset and press the **TALK/SPEAKER** button.
2. When finished, press **END** button to hang up.
- OR -
If the auto talk mode is selected, pick up the handset from the charge cradle to answer the call immediately.
NOTE: Adjust the handset volume by pressing the caller ID-volume (▲ or ▼) button during a call.

Call Timer
After you press the **TALK/SPEAKER** 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.

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 Volume (Shortcut)
There are two ways to set the ringer volume. One is the traditional way as described in the Programming Functions; Sound 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/ringer** button to display *SET RINGER LEVEL 5*.
3. Use the **caller ID-volume** (▲ or ▼) button to scroll to your selection. *LEVEL 5* is the default setting.
4. Press **#pause/ringer** button again to save and display the new selection for a few seconds.

Flash/Call Waiting
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.

Last Number Redial
You may redial a number up to 20 digits long. To quickly redial the last n9`umber you dialed:
1. Press the **TALK/SPEAKER** button.
2. Press the **redial/format** button.
-OR-
3. Press the **redial/format** button first, then use the **caller IDvolume** (▲ or ▼) button to select the desired redial number.
- Press the **caller ID-volume** (   ) to review the oldest call and scroll toward the most recent calls (higher numbers).
- Press the **caller ID-volume** (   ) to review the newest call and scroll to older calls (lower numbers).
NOTE: You may choose from the last three numbers that were dialed.
4. Press the **TALK/SPEAKER** button. The number dials automatically.
If you get a busy signal and want to keep dialing the number, press the **redial/format** button to quickly redial the number.

Exit
Press the **END** 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.

Paging from the Base/Group Page
Use the base-only to page all registered handsets at the same time.
1. Press the **find** button on the base. All handsets beep for two minutes, and each handset's screen displays *FIND HANDSET*.
2. To cancel the page, press the **find** button on the base, or press the **TALK/SPEAKER** button or the **END** 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/menu OK** button. The handset screen displays *MUTE ON*.
2. Press the **mute/menu OK** button to cancel and return to your phone conversation.

Receiver Volume Control
When the handset is **ON** (in TALK mode) you may adjust the receiver volume by pressing the **caller ID-volume** (▲ or ▼) button. There are five volume levels to choose from. When the maximum or minimum volume level is reached, the phone beeps twice. VOL 1 is minimum and VOL 5 is maximum.

Do Not Disturb (D-N-D)
This feature allows you to turn off all the handset ringer(s) at once, by pressing one button at the base unit, even though the ringer volume of handset(s) has been preset.
1. In the standby mode, press the **do not disturb** button on the base.
2. The DND indicator illuminates and the handset screen displays .
3. To cancel, press the **do not disturb** button again.
NOTE: You can press the do not disturb button and activate the function immediately, even when there is incoming call ringing in, or during call screening after the call is taken by the answerer.

Intercom Operation
(applicable only with additional handsets)
The intercom feature allows you to have a conversation with another registered handset without tying up the telephone line, allowing you to still receive incoming calls.

Making an Auto Intercom Call
1. Make sure the handset is **OFF** (not in TALK mode).
2. Press the **delete/int/conf** button on the handset.
3. Use the touch-tone pad to select the handset you want to page.
NOTES:
a) If the user has not entered the paged handset number within a few

seconds, the handset displays a paged handset number list (i.e. Handset 2, Handset 3, Handset 4, Handset 5 and Handset 6) if Handset 1 is paging the handset.
b) Even if the handset has not been registered with all 6 handsets, the paging list displays all handset numbers.
c) If the user has selected a paged handset number that has not been registered, the handset emits an error tone and ask the user to retry again.
4. A long beep is heard and then the two handsets are immediately connected. Receiving handset shall immediately come into the auto intercom mode that both "microphone" and "speaker" of this receiving handset shall be enabled such that the user of receiving handset can freely talk and listen to the conversation.
5. When finished, press the **END** button or **delete/int/conf** button on either handset to deactivate the intercom.
NOTE: The system is expandable up to 6 handsets (by purchase of optional Model 28203 handset with recharge cradle). When 4 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.

Advanced Intercom Features
Receiving an Incoming Call During an Intercom Call
If you receive a telephone call during an intercom call, an incoming call alert tone will be heard (through the earpiece or speaker). If the user wants to answer an incoming call, they must press **END** to terminate the intercom and receive an incoming ring.

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 **delete/int/conf** button, and use the touch-tone pad to enter the handset number to put an external line on hold. The user may then auto intercom with the paged handset.
NOTE: Both intercom users may speak privately. The external caller will not hear the intercom conversation.
2. When finished, press the **END** 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 **delete/int/conf** button. The screen displays ***LINE ON HOLD EXTENSION?***

2. Use the touch-tone pad to select Handset # to enter into auto intercom call with paged handset.
3. When the receiving handset connects, press the **delete/int/conf** button on the originating handset to conference with the receiving handset and the external caller. The screen displays *CONFERENCE* on the originating and receiving handsets.
NOTE: A handset can enter conference mode directly by pressing TALK/SPEAKER 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 **delete/int/conf** button on the originating handset to put an external call on hold, and enter the paged handset number.
2. A long beep is heard and then the two handsets are immediately connected. Receiving handset shall immediately come into the auto intercom mode that both "microphone" and "speaker" of this receiving handset shall be enabled such that the user of receiving handset can freely talk and listen to the conversation.
3. When the receiving handset connects, press the **END** button on the originating handset to transfer the call.

Caller ID (CID)
IMPORTANT: In order to use this unit's Caller ID features, you must subscribe to either the standard Name/Number Caller ID Service or Call Waiting Caller ID Service. To know who is calling while you are on the phone, you must subscribe to Call Waiting Caller ID Service.
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.

Call Waiting Caller ID
Provided you subscribe to Call Waiting Caller ID service from your phone company; if you receive an incoming call and you are using the GE multi handset system, a beep indicates the presence of a Call Waiting call on the line. The Call Waiting Caller ID information will be displayed and stored in the history of all handsets in the system.
  • When you hear the call waiting beep in the handset receiver, press the **flash** button to put the current call on hold and answer the incoming call. Press the **flash** button to return to the original call.

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 CID 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 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 **caller ID-volume** (▾) button to review the newest CID record.
3. Press the **caller ID-volume** (▴) button to review the oldest CID record first.

Dialing a CID Number
1. Make sure the phone is **OFF** (not in TALK mode).
2. Use the **caller ID-volume** (▴ or ▾) button to display the desired record.
3. Press the **TALK/SPEAKER** button. The number dials automatically.
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, press the redial/format button to adjust the number, and try again.

Available formats include:

Number of digits	*Explanation*	*Example*
Eleven digits	Long distance code "1 " +3-digit area code +7-digit telephone number.	1-317-888-8888
Ten digits	3 -digit area code 7-digit telephone number.	+ 3 17-888-8888
Seven digits	7-digit telephone number	888-8888

.
Storing CID Records in Internal Memory
You may also store CID information in the phone's internal memory.

NOTE: It is important that you format CID records correctly BEFORE storing in internal memory as you cannot reformat CID records stored in memory.
1. Make sure the phone is **OFF** (not in TALK mode).
2. Use the **caller ID-volume** (▲ or ▼) button to scroll to the desired CID record.
3. Press the **mute/menu OK** button to display *ENTER NAME* and then follow "ADD RECORDS in Phoneboook section" procedures from Step 3 to Step 7 to store the number.
NOTE: Press the END button once to keep the previous setting (making no changes) and return to the menu.
NOTE: If the selected CID record contains any information that is non-numeric, the unit will not allow this record to transfer to the internal user memory. The handset will display *UNABLE TO STORE*.

Deleting a CID Record
1. Make sure the phone is **OFF** (not in TALK mode).
2. Use the **caller ID-volume** (▲ or ▼) button to display the CID record you want to delete.
3. Press the **delete/int/conf** button. The screen displays *DELETE CALL ID?*
NOTE: Press the END button to return to the previous screen without deleting any CID records.
4. Press the **delete/int/conf** button to erase the record showing in the display. The screen displays *DELETED*.

Deleting All CID Records
1. Make sure the phone is **OFF** (not in TALK mode).
2. Use the **caller ID-volume** (▲ or ▼) button to display any Caller ID record.
3. Press and hold the **delete/int/conf** button until the screen displays *DELETE ALL?* .
NOTE: Press the END button to return to the previous screen without deleting any CID records.
4. Press **delete/int/conf** button to erase all of the current CID records. The screen displays *DELETED* followed by *NO CALLS*.

Phonebook
Each handset can store up to fifty records in phone book for quick dialing; each record can contain a maximum of 20-digit numbers and 14-character names (including spaces).

Review Records
1. Make sure the phone is **OFF** (not in TALK mode).
2. Press the **mute/menu OK** button to go to main menu.
3. Use the **caller ID-volume** (▲ or ▼) button to scroll to **PHONE BOOK**.
4. Press the **mute/menu OK** button to access the phonebook submenu.
5. Use the **caller ID-volume** (▲ or ▼) button to scroll to **VIEW RECORDS**.
6. Press the **mute/menu OK** button to confirm, all records are shown in alphabetical order.

7. Press the **caller ID-volume** (▲ or ▼) button or key in alphabet to view the records and scroll to a record to be dialed out.
8. Press the **TALK/SPEAKER** button to confirm.

Add Records
From Phonebook Sub-Menu:
1. Use the **caller ID-volume** (▲ or ▼) button to scroll to **ADD RECORDS**.
2. Press the **mute/menu OK** button to confirm. The screen displays *ENTER NAME*.
3. Use the touch-tone pad to enter a name (up to 14 characters). More than one letter is stored in each of the number keys. For example, to enter Bill Smith, press the key twice for the letter B. Press the key times for the letter I. Press the 5 key times for the letter L. Press the 5 key 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 times for the letter S; press the 6 key once for the letter M; press the key times for the letter I; press the 8 key for the letter T; press the key twice for the letter H.
NOTE: If you make a mistake press the delete/int/conf button to backspace and erase the wrong character(s) or number(s).
4. Press the **mute/menu OK** button again to save your selection. The screen displays *ENTER NUMBER*.
5. Use the touch-tone pad to enter the telephone number (up to 20 digits, including pauses), and press the **mute/menu** button to confirm and advance **SET MELODY** sub-menu.
6. Use the caller **ID-volume** (▲ or ▼) button to select from melody 01 to melody 10 (a testing tone is generated while making melody selection).
7. Press **mute/menu OK** button to confirm, the records are stored alphabetically in the phone book.

Inserting a Pause in the Dialing Sequence (of a Stored Number)
Press the **#pause/ringer** 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.

Edit Records
From Phonebook Sub-Menu:
1. Use the **caller ID-volume** (▲ or ▼) button to scroll to **EDIT RECORDS**.
2. Press the **mute/menu OK** button to confirm, the screen displays the records.
3. Use the **caller ID-volume** (▲ or ▼) button or key in alphabet to move to desired record, press **mute/menu OK** button to confirm. The screen displays *ENTER NAME*.
4. Repeat Steps 3 through 7 in "Add Records" section.

Delete Records
From Phonebook Sub-Menu:
1. Use the **caller ID-volume** (▲ or ▼) button to scroll to **DELETE RECORDS**.
2. Press the **mute/menu OK** button to confirm, the screen displays the records.

3. Use the **caller ID-volume** (▲ or ▼) button or key in alphabet to move to desired record, press the **delete/int/conf** button. The screen displays *DELETE?*.
4. Press the **delete/int/conf** button again to confirm.
NOTE: If you don't want to change or delete a record, simply press the END button, or wait for one minute to exit automatically.

Dialing a Number from Internal Memory
1. Make sure the phone is **OFF** (not in TALK mode).
2. Press the **mute/menu OK** button to access the phonebook sub-menu.
3. Use the **caller ID-volume** (▲ or ▼) button to scroll to *VIEW RECORDS*.
4. Press the **mute/menu OK** button to confirm
5. Use the **caller ID-volume** (▲ or ▼) button or key in alphabet to move to the desired number.
6. Press the **TALK/SPEAKER** buttons, the number dials automatically.

<u>**Changing the Battery**</u>
CAUTION: To reduce the risk of fire or personal injury, use only the approved Nickel-metal Hydride battery (Ni-MH), which 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 door.
3. Disconnect the cord attached to the battery pack and remove the battery pack from the handset.
4. Insert the new battery pack and connect the cord to the jack inside the battery compartment.
5. Put the battery compartment door back on.
6. Place handset in the base to charge. **Allow the handset battery to properly charge (for 16 hours) prior to first use or when you install a new battery pack. If you do not properly charge the phone, battery performance will be 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 **Nickel-metal Hydride** battery listed in the User's Guide.
• Keep batteries out of the reach of children.
• Remove batteries if storing over 30 days.

<u>**Display Messages**</u>
The following messages show the status of the phone, provides Caller ID information, or helps you set up and use your phone.

| BLOCKED NUMBER | Indicates the person is calling from a number which is blocked from |

	transmission.
CALL SCREENING	Indicates you may use the handset to screen calls before answering the call.
CHARGING...	Indicates the handset needs to charge for a period of time before it can resume normal function.
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.
ENTER NAME	Prompt telling you to enter the name for one of the 50 memory locations.
ENTER TEL NUMBR	Prompt telling you to enter the telephone number for one of the 50 memory locations.
HANDSET NAME	Prompt telling you to enter the user name for the registered handset.
HANDSET NEEDS	Indicates you must register a non-registered handset
REGISTRATION	prior to use.
INCOMPLETE DATA	Caller information is interrupted during transmission or the phone line is excessively noisy. Indicates no CID information was received, you are not subscribed to CID service, or CID service is not working.
LINE IN USE	Displays on handset while the line is in use.
LONG DISTANCE	Indicates CID record is from a long distance call.
LOW BATTERY	Indicates the battery needs to be charged.
MSG WAITING OFF	Indicates voice mail has been retrieved from service provider.
NEW CALL XX	XX represents the number of new CID records not reviewed.
NEW VOICE MAIL	Indicates voice mail has not been retrieved from service provider.
NO CALLS	Indicates there are no CID records in memory.
OUT OF RANGE	May indicate handset is too far away

	from the base or that the power has been interrupted. Move closer and check connections.
PAGING or PAGING FROM	Someone pressed the page button on the base or delete/int/conf button on the handset
REPT	Indicates a repeat call message. Indicates a new call from the same number was received more than once.
ROOM MONITORING....	The audio link between handsets is established.
SEARCHING	Indicates handset is searching for the base.
SPKR	Indicates the handset is in speakerphone mode.
UNKNOWN NAME/ CALLER/NUMBER	The incoming call is from an area not serviced by CID or the CID information was not sent.

2112 USA user manual

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.

US Number is located on the cabinet bottom.
REN Number is located on the cabinet bottom.

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.
Privacy of Communications may not be ensured when using this product. 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 004-000-0034 5-4 when ordering copies.
Notice: The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Hearing Aid Compatibility (HAC)

This telephone system meets FCC standards for Hearing Aid Compatibility.

Licensing
Licensed under US Patent xxxxxxx

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.
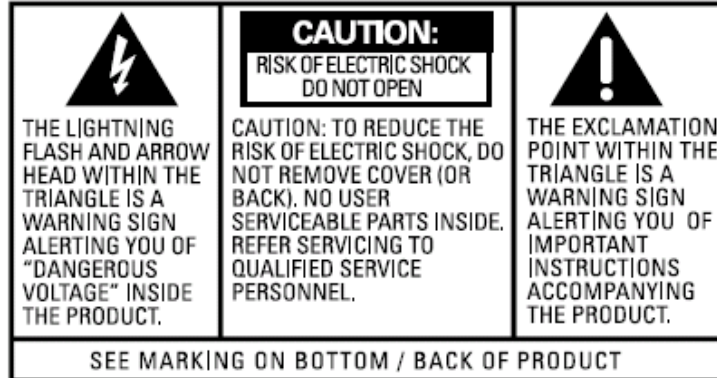For body worn operation, this phone has been tested and meets the FCC RF exposure guidelines when used with the belt clip supplied with this product. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

Information for DECT Product
This telephone is compliant with the DECT 6.0 standard which operates in the 1.92GHz to 1.93GHz frequency range. Installation of this equipment is subject to notification and coordination with UTAM.
Any relocation of this equipment must be coordinated through and approved by UTAM. UTAM may be contacted at 1-800-42 9-8826.

WARNING: TO PREVENT FIRE OR ELECTRICAL SHOCK HAZARD, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

THE LIGHTNING FLASH AND ARROW HEAD WITHIN THE TRIANGLE IS A WARNING SIGN ALERTING YOU OF "DANGEROUS VOLTAGE" INSIDE THE PRODUCT.

CAUTION:
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

THE EXCLAMATION POINT WITHIN THE TRIANGLE IS A WARNING SIGN ALERTING YOU OF IMPORTANT INSTRUCTIONS ACCOMPANYING THE PRODUCT.

SEE MARKING ON BOTTOM / BACK OF PRODUCT

<u>Introduction</u>
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.

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.

Parts Checklist (for 2112 single handset model)

Before You Begin
Make sure your package includes the items listed here.
  Handset
  Telephone line cord
  AC power adaptor
  Handset
  battery pack
  Battery compartment cover
  Base

For **Model 2112 twin** there will be **ONE** additional handset, charge cradle, belt clip, battery pack and cover.
For **Model 2112 trio** there will be **TWO** additional handsets, charge cradles, belt clips, battery packs and covers.
For **Model 2112 quad** there will be **THREE** additional handsets, charge cradles, belt clips, battery packs and covers.

Telephone Jack Requirements
To use this phone, you need an RJ11C type modular telephone jack 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.

<u>Installation</u>
Digital Security System
Your cordless phone uses a digital security system to protect against false ringing, unauthorized access, and charges to your phone line.
INSTALLATION NOTE: Some cordless telephones operate at frequencies that may cause or receive interference with 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 ovens, or VCR. If such interference continues, move the cordless telephone farther away from these appliances.
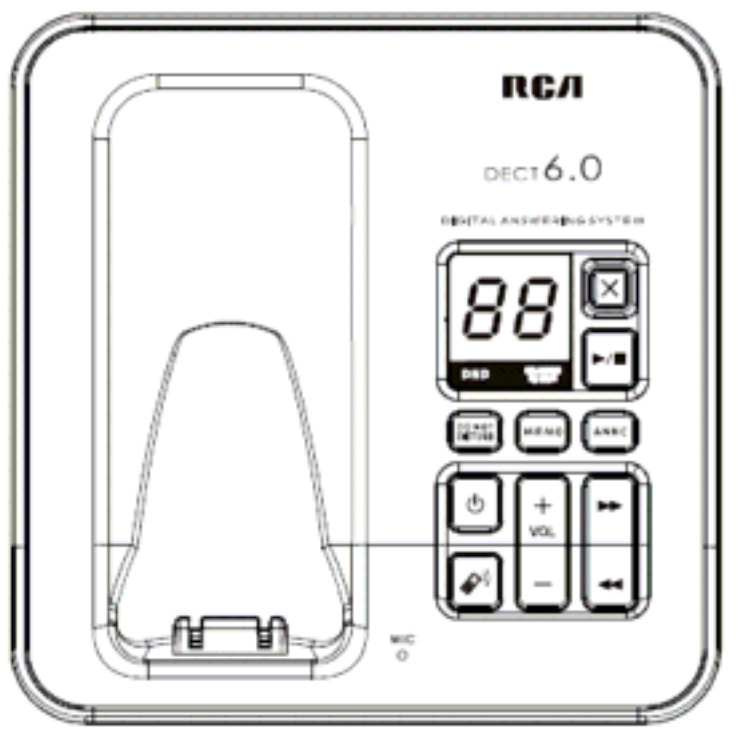
Certain other communications devices may also use the 1.9GHz DECT frequency for communication, and, if not properly set, these devices may interfere with each other and/or your new telephone. If you are concerned with interference, please refer to the owner's manual for these devices on how to properly set channels to avoid interference. Typical devices that may use the 1.9GHz DECT frequency for communication include wireless audio/video senders, wireless computer networks, multi-handset cordless telephone systems, and some long-range cordless telephone systems.
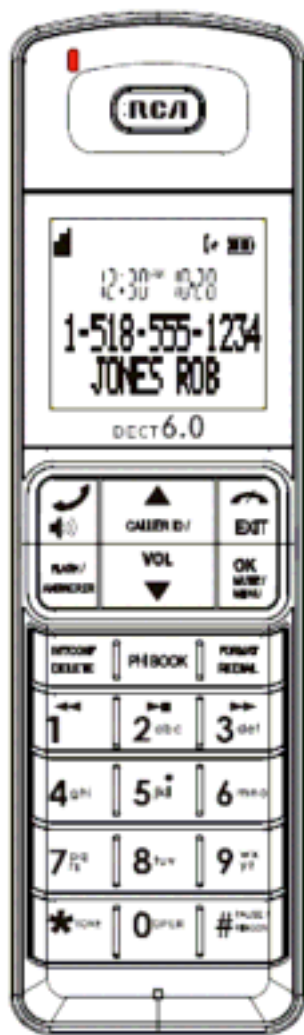
<u>Important Installation Guidelines</u>
• Avoid sources of noise and heat, such as motors, fluorescent lighting, microwave ovens, heating appliances and direct sunlight.

• Avoid areas of excessive dust, moisture and low temperature.
• Avoid other cordless telephones or personal computers.
• 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.

Base Layout

Handset Layout

Display icons

▂▄▆	Signal strength	🔔	Alarm ON
◧	Speakerphone	📞	New Call
🤖	Message	🔋	Battery
⊙⊙	Voicemail	AM	AM
✉	SMS	PM	PM
♪	Ringer OFF/DND ON		

Installing the Phone

Installing the Handset Battery
NOTE: You must connect the handset battery before use.
CAUTION: To reduce the risk of fire or personal injury, use only the.
approved Nickel metal Hydride battery (Ni-MH) (Brand name: SANIK, Model
name: 2SN-AAA55H-S-J1, Capacity: 2.4V/550mAh; Brand name: BYD, Model
name: H-AAA550BX2, Capacity: 2.4V/550mAh; Brand name: Corun, Model
name: NI-MH AAA550*2, Capacity: 2.4V/550mAh), that is compatible with
this unit.
.
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: 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.

Base Station
1. Choose an area near an electrical outlet and a telephone wall jack (RJ11C),
and place your cordless telephone on a level surface, such as a desktop or
tabletop, or you may mount it on the wall.
2. Plug one end of the telephone line cord into the TEL LINE jack on the back of
the base and the other end into a modular jack.
3. Plug the AC power converter into the electrical outlet and the DC connector into
the jack on the back of the base.
4. Place the handset in the base cradle. The charge/in use indicator turns on,
verifying the battery is charging.
5. Allow the phone to charge for 16 hours prior to first use. If you don't properly
charge the phone, battery performance is compromised.
CAUTION: To reduce risk of personal injury, fire, or damage use only the
power adaptor (Manufacturer: ESL, Type: IA5060, 120Vac/6Vdc/500mA;
Manufacturer: NanTong DaMing, Type: DM-SC060058, 120Vac/6Vdc/0-0.58A)
listed in the user's guide. This power adaptor is intended to be correctly
orientated in a vertical or floor mount position.

Answering System Setup
This section shows you how to set up your answering system to receive incoming
calls. Before you begin the set up process, you must turn on the answering
system.
1. Answering system has 3 modes *RECORDS MSGS MODE*, *ANNOUNCE*
ONLY MODE and *OFF*.
2. Press the answer mode button to switch to *RECORDS MSGS MODE*,
ANNOUNCE MODE and *OFF*.
NOTE: The answering system displays "- -" when it is off.

Answerer
On the Handset:
In the Answerer Menu, there are four programmable submenus:
Answerer Mode, Rings to Answer, Message Alert and Security Code.
1. Make sure your phone is **OFF** (not in **TALK** mode).
2. Press the **mute/menu OK** button to go to the main menu.
3. Press **caller ID-volume** (▲ or ▼) button to scroll to **ANSWERER**.
4. Press **mute/menu OK** button to enter the submenu.

Answer Mode
From the Answerer Menu:
1. Press the **caller ID-volume** (▲ or ▼) button to scroll to the Answerer Mode sub-menu.
2. Press **mute/menu OK** button to enter the menu. The screen displays *RECORD MSGS*.
3. Use the **caller ID-volume** (▲ or ▼) button to scroll to your selection. The default setting is *RECORD MSGS*.
4. Press the **mute/menu OK** button to confirm. You will hear a confirmation tone and the screen displays the new setting.

Handset Access
From the Answerer Menu:
1. Press the **caller ID-volume** (▲ or ▼) button to scroll to the Answerer Mode sub-menu.
2. Press **mute/menu OK** button to enter the menu. The screen displays *ANSWER MODE RECORD MSGS*.
3. Use the **caller ID-volume** (▲ or ▼) button to scroll to your selection. The default setting is *RECORD MSGS*.
4. Press the **mute/menu OK** button to confirm. You will hear a confirmation tone and the new setting shows in the display.

Rings to Answer
This feature lets you select the number of times you want the phone to ring before the answering system answers a call.
From the Answerer Menu:
1. Press the **caller ID-volume** (▲ or ▼) button to scroll to the **RING TO ANSWER** sub-menu.
2. Press **mute/menu OK** button to enter the menu. The screen displays *RING TO ANSWER 3 4 5 6 TS*.
3. Use the **caller ID-volume** (▲ or ▼) button to scroll to your selection. The default setting is *5*.
4. Press the **mute/menu OK** button to confirm. You will hear a confirmation tone and the screen displays the new setting.
NOTE: If you select Toll Saver (TS) the unit answers after the 3rd ring if there are NEW messages, OR the unit answers after the 5th ring if there are NO new messages. This allows user to access their answerer from another

location and then hang up after 4 rings to save long distance charges.

Message Alert
This feature sets your answering system to give an alert tone every 10 seconds when there are new messages.
From the Answerer Menu:
1. Press the **caller ID-volume** (▲ or ▼) button to scroll to the **MESSAGE ALERT** sub-menu.
2. Press **mute/menu OK** button to enter the menu. The screen displays *ON OFF*.
3. Use the **caller ID-volume** (▲ or ▼) button to scroll to **ON** or **OFF**. The default setting is *OFF*.
4. Press the **mute/menu OK** button to confirm. You will hear a confirmation tone and the screen displays the new setting.

Security Code
You can access the answering system from a tone dialing telephone in another (remote) location. The security code is required for remote access, and it prevents unauthorized access to your answering system.
From the Answerer Menu:
1. Press the **caller ID-volume** (▲ or ▼) button to scroll to the **SECURITY CODE** sub-menu.
2. Press **mute/menu OK** button to enter the menu. The screen displays *SECURITY CODE 1 2 3*.
3. Use the touch-tone pad to enter your new -digit security code. The default setting is *123*.
4. Press the **mute/menu OK** button to confirm. You will hear a confirmation tone and the screen displays the new security code.
NOTE: If you make a mistake, use the delete/int/conf button to delete the security code and begin again.

Speaker Volume
Use the **volume** (▲ or ▼) buttons to adjust speaker volume on the base to a comfortable level. L1 is the minimum speaker volume and L8 is the maximum.

Voice Instruction
If you need additional assistance, press the **repeat** button in standby mode and follow the voice instructions.

Recording the Outgoing Announcement
For best results when recording, you should be about nine inches from the microphone, and eliminate as much background noise as possible.
You may record an outgoing announcement for the current answerer mode or choose the default for your current outgoing announcement.
1. Make sure the answering system is **ON**.
2. Press and hold the **announce** button until the speaker announces "*RECORD ANNOUNCEMENT FOR RECORD MESSAGES MODE AFTER THE TONE* ".

3. Begin speaking after you hear the beep.
4. Release the button when you finish your announcement.
NOTE: If you choose not to record an outgoing announcement, a default announcement plays instead.
To return to the default announcement after you have recorded your own outgoing announcement, press andhold the announce button and release it when you hear the beep. Or, press the delete button while the announcement is reviewing.

Sample Outgoing Announcement
Hi, this is (use your name here), I can't answer the phone right now, so please leave your name, number and a brief message after the tone, and I'll get back to you. Thanks.
NOTE: The maximum recording time for the outgoing announcement is 2 minutes.
NOTE: While recording message for ANNOUNCE ONLY mode, remember to advise your caller that they will not be able to leave a message as the ANNOUNCE ONLY mode will not record incoming messages.

Reviewing and Choosing the Announcement
Press and release the **announce** button to review and select this one as your outgoing announcement.
NOTE: Press the play/stop button at any time to stop playing the announcement.

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:
Phone book, Room monitor, Alarm clock, Answerer, Initial Setup, Sound Setup, Reset Settings.

Room Monitor (applicable only with additional handsets)
1. Make sure your phone is **OFF** (not in TALK mode).
2. Press the **mute/menu OK** button to go to the main menu.
3. Press **caller ID-volume** (▲ or ▼) button to scroll to **ROOM MONITOR**.
4. Press the **mute/menu OK** button to enter **ROOM MONITOR** menu.
The screen displays *ROOM MONITOR EXTENSION?*
5. Use the touch tone pad to enter the handset name/number to be monitored.
NOTE: When this phone system is expanded (up to 6 handsets by purchase of optional Model xxxx handset with recharge cradle), handsets are named HANDSET 1, HANDSET 2, HANDSET 3 and so on respectively.
6. The receiving handset will turn on the microphone and the originating handset

will turn on the speakerphone to monitor sound from the receiving handset.

NOTE: For room monitoring mode to work, the originating handset must NOT be 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/SPEAKER button to quit room monitor and answer the call.

NOTE: While in room monitoring mode, the originating handset can be switched to monitor by handset earpiece by pressing the TALK/SPEAKER button once. Switch back to speakerphone by pressing the TALK/SPEAKER button once.

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

Alarm Clock
1. Make sure your phone is **OFF** (not in TALK mode)
2. Press the **mute/menu OK** button to go to the main menu.
3. Use the **caller ID-volume** (▲ or ▼) button to scroll to **ALARM CLOCK**.
4. Press **mute/menu OK** button to enter the menu. The screen displays *ON > OFF*.
5. Use the **caller ID-volume** (▲ or ▼) button to select **ON** or **OFF**. Press **mute/menu OK** button to confirm.
6. If **ON** is selected, then the screen displays *SET ALARM TIME*. Use the number keys to enter the alarm time (for example, 02:10PM) key in 0210. Use the **caller ID-volume** (▲ or ▼) button to select **AM** or **PM**.
7. Press **mute/menu OK** button to display *>ONCE OR DAILY* and select *ONCE* or *DAILY*.
8. Press the **mute/menu ok** button to save selection. You will hear a confirmation tone and return to main menu.

Initial Setup
1. Make sure your phone is **OFF** (not in TALK mode).
2. Press the **mute/menu OK** button to go to the main menu.
3. Press **caller ID-volume** (▲ or ▼) button to scroll to *INITIAL SETUP*.
4. Press the **mute/menu OK** button to confirm and you may program the following items: Handset Name, Date and Time, Area Code, Tone/Pulse, Language, Auto Talk, Registration, Deregistration.
NOTE: During programming, you may press the END button at any time to exit the sub-menu and return to the menu.

Handset Name
From the Initial Setup Menu:
1. Press the **caller ID-volume** (▲ or ▼) button to scroll to the **HANDSET NAME** sub-menu.

2. Press **mute/menu OK** button to enter the menu. The screen displays *HANDSET NAME*.

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 key twice for the letter B. Press the key times for the letter I. Press the 5 key times for the letter L. Press the 5 key 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 times for the letter S; press the 6 key once for the letter M; press the key times for the letter I; press the 8 key for the letter T; press the key twice for the letter H.

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

4. Press the **mute/menu OK** button to save your name. You will hear a confirmation tone and the handset name shows in the display.

Date and Time
From the Initial Setup Menu:
1. Press the **caller ID-volume** (▲ or ▼) button to scroll to the **DATE and TIME** sub-menu.

2. Press **mute/menu OK** button to enter the menu. Use the number keys to enter the current date, (for example, 31 December, 2007) key in 071231.

3. Press **mute/menu OK** button to confirm your selection and advance **SET TIME** sub-menu.

4. Use the number keys to enter the current hour and minute, then use the **caller ID-volume** (▲ or ▼) to select **AM** or **PM**.

5. Press the **mute/menu OK** button to save your selection. You will hear a confirmation tone and the current time shows in the display.

Area Code
From the Initial Setup Menu:
1. Press the **caller ID-volume** (▲ or ▼) button to scroll to the **AREA CODE** sub-menu.

2. Press **mute/menu OK** button to enter the menu. The screen displays *SET AREA CODE - - -*.

3. Use the touch-tone pad to enter your 3-digit area code.

4. Press the **mute/menu OK** button to confirm. You will hear a confirmation tone and the screen displays the new area code.

NOTE: To restore the default setting to - - -, press and release delete/int/conf when the screen displays *SET AREA CODE*.

Tone/Pulse
From the Initial Setup Menu:
1. Press the **caller ID-volume** (▲ or ▼) button to scroll to the **TONE/PULSE** sub-menu.

2. Press **mute/menu OK** button to enter the menu. The screen displays *TONE PULSE*. The default setting is *TONE*.

3. Use the **caller ID-volume** (▲ or ▼) to select **TONE** or **PULSE**.

4. Press the **mute/menu OK** button to confirm. You will hear a confirmation tone

and the screen displays your selection.

Language
From the Initial Setup Menu:
1. Press the **caller ID-volume** (▲ or ▼) button to scroll to the **LANGUAGE** sub-menu.
2. Press **mute/menu OK** button to enter the menu. The screen displays *ENGLISH ESPANOL*.
3. Use the **caller ID-volume** (▲ or ▼) button to scroll to the desired language. *ENGLISH* is the default setting.
4. Press the **mute/menu OK** button to save your selection. You will hear a confirmation tone and the screen displays the selected language.

Auto Talk
When this function is **ON**, during an external call, you may lift the handset to answer a call immediately without pressing any buttons.
To end a call, put the handset back on the base cradle directly.
From the Initial Setup Menu:
1. Press the **caller ID-volume** (▲ or ▼) button to scroll to the **AUTO TALK** sub-menu.
2. Press **mute/menu OK** button to enter the menu. The screen displays *> NO YES*.
3. Use the **caller ID-volume** (▲ or ▼) button to scroll to your selection. *NO* is the default setting.
4. Press the **mute/menu OK** button to confirm.

Registration
Your packaged handset(s) are pre-registered and ready to use. It is not recommended that a handset be registered again unless absolutely necessary.
From the Initial Setup Menu:
1. Press the **caller ID-volume** (▲ or ▼) button to scroll to the **REGISTRATION** sub-menu.
2. Press the **mute/menu OK** button to enter the menu. The screen displays *YES   NO.* The default setting is *NO*.
3. Use the **caller ID-volume** (▲ or ▼) button to scroll to **YES** or **NO**.
4. If you select **YES**, press the **mute/menu OK** button. The screen displays *HOLD BASE FIND FOR 5 SECONDS, THEN PRESS MENU OK KEY*. (Your handset should be held near the base during registration process.)
5. Press and hold the **find** button on the base unit, the charge/in use indicator flashes. Press the handset **mute/menu OK** button.
The screen displays *REGISTERING*, then the screen displays *REGISTERED*.
You may now rename your handset. (Refer to Step of Handset Name Section)
NOTE: If you are re-registering the handset through the handset menu; to rename your handset you must go to the Handset Name Section and start from the beginning step.

De-Registration
De-registration cancels registration. During the de-registration process, keep the handset near the base.
From the Initial Setup Menu:
1. Press the **caller ID-volume** (▲ or ▼) button to scroll to the **DEREGISTRATION** sub-menu.
2. Press the **mute/menu OK** button to enter the menu. The screen displays *YES   NO.* The default setting is *NO.*
3. Use the **caller ID-volume** (▲ or ▼) button to scroll to **YES** or **NO**.
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.
4. Select **NO**, if you do not want to de-register.
5. If you select **YES**, press the **mute/menu OK** button and *MOVE NEAR BASE* displays for seconds, then the screen displays *YES NO*.
6. Use the **caller ID-volume** (▲ or ▼) button to scroll to **YES** or **NO**.
7. If you select YES, press the **mute/menu OK** button to confirm. The screen displays *DE-REGISTER...* . You will hear a confirmation tone. Then the screen displays *DEREGISTERED* to confirm the handset is deregistered.
NOTE: When you complete the de-registration process, HANDSET NEEDS REGISTRATION shows in the display. To use the handset, you MUST re-register the handset using the Registration process.

Global De-registration
If one or more handsets become lost, you should de-register all handsets to ensure proper system operation.
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. Disconnect power from the base by pulling the plug out of the back of the unit.
2. Press and hold the **find** button and while holding the **find** button reconnect the power.
3. Continue to hold the **find** button until the charge/in use light flashes rapidly.
4. Release the **find** button.
5. Press and release the **find** button on the base once. All handsets are de-registered and the screen displays *HANDSET NEEDS REGISTRATION*.

Sound Setup
1. Make sure your phone is **OFF** (not in TALK mode).
2. Press the **mute/menu OK** button to go to the main menu.
3. Press **caller ID-volume** (▲ or ▼) button to scroll to **SOUND SETUP**.
4. Press **mute/menu OK** button to confirm and you may program the following items: Ringer Tone, Ringer Volume, Key Tone.

Ringer Tone
You may choose from five ringer tones and five melodies.
From the Sound Setup Menu:
1. Press the **caller ID-volume** (▲ or ▼) button to scroll to the **RINGER TONE** sub-menu.
2. Press **mute/menu OK** button to enter the menu. The screen displays *1 OF 10*. *01* is default setting.
3. Use the **caller ID-volume** (▲ or ▼) button to scroll to the desired setting (1 through 10). You will hear a sample of the ringer tone/melody you select.
4. Press the **mute/menu OK** button to save your selection. You will hear a confirmation tone and rhe screen displays the selected ringer tone.
NOTE: You must have the Ringer Volume set to ON for ring tone to signal an incoming call.

Ringer Volume
From the Sound Setup Menu:
1. Press the **caller ID-volume** (▲ or ▼) button to scroll to the **RINGER VOLUME** sub-menu.
2. Press **mute/menu OK** button to enter the menu. The screen displays *RING VOLUME 5*.
3. Use the **caller ID-volume** (▲ or ▼) button to scroll to your selection. *LEVEL 5* is the default setting.
4. Press the **mute/menu OK** 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 screen displays the ringer off icon.

Key Tone
From the Sound Setup Menu:
1. Press the **caller ID-volume** (▲ or ▼) button to scroll to the **KEY TONE** sub-menu.
2. Press **mute/menu OK** button to enter the menu. The screen displays *> ON OFF*.
3. Use **caller ID-volume** (▲ or ▼) button to scroll to your selection.
ON is the default setting.
4. Press the **mute/menu OK** button to confirm and the screen displays the key tone setting.

Reset Setting
1. Make sure your phone is **OFF** (not in TALK mode).
2. Press the **mute/menu OK** button to go to the main menu.
3. Press **caller ID-volume** (▲ or ▼) button to scroll to **RESET SETTINGS**.
4. Press **mute/menu OK** button to confirm and you may program the following items: Voicemail, All Settings.

Voicemail

From the Reset Settings Menu:
1. Press the **caller ID-volume** (▲ or ▼) button to scroll to the **VOICEMAIL** sub-menu.
2. Press the **mute/menu OK** button to enter the menu. The screen displays *YES NO*. The default setting is *NO*.
3. Use the **caller ID-volume** (▲ or ▼) button to move the cursor to **YES** or **NO**. **NOTE: If YES is selected, new voicemail icon is cleared from the LCD and the VMWI LED is turned OFF (on ALL handsets, and the charge/in use LED on the base).**
4. Press the **mute/menu OK** button to save your selection. You will hear a confirmation tone.

All Settings
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.
From the Reset Settings Menu:
1. Press the **caller ID-volume** (▲ or ▼) button to scroll to the **ALL SETTINGS** sub-menu.
2. Press the **mute/menu OK** button to enter the menu. The screen displays *YES   NO*. The default setting is *NO*.
3. Use the **caller ID-volume** (▲ or ▼) button to move the cursor to **YES** or **NO**. **NOTE: If you choose YES all the settings in the programmable menu are returned to factory default setting.**
4. Press the **mute/menu OK** button to save your selection. You will hear a confirmation tone.

Telephone Operation
Visual Indicators
Base
The charge/in use indicator on the base will flash to alert you to an incoming call, during paging, or if you have a message waiting from your service provider. The indicator will remain lit when a handset is in the base charging or when the line is in use.

Handset
The **TALK/SPEAKER** indicator buttons flash when you receive a call and remain lit during a call.
The keypad and CID will also illuminate when a call is received.

VMWI / Visual Ringer Indicator on Handset
IMPORTANT: In order to use this unit's Voice Mail Waiting Indicator (VMWI) feature, you must subscribe to this service from your phone company.
The VMWI indicator on the top of the handset flashes when you receive a new message from your service provider. Also, it serves as a Visual Ringer function. It will flash when there is an incoming call.

Speakerphone Operation

NOTE: If you are using the speakerphone, remain close to handset so the party you are speaking to can hear you.
If you are using the earpiece and want to switch to the speakerphone, press the **TALK/SPEAKER** button, press **END** button to end conversation.
If you are using the speakerphone and want to switch to the earpiece, press the **TALK/SPEAKER** button again, press **END** button again to end conversation.

Making a Call
1. Press the **TALK/SPEAKER** button. Dial the desired number.
- OR -
Dial the number first, then press the **TALK/SPEAKER** button.
- OR -
Press the **caller ID-volume** (▲ or ▼) button to select the desired record, then press the **TALK/SPEAKER** button.
2. When finished, press the **END** button to hang up.
NOTE: You may enter up to 28 pre-dial digits.
NOTE: If you want to delete the pre-dial number you entered, press the delete/int/conf button until all of the digits are erased.

Answering Calls
1. When the phone rings, pick up the handset and press the **TALK/SPEAKER** button.
2. When finished, press **END** button to hang up.
- OR -
If the auto talk mode is selected, pick up the handset from the charge cradle to answer the call immediately.
NOTE: Adjust the handset volume by pressing the caller ID-volume (▲ or ▼) button during a call.

Call Timer
After you press the **TALK/SPEAKER** 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.
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 Volume (Shortcut)
There are two ways to set the ringer volume. One is the traditional way as described in the Programming Functions; Sound 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/ringer** button to display *SET RINGER LEVEL 5*.
3. Use the **caller ID-volume** (▲ or ▼) button to scroll to your selection. *LEVEL 5* is the default setting.
4. Press **#pause/ringer** button again to save and display the new selection for a few seconds.

Flash/Call Waiting
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.

Last Number Redial
You may redial a number up to 20 digits long. To quickly redial the last n9`umber you dialed:
1. Press the **TALK/SPEAKER** button.
2. Press the **redial/format** button.
-OR-
3. Press the **redial/format** button first, then use the **caller IDvolume** (▲ or ▼) button to select the desired redial number.
- Press the **caller ID-volume** (   ) to review the oldest call and scroll toward the most recent calls (higher numbers).
- Press the **caller ID-volume** (   ) to review the newest call and scroll to older calls (lower numbers).
NOTE: You may choose from the last three numbers that were dialed.
4. Press the **TALK/SPEAKER** button. The number dials automatically.
If you get a busy signal and want to keep dialing the number, press the **redial/format** button to quickly redial the number.

Exit
Press the **END** 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.

Paging from the Base/Group Page
Use the base-only to page all registered handsets at the same time.
1. Press the **find** button on the base. All handsets beep for two minutes, and each handset's screen displays *FIND HANDSET*.
2. To cancel the page, press the **find** button on the base, or press the **TALK/SPEAKER** button or the **END** 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/menu OK** button. The handset screen displays *MUTE ON*.
2. Press the **mute/menu OK** button to cancel and return to your phone conversation.

Receiver Volume Control
When the handset is **ON** (in TALK mode) you may adjust the receiver volume by pressing the **caller ID-volume** (▲ or ▾) button. There are five volume levels to choose from. When the maximum or minimum volume level is reached, the phone beeps twice. VOL 1 is minimum and VOL 5 is maximum.

Do Not Disturb (D-N-D)
This feature allows you to turn off all the handset ringer(s) at once, by pressing one button at the base unit, even though the ringer volume of handset(s) has been preset.
1. In the standby mode, press the **do not disturb** button on the base.
2. The DND indicator illuminates and the handset screen displays .
3. To cancel, press the **do not disturb** button again.
NOTE: You can press the do not disturb button and activate the function immediately, even when there is incoming call ringing in, or during call screening after the call is taken by the answerer.

Intercom Operation
(applicable only with additional handsets)
The intercom feature allows you to have a conversation with another registered handset without tying up the telephone line, allowing you to still receive incoming calls.

Making an Auto Intercom Call
1. Make sure the handset is **OFF** (not in TALK mode).
2. Press the **delete/int/conf** button on the handset.
3. Use the touch-tone pad to select the handset you want to page.
NOTES:
a) If the user has not entered the paged handset number within a few seconds, the handset displays a paged handset number list (i.e. Handset 2, Handset 3, Handset 4, Handset 5 and Handset 6) if Handset 1 is paging the handset.
b) Even if the handset has not been registered with all 6 handsets, the paging list displays all handset numbers.
c) If the user has selected a paged handset number that has not been registered, the handset emits an error tone and ask the user to retry again.
4. A long beep is heard and then the two handsets are immediately connected. Receiving handset shall immediately come into the auto intercom mode that both "microphone" and "speaker" of this receiving handset shall be enabled such that the user of receiving handset can freely talk and listen to the conversation.
5. When finished, press the **END** button or **delete/int/conf** button on either handset to deactivate the intercom.

NOTE: The system is expandable up to 6 handsets (by purchase of optional Model 28203 handset with recharge cradle). When 4 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.

Advanced Intercom Features

Receiving an Incoming Call During an Intercom Call

If you receive a telephone call during an intercom call, an incoming call alert tone will be heard (through the earpiece or speaker). If the user wants to answer an incoming call, they must press **END** to terminate the intercom and receive an incoming ring.

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 **delete/int/conf** button, and use the touch-tone pad to enter the handset number to put an external line on hold. The user may then auto intercom with the paged handset.
NOTE: Both intercom users may speak privately. The external caller will not hear the intercom conversation.
2. When finished, press the **END** 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 **delete/int/conf** button. The screen displays *LINE ON HOLD EXTENSION?*
2. Use the touch-tone pad to select Handset # to enter into auto intercom call with paged handset.
3. When the receiving handset connects, press the **delete/int/conf** button on the originating handset to conference with the receiving handset and the external caller. The screen displays *CONFERENCE* on the originating and receiving handsets.
NOTE: A handset can enter conference mode directly by pressing TALK/SPEAKER 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 **delete/int/conf** button on the originating handset to put an external call on hold, and enter the paged handset number.

2. A long beep is heard and then the two handsets are immediately connected. Receiving handset shall immediately come into the auto intercom mode that both "microphone" and "speaker" of this receiving handset shall be enabled such that the user of receiving handset can freely talk and listen to the conversation.
3. When the receiving handset connects, press the **END** button on the originating handset to transfer the call.

Caller ID (CID)
IMPORTANT: In order to use this unit's Caller ID features, you must subscribe to either the standard Name/Number Caller ID Service or Call Waiting Caller ID Service. To know who is calling while you are on the phone, you must subscribe to Call Waiting Caller ID Service.
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.

Call Waiting Caller ID
Provided you subscribe to Call Waiting Caller ID service from your phone company; if you receive an incoming call and you are using the GE multi handset system, a beep indicates the presence of a Call Waiting call on the line. The Call Waiting Caller ID information will be displayed and stored in the history of all handsets in the system.
  • When you hear the call waiting beep in the handset receiver, press the **flash** button to put the current call on hold and answer the incoming call. Press the **flash** button to return to the original call.

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 CID 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 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 **caller ID-volume** (▾) button to review the newest CID record.
3. Press the **caller ID-volume** (▴) button to review the oldest CID record first.

Dialing a CID Number
1. Make sure the phone is **OFF** (not in TALK mode).
2. Use the **caller ID-volume** (▲ or ▼) button to display the desired record.
3. Press the **TALK/SPEAKER** button. The number dials automatically.
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, press the redial/format button to adjust the number, and try again.

Available formats include:

Number of digits	Explanation	Example
Eleven digits	Long distance code "1 " +3-digit area code +7-digit telephone number.	1-317-888-8888
Ten digits	3 -digit area code 7-digit telephone number.	+ 3 17-888-8888
Seven digits	7-digit telephone number	888-8888

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Storing CID Records in Internal Memory
You may also store CID information in the phone's internal memory.
NOTE: It is important that you format CID records correctly BEFORE storing in internal memory as you cannot reformat CID records stored in memory.
1. Make sure the phone is **OFF** (not in TALK mode).
2. Use the **caller ID-volume** (▲ or ▼) button to scroll to the desired CID record.
3. Press the **mute/menu OK** button to display *ENTER NAME* and then follow "ADD RECORDS in Phoneboook section" procedures from Step 3 to Step 7 to store the number.
NOTE: Press the END button once to keep the previous setting (making no changes) and return to the menu.
NOTE: If the selected CID record contains any information that is non-numeric, the unit will not allow this record to transfer to the internal user memory. The handset will display *UNABLE TO STORE*.

Deleting a CID Record
1. Make sure the phone is **OFF** (not in TALK mode).
2. Use the **caller ID-volume** (▲ or ▼) button to display the CID record you want to delete.
3. Press the **delete/int/conf** button. The screen displays *DELETE CALL ID?*
NOTE: Press the END button to return to the previous screen without deleting any CID records.
4. Press the **delete/int/conf** button to erase the record showing in the display. The screen displays *DELETED*.

Deleting All CID Records
1. Make sure the phone is **OFF** (not in TALK mode).
2. Use the **caller ID-volume** (▲ or ▼) button to display any Caller ID record.
3. Press and hold the **delete/int/conf** button until the screen displays *DELETE ALL?* .
NOTE: Press the END button to return to the previous screen without deleting any CID records.
4. Press **delete/int/conf** button to erase all of the current CID records. The screen displays *DELETED* followed by *NO CALLS*.

Phonebook
Each handset can store up to fifty records in phone book for quick dialing; each record can contain a maximum of 20-digit numbers and 14-character names (including spaces).

Review Records
1. Make sure the phone is **OFF** (not in TALK mode).
2. Press the **mute/menu OK** button to go to main menu.
3. Use the **caller ID-volume** (▲ or ▼) button to scroll to **PHONE BOOK**.
4. Press the **mute/menu OK** button to access the phonebook submenu.
5. Use the **caller ID-volume** (▲ or ▼) button to scroll to **VIEW RECORDS**.
6. Press the **mute/menu OK** button to confirm, all records are shown in alphabetical order.
7. Press the **caller ID-volume** (▲ or ▼) button or key in alphabet to view the records and scroll to a record to be dialed out.
8. Press the **TALK/SPEAKER** button to confirm.

Add Records
From Phonebook Sub-Menu:
1. Use the **caller ID-volume** (▲ or ▼) button to scroll to **ADD RECORDS**.
2. Press the **mute/menu OK** button to confirm. The screen displays *ENTER NAME*.
3. Use the touch-tone pad to enter a name (up to 14 characters). More than one letter is stored in each of the number keys. For example, to enter Bill Smith, press the key twice for the letter B. Press the key times for the letter I. Press the 5 key times for the letter L. Press the 5 key 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 times for

the letter S; press the 6 key once for the letter M; press the key times for the letter I; press the 8 key for the letter T; press the key twice for the letter H.
NOTE: If you make a mistake press the delete/int/conf button to backspace and erase the wrong character(s) or number(s).
4. Press the **mute/menu OK** button again to save your selection. The screen displays *ENTER NUMBER*.
5. Use the touch-tone pad to enter the telephone number (up to 20 digits, including pauses), and press the **mute/menu** button to confirm and advance **SET MELODY** sub-menu.
6. Use the caller **ID-volume** (▲ or ▼) button to select from melody 01 to melody 10 (a testing tone is generated while making melody selection).
7. Press **mute/menu OK** button to confirm, the records are stored alphabetically in the phone book.

Inserting a Pause in the Dialing Sequence (of a Stored Number)
Press the **#pause/ringer** 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.

Edit Records
From Phonebook Sub-Menu:
1. Use the **caller ID-volume** (▲ or ▼) button to scroll to **EDIT RECORDS**.
2. Press the **mute/menu OK** button to confirm, the screen displays the records.
3. Use the **caller ID-volume** (▲ or ▼) button or key in alphabet to move to desired record, press **mute/menu OK** button to confirm. The screen displays *ENTER NAME*.
4. Repeat Steps 3 through 7 in "Add Records" section.

Delete Records
From Phonebook Sub-Menu:
1. Use the **caller ID-volume** (▲ or ▼) button to scroll to **DELETE RECORDS**.
2. Press the **mute/menu OK** button to confirm, the screen displays the records.
3. Use the **caller ID-volume** (▲ or ▼) button or key in alphabet to move to desired record, press the **delete/int/conf** button. The screen displays *DELETE?*.
4. Press the **delete/int/conf** button again to confirm.
NOTE: If you don't want to change or delete a record, simply press the END button, or wait for one minute to exit automatically.

Dialing a Number from Internal Memory
1. Make sure the phone is **OFF** (not in TALK mode).
2. Press the **mute/menu OK** button to access the phonebook sub-menu.
3. Use the **caller ID-volume** (▲ or ▼) button to scroll to *VIEW RECORDS*.
4. Press the **mute/menu OK** button to confirm
5. Use the **caller ID-volume** (▲ or ▼) button or key in alphabet to move to the desired number.
6. Press the **TALK/SPEAKER** buttons, the number dials automatically.

Answering System Operation
This section discusses the buttons and features on the answering system.

Message Counter Indicator
The message counter gives you a numeric display of how many messages you have. The new message indicator flashes to indicate you have new messages. See below for the details.
a) Message counter has a number displayed without flashing – No new messages. Shows total number of old messages.
b) Message counter has a flashing number displayed - There are new messages. Shows total number of old and new messages.
c) Message counter has bars (- -) - Answerer is off.
d) Message counter has an "F" flashing on the display - Memory is full.
e) Message counter has a "CL" flashing on the display - Clock is not set since power up or after power failure.
f) Message counter has six horizontal bars flashing on the display- MEMO recording.
g) Message counter has a "IN" flashing on the display – Answering incoming calls and recording an incoming call.
h) Message counter has "LA" - The answering system is being accessed remotely.
i) Message counter has "An" on the display - Answerer is ANNOUNCE ONLY MODE.
NOTE: While the messages are playing, the message counter will display the messages in the order they were received.
NOTE: The maximum recording time for each message is 3 minutes and the total recording time of this unit is 12 minutes.

Leaving a Message/Memo
Use the memo feature to leave a message.
1. Press and hold the **memo** button.
2. Begin speaking after you hear "*RECORD MESSAGE*" and start tone.
3. Release the **memo** button when you are finished recording the memo.
NOTE: Maximum recording time for memo is 3 minutes.

Screening Calls from the Base
1. When the answering system answers the call, listen while the caller leaves a message (to determine who is calling).
2. To speak to the caller, pick up the handset, and press the **TALK/ SPEAKER** button.
The answering system automatically stops recording when you activate the handset or pick up an extension phone.
TIP: Make sure the volume on the base is set loud enough to hear your incoming calls.

Messages Playback
The message counter let you know when you have message(s) or new message(s). To play the messages, press the **play/stop** button.
While a message is playing, you may do the following:
• Press the **play/stop** button to stop the message playback.
• Press and release the **repeat** button to restart the current message.
• Press and release the **repeat** button twice to go to the previous message.
• Press and release the **skip** button to go to the next message.
• Press the **delete** button to erase the current message.

Memory Full
When the answering system memory is full, the system answers after 15 rings. You should erase some messages so the answering system may record new messages.

Erasing Messages
You may erase messages in the following three ways:

To erase a message while it is playing:
1. Press and release **play/stop** button.
2. Press the **repeat** and **skip** buttons to select and play the message you want to erase.
3. Press the **delete** button, the current message is erased, and the next message plays.

To erase all previously played Messages in a mailbox:
1. Make sure the phone is **OFF** (not in TALK mode)
2. Press and hold the **delete** button until "*ALL OLD MESSAGES ERASED*" is announced.

To erase a message with the handset :
1. Press **flash/answerer** button to access the answering system. The screen displays *ANSWERER REMOTE ACCESS*.
2. Press the **play/stop** (Key 2] on the handset.
3. Press the **delete** button on the handset to erase a message during playback.
NOTE: Erased messages cannot be restored.

Remote Access
You may access the answering system with the cordless handset or from any tone-dial compatible telephone.

Cordless Handset
Use the corresponding handset keys just like you would use the base buttons (see "Answering System Setup"). The button functions are located on the handset above each number key. For example, to play messages:
• Press the **flash/answerer** button to access the answering system.

• Press the **PLAY/STOP** button to play the message.
• When you are finished listening to your messages, press the **END** button to exit.

Screening Calls from the Handset
Use the handset to screen calls even when you can't hear the answering system.

When the answering system picks up:
1. Press the **flash/answerer** button to access the answering system.
2. Listen as the caller leaves a message.
3. Press the **TALK/SPEAKER** buttons to speak to the person or press the **END** button to stop screening the call.

Accessing the Answering System from Another Location
You can access your answering system from any touch-tone phone by entering your 3-digit security code during the playing of outgoing announcement or after you hear the outgoing announcement.
1. Dial the telephone number to which the answering system is connected.
2. While the outgoing announcement is playing, enter the security code "123 "
-OR
After the announcement has played and you hear a tone, enter
security code "123 ".
3. Follow the voice menu to use the answering system's remote functions.

The remote feature lets you perform the following functions:

	To Press this button
Review message	1
Play back messages	2
Stop message playback	2
Erase message	0 (during message playback)
Skip message	3
Turn off/on answerer	4
Review voice menu options	7

Memory Full
When answering system memory is full, the system answers after 15th ring, and beeps to prompt you to enter the 3-digit security code. If you don't enter the security code within 8 seconds, the phone hangs up.
You should erase some messages so the answering system can
record new messages.
NOTE: The unit also answers after the 15th ring if it is turned off. To access the answering system, enter your 3-digit security code.

Changing the Battery
CAUTION: To reduce the risk of fire or personal injury, use only the approved Nickel-metal Hydride battery (Ni-MH), which 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 door.
3. Disconnect the cord attached to the battery pack and remove the battery pack from the handset.
4. Insert the new battery pack and connect the cord to the jack inside the battery compartment.
5. Put the battery compartment door back on.
6. Place handset in the base to charge. **Allow the handset battery to properly charge (for 16 hours) prior to first use or when you install a new battery pack. If you do not properly charge the phone, battery performance will be 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 **Nickel-metal Hydride** battery listed in the User's Guide.
• Keep batteries out of the reach of children.
• Remove batteries if storing over 30 days.

<u>**Display Messages**</u>
The following messages show the status of the phone, provides Caller ID information, or helps you set up and use your phone.

BLOCKED NUMBER	Indicates the person is calling from a number which is blocked from transmission.
CALL SCREENING	Indicates you may use the handset to screen calls before answering the call.
CHARGING...	Indicates the handset needs to charge for a period of time before it can resume normal function.
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.
ENTER NAME	Prompt telling you to enter the name for one of the 50 memory locations.
ENTER TEL NUMBR	Prompt telling you to enter the telephone number for one of the 50

	memory locations.
HANDSET NAME	Prompt telling you to enter the user name for the registered handset.
HANDSET NEEDS	Indicates you must register a non-registered handset
REGISTRATION	prior to use.
INCOMPLETE DATA	Caller information is interrupted during transmission or the phone line is excessively noisy. Indicates no CID information was received, you are not subscribed to CID service, or CID service is not working.
LINE IN USE	Displays on handset while the line is in use.
LONG DISTANCE	Indicates CID record is from a long distance call.
LOW BATTERY	Indicates the battery needs to be charged.
MSG WAITING OFF	Indicates voice mail has been retrieved from service provider.
NEW CALL XX	XX represents the number of new CID records not reviewed.
NEW VOICE MAIL	Indicates voice mail has not been retrieved from service provider.
NO CALLS	Indicates there are no CID records in memory.
OUT OF RANGE	May indicate handset is too far away from the base or that the power has been interrupted. Move closer and check connections.
PAGING or PAGING FROM	Someone pressed the page button on the base or delete/int/conf button on the handset
REPT	Indicates a repeat call message. Indicates a new call from the same number was received more than once.
ROOM MONITORING....	The audio link between handsets is established.
SEARCHING	Indicates handset is searching for the base.
SPKR	Indicates the handset is in speakerphone mode.
UNKNOWN NAME/ CALLER/NUMBER	The incoming call is from an area not serviced by CID or the CID information was not sent.

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Answering System Display Messages
The following messages show the status of the answering system or help you set up and use the system.

0-59	Indicates the total number of messages.
CL (blinking)	The voice time/day stamp needs to be set.
- -	Answering system is turned off.
IN (blinking)	The system is answering a call.
F (blinking)	Answering system memory is full.
Six bars (blinking)	The system is recording a memo or an announcement.
LA (Line Access)	External line remote answering system.
An (blinking)	Answering system is in announcement only mode.

Quick Set-up Guide for Optional/Additional Model 2110 DECT 6.0 Cordless Handset
for use with Systems 2111 and 2112 Series

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.

US Number is located on the cabinet bottom.
REN Number is located on the cabinet bottom.

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.

Privacy of Communications may not be ensured when using this product. 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.

Notice: The changes or modifications not expressly approved by the party responsible for

compliance could void the user's authority to operate the equipment.

Hearing Aid Compatibility (HAC)

This telephone system meets FCC standards for Hearing Aid Compatibility.
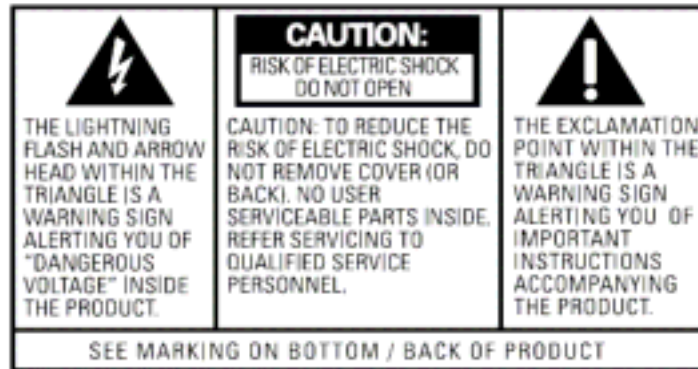
Licensing

Licensed under US Patent xxxxxxx.

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.

WARNING: TO PREVENT FIRE OR ELECTRICAL SHOCK HAZARD, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

THE LIGHTNING FLASH AND ARROW HEAD WITHIN THE TRIANGLE IS A WARNING SIGN ALERTING YOU OF "DANGEROUS VOLTAGE" INSIDE THE PRODUCT.

CAUTION: RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

THE EXCLAMATION POINT WITHIN THE TRIANGLE IS A WARNING SIGN ALERTING YOU OF IMPORTANT INSTRUCTIONS ACCOMPANYING THE PRODUCT.

SEE MARKING ON BOTTOM / BACK OF PRODUCT

Information for DECT Product

This telephone is compliant with the DECT 6.0 standard which operates in the 1.92GHz to 1.93GHz frequency range. Installation of this equipment is subject to notification and coordination with UTAM. Any relocation of this equipment must be coordinated through and approved by UTAM. UTAM may be contacted at 1-800-429-8826.

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.

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.

Before You Begin

Parts Checklist (for Model 2110)

Make sure your package includes the items listed here.

Handset

Handset charge cradle

Handset battery pack

Battery compartment cover

Installation

Digital Security System

Your cordless phone uses a digital security system to protect against false ringing, unauthorized access, and charges to your phone line.

INSTALLATION NOTE: Some cordless telephones operate at frequencies that may cause or receive interference with 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 ovens, or VCR. If such interference continues, move the cordless telephone farther away from these appliances.

Certain other communications devices may also use the 1.9 GHz 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 1.9 GHz frequency for communication include wireless audio/video senders, wireless computer networks, multi-handset cordless telephone systems, and some long-range cordless telephone

systems.

Important Installation Guidelines

• Avoid sources of noise and heat, such as motors, fluorescent lighting, microwave ovens, heating appliances and direct sunlight.

• Avoid areas of excessive dust, moisture and low temperature.

• Avoid other cordless telephones or personal computers.

• 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.

Installing the Phone
Installing the Handset Battery
NOTE: You must connect the handset battery before use.

CAUTION: To reduce the risk of fire or personal injury, use only the. approved Nickel metal Hydride battery (Ni-MH) (Brand name: SANIK, Model name: 2SN-AAA55H-S-J1, Capacity: 2.4V/550mAh; Brand name: BYD, Model name: H-AAA550BX2, Capacity: 2.4V/550mAh; Brand name: Corun, Model name: NI-MH AAA550*2, Capacity: 2.4V/550mAh), that is compatible with this unit.

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: 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.

Handset Charging Cradle
1. Plug the AC power converter of the charging cradle into the electrical outlet.
CAUTION: To reduce risk of personal injury, fire, or damage use only the power adaptor (Manufacturer: ESL, Type: IA5060, 120Vac/6Vdc/500mA) listed in the user's guide. This power adaptor is intended to be correctly orientated in a vertical or floor mount position.
2. Place the handset in the charging cradle. The charge indicator turns on, verifying the battery is charging.
3. Allow the phone to charge for 16 hours prior to first use.

Programming the Telephone
Initial Setup
1. Make sure your phone is **OFF** (not in TALK mode).
2. Press the **mute/menu OK** button to go to the main menu.
3. Press **caller ID-volume** (ˏ **or**) button to scroll to *INITIAL SETUP*.
4. Press the **mute/menu OK** button to confirm and you may program the following items:
Handset Name, Registration, Deregistration, and Global De-registration.
NOTE: During programming, you may press the END button at any time to exit the sub-menu and return to the menu.
Handset Name
From the Initial Setup Menu:

1. Press the **caller ID-volume** (ˎ or   ) button to scroll to the *HANDSET NAME* sub-menu.
2. Press **mute/menu OK** button to enter the menu. The screen displays *HANDSET NAME*.
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 key twice for the letter B. Press the key times for the letter I. Press the 5 key times for the letter L. Press the 5 key 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 times for the letter S; press the 6 key once for the letter M; press the key times for the letter I; press the 8 key for the letter T; press the key twice for the letter H.
NOTE: If you make a mistake, use the delete/int/conf button to backspace and delete one character at a time.
4. Press the **mute/menu OK** button to save your name. You will hear a confirmation tone and the handset name shows in the display.

Registration

Your packaged handset(s) are pre-registered and ready to use. It is not recommended that a handset be registered again unless absolutely necessary.
From the Initial Setup Menu:
1. Press the **caller ID-volume** (ˎ or   ) button to scroll to the *REGISTRATION* sub-menu.
2. Press the **mute/menu OK** button to enter the menu. *YES   NO* shows in the display The default setting is *NO*.
3. Use the **caller ID-volume** (ˎ or   ) button to scroll to *YES* or *NO*.
4. If you select **YES**, press the **mute/menu OK** button. *HOLD BASE FIND FOR 5 SECONDS, THEN PRESS MENU OK KEY* shows in the display. (Your handset should be held near the base during registration process.)
5. Press and hold the **find** button on the base unit, the charge/in use indicator flashes.
Press the handset **mute/menu OK** button. *REGISTERING* shows in the display. *REGISTERED* shows in the handset's display. You may now rename your handset.
(Refer to Step 3 & 4 of Handset Name Section)
NOTE: If you are re-registering the handset through the handset menu; to rename your handset you must go to the Handset Name Section and start from the beginning step.

De-Registration

De-registration cancels registration. During the de-registration process, keep the handset near the base.
From the Initial Setup Menu:
1. Press the **caller ID-volume** (ˎ or   ) button to scroll to the *DEREGISTRATION* sub-menu.
2. Press the **mute/menu OK** button to enter the menu. *YES   NO* shows in the display, the default setting is *NO*.
3. Use the **caller ID-volume** (ˎ or   ) button to scroll to *YES* or *NO*.
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.
4. Select **NO**, if you do not want to de-register.
5. If you select **YES**, press the **mute/menu OK** button and *MOVE NEAR BASE* displays for seconds, then *YES NO* appears in the display.
6. Use the **caller ID-volume** (ˎ or   ) button to scroll to *YES* or *NO*.
7. If you select **YES**, press the **mute/menu OK** button to confirm. *DE-REGISTER...* shows in the display. You will hear a confirmation tone. Then *DEREGISTERED* shows in the display to confirm the handset is deregistered.
NOTE: When you complete the de-registration process, *HANDSET NEEDS REGISTRATION* shows in the display. To use the handset, you MUST re-register the handset using the Registration process.

Global De-registration

If one or more handsets become lost, you should de-register all handsets to ensure proper system operation.
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. Disconnect power from the base by pulling the plug out of the back of the unit.
2. Press and hold the **find** button and while holding the **find** button reconnect the power.
3. Continue to hold the **find** button until the charge/in use light flashes rapidly.
4. Release the **find** button.

5. Press and release the **find** button on the base once. All handsets are de-registered and *HANDSET NEEDS REGISTRATION* shows in the display.

Intercom Operation
(applicable only with additional handsets)
The intercom feature allows you to have a conversation with another registered handset without tying up the telephone line, allowing you to still receive incoming calls.

Making an Auto Intercom Call
1. Make sure the handset is **OFF** (not in TALK mode).
2. Press the **delete/int/conf** button on the handset.
3. Use the touch-tone pad to select the handset you want to page.
NOTE:
a) If the user has not entered the paged handset number within a few seconds, the handset shall display a paged handset number list (i.e. Handset 2, Handset 3, Handset 4, Handset 5 and Handset 6) if Handset 1 is paging the handset.
b) Even if the handset has not been registered with all 6 handsets, the paging list will display all handset numbers.
c) If the user has selected a paged handset number that has not been registered, the handset will emit an error tone and ask the user to retry again.
4. A short page tone is heard and then the two handsets are immediately connected.
Receiving handset shall immediately come into the auto intercom mode that both
"microphone" and "speaker" of this receiving handset shall be enabled such that the user of receiving handset can freely talk and listen to the conversation.
5. When finished, press the **EXIT** button or **delete/int/conf** button on either handset to deactivate the intercom.
NOTE: The system is expandable up to 6 handsets (by purchase of optional Model 2110 handset with recharge cradle). When 4 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 **delete/int/conf** button or **TALK/SPEAKER** button.

Advanced Intercom Features
Receiving an Incoming Call During an Intercom Call
If you receive a telephone call during an intercom call, an incoming call alert tone will be heard (through the earpiece or speaker). If the user wants to answer an incoming call, they must press **END** to terminate the intercom and receive an incoming ring.

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 **delete/int/conf** button, and use the touch-tone pad to enter the handset number to put an external line on hold. The user may then auto intercom with the paged handset.
NOTE: Both intercom users may speak privately. The external caller will not hear the intercom conversation.
2. When finished, press the **END** 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 **delete/int/conf** button. *LINE ON HOLD EXTENSION?* shows in the display.
2. Use the touch-tone pad to select Handset # to enter into auto intercom call with paged handset.
3. When the receiving handset connects, press the **delete/int/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/SPEAKER 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 **delete/int/conf** button on the originating handset to put an external call on hold, and enter the paged handset number.
2. A long beep is heard and then the two handsets are immediately connected.

Receiving handset shall immediately come into the auto intercom mode that both "microphone" and

"speaker" of this receiving handset shall be enabled such that the user of receiving handset can freely talk and listen to the conversation.
3. When the receiving handset connects, press the **END** button on the originating handset to transfer the call.

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 **Nickel-metal Hydride** battery listed in the User's Guide.

• Keep batteries out of the reach of children.

• Remove batteries if storing over 30 days.

NOTE: The RBRC seal on the battery used in your product indicates that we are participating in a program to collect and recycle the rechargeable battery (or batteries).
For more information go to the RBRC web site at www.rbrc.org or call 1-800-8-BATTERY or contact a local recycling center.

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.

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.