

# Model 21900 Series True Digital User's Guide



Your new GE telephone system is **EXPANDABLE** up to a total of 4 handsets (by purchase of optional Model 21920 handset with charge cradle)

## 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.

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## 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 6,427,009.

## 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.

## Introduction

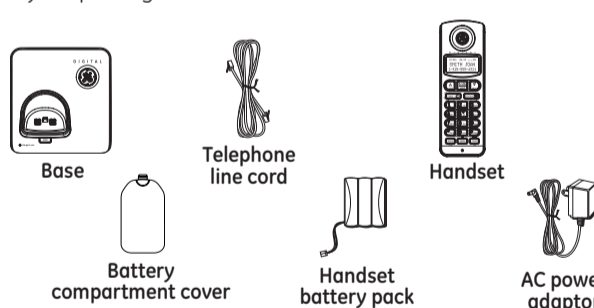
**CAUTION: When using telephone equipment, there are basic safety instructions that should always be followed. Refer to the IMPORTANT SAFETY INSTRUCTIONS provided with this product and save them for future reference.**

**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 21900xx-1)

Make sure your package includes the items shown here.



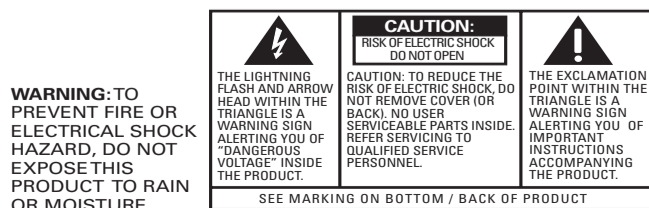
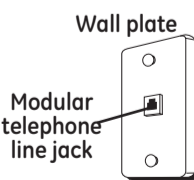
For **Model 21900xx2** there will be **ONE** additional handset, charge cradle, battery pack and cover than shown above.

For **Model 21900xx3** there will be **TWO** additional handsets, charge cradles, battery packs and covers than shown above.

For **Model 21900xx4** there will be **THREE** additional handsets, charge cradles, battery packs and covers than shown above.

### Telephone Jack Requirements

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



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

**CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER OR SERVICEABLE PARTS INSIDE. REFER SERVICE TO A QUALIFIED SERVICE PERSONNEL.**

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## 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.

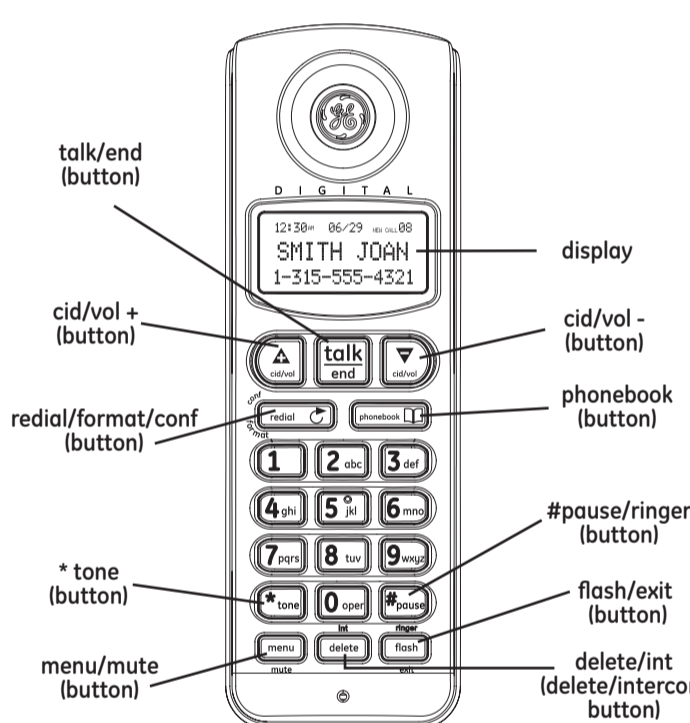
**INSTALLATION NOTE: Some cordless telephones operate at frequencies that may cause or receive interference with nearby TVs, microwave ovens, and VCRs. To minimize or prevent such interference, the base of the cordless telephone should not be placed near or on top of a TV, microwave ovens, or VCR. If such interference continues, move the cordless telephone farther away from these appliances.**

Certain other communications devices may also use the 2.4 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 2.4 GHz frequency for communication include wireless audio/video senders, wireless computer networks, multi-handset cordless telephone systems, and some long-range cordless telephone systems.

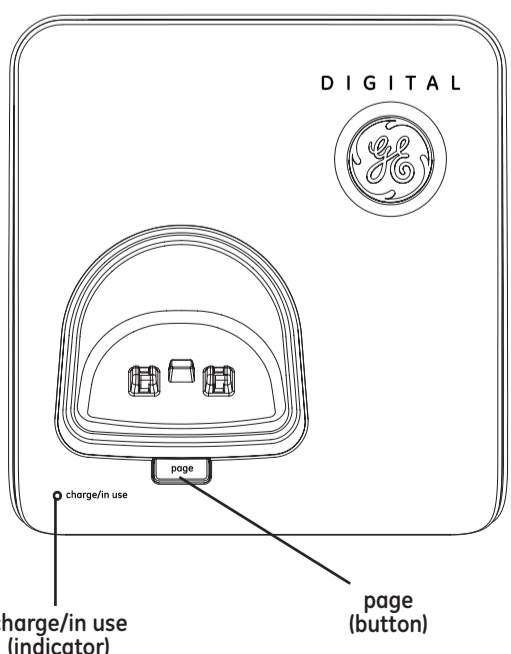
### Important Installation Guidelines

- 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.

## Handset Layout



## Base Layout



## Installing the Phone

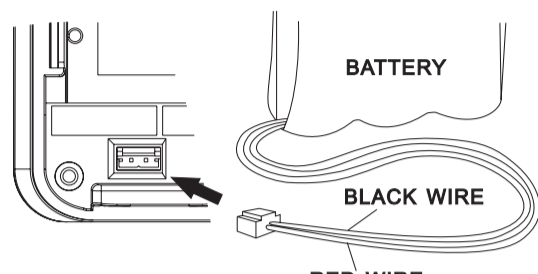
### Installing the Handset Battery

**NOTE: You must connect the handset battery before use.**

**CAUTION: To reduce the risk of fire or personal injury, use only the Thomson Inc. approved model 5e-2721 Nickel-metal Hydride battery (Ni-MH), which is compatible with this unit.**

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

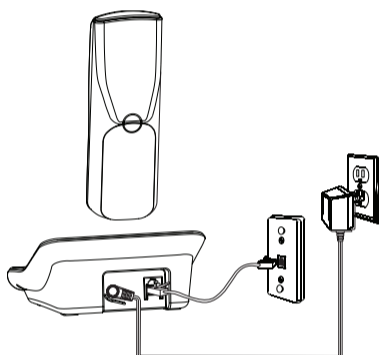
**NOTE: To ensure proper battery installation, the connector is keyed and can be inserted only one way.**



- Close the battery compartment by pushing the door up until it snaps into place.

### Base Station

- 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.
- 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.
- Plug the AC power converter into the electrical outlet and the DC connector into the jack on the back of the base.



- Place the handset in the base cradle. The charge/in use indicator turns on, verifying the battery is charging.
- 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 5-2759 power adaptor 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.



### Handset Setup

- Make sure your phone is **OFF** (not in talk mode).
- Press the menu/mute button to go to the main menu. **HANDSET SETUP** shows in the display.
- Press menu/mute button to confirm and you may program the following items: Set Language, Handset Name, Ringer Tone, Ringer Volume, Key Tone, Area Code, Tone/Pulse, Registration, De-registration, and Default Setting.

**NOTE: During programming, you may press the flash/exit button at any time to exit the sub-menu and return to the menu.**

### Language

**From the Handset Setup Menu:**

- Press the cid/vol (▼ or ▲) button to scroll to the **SET LANGUAGE** sub-menu.
- Press menu/mute button to enter the menu. **SET LANGUAGE 1ENG 2FRA 3ESP** shows in the display.
- Use the touch tone pad on the handset to select **1ENG, 2FRA, 3ESP**, or use the cid/vol (▼ or ▲) button to scroll to the desired language. English is the default setting.
- Press the menu/mute button to save your selection. You will hear a confirmation tone and the selected language shows in the display.

### Handset Name

**From the Handset Setup Menu:**

- Press the cid/vol (▼ or ▲) button to scroll to the **HANDSET NAME** sub-menu.
- Press menu/mute button to enter the menu. **HANDSET NAME** shows in the display.
- Use the touch-tone pad to enter a name (up to 15 characters). More than one letter is stored in each of the number keys. For example, to enter Bill Smith, press the 2 key twice for the letter B. Press the 4 key 3 times for the letter L. Press the 5 key 3 times for the letter R. Press the 7 key 4 times for the letter S, press the 6 key once for the letter M, press the 4 key 3 times for the letter T, press the 8 key for the letter T, press the 4 key twice for the letter H.

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

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

### Ringer Tone

You may choose from ten different ringer tones.

**From the Handset Setup Menu:**

- Press the cid/vol (▼ or ▲) button to scroll to the **RINGER TONE** sub-menu.
- Press menu/mute button to enter the menu. **SET RINGER TONE 01** shows in the display. 01 is default setting.
- Use the cid/vol (▼ or ▲) button to scroll to the desired setting (1 through 10). You will hear a sample of the ringer tone you select.
- Press the menu/mute button to save your selection. You will hear a confirmation tone and the selected ringer tone shows in the display.

**NOTE: You must have the Ringer Volume set to ON for ring tone to signal an incoming call.**

### Ringer Volume

**From the Handset Setup Menu:**

- Press the cid/vol (▼ or ▲) button to scroll to the **RINGER VOLUME** sub-menu.
- Press menu/mute button to enter the menu. **SET RINGER 1HI 2LOW 3OFF** shows in the display.
- Use the touch tone pad on the handset to select 1, 2, or 3, or use the cid/vol (▼ or ▲) button to scroll to your selection. **HI** is the default setting.
- Press the menu/mute button to save your selection. You will hear a confirmation tone and the new volume setting shows in the display.

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

### Key Tone

**From the Handset Setup Menu:**

- Press the cid/vol (▼ or ▲) button to scroll to the **KEY TONE** sub-menu.
- Press menu/mute button to enter the menu. **SET KEY TONE 1ON 2OFF** shows in the display.
- Use the touch tone pad on the handset to select 1 or 2, or use the cid/vol (▼ or ▲) button to scroll to your selection. **1ON** is the default setting.
- Press the menu/mute button to confirm.

### Area Code

**From the Handset Setup Menu:**

- Press the cid/vol (▼ or ▲) button to scroll to the **AREA CODE** sub-menu.
- Press menu/mute button to enter the menu. **SET AREA CODE ---** shows in the display.
- Use the touch-tone pad to enter your 3-digit area code.
- Press the menu/mute button to confirm. You will hear a confirmation tone and the new area code shows in the display.

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

### Tone/Pulse

**From the Handset Setup Menu:**

- Press the cid/vol (▲ or ▼) button to scroll to the **TONE PULSE** sub-menu.
- Press menu/mute button to enter the menu. **TONE/PULSE ▶ 1TONE 2PULSE** shows in the display. The default setting is "1 TONE".
- Use the touch-tone pad or cid/vol (▲ or ▼) to enter **1 TONE** or **2 PULSE**.
- Press the menu/mute button to confirm. You will hear a confirmation tone and your selection 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 Handset Setup Menu:**

- Press the cid/vol (▼ or ▲) button to scroll to the **REGISTRATION** sub-menu.
- Press the menu/mute button to enter the menu. **REGISTRATION 1YES ▶ 2NO** shows in the display. The default setting is "2NO".
- Use the touch-tone pad to select **1** for **YES** or **2** for **NO**. Or use the cid/vol (▼ or ▲) button to scroll to **1YES** or **2NO**.
- If you select **1YES**, press the menu/mute button. **HOLD BASE PAGE WAIT FOR BEEP** shows in the display. (Your handset should be held near the base during registration process.)
- Press and hold the page button on the base unit until the charge/in use indicator flashes. You will hear a confirmation tone and **HANDSET X REGISTERED** shows in the handset display, where X is the handset number. 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

**This feature allows you to remove a registered handset from base. During the de-registration process, keep the handset near the base.**

**From the Handset Setup Menu:**

- Press the cid/vol (▼ or ▲) button to scroll to the **DEREGISTRATION** sub-menu.
- Press the menu/mute button to enter the menu. **DEREGISTRATION 1YES ▶ 2NO** shows in the display. The default setting is "2NO".
- Use the touch-tone pad to select **1** for **YES** or **2** for **NO**. Or use the cid/vol (▼ or ▲) button to scroll to **1YES** or **2NO**.

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

- Select **NO**, if you do not want to de-register.
- If you select **1YES**, press the menu/mute button and **MOVE NEAR TO BASE** displays for 2 seconds, then **CONFIRM? 1YES 2NO** appears in the display.
- Press the touch-tone pad to select **1YES** or **2NO**, or use the cid/vol (▼ or ▲) button to scroll to **1YES** or **2NO**.
- If you select **YES**, press the menu/mute button to confirm. **DE-REGISTER...** shows in the display. You will hear a confirmation tone. Then **HANDSET X DEREGISTERED** shows in the display to confirm the handset is deregistered.

**NOTE: When you complete the de-registration process, 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 becomes lost, you should de-register all handsets to ensure proper system operation. Follow the steps below to de-register all handsets at the same time.

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

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

### Default Setting

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

**From the Handset Setup Menu:**

- Press the cid/vol (▼ or ▲) button to scroll to the **DEFAULT SETTING** sub-menu.
- Press the menu/mute button to enter the menu. **DEFAULT SETTING 1YES 2NO** shows in the display. The default setting is "2NO".
- Use the touch-tone pad to select **1YES** or **2NO**, or use the cid/vol (▼ or ▲) button to move the cursor to **1YES** or **2NO**.
- Press the menu/mute button to save your selection. You will hear a confirmation tone.

## Telephone Operation

### Visual Indicators

#### Charge/In use Indicator on 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.

## Making a Call

- Press the talk/end. Dial the desired number.
  - OR-Dial the number first, then press the talk/end button.
  - OR-Press the cid/vol (▼ or ▲) button to select the desired record, then press the talk/end button.
- When finished, press the talk/end button to hang up.

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

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

### Answering Calls

- When the phone rings, press the talk/end button on the handset.
  - OR-Pick up the handset and press the talk/end button.
- When finished, press talk/end to hang up.

**NOTE: Adjust the handset volume by pressing the cid/vol (▼ or ▲) button during a call.**

### Call Timer

After you press the talk/end 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 HI/LOW/OFF (Shortcut)

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

- Make sure the phone is **OFF** (not in talk mode).
- Press the #pause/ringer button to display **SET RINGER 1HI 2LOW 3OFF**.
- Use the touch tone pad on the handset to select 1, 2 or 3, or use the cid/vol (▼ or ▲) button to scroll to your selection. **HI** is the default setting.
- 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/exit button on the handset, and your original call is put on hold.
- To switch between the two calls, press the flash/exit button.

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

### Last Number Redial

You may redial a number up to 32 digits long. To quickly redial the last number you dialed:

- Press the talk/end button.
- Press the redial/format/conf button.
  - OR-
- Press the redial/format/conf button first, then use the cid/vol (▼ or ▲) button to select the desired redial number.
  - Press the cid/vol (▲) to review the oldest call and scroll toward the most recent calls (higher numbers).
  - Press the cid/vol (▼) to review the newest call and scroll to older calls (lower numbers).

**NOTE: You may choose from three last dialed numbers.**

- Press the talk/end button. The number dials automatically.
- If you get a busy signal and want to keep dialing the number, press the redial button to quickly redial the number.

### Exit

Press the flash/exit button to exit a menu function and return to the standby screen.

### Page

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

### Handset to Handset Paging (applicable only with additional handsets)

- Make sure the phone is **OFF** (not in talk mode).
- Press and release the delete/int button on a handset. **PAGING EXTENSION?** shows in the display.
- Use the touch-tone pad to enter the handset number you want to page.
- To cancel the page, press the flash/exit, delete/int, or talk/end button on the originating handset, or press the flash/exit button on the receiving handset.

### Paging All Handsets from a Handset (applicable only with additional handsets)

- Make sure the originating phone is **OFF** (not in talk mode).
- Press and release the delete/int button on a handset. **PAGING EXTENSION?** shows in the display.
- Use the touch-tone pad to enter the handset number you want to page. (1= to page Handset 1, 2=to page handset 2, etc., and 5=to page all handsets)
- To cancel the page, press the flash/exit, delete/int, or talk/end button on the originating handset, or press the flash/exit button on the receiving handset.

### Paging from the Base/Group Page

- Use the base-only to page all registered handsets at the same time.
- Press the page button on the base. All handsets beep for two minutes, and **PAGING FROM BASE** shows on each handset's display.
- To cancel the page, press the page button on the base, or press the talk/end button or the flash/exit button on each handset.

### Mute

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

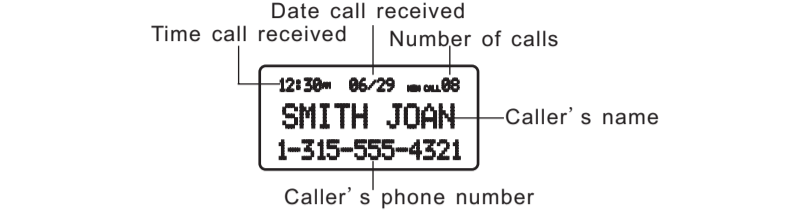
- Press the menu/mute button. The handset display shows **MUTE ON**.
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## Caller ID (CID)

**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/exit button to put the current call on hold and answer the incoming call. Press flash/exit again 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 **NEW** in the display. Calls that have not been previously reviewed but were received from the same number more than once show as **REPT** 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:

- Make sure the phone is **OFF** (not in talk mode).
- Press the cid/vol (▼) button to review the newest CID record.
- Press the cid/vol (▲) button to review the oldest CID record first.

### Dialing a CID Number

- Make sure the phone is **OFF** (not in TALK mode).
- Use the cid/vol (▼ or ▲) button to display the desired record.
- Press the talk/end 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/conf button to adjust the number, and try again.

Available formats include:

<i>Number of digits</i>	<i>Explanation</i>	<i>Example</i>
<b>Eleven digits</b>	long distance code "1" +3-digit area code +7-digit telephone number.	1-317-888-8888
<b>Ten digits</b>	3-digit area code + 7-digit telephone number.	317-888-8888
<b>Seven digits</b>	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.

- Make sure the phone is **OFF** (not in talk mode).
- Use the cid/vol (▼ or ▲) button to scroll to the desired CID record.
- Press the phonebook button to display **SELECT MEMORY 01-50**.
- Use the touch-tone pad to enter a memory location to store the number in that memory location. You will hear a confirmation tone.

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

**NOTE:** Press the flash/exit 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**.

### To Replace a Stored CID Record

- Repeat steps 1 through 3 in Storing CID Records in Internal Memory. After you enter the memory location, **REPLACE MEMO?** shows in the display.
- Press the phonebook button again, and the new CID record replaces the old memory in that location. You will hear a confirmation tone.

### Deleting a CID Record

- Make sure the phone is **OFF** (not in TALK mode).
- Use the cid/vol (▼ or ▲) button to display the CID record you want to delete.
- Press the delete/nt button. The display shows **DELETE CALL ID?**
- Press the delete/nt button to erase the record showing in the display. The display shows **DELETED**.

**NOTE:** Press the flash/exit button to return to the standby mode without deleting any CID records.

### Deleting All CID Records

- Make sure the phone is **OFF** (not in TALK mode).
- Use the cid/vol (▼ or ▲) button to display any Caller ID record.
- Press and hold the delete/nt button until **DELETE ALL?** shows in the display.
- Press delete/nt button to erase all of the current CID records. The display shows **DELETED** followed by **NO CALLS**.

**NOTE:** Press the flash/exit button to return to the standby mode without deleting any CID records.

## Memory

Each handset can store up to fifty 20-digit numbers with up to 15-character names in memory for quick dialing. This memory feature is in addition to the CID memory log, which stores up to 40 CID records in each handset.

### Storing a Name and Number in Phonebook

- Make sure the phone is **OFF** (not in talk mode).
- Press the phonebook button to display **SELECT MEMORY 01-50**.
- Press the desired memory location button (01 through 50) or use the cid/vol (▼ or ▲) button to scroll to desired the memory location.

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

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

**NOTE:** If you make a mistake press the delete/nt button to backspace and erase the wrong character(s) or number(s).
- Press the phonebook button to confirm and save the record. The display shows **ENTER TEL NUMBR**.
- Use the touch-tone pad to enter the telephone number (up to 20 digits, including pauses (press #pause/ringer button), and press the phonebook button again to save the record. The unit beeps to confirm.

**NOTE:** The system treats PAUSES as delays or spaces in the dialing sequence.
- To enter another name and number in a different memory location, return to step 2 and repeat the process.

### Storing the Last Number Dialed

You may transfer all three redial numbers to internal user memory.

- Make sure the phone in **OFF** (not in TALK mode).
- Press redial button to display the most recent redial number.
- Use the cid/vol (▼ or ▲) button to scroll to desired redial number.
- Press phonebook button to display **SELECT MEMORY 01 - 50**.
- Use touch-tone pad to enter two digit desired memory location (01 through 50). Display will show **ENTER NAME**.
- Follow step 5 in the "Storing a Name and Number in Phonebook" section to enter name.

**NOTE:** If the memory location is occupied, **REPLACE MEMO?** is displayed, and you must confirm replacement by pressing the phonebook button.
- Press phonebook button to save.
- To enter another name and number in a different memory location, return to step 2 and repeat the process.

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

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

Press the #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.

### Reviewing Records Stored in Phonebook

- Make sure the phone is **OFF** (not in talk mode).
- Press the phonebook button to display **SELECT MEMORY 01-50**.
- Press the cid/vol (▼ or ▲) buttons to scroll the records, or use the handset's touch-tone pad to enter the memory location number.

### Changing Records Stored in Phonebook

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

### Deleting Records Stored in Phonebook

- Make sure the phone is **OFF** (not in talk mode).
- Press the phonebook button to display **SELECT MEMORY 01-50**.
- Press the cid/vol (▼ or ▲) button to scroll to the record you want to delete or use the touch-tone pad to enter the desired memory location.
- Press the delete/nt button to mark the record for deletion. The display shows **DELETE?**
- Press the delete/nt button to delete the record. **DELETED** shows in the display.

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

### Dialing a Number from Phonebook

- Make sure the phone is **ON** (in talk mode) by pressing the talk/end button.
- Press the phonebook button to display **MEMO # -**.
- Use the touch tone pad to enter the memory location number. The number dials automatically.

-OR-

- Make sure the phone is **OFF** (not in talk mode).
- Press the phonebook button to display **SELECT MEMORY 01-50**.
- Press the memory location for the phone number you want to dial, or use the cid/vol (▼ or ▲) button to scroll to the number you want to dial.
- Press the talk/end button. The number dials automatically.

### Chain Dialing from Memory

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

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

- Make sure the phone is **ON** (in talk mode) by pressing the talk/end button.
- Press the phonebook button, and then press 07.
- When you hear the access tone, press the phonebook button, and then press 08.
- At the next access tone, press the phonebook button and then 09.

## Changing the Battery

**⚠ CAUTION: To reduce the risk of fire or personal injury, use only the Thomson Inc. approved model 5-2721 Nickel-metal Hydride battery (Ni-MH), which is compatible with this unit.**

- Make sure the telephone is **OFF** (not in TALK mode) before you replace the battery.
- Remove the battery compartment door.
- Disconnect the cord attached to the battery pack and remove the battery pack from the handset.
- Plug the battery pack cord into the jack inside the compartment
- Put the battery compartment door back on.
- Place handset in the base or handset charge cradle 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.**
- To enter another name and number in a different memory location, return to step 2 and repeat the process.

## 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 Thomson Inc. 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](http://www.rbrc.org) or call 1-800-8-BATTERY or contact a local recycling center.

## Display Messages

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

<b>BLOCKED NUMBER</b>	Indicates the person is calling from a number which is blocked from transmission.
<b>CHARGING...</b>	Indicates the handset needs to charge for a period of time before it can resume normal function.
<b>DELETE ALL?</b>	Prompt asking if you want to erase all CID records.
<b>DELETE CALL ID?</b>	Prompt asking if you want to erase the CID record showing on the display.
<b>DELETE?</b>	Prompt asking if you want to erase one of the 50 records stored in the phone's memory.
<b>END OF LIST</b>	Indicates that there is no additional information in CID memory.
<b>ENTER NAME</b>	Prompt telling you to enter a name in one of the 50 memory locations.
<b>ENTER TEL NUMBR</b>	Prompt telling you to enter a telephone number in one of the 50 memory locations.
<b>NEW</b>	Indicates call or calls which have not been reviewed.
<b>HANDSET NEEDS REGISTRATION</b>	Indicates you must register a non-registered handset prior to use.
<b>INCOMPLETE DATA</b>	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.
<b>LINE IN USE</b>	Displays on handset while the line is in use.
<b>LONG DISTANCE</b>	Indicates CID record is from a long distance call.
<b>LOW BATTERY</b>	Indicates the battery needs to be charged.
<b>NEW VOICE MAIL</b>	Indicates voice mail has not been retrieved from service provider.
<b>MSG WAITING OFF</b>	Indicates voice mail has been retrieved from service provider.
<b>NEW CALL XX</b>	XX represents the number of new CID records not reviewed.
<b>NO CALLS</b>	Indicates there are no CID records in memory.
<b>OUT OF RANGE</b>	May indicate handset is too far away from the base or that the power has been interrupted. Move closer and check connections.
<b>PAGING or PAGING FROM</b>	Someone pressed the page button on the base or delete/nt button on the handset
<b>REPT</b>	Indicates a repeat call message. Indicates a new call from the same number was received more than once.
<b>SEARCHING</b>	Indicates handset is searching for the base.
<b>UNKNOWN CALLER/ NAME/NUMBER</b>	Indicates incoming call is from an area not serviced by CID or the CID information was not sent.

## Handset Sound Signals

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

## Troubleshooting Guide

### Telephone Solutions

No dial tone

- Check or repeat installation steps:
  - Make sure the base power cord is connected to a working electrical outlet. Make sure the telephone line cord is connected to the base and the wall jack.
- Connect another phone to the same jack. If it doesn't work, the problem might be your wiring or local service.
- The handset may be out of range of the base. Move closer to the base.
- Make sure the battery is properly charged (for 16 hours).
- Make sure the battery pack (in the handset) is properly installed.
- The handset should beep when you press the talk/end button, and the charge indicator on the base should be lit when the handset rests in the cradle. If not, the battery may need to be charged.
  - Place handset in charge cradle for at least 20 seconds to reset the unit.
- Handset does not ring
  - Make sure the handset ringer software switch is set to on.
  - The handset may be out of range of the base. Move closer to the base.
- You may have too many extension phones on your line. Try unplugging some extensions.
- Check for a dial tone.

You experience static, noise, or fading in and out

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

Unit beeps

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

Memory dialing doesn't work

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

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

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

### Caller ID Solutions

No Display

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

Caller ID Error Message

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

No Caller ID

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

### Battery

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

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

## 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 unit working and looking good, follow these guidelines:

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

## Service

If trouble is experienced with this equipment, for repair or warranty information, please contact customer service at **1-800-448-0329**. If warranty information is causing harm to the telephone network, the telephone company may request that you disconnect the equipment until the phone is resolved.

This product may be serviced only by the manufacturer or its authorized service agents. Changes or modifications not expressly approved by Thomson Inc. could void the user's authority to operate this product. For instructions on how to obtain service, refer to the warranty included in this guide or call customer service at **1-800-448-0329**.

Or refer inquiries to:

**Thomson Inc.**  
**11721 B Alameda Ave.**  
**Socorro, Texas 79927**  
**Indianapolis, IN 46206**

Attach your sales receipt to the booklet for future reference or jot down the date this product was purchased or received as a gift. This information will be valuable if service should be required during the warranty period.

Unit beeps \_\_\_\_\_

Purchase date \_\_\_\_\_

Name of store \_\_\_\_\_

## Limited Warranty

**What your warranty covers:**

- Defects in materials or workmanship.

**For how long after your purchase:**

- One year, from date of purchase. (The warranty period for rental units begins with the first rental or 45 days from date of shipment to the rental firm, whichever comes first.)

**What we will do:**

- Provide you with a new or, at our option, a refurbished unit. The exchange unit is under warranty for the remainder of the original product's warranty period.

**How you get service:**

- Properly pack your unit. Include any cables, etc., which were originally provided with the product. We recommend using the original carton and packing materials.

\*"Proof of purchase in the form of a bill of sale or receipted invoice which is evidence that the product is within the warranty period, must be presented to obtain warranty service." For rental firms, proof of first rental is also required. Also print your name and address and a description of the defect. Send via standard UPS or its equivalent to:

**Thomson Inc.**  
**11721 B Alameda Ave.**  
**Socorro, Texas 79927**

- Pay any charges billed to you by the Exchange Center for service not covered by the warranty.

- Insure your shipment for loss or damage. Thomson Inc. accepts no liability in case of damage or loss.

- A new or refurbished unit will be shipped to you freight prepaid.

**What your warranty does not cover:**

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

**Product Registration:**

- Please complete and mail the Product Registration Card packed with your unit. It will make it easier to contact you should it ever be necessary. The return of the card is not required for warranty coverage.

**Limitation of Warranty:**

- The warranty stated above is the only warranty applicable to this product. All other warranties, express or implied (including all implied warranties of merchantability or fitness for a particular purpose) are hereby disclaimed. No verbal or written information given by Thomson Inc., its agents, or employees shall create a guaranty or in any way increase the scope of this warranty.

- Repair or replacement as provided under this warranty is the exclusive remedy of the consumer. Thomson Inc. shall not be liable for incidental or consequential damages resulting from the use of this product or arising out of any breach of any express or implied warranty on this product. This disclaimer of warranties and limited warranty are governed by the laws of the state of Indiana. Except to the extent prohibited by applicable law, any implied warranty of merchantability or fitness for a particular purpose on this product is limited to the applicable warranty period set forth above.

**How state law relates to this warranty:**

- Some states do not allow the exclusion nor limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts so the above limitations or exclusions may not apply to you.
- This warranty gives you specific legal rights, and you also may have other rights that vary from state to state.

**If you purchased your product outside the USA:**

- This warranty does not apply. Contact your dealer for warranty information.

## Accessory Information

DESCRIPTION	MODEL NO.
Handset Replacement Battery	5-2721
AC Power converter	5-2759
Handset charge cradle	5-2773

To place order, have your Visa, MasterCard, or Discover Card ready and call toll-free **1-800-338-0376**. A shipping and handling fee will be charged upon ordering. We are required by law to collect appropriate sales tax for each individual state, county, and locality to which the merchandise is being sent. Items are subject to availability. Prices are subject to change without notice.



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