

# Model 27980 2.4 GHz Cordless Bedroom Phone™ User's Guide



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)

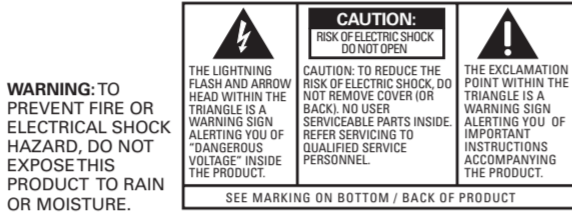
This telephone system meets FCC standards for Hearing Aid Compatibility.

## 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

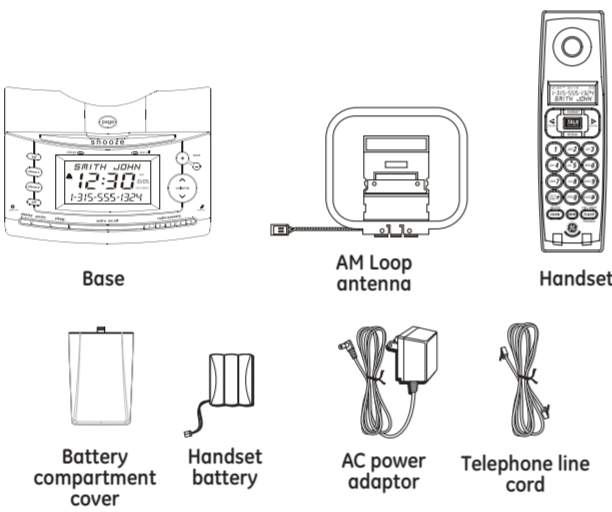
**CAUTION:** When using telephone equipment, there are basic safety instructions that should always be followed. Refer to the IMPORTANT SAFETY INSTRUCTIONS provided with this product and save them for future reference.

**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

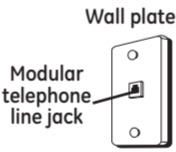
### Parts Checklist

Make sure your package includes the following items:



## 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.



## 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.

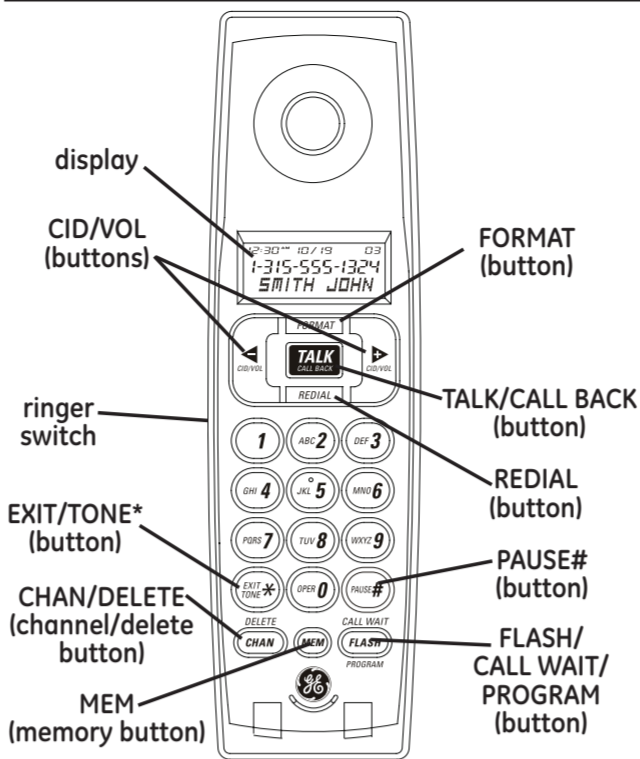
When you place the handset in the base, the unit verifies its security code. After a power outage or battery replacement, you should place the handset in the base for about 20 seconds to reset the code.

**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 oven, 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.**

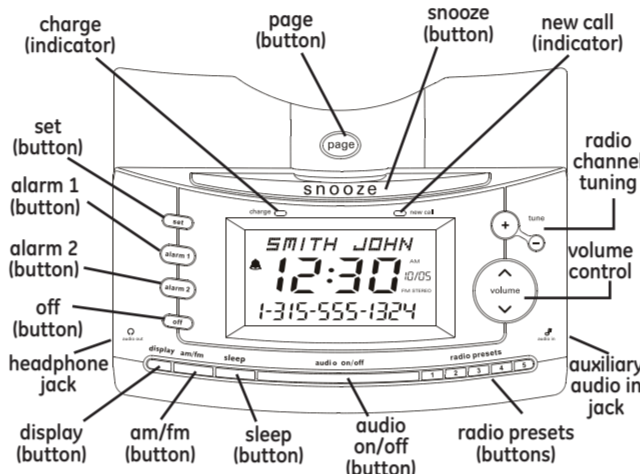
## Important Installation Guidelines

- 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

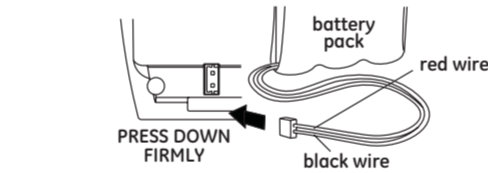
### Installing the Handset Battery

**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 Nickel-metal Hydride battery model 5-2705 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: It is important to maintain the polarity (black and red wires) to the jack inside the compartment. To ensure proper battery installation, the connector is keyed and can be inserted only one way.**



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

### Connecting the Telephone Line

Choose the best location to install your telephone. Your telephone should be placed on a level surface, such as a desk or table top.

1. Plug one end of the straight telephone line cord into the PHONE LINE Jack on the base.
2. Plug the other end into a wall jack.
3. Set the RINGER switch on the handset to **ON** and place the handset in the cradle on the base.

**NOTE: The charge indicator (on the base) turns on when the handset is on the cradle, to signal the battery is charging.**

### Connecting the Electrical Power

1. Plug one end of the power adaptor cord into the back of the base.
2. Plug the other end into an electrical outlet.

**CAUTION:** To reduce risk of personal injury, fire, or damage use only the 5-2608 and/or 5-2769 power adaptor(s) listed in the user's guide. This power adaptor is intended to be correctly orientated in a vertical or floor mount position.

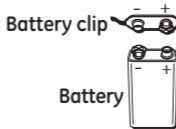
## Battery Backup

This telephone is equipped with a memory holding system powered by a customer-installed 9-volt alkaline battery (not included).

When electrical power is interrupted, or the electrical line is unplugged, the battery operates the clock to retain the time of day and alarm settings in memory. When the unit is running on battery power, the digital display does not light up; however, if wake time occurs during the power interruption, the alarm buzzer sounds (regardless of the type of alarm tone selected) if remaining battery power is adequate. Normal operation resumes after electrical power is restored.

To install the backup battery:

1. Open the battery compartment cover located on the bottom of the base.
2. Connect a fresh 9-volt alkaline battery (not included). Interlock the large and small contacts on the battery clip and the battery. Once connected, place the battery inside the battery compartment.
3. Replace the battery compartment cover.



**NOTE:** Alkaline (NEDA 1604A) batteries are recommended. Carbon-zinc (NEDA 1604) batteries may be used but memory holding time will be substantially reduced. **Memory holding time for a fresh alkaline battery is approximately 3 months (if Wake System is not activated), which should take care of short, nuisance-type AC power failures. To preserve battery life, the phone should remain plugged into an AC electrical outlet. As the battery gets older, its voltage drops and memory may be lost. Be sure to replace the battery periodically. A backup battery is not included with this telephone.**

**NOTE:** If battery is not installed:  
**a) All alarm time setting memory will be lost if the unit is unplugged for more than 60 seconds.**  
**b) The clock will stop running during a power outage period but will start running when power resumes. The clock will blink to indicate that the time may not be correct.**

**IMPORTANT:** If storing this unit for more than 30 days, remove the battery.

## Base Setup

### Real Time

**NOTE:** The telephone company sends the current time and date with the Caller ID (CID) information. If you don't manually set the clock time, the unit automatically sets the time and date when the first call is received.

**NOTE:** Press the set button at any time to skip to the next set up step or press the off button to exit to the main menu.

1. Press and release the set button until **SET REAL TIME** shows in the display.
2. Press and release the tune + or - buttons to set the time in 1 minute increments or press and hold to scroll quickly.
3. Press the set button to save. The unit moves to the month setting.
4. Press and release the tune + or - buttons to set the month in 1 month increments or press and hold to scroll quickly.
5. Press the set button to save. The unit moves to the day setting.
6. Press and release the tune + or - buttons to set the day in 1 day increments or press and hold to scroll quickly.
7. Press the set button to save. **CLK: AUTO ▶ MANU** shows in the display.
8. Use the tune + or - buttons to select **▶ AUTO**.
9. Press the set button to save. **KEYTONE: ▶ ON OFF** shows in the display.
10. Use the tune + or - buttons to select **▶ ON** or **▶ OFF**.
11. Press the set button to save and the unit returns to the main menu.

### Clock Auto Update

If you have manually set the clock, the automatic clock update feature is disabled. To reset the unit so that the clock will be updated at the next incoming call:

1. Press the set button **four times**. **CLK: AUTO ▶ MANU** shows in the display.
2. Use the tune + or - buttons to select **▶ AUTO**.
3. Press the set button to save and the unit advances to the Keytone setting menu.

### Keytone Setting

If you wish to change the keytone setting:

1. Press the off button for 2 seconds.
2. Use the tune + or - buttons to select **▶ ON** or **▶ OFF**.
3. Press the set button to save and the unit returns to the main menu.

### Display Backlight

Use the display button to adjust the display brightness to desired setting; low, medium, or high.

**NOTE: The unit must be connected to an electrical outlet to adjust display brightness.**

## Radio Operation

1. Press and release the audio on/off button to turn the radio on.
2. Press the am/fm button to the select the desired broadcast band.
3. Press the tune + or - button to select a radio station / frequency.
4. Press the volume control to adjust the listening level (1 through 27).
5. To turn the radio off, press and release audio on/off.

### Programming Preset Channels

1. Repeat steps 2 and 3 above.
2. Press and hold a preset channel button (1, 2, 3, 4, or 5) until you hear a beep. The station's frequency shows in the display and is stored on that channel. The default channel is FM 100.9MHZ / AM 520.
3. If desired, repeat step 1 and 2 until all preset channels are programmed.

### Built-in AFC

The built-in Automatic Frequency Control (AFC) works only on FM mode. It helps keep the radio locked onto the FM stations/frequencies. FM stereo is a built-in function.

### AM Antenna

If you want to listen to an AM frequency radio channel, you need to connect the AM loop antenna to the jack on the back of the base.

### FM Antenna

The power cord acts as your FM antenna. The power cord picks up moderate to strong signals and eliminates the need for an external antenna in most strong signal areas. Be sure the power cord is stretched to its longest length. Do not coil or bunch the cord together. Changing position of the power cord may improve reception.

### Headphone Output

If the headphone jack is inserted into the headphone output jack on the base unit, the speaker output will be automatically switched to the headphone terminal.

### Auxiliary Audio-In Jack

When the audio on/off button is turned on and an auxiliary audio-in jack is inserted from an external audio source, the unit automatically switches from broadcast to the external source and **AUXILIARY AUDIO** shows on the display.

When the auxiliary audio-in jack is removed from the unit, the unit will automatically switch off and return to stand-by mode.

**NOTE: To switch between the external audio source and radio mode, press and hold the audio on/off key for 2 seconds.**

## Handset Setup

### Programmable Menus

There are five programmable menus available: Language, Local Area Code, Ringer Tone, Tone/Pulse and Factory Default. When you program these settings, make sure the phone is **OFF** (not in talk mode). Pressing the EXIT/TONE\* button will remove you from the menu selection process without changing the feature you are in.

### Display Language

1. Press the FLASH/CALL WAIT/PROGRAM button until **1ENG 2FRA 3ESP** shows in the display.
2. Use the CID/VOL (◀ or ▶) button or the handset number pad to select 1 (English), 2 (French), or 3 (Spanish). The default setting is **1ENG**.
3. Press the FLASH/CALL WAIT/PROGRAM button to save and to advance to the next menu feature.

### Local Area Code

If you enter your local 3-digit area code in the area code menu, your local area code does not display on the Caller ID (CID) list. Instead, you only see the local 7-digit number. Calls received from outside your local area code will display the full 10-digit number.

1. Press the FLASH/CALL WAIT/PROGRAM button until **AREA CODE - - -** shows in the display.
2. Use the handset number pad to enter your 3-digit area code. The default setting is **- - -**.  
**NOTE: If you make a mistake, press the CHAN/DELETE button to erase the incorrect area code and repeat step 2.**
3. Press the FLASH/CALL WAIT/PROGRAM button to save and to advance to the next menu feature.

### Ringer Tone

1. Press the FLASH/CALL WAIT/PROGRAM button until **RINGER TONE** shows in the display.
2. Use the CID/VOL (◀ or ▶) button or the handset number pad (1-3) to enter your selection from Ringer Tone 1, 2, or 3. The default setting is **RINGER TONE 1**.
3. Press the FLASH/CALL WAIT/PROGRAM button to save and to advance to the next menu feature.

### Tone/Pulse

1. Press the FLASH/CALL WAIT/PROGRAM button until **1 TONE 2 PULSE** shows in the display.
2. Use the CID/VOL (◀ or ▶) button or the handset number pad to enter your selection. The default setting is **1 TONE**.
3. Press the FLASH/CALL WAIT/PROGRAM button to save and to advance to the next menu feature.

### Factory Default

This feature allows you to restore the handset's original features.

1. Press the FLASH/CALL WAIT/PROGRAM button until **DEFAULT** shows in the display.
2. Use the CID/VOL (◀ or ▶) button to switch between **YES** or **NO**. The default setting is **NO**.
3. Press FLASH/CALL WAIT/PROGRAM to save. You will hear a confirmation tone.

## Alarm Setup

**NOTE: Press the off button at any time to exit setup menu and leave settings unchanged.**

### Set Alarm Type

This Bedroom Phone is equipped with two alarms. The alarms can be set independently to either radio or buzzer.

1. Press and hold alarm 1 or alarm 2 button for two seconds. A tone will sound and the current alarm status is displayed.
2. Press the button again to select the desired type of alarm (radio, buzzer or alarm off). The corresponding icon shows in the display. A music note indicates that the alarm is set to radio, a bell indicates that the alarm is set to buzzer.
3. Press the set button to save and confirm setting. **SET ALARM TIME** shows in display. Refer to step 3 of the Set Alarm Time section for further instructions.

- OR -

If no action is taken, unit will exit menu and return to stand-by mode.

### Set Alarm Time

1. Press and hold the alarm 1 or alarm 2 button for two seconds.
2. Press the set button.
3. Use the tune + or - button to set the wake time. Press and hold to quickly increase or decrease the increments.
4. Press the set button to save and confirm setting. **ALARM LENGTH** shows in display. Refer to step 3 of the Set Alarm Time section for further instructions.

- OR -

If no action is taken, unit will exit menu and return to stand-by mode.

### Set Alarm Length

1. Press and hold the alarm 1 or alarm 2 button for two seconds.
2. Press the set button **twice**.
3. Press the tune + or - button to set the length time. Alarm length can be set from 15 minutes to 2 hours.
4. Press the set button to save and confirm setting. The display shows **ALARM 1 (or 2)**, or if in Radio Alarm mode the most recently tuned channel. Refer to step 3 of the Set Radio Alarm Preset Channel section for further instructions.

- OR -

If no action is taken, unit will exit menu and return to stand-by mode.

### Set Radio Alarm Preset Channel

1. Press and hold the alarm 1 or alarm 2 button for two seconds.
2. Press the set button **three times**.
3. Press the tune + or - button to scroll through the preset (1-5) channels to select a channel for the alarm. The frequency shows on the display. If no radio preset button is pressed, the channel for the alarm will be the most recent tuned channel.
4. Press the set button to save and confirm setting. **ALARM 1 (or 2) VOL = XX** shows on the display, **XX** is the most recent selected volume level. Refer to step 3 of the Set Alarm Volume section for further instructions.

- OR -

If no action is taken, unit will exit menu and return to stand-by mode.

### Set Alarm Volume

1. Press and hold the alarm 1 or alarm 2 button for two seconds.
2. Press the set button **four times**.
3. Press volume up or down button to select desired volume level (1 through 27).
4. Press the set button to save and confirm setting and unit will return to idle model.

## Turning Off the Alarms

After the wake mode is activated, to turn off the alarm, press the off, alarm 1, or alarm 2 buttons. The alarm setting is retained and comes on the next day.

**NOTE: If you do not want the alarm to be activated on the next day press and hold the alarm 1, or alarm 2 button while in standby mode, until ALARM1 (or 2) OFF shows in the display.**

### Setting the Snooze Timer

- Press and release the set button.
- Press and release the snooze button. ***SNOOZE TIMER*** shows in the display.
- Press and release the tune + or - button to set the snooze time in 1 minute increments up to 59 minutes or press and hold to scroll through the snooze time settings quickly. (The default is 9 minutes.)
- Press the set button to save the snooze setting.

### Snooze Timer

After the wake mode is activated, you can silence it by pressing the snooze button. You may use the snooze feature repeatedly.

**NOTE: The alarm icon will blink while snooze mode is active.**

### Using the Sleep Timer

Use the sleep timer to play the radio for a desired amount of time (increments of 15 minutes up to two hours), and then have it shut off automatically. The default sleep time is 59 minutes.

- Press the sleep button repeatedly to select the desired sleep timer setting. Each press of the button will decrease the setting by 15 minutes.

- The radio turns on automatically and the timer starts after you've selected the desired setting.

**NOTE: To review the current sleep timer setting, press and release the sleep button.**

- To cancel the sleep timer and turn the radio off, press snooze or audio on/off.

## Telephone Operation

**NOTE: When the handset has picked up the telephone line, *PHONE IN USE* displays on the base unit. Also, if your house has parallel phone connected to the same telephone and when the parallel phone is using the telephone line, *LINE IN USE* displays on the base unit.**

### Making a Call

- Press the TALK/CALL BACK button and dial the desired number.

-OR-

To perform preview dial, dial the number first then press the TALK/CALL BACK button.
- To hang up, press the TALK/CALL BACK button or place the handset in the base cradle.

**IMPORTANT: If the power in your home goes out, the backup battery powers only the base, NOT the phone.**

### Redial

Press the REDIAL button to quickly dial the last number you called (up to 32 digits).

If you get a busy signal, and want to keep dialing the number, press REDIAL to dial the number again.

### Receiving a Call

- To answer a call press the TALK/CALL BACK button on the handset before you begin speaking.
- To hang up, press the TALK/CALL BACK button or place the handset in the base cradle.

**NOTE: The radio will automatically mute to allow ring tone for incoming call or whenever the phone is in use. If desired, press the audio on/off button to unmute radio during a call.**

### Flash

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 the waiting call, press the FLASH/CALL WAIT/PROGRAM button on the handset and your original call is put on hold. You may switch back and forth between the two calls by pressing the FLASH/CALL WAIT/PROGRAM button.

**TIP: Do not use the TALK/CALL BACK button to activate custom calling services such as call waiting, or you'll hang up the phone.**

### Handset Volume

When the TALK/CALL BACK button is depressed to make a call, press the CID/VOL (◀ or ▶) on the handset to adjust the volume of the handset's earpiece. There are four settings. Press the right arrow to increase the volume and left arrow to decrease the volume. You will see the volume setting on the handset display. VOL 4 is the maximum and VOL 1 is the minimum.

### Channel Button

While talking on the phone, you might need to manually change the channel in order to reduce static caused by appliances, such as baby monitors, garage door openers, microwave ovens, or other cordless phones. Press and release the CHAN/DELETE button to move to the next clear channel.

### Temporary Tone

This feature is useful only if you have pulse (rotary) service. Temporary Tone Dialing enables pulse (rotary) service phone users to access touchtone services offered by banks, credit card companies, etc. For example, when you call your bank you may need to enter your bank account number. Temporarily switching to touchtone mode allows you to send your number.

- Dial the telephone number and wait for the line to connect.
- When your call is answered, press the EXIT/TONE\* button on the handset to temporarily change from pulse dialing to tone dialing.
- Follow the automated instructions to get the information you need.
- Hang up the handset and the phone automatically returns to pulse (rotary) dialing mode.

### Exit

Press the EXIT/TONE\* button to cancel any command you initiated.

### Ringer Switch

The RINGER switch must be ON for the handset to ring during incoming calls.

### Paging the Handset

This feature helps to locate a misplaced handset.

Press the page button on the base. The handset will beep for about two minutes or until you press TALK on the handset or press the page button on the base.

**NOTE: You can still page the handset if the ringer is turned off. If the handset battery is dead, the Paging feature will not work.**

## 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.**

Time	Date	Number of calls
<b>10:28 PM</b>	<b>10/20</b>	<b>REPT CALL # 03</b>
<b>317-555-1234</b>		
<b>FREED PAGE</b>		
Caller ID phone number		Caller ID name

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 already on the phone, a beep indicates the presence of a Call Waiting call on the line. Only the handset that is in use at the time of the call will display and store the Call Waiting Caller ID information.

- When you hear the call waiting beep in the handset receiver, press the FLASH/CALL WAIT/PROGRAM button to put the current call on hold and answer the incoming call. Press FLASH/CALL WAIT/PROGRAM 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 Caller ID Records

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

- Make sure the phone is **OFF** (not in TALK mode).
- Press the CID/VOL (◀ ) button to scroll through the call records from the most recent to the oldest.
- Press the CID/VOL (▶ ) button to scroll through the call records from the oldest to the newest.

### Dialing a Caller ID Number

- Make sure the phone is **OFF** (not in TALK mode).
- Use the CID/VOL (◀ or ▶) button to display the desired Caller ID record.
- Press the TALK/CALL BACK button to dial the number.

**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 FORMAT 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).
- Press the CID/VOL (◀ or ▶) button until the desired Caller ID record is displayed.
- Press the MEM button.
- Press a number (0-9) to store the number in that memory location. You will hear a confirmation tone. Example, press the number 1 key to store the record in memory location 1.

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

**NOTE: Press the EXIT/TONE\* 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 4 in Storing CID Records in Internal Memory. After you enter the memory location, ***REPLACE MEMO?*** shows in the display.
- Press the MEM button again, and the new Caller ID 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 CHAN/DELETE. The display shows ***DELETE CALL ID?***
- Press CHAN/DELETE again to erase the record and the next Caller ID record shows in the display. You will hear a confirmation tone.

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

## 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 CHAN/DELETE button until unit beeps ***DELETE ALL?*** shows in the display.
- Press CHAN/DELETE again to erase all records. You will hear a confirmation tone. The display shows ***NO CALLS.***

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

## Memory

Store up to ten 24-digit numbers in memory for quick dialing. This memory feature is in addition to the 40 Caller ID records that can be stored in memory.

## Storing a Name and Number in Memory

- Make sure the phone is **OFF** (not in TALK mode).
- Press the MEM button.
- Press a number (0-9) to store the dialed number in that memory location. If the memory location is occupied, the memory location and stored name and number appear on the screen.

**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 MEM button again. The display shows ***ENTER NAME.***

**NOTE: If you don't want to enter the name, skip step 5.**
- Use the handset number keypad to enter a name (up to 15 characters). More than one letter is stored in each of the number keys. For example, to enter Bill Smith, press the 2 key twice for the letter B. Press the 4 key 3 times for the letter l. Press the 5 key 3 times for the letter L, and wait for 1 second. Press the 5 key 3 times for the second letter L, and press the 1 key to insert a space between the first and last name. Press the 7 key 4 times for the letter S; press the 6 key once for the letter M; press the 4 key 3 times for the letter l; 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 CHAN/DELETE button to backspace and erase the wrong character(s) or number(s).**

- Press the MEM button again to save the name. The display shows ***ENTER TEL NUMBR.***
- Use the touch-tone pad to enter the telephone number you want to store (up to 24 digits).

**NOTE: The system treats PAUSES as delays or spaces in the dialing sequence.**
- Press MEM again to store the number. You will hear a confirmation tone.

## Storing the Last Number Dialed

- Repeat steps 1 through 6 in Storing a Name and Number in Memory.
- Press the REDIAL button.
- Press the MEM button to store the number. You will hear a confirmation tone.
- Press the MEM button to store the number. You will hear a confirmation tone.
- Repeat steps 1 through 6 in Storing a Name and Number in Memory.
- Press the REDIAL button.
- Press the MEM button to store the number. You will hear a confirmation tone.
- Press the MEM button again to replace the old number with the new number. You will hear a confirmation tone.

### Inserting a Pause in the Dialing Sequence

Press and hold the PAUSE# button for two seconds to insert a delay in the dialing sequence of a stored telephone number. 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). A pause shows on the display as a P. Each pause counts as 1 digit in the dialing sequence. If you need a longer pause, press and hold the PAUSE# button for two seconds, release and repeat.

## Changing a Stored Number

- Repeat steps 1 through 7 in Storing a Name and Number in Memory. ***REPLACE MEMO?*** shows in the display.
- Press the MEM button to store the number. You will hear a confirmation tone.

## Reviewing and Deleting Stored Numbers

- Press the MEM button.
- Use the CID/VOL (◀ or ▶) button to scroll to the desired memory location or press the desired memory location (0-9).
- While the entry is displayed, press the CHAN/DELETE button to delete the entry. The display shows ***DELETE?***
- Press CHAN/DELETE again to confirm. The display shows ***DELETED.*** You will hear a confirmation tone.

### Dialing a Stored Number

- Make sure the phone is **ON** by pressing the TALK/CALL BACK button.
- Press the MEM button.
- Press the number (0-9) for the desired memory location. The number dials automatically.

- Make sure the phone is **OFF** (not in TALK mode).
- Press the MEM button.
- Use the CID/VOL (◀ or ▶) button to scroll through the numbers stored in memory until the desired number is shown.
- Press TALK/CALL BACK. The number dials automatically.

### Chain Dialing from Memory

Use this feature to make calls which require a sequence of numbers, such as using a calling card for a frequently called long distance number. You simply dial each part of the number sequence from memory. The following example shows how you can 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** by pressing the TALK/CALL BACK button.
- Press the MEM button and then press the 7 key.
- When you hear the access tone, press MEM again and then press the 8 key.
- At the next access tone, press MEM and then the 9 key.

**TIP: Wait for the access tones before pressing the MEM button, or your call may not go through.**

## Changing the Handset Battery

**CAUTION: To reduce the risk of fire or personal injury, use only the Thomson Inc. approved Nickel-metal Hydride battery model 5-2705 that is compatible with this unit.**

- Make sure the telephone is **OFF** (not in TALK mode) before you replace battery.
- Remove the battery compartment door.
- Disconnect the battery plug from the jack inside the battery compartment and remove the battery pack from the handset.
- Insert the new battery pack and connect the cord to the jack inside the battery compartment.
- Put the battery compartment door back on.
- 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.

**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 and Caller ID Messages

The following indicators show the status of a message or of the unit.

<b>BLOCKED CALL</b>	The person is calling from a number that has been blocked from transmission.
<b>BLOCKED NAME</b>	The persons name is blocked from transmission.
<b>BLOCKED NUMBER</b>	The person is calling from a number that has been blocked from transmission.
<b>CALL WAITING</b>	Indicates a call is waiting on the line.
<b>DELETE ALL?</b>	Prompt asking if you want to erase all Caller ID records.
<b>DELETE CALL ID?</b>	Prompt asking if you want to erase a Caller ID record.
<b>DELETED</b>	Prompt confirming the Caller ID record is erased.
<b>EMPTY</b>	Indicates a memory location is vacant.
<b>END OF LIST</b>	Indicates that there is no additional information in Caller ID memory.
<b>ENTER NAME</b>	Prompt telling you to enter the name for one of the 10 memory locations.
<b>ENTER TEL NUMBR</b>	Prompt telling you to enter the telephone number for one of the 10 memory locations.
<b>INCOMPLETE DATA</b>	Caller information has been interrupted during transmission or the phone line is excessively noisy.
<b>LOW BATTERY</b>	Indicates the battery pack needs charged.
<b>NEW</b>	Indicates call or calls have not been reviewed.
<b>NO CALLS</b>	Indicates no calls have been received.
<b>NO DATA</b>	No Caller ID information was received.
<b>PAGING</b>	The PAGE button has been pressed on the base.
<b>PRESS TALK KEY</b>	Indicates the CID number is a Direct Dial Number (DDN) and cannot be formatted.
<b>REPT</b>	Repeat call message. Indicates that a new call from the same number was received more than once.
<b>UNKNOWN NAME/ CALLER/NUMBER</b>	The incoming call is from an area not serviced by Caller ID or the information was not sent.

## Handset Sound Signals

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

# Troubleshooting Guide

## Cordless Phone Solutions

No dial tone

- Check installation:
  - Make sure the base power cord is connected to a working electrical outlet.
  - Make sure the telephone line cord is connected to the base unit and the wall phone jack.
- Connect another phone to the same modular jack; if the second phone doesn't work, the problem might be with 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).
- Ensure the battery pack is installed correctly.
- Did the handset beep when you pressed the TALK/CALL BACK button? Did the charge/in use indicator come on? The battery may need to be charged.
- Place the handset in the base for at least 20 seconds.

Handset does not ring

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

You experience static, noise, or fading in and out

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

Unit beeps

- Place handset in base for 20 seconds; if it still beeps, charge battery for 16 hours.
- Clean the charging contacts on handset and base with a soft cloth.
- See solutions for "No dial tone."
- Replace the battery.

Memory Dialing doesn't work

- Make sure you programmed the memory location keys correctly.
- Did you follow proper dialing sequence?

Phone dials in pulse with tone service

- Make sure phone is in tone dialing mode.

Phone won't dial out with pulse service

- Make sure phone is in pulse dialing mode.

## Caller ID Solutions

No Display

- The battery must be fully charged. Try replacing the battery.
- Make sure that the unit is connected to a non-switched electrical outlet. Disconnect the unit from the wall and plug it in again.
- You must be subscribed to Caller ID service from your local telephone company in order to receive Caller ID records.

Caller ID Error Message
<ul style="list-style-type: none"><li>The unit displays this message if it detects anything other than valid Caller ID information during the silent period after the first ring. This message indicates either the presence of noise on the line, or that an invalid message has been sent from the telephone company.</li></ul>

## 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 and 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.

## Service

If trouble is experienced with this equipment, for repair or warranty information, please contact customer service at **1-800-448-0329**. If the equipment is causing harm to the telephone network, the telephone company may request that you disconnect the equipment until the problem 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.
Manager, Consumer Relations
P O Box 1976
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.

## 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,

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