QUALCOMM®

QUALCOMM Globalstar GSP-1600 Tri-Mode Phone User Guide

Globalstar

This guide is based on the production version of the QUALCOMM Globalstar
GSP-1600 Tri-Mode Phone. Software changes may have occurred after this printing.

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Warning

Only use the batteries, antennas, and chargers provided by QUALCOMM. The use of any other type may be dangerous.

Warning

Allow only authorized personnel to service the phone and its accessories. Unauthorized service can invalidate the warranty.

Caution

Any changes or modifications to this equipment not expressly approved in this document could void your warranty and your authority to operate this equipment.

Caution

Avoid exposing the phone and accessories to rain or other liquids. If the phone gets wet, turn the power off immediately and remove the battery pack. See Battery Care and Maintenance, page 53, for more information.

Note

When using the QUALCOMM Globalstar Tri-Mode Phone near a television or radio, the phone can cause interference. Regulatory agencies in your area, such as the United States Federal Communications Commission (FCC) or Canadian Industry Canada (IC), can require you to stop using the phone if such interference cannot be eliminated. If you need assistance, contact your satellite or cellular service provider.

Contents

It is *very* important that you read this section because your tri-mode phone is unique – it combines satellite technology and cellular technology in one phone. For more detailed information on usage, refer to the other sections in this guide. If you need further assistance, see Solving problems, page 1.

Understanding your phone

Consider your phone as "two phones in one" because it requires operation in two distinct ways to make and receive two different types of calls:

■ Satellite calls – Calls made via satellite. This is known as Globalstar satellite mode.

■ Cellular calls – Calls made by cellular phone technology. There are two cellular modes: digital mode and analog mode.

📝 **Tip**

The calling mode has probably been preset on your phone. To view or change the current setting, set your mode preference (see Auto Mode, page 50) so the mode is automatically selected when you turn your phone on (see Manual Mode, page 49).

Contacting customer service

You may have different service providers for Globalstar satellite service and cellular service. Contact the appropriate service provider for customer service.

Solving problems

If you have problems using your phone, see Troubleshooting, page 63. If you still have trouble, contact your satellite or cellular service provider.

Understanding this guide

These conventions or representations are used in this guide:

Type of Action	Example	Action
Key Presses	Press (Pwr).	Press key briefly.
	Press and hold (Pwr).	Press key for more than one second.
Using SMART KEYS™	Press ⬆ **book**.	Press the SMART KEY ⬆ under the appropriate word on the screen.
Scrolling	Scroll to select "yes" or "no."	Press either the volume buttons on the side of the phone or ⟨* ↑⟩ and ⟨↓ #⟩.

Preparing for satellite calls

- If the security module is not properly installed, you can only make calls to emergency numbers and you cannot receive calls. Your satellite service provider installs and maintains the security module (see Security module, page 8, for more information).

- Charge and properly install the battery. See Battery Care and Maintenance, page 53.

- Rotate the Globalstar satellite antenna located on the back of the phone (see Phone features and keypad, page 5). You **do not** need to push or pull the antenna because it automatically extends as you rotate it and automatically retracts when stored.
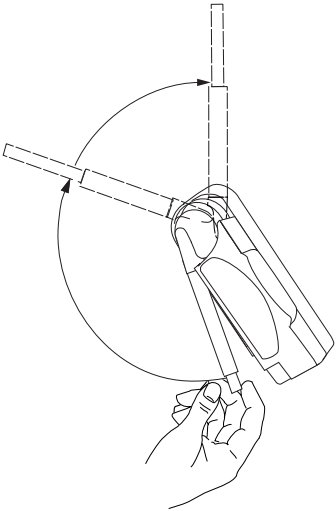
- Move the antenna to its optimal position (pointing straight up to the sky) until it sets into one of two positions. You cannot make or receive a satellite call with the Globalstar satellite antenna stored.

Right   Left

Correct   Incorrect
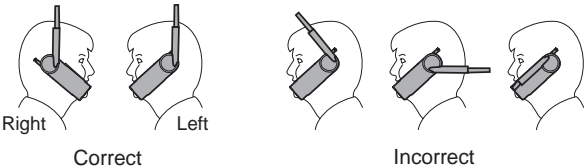
■ Position yourself outdoors so that your view of the sky is clear to prevent dropped calls. For best performance, move away from tall obstacles such as buildings or trees. If you have a clear view of the sky, the satellites will have a clear view of you and the phone. The phone will *not* operate inside a building nor a vehicle unless you are using the car kit.

Correct   Incorrect

Incorrect

Incorrect without car kit
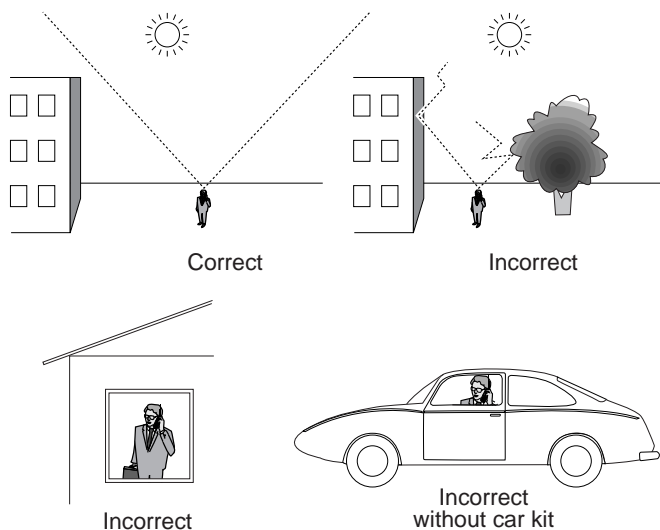
Making satellite calls

1. Rotate the satellite antenna (see Preparing for satellite calls, page 2).
2. Press and hold (Pwr) to turn your phone on.
3. If your phone is in cellular mode, select Globalstar satellite mode by pressing and holding (* ↑) to display the mode menu. Then press (abc 2) for Globalstar.
4. Enter the phone number that you want to call. To make international calls, see International dialing, page 11.

Note

When using the keypad or viewing the screen in Globalstar satellite mode, keep the antenna pointing up to maintain service.

5. Press (SEND). A message displays if the phone is locked, if the phone number is restricted, or if there is another problem.

Making cellular calls

1. Press and hold (Pwr) to turn your phone on.
2. If your phone is in Globalstar satellite mode, select digital or analog mode by pressing and holding (* ↑) to display the mode menu. Then press either (def 3) for Digital or (ghi 4) for Analog.
3. Fully extend the cellular antenna.
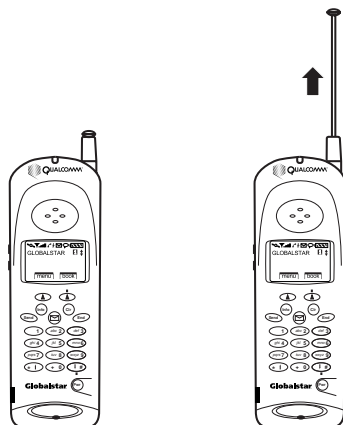
4. Enter the phone number that you want to call.
5. Press (SEND). A message displays if the phone is locked, if the phone number is restricted, or if there is another problem.

Answering calls

When you receive a call, the phone rings, the indicator light flashes, and "Incoming Call" flashes on the screen until you answer the call.

To answer a call

■ Do one of the following:
  ❑ Press (SEND).
  ❑ From standby mode, press any key except (Pwr) or (END) if Any-Key Answer is set to "on" (see Any-Key Answer, page 43).

Ending calls

■ Press (END). The total time of the call displays.

Displaying your phone number

■ Turn your phone on, and the phone number briefly displays.
■ From standby mode, press (Info).

Learn about these topics in this section:

- Phone features and keypad
- Display indicators
- Security module
- Antenna basics

Phone features and keypad
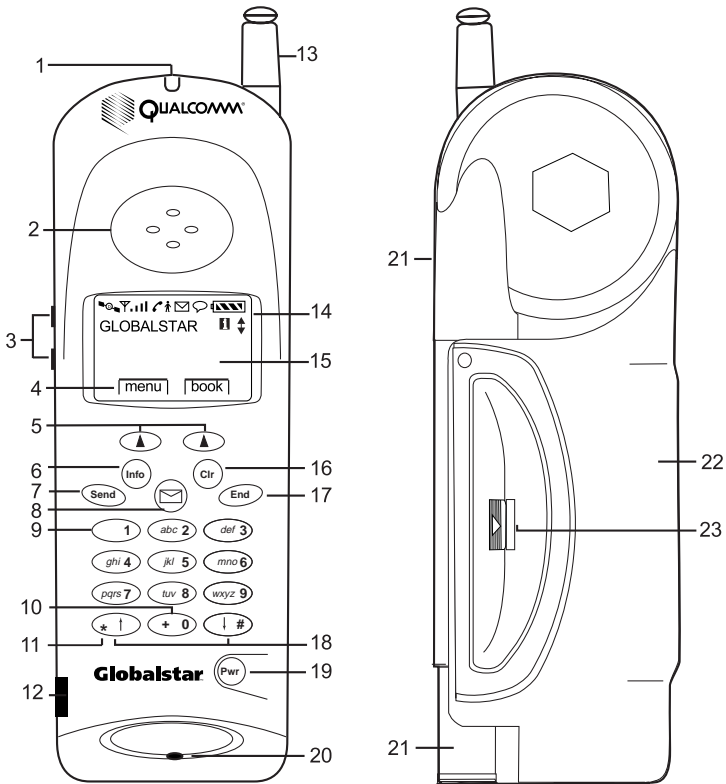
1. **Light indicator** – Flashes when turning phone on or when receiving incoming calls.
2. **Earpiece**
3. **Volume buttons** – Adjust volume levels. Scroll through the menu items if a scroll arrow displays. Move the cursor when editing alphabetic characters or digits.

4. SMART KEY options – Select the option on the screen by pressing the SMART KEY ⬭ below it.

5. SMART KEYS – Press the SMART KEY ⬭ to select the appropriate option on the screen.

6. Information key – Insert pauses and hyphens. Additional help is available if ▉ displays on the screen. Displays phone number and current service provider.

7. Send key – Originate or answer a call. Also used for features such as call waiting.

8. Message key – Access text messages and voice mail notifications. See Messages Menu, page 23.

9. Punctuation key – Add punctuation or spaces when entering letters.

10. International dialing or plus (+) key – Make international calls (see International dialing, page 11).

11. Mode select – Press and hold to manually select Globalstar satellite, digital, analog, or auto mode (see Manual Mode, page 49).

12. Security module – Required to activate phone for Globalstar satellite service (see Security module, page 8).

13. Cellular antenna

14. Display indicators – Show phone and battery status (see Display indicators, page 7).

15. Screen

16. Clear key – Delete characters (see Entering numbers, page 10, and Entering letters and other characters, page 15). Return to previous screen.

17. End key – End a call.

18. Scroll keys – Scroll through menu items if a scroll arrow displays on the screen. Move cursor.

19. Power key – Turn the phone on or off.

20. Microphone

21. Globalstar satellite antenna (see Preparing for satellite calls, page 2).

22. Battery

23. Battery release latch

Display indicators

The indicators on the screen show the status of the phone and the battery charge level at a quick glance.

◄⦿►	Phone operating in Globalstar satellite mode
Ⓓ	Phone operating in digital mode
	Phone operating in analog mode if ◄⦿► or Ⓓ do not display
▽₁ıı	Signal strength ranging from a strong signal (four lines) to an extremely weak signal (one line)
☎	Call in progress
✗	No service available. If service is unavailable, the phone sounds a beep when you try to make a call.
🏃	Roaming for service outside home area
✉	Text message received
◯	Voice mail notification received
▥	Battery charge. Ranges between four diagonal bars (full charge) to one bar (minimal charge) to no bars and blinking (no charge).
▮	Help available; press (Info)
✓	Designates the menu option currently selected
▲ ▼ ↕	Indicates that you can scroll between screens using the volume buttons or (#) and (*)
🔒	Indicates that the text message is locked
🔓	Indicates that the text message is unlocked

7

Security module

The security module activates your phone when in Globalstar satellite mode. It is located on the lower left side of the front of the phone. The security module that comes with your phone works only with that phone and is not interchangeable.

⚠ **Caution**
> **Do not remove the security module.**

When in Globalstar satellite mode, the security module must be properly installed to make or receive calls. If it is not properly installed, you can only make calls to emergency numbers. For more information, contact your satellite service provider, who installs and maintains the security module.

Antenna basics

Phone performance depends on the strength of the signal it receives. As you fully extend the cellular antenna or rotate the Globalstar satellite antenna, the signal strength indicator shows the strength of the signal received in that particular antenna position. You cannot make or receive a satellite call with the Globalstar satellite antenna stored.

It is important to use the antennas properly for the best performance. Follow these guidelines for the Globalstar satellite and cellular antennas:

■ Never hold the phone by the antenna.
■ Do not use the phone if either antenna is damaged, unless you are using it with the car kit.

For more information on how to use the antennas, see Preparing for satellite calls, page 2, and Making cellular calls, page 4.

Learn about these topics in this section:

- Turning the phone on and off
- Standby and power save modes
- Entering numbers
- Making emergency calls, redialing, and muting
- Possible service provider services (international dialing, call waiting, three-way calling, and caller ID)

Turning the phone on

1. Make sure that the battery is charged and properly installed (see Battery chargers, page 54, and Battery replacement, page 55).
2. Press and hold (Pwr) until the indicator light illuminates (about one second). The phone is now in standby mode (see Standby mode, page 9) and starts looking for service. The message that displays on the screen depends on the service mode selected (see Manual Mode, page 49).

Turning the phone off

1. Press and hold (Pwr) until "Powering Off" displays.
2. Release (Pwr).

Note

If you press (Pwr) for less than one second, the phone does not turn off.

Standby mode

After you turn the phone on, it is in standby mode while it looks for and finds service. The following screens show the message that displays when looking for service depending on the service mode selected (see Manual Mode, page 49):

Looking for Globalstar Service.....	Looking for Digital Service...	Looking for Analog Service...
menu book	menu book	menu book
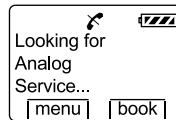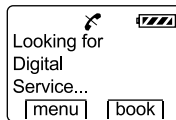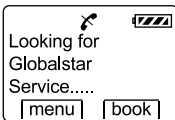
After your phone finds service, your banner, the date and time, and the appropriate icons display.

Note

The date and time may not be available in all modes of service.

Calling Basics

Power save mode

Power save mode maximizes the battery life. Your phone switches to power save mode after repeated attempts to find service. The following message displays when service is not found and your phone is in power save mode:

```
           ⚡      ⊏▨▨▨
Service Not
Found, press
key to retry
  ┌─────┐  ┌──────┐
  │ menu │  │ book │
```

To return to standby mode, press any key. See Deep Sleep, page 44, for more information on setting power save durations.

Entering numbers

To enter numbers

1. From standby mode, enter the numbers.
2. Do one of the following:
    - ■ Press (SEND) to place the call.
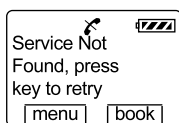   - ■ Press (▲) **save** to save the number in the phone book.

To edit numbers

- ■ Move the cursor by pressing the volume buttons.

📌 Note

You cannot use (* ↑) or (↓ #) to move the cursor when entering or editing numbers because these keys are used to enter # or *.

To delete numbers

- ■ Press (Clr) to delete one previous character at a time.
- ■ Position the cursor over a number (press the volume buttons), and press (Clr) to delete.
- ■ Press and hold (Clr) to delete the entire entry.

Making emergency calls

Locking or restricting the phone does not prevent you from making calls to emergency numbers. Contact your satellite or cellular service provider for emergency numbers.

To make an emergency call

1. Enter the emergency number (for example, 911).
2. Press (SEND).
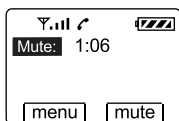
Redialing a call

To redial the last outgoing number

■ Press (SEND).

Muting a call

While you are on a call, you can mute the microphone so that the caller cannot hear you.

To turn mute on

■ Press ⬆ **mute**. The word "Mute" replaces the word "Time" on the screen until you end the call or turn mute off.

```
┌─────────────────────┐
│ Y.ıl ⌀        ▱▱▱▱   │
│ Mute:  1:06         │
│                     │
│                     │
│  ┌──────┐  ┌──────┐ │
│  │ menu │  │ mute │ │
│  └──────┘  └──────┘ │
└─────────────────────┘
```

To turn mute off

■ Press ⬆ **mute**. The word "Time" replaces the word "Mute" on the screen.

Possible service provider services

International dialing

To make international calls in Globalstar satellite mode

1. Enter the international access code, the country code, and the phone number.

    Shortcut: Press and hold ⊕⓪ until a plus (+) displays on the screen, and then enter the country code and phone number.

2. Press (SEND).

If international dialing is supported in your network, contact your satellite service provider for more information.

Call waiting

Call waiting lets you know that you are receiving an incoming call by sounding a beep. For instructions on how to use call waiting, contact your satellite or cellular service provider.

Three-way calling

Three-way calling allows you to talk to two callers the same time. For instructions on how to use three-way calling, contact your satellite or cellular service provider.
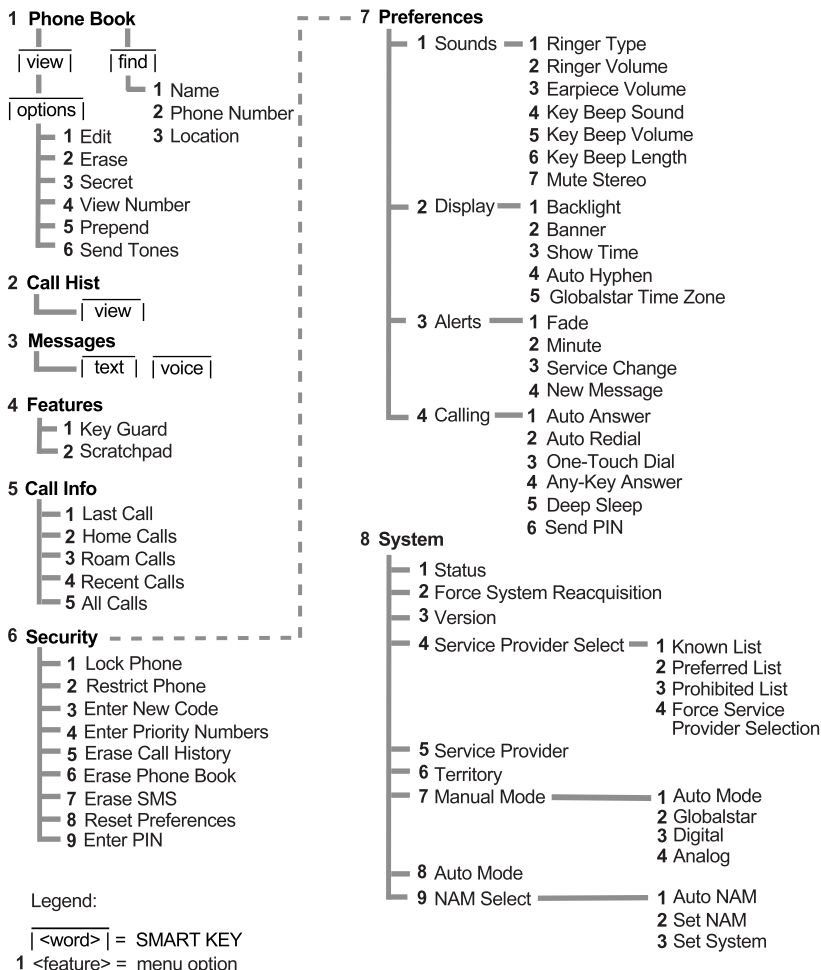
Caller ID

Caller ID displays an incoming call's phone number on the screen, if available. If the phone number of the caller matches one stored in your phone book, the name also displays with the number.

For more information on caller ID, contact your satellite or cellular service provider.

Menu Basics

Learn how to access and navigate through the phone menus in this section.

The phone menus are designed so that you can easily access and navigate through them. The following road map shows the various menus on the main menu, which is accessed by pressing ⟨▲⟩ **menu**.

1 Phone Book
| view | | find |

| options |
    1 Edit
    2 Erase
    3 Secret
    4 View Number
    5 Prepend
    6 Send Tones

    1 Name
    2 Phone Number
    3 Location

2 Call Hist
| view |

3 Messages
| text | | voice |

4 Features
    1 Key Guard
    2 Scratchpad

5 Call Info
    1 Last Call
    2 Home Calls
    3 Roam Calls
    4 Recent Calls
    5 All Calls

6 Security
    1 Lock Phone
    2 Restrict Phone
    3 Enter New Code
    4 Enter Priority Numbers
    5 Erase Call History
    6 Erase Phone Book
    7 Erase SMS
    8 Reset Preferences
    9 Enter PIN

Legend:

| <word> | = SMART KEY
1 <feature> = menu option

7 Preferences
    1 Sounds
        1 Ringer Type
        2 Ringer Volume
        3 Earpiece Volume
        4 Key Beep Sound
        5 Key Beep Volume
        6 Key Beep Length
        7 Mute Stereo

    2 Display
        1 Backlight
        2 Banner
        3 Show Time
        4 Auto Hyphen
        5 Globalstar Time Zone

    3 Alerts
        1 Fade
        2 Minute
        3 Service Change
        4 New Message

    4 Calling
        1 Auto Answer
        2 Auto Redial
        3 One-Touch Dial
        4 Any-Key Answer
        5 Deep Sleep
        6 Send PIN

8 System
    1 Status
    2 Force System Reacquisition
    3 Version
    4 Service Provider Select
        1 Known List
        2 Preferred List
        3 Prohibited List
        4 Force Service
          Provider Selection

    5 Service Provider
    6 Territory
    7 Manual Mode
        1 Auto Mode
        2 Globalstar
        3 Digital
        4 Analog

    8 Auto Mode
    9 NAM Select
        1 Auto NAM
        2 Set NAM
        3 Set System

Accessing main menu

1. Turn the phone on. The phone is now in standby mode (see Standby mode, page 9).

2. Press ⬆ **menu** and the first three main menu items display. If scroll arrows display on the screen, you can scroll between screens to access additional menu options.

Each main menu item is explained in sequential order in separate sections of this guide.

```
📶 ☎ 📶        🔋 ↓
Main Menu
1 Phone Book          page 15
2 Call Hist           page 21
3 Messages            page 23

📶 ☎ 📶        🔋 ↕
Main Menu
4 Features            page 27
5 Call Info           page 29
6 Security            page 31

📶 ☎ 📶        🔋 ↑
Main Menu
7 Preference          page 35
8 System              page 45
```

Navigating and using menus

To navigate the menus

■ To access additional menu items when a scroll arrow displays on the screen, press the scroll keys.

■ To select a menu item, press the corresponding number.

To save changes or a setting

■ Press ⬆ **ok**.

To return to previous screen without saving changes

■ Press (Clr).

To return to main menu without saving changes (if *not* on a call)

■ Press (END).

To return to main menu without saving changes (if on a call)

■ Press (Clr) repeatedly.

1 Phone Book

```
    |           |
  | view |    | find |
                  └─ 1 Name
  | options |      2 Phone Number
    ├─ 1 Edit      3 Location
    ├─ 2 Erase
    ├─ 3 Secret
    ├─ 4 View Number
    ├─ 5 Prepend
    └─ 6 Send Tones
```
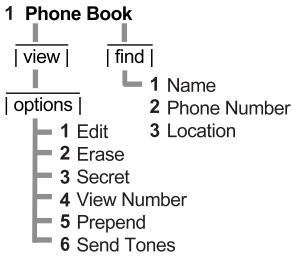
Learn about using the phone book, entering letters and other characters, entering pauses, speed dialing, and one-touch dialing in this section.

Entering letters and other characters

To enter letters and other characters

1. Press a key repeatedly to display the letters in uppercase, then lowercase, and finally the number. For example, if you repeatedly press ⏺ **def 3**, the following characters display:

```
D   E   F   d   e   f   3
```

2. Do one of the following:

- ■ Enter the next character if it is on a different key.
- ■ If the next character is on the same key, move the cursor forward by pressing ⏺ **↓ #** or the down volume button.

3. Press ⏺ **ok** after you enter the name.

To edit letters and other characters

- ■ Move the cursor by pressing ⏺ **＊ ↑** or ⏺ **↓ #** or by pressing the volume buttons.

To delete letters and other characters

- ■ Position the cursor over a letter or character, and press ⏺ **Clr** to delete.
- ■ Press ⏺ **Clr** to delete previous letters or characters one at a time.
- ■ Press and hold ⏺ **Clr** to delete the entire entry.

To enter spaces

- ■ Press ⏺ **↓ #** or the down volume button.

To enter punctuation or spaces

- ■ Press ⏺ **1** repeatedly, and the punctuation or space displays in the following order:
  - – <space> @ & ( ) : . ' # * , 1

Entering pauses

When using automated phone services, such as voice mail or online banking, you can use pauses when entering a series of numbers. You can also enter pauses manually, or you can save pauses in phone book entries. Each pause counts as one character. There are two types of pauses:

- Hard Pause – Stops until you press ⏺ **resume** to send the rest of the number sequence.
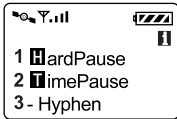- Timed Pause – Stops for two seconds and then resumes automatically.

> **Note**
> If Auto Hyphen is set to "on" and you manually enter pauses, Auto Hyphen is temporarily set to "off."

To enter pauses when entering numbers

1. Press (Info) and the following displays on the screen:

```
📶 ▼.ıll          🔋
                   H
1 HardPause
2 TimePause
3 - Hyphen
```

2. Press ① for Hard Pause or (abc 2) for Timed Pause. **H** displays for hard pauses and **T** displays for timed pauses.
3. Continue entering numbers.

Saving entries

The phone saves up to 99 entries. Each entry contains a name (up to 12 characters) and phone number (up to 32 numbers) stored in location numbers 1 through 99. See Entering numbers, page 10.

You can also save pauses in phone book entries when automated phone services, such as voice mail or online banking, require personal identification or account numbers. See Entering pauses, page 16.

To save entries

1. Do one of the following:
    - Select a number from the scratchpad (see Scratchpad, page 27).
    - Select a number on the call history list.
    - Select a number on the screen, such as Caller ID.
    - Enter a phone number from standby mode.

```
📶 ▼.ıll          🔋


        987-6543
   save   |   find
```

2. Press ⬆ **save**.
3. Enter a name and press ⬆ **ok**.
4. Enter a location number:
   - ■ If the phone book is *not* full:
     - ❑ Press ⬆ **ok** to automatically accept the next empty location.
     - ❑ Press ⬆ **next** to scroll to an empty location.
     - ❑ Enter a location number of your choice.
     - ❑ Scroll to empty locations.
   - ■ If the phone book is full, enter a location number that you want to reuse and replace with the new information. You will lose the old information.

Finding entries

You can find entries either by name, phone number, or location number. You can also scroll through the phone book to find entries.

To find an entry

1. From standby mode, press ⬆ **book**.
2. Press ⬆ **find**.
3. Press ①₁ for Name, ⓐbc2 for Phone #, or ⓓef 3 for Location.
4. Enter one or more characters.

📌 **Note**

Searches ignore differences between upper- and lowercase letters.

5. Press ⬆ **find** and, if necessary, scroll through the entries.
6. Press ⬆ **view** to see the entry.
7. Do one of the following:
   - ■ Press ⓢEND to call the number.
   - ■ Press ⬆ **options** to edit, erase, make secret, view number, prepend (add), or send tones.

Editing entries

1. From standby mode, press ⬆ **book**.
2. Find the entry and press ⬆ **view**.
3. Press ⬆ **options**.
4. Press ①₁ to Edit.
5. Press ①₁ to edit Name, ⓐbc2 to edit Number, or ⓓef 3 to edit Location.

6. Edit the name or phone number, or do one of the following to edit a location number:
   - Enter a new location number.
   - Press ⬆ **next** or use the scroll keys to scroll to a new location number.
7. Press ⬆ **ok**.

Erasing entries

1. From standby mode, press ⬆ **book**.
2. Find the entry and press ⬆ **view**.
3. Press ⬆ **options**.
4. Press (abc 2) to Erase.
5. Press ⬆ **ok**.

Making entries secret

To prevent a phone number from displaying on the screen, you can make the entry "Secret."

To make an entry secret or nonsecret

1. From standby mode, press ⬆ **book**.
2. Find the entry you want to make secret.
3. Press ⬆ **view**.
4. Press ⬆ **options**.
5. Press (def 3) and scroll to select:
   - Yes – Makes the entry secret
   - No – Makes the entry nonsecret
6. Press ⬆ **ok**.

Viewing numbers

You can view an entry's entire phone number. When viewing a number, you can also prepend (add) numbers at the beginning of a phone number and save those changes.

To view numbers

1. From standby mode, press ⬆ **book**.
2. Find the entry and press ⬆ **view**.
3. Press ⬆ **options**.
4. Press (ghi 4) for View #.
5. Do one of the following:
   - Press ⬆ **ok** to return to the previous menu.
   - Press (END) to return to standby mode.

Prepending numbers

You can permanently prepend (add) numbers, such as an area code or country code, at the beginning of a phone number in an existing phone book entry.

To prepend (add) numbers

1. From standby mode, press ⏶ **book**.
2. Find the entry and press ⏶ **view**.
3. Press ⏶ **options**.
4. Press ⓙⓚⓛ 5 for Prepend. The phone number displays.
5. Enter the numbers.
6. Press ⏶ **save**.

Sending tones

You can send DTMF (dual tone multi-frequency) tones over the air when using automated phone services, such as voice mail or online banking. To send tones, you must be on a call. You can send tones by manually entering numbers or sending numbers stored in your phone book. You can also send tones for numbers entered in the scratchpad (see Scratchpad, page 27).

Note

The length of the key beep, the sound you hear when pressing the keys, affects the DTMF tones. Check your key beep length before sending tones (see Key Beep Length, page 37).

To send tones manually

■ While on a call, enter the appropriate numbers. The tones associated with the numbers are immediately sent over the air.

To send tones saved in your phone book

1. While on a call, press ⏶ **book**.
2. Find an entry and press ⏶ **view**.
3. Press ⏶ **options**.
4. Press ⓜⓝⓞ6 for Send Tones. The tones associated with the numbers are immediately sent over the air.

Speed dialing

You can speed dial a phone number if you know the location number of the phone book entry. You can speed dial any of the 99 location numbers unless the phone is restricted (see Restricting the phone, page 32). If you restrict the phone, only the first nine phone book locations are available for speed dial.

To speed dial a phone number

1. Enter the location number.
2. Press (SEND).

One-touch dialing

If you set one-touch dial to "on," you can dial any of the 99 location numbers without pressing (SEND). To set one-touch dial, see One-Touch Dial, page 43.

To one-touch dial a phone number

1. Set one-touch dial to "on" (see One-Touch Dial, page 43).
2. Press and hold the last digit of the location number. For example:
   - Press and hold (def 3) for location number 3.
   - Press (def 3) and then press and hold (abc 2) for location number 32.

2 Call Hist
     └──| view |

You can access a call history list of the last ten incoming or outgoing satellite or cellular calls (numbered 0 to 9) and view details about each call type:

- ■ Called By   Incoming calls, if caller ID is available (see Caller ID, page 12)

- ■ Call To   Outgoing calls

- ■ Added   Scratchpad entries (see Scratchpad, page 27)

- ■ Missed   Unanswered incoming calls, if caller ID is available

- ■ Caller ID   Caller ID information received

- ■ Call Waiting   Call-waiting information received during a call

The most recent call is numbered 0 and displays at the top of the list and the oldest call at the bottom (separated by a dashed line). When the list is full, a new call takes the first position in the list and the oldest call is deleted. The list is saved after you turn the phone off.

Names display in the call history list if the caller's phone number is stored in the phone book. If more than one name matches a call back number, the entry with the lowest phone book location number displays.

Accessing call history list

1. From standby mode, press ⬆ **menu**.
2. Press (abc 2) for Call Hist.
3. Press the scroll keys to access the last ten calls. For example:

```
┌─────────────────────┐
│ ▾◉▪Y.ıll      {▰▰▰   │
│ 0 7654321           │
│ 1 John              │
│ 2 5551212           │
│     view            │
└─────────────────────┘
```
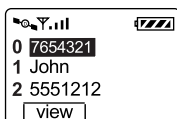
4. Scroll down to select a call from the most recent to the oldest calls, or scroll up to select a call from the oldest to the most recent.
5. Do one of the following:

   - ■ To call the number, press (SEND).

   - ■ To save the number in your phone book, press ⬆ **view** and ⬆ **save** (see Saving entries, page 16).

   - ■ To exit call history without calling or storing a number, press (Clr) or (END).

Viewing call history details

1. Scroll to select a call on the list.

2. Press ⬛ **view**.

```
╔═══════════════════╗
║ ℡Y.ıll      ▨▨▨   ║
║ CALL TO         ↕ ║
║ John              ║
║         987-6543 2║
║ ┌─────────┐       ║
║ │ options │       ║
║ └─────────┘       ║
╚═══════════════════╝
```

3. Press ⬛ **options** and do one of the following:
   - Save the number in your phone book.
   - Access call time and call duration.
   - Access call status information.

3 Messages
└── | text | | voice |
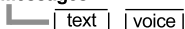
Learn about retrieving SMS (short message service) messages in this section. SMS includes both text and voice mail notification messages. Contact your satellite or cellular service providers for information regarding the availability of text and voice mail notifications.

You can retrieve text messages and voice mail notifications from satellite or cellular service provider voice mail systems. When the phone is turned on and you receive SMS messages, the phone alerts you by sounding a beep and displaying the text message indicator ✉ or voice mail notification indicator ⌣ on the screen. These indicators display until you read all the messages.

When you read a message, new messages are accessed before old messages. If the message contains a call back number matching one in your phone book, the corresponding name displays in place of the number. If more than one name matches a call back number, the entry with the lowest phone book location number displays.

Voice messages

If someone leaves you a voice mail message, your phone receives a voice mail notification and alerts you. You can then access the voice mail notification. (Service providers may provide different details about the message.) To hear the voice mail message, call your voice mail system.

If you have one or more voice mail systems, the total number of voice mail messages received by all systems displays on the screen. For example, if you have two voice mail systems and you receive two voice mail messages from one system and two from the other system, the total number of voice mail notifications displays under "Old":

```
┌─────────────────────┐
│ ▀◐▄Y.ıll    ⟨▰▰▰⟩    │
│ Msgs      New/Old   │
│ Text       00/00    │
│ Voice         04    │
│  | text |  | voice | │
└─────────────────────┘
```
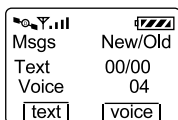
If new voice mail messages are received, the total number of voice mail notifications is updated.

To access voice mail notifications

1. From standby mode, press ✉. The total number of voice mail messages received displays under "Old."

2. Press ▲ **voice**. The voice mail notification displays either a call back number or a name if the call back number matches one in the phone book. If more than one name matches a call back number, the entry with the lowest phone book location number displays.

3. Do one of the following:
   - ■ Press ⬆ **next** to read the next voice mail notification.
   - ■ Press ⬆ **view** to display more detail, if available, which automatically scrolls on the screen and pauses so you can read it. Press a scroll key to manually scroll.

To call your voice mail system

1. Press ✉.
2. Press ⬆ **voice**.
3. Press ⬆ **next** to find the voice mail notification you want.
4. Press ⬆ **view**.
5. Press (SEND). The phone number for the voice mail system displays, if available. Go to Step 6. If it does not display, the message "No Voice Mail Number received" displays, and you must manually enter the voice mail phone number.
6. If necessary, prepend (add) digits before the voice mail phone number. For example, if you are out of the area of your voice mail phone number, prepend the area code or country code.
7. Press (SEND) again.
8. Follow the voice mail system instructions to retrieve your messages.

To erase voice message notifications

1. Press ✉.
2. Press ⬆ **voice**.
3. Press ⬆ **next** to find the voice mail notification you want.
4. Press ⬆ **view**.
5. Press ⬆ **eras** to erase the message.
6. Press ⬆ **ok**.

Text messages

Text messages can include call back numbers, messages, urgency stamps, time and date stamps, and possibly names if the call back number matches one in the phone book. The phone stores as many text messages as available memory allows. For more information on managing phone memory, see Storing text messages, page 25.

To access text messages

1. Press ✉. The number of new and old text messages displays.
2. Press ⬆ **text**. The newest unread messages display first followed by the newest read messages, if any. The number of messages under "Old" is the number of messages you accessed.

3. Do one of the following:
   ■ Press ◁▷ **next** to read the next message.
   ■ Press ◁▷ **view** to display more detail, if available, which automatically scrolls on the screen and pauses so you can read it. Press a scroll key to manually scroll.

To call back numbers in text messages

1. Press ✉.
2. Press ◁▷ **text**.
3. Press ◁▷ **next** to find the message you want.
4. Press ◁▷ **view**.
5. Press (SEND). The call back number displays, if available.
6. If necessary, prepend (add) digits before the call back number. For example, if you are out of the area of the phone number, prepend the area code or country code.
7. Press (SEND) again.

To erase text messages

1. Press ✉.
2. Press ◁▷ **text**. A text message displays.
3. Press ◁▷ **view** to display more detail, if available, which automatically scrolls on the screen and pauses so that you can read it. Press a scroll key to manually scroll.
4. Scroll to the bottom of the message and press ◁▷ **opts**.
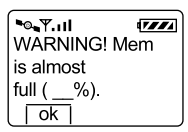5. Press ◯1 for Erase.

Note

> You can erase a text message even if it is locked.

6. Press ◁▷ **ok** to erase the message.

Storing text messages

Text messages are saved until you erase them or until the phone memory is full. If more than 75% of the phone's memory is full, a message displays the amount of memory used:

```
📧📶📶📡       🔋🔋🔋
WARNING! Mem
is almost
full ( ___%).
   ok
```

When the phone is out of memory, the oldest unlocked messages are automatically deleted as necessary to receive new messages.

To prevent messages from being deleted, you can lock them. However, if all messages are locked when a new message is received and the phone is out of memory, the new message is lost. The network may try to deliver it later.

To avoid running out of memory

■ Erase locked or unlocked messages that you no longer need. When the phone is out of memory and all text messages are locked, it no longer accepts new messages and this message displays:

```
📧📶📶         🔋
Message Lost
Insufficient
Memory!!
   ok
```
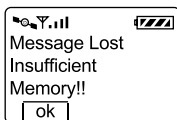
The network may try to deliver lost messages later.

Locking and unlocking text messages

To prevent messages from being automatically deleted if the phone is out of memory, you can lock them. You can manually erase a text message even if it is locked.

To lock or unlock text messages

1. Press ✉.
2. Press ▲ **text**. The newest text message displays.
3. Press ▲ **view** to display more detail, if available, which automatically scrolls on the screen and pauses so that you can read it. Press a scroll key to manually scroll.
4. Scroll to the bottom of the message and press ▲ **opts**.
5. Press (abc 2) for Lock or (def 3) for Unlock.

The lock indicator 🔒 or the unlock indicator 🔓 displays to the left of the SMART KEY options.

4 Features
  1 Key Guard
  2 Scratchpad

Key Guard

The key guard locks the phone keys to prevent accidental use. If you receive an incoming call when the key guard is on, you can still answer the call.

To turn the key guard on

■   *Shortcut*: From standby mode, press and hold ⟨END⟩. The lock indicator
    🔒 and "KeyGuard On" displays.

To turn the key guard off

■   Press ⟨ 1 ⟩ ⟨abc 2⟩ ⟨def 3⟩ .

Scratchpad

You can enter numbers on the scratchpad to add to call history, save to your phone book, or send tones over the air for automated phone services, such as voice mail or banking online. To add to call history or save to your phone book, you can be on a call or in standby mode. To send tones, you must be on a call.

To access the scratchpad

1.   From standby mode, press ⟨▲⟩ **menu**.
2.   Press ⟨ghi 4⟩ for Features.
3.   Press ⟨abc 2⟩ for Scratchpad.
4.   Enter numbers.
5.   Press ⟨▲⟩ **options**.
6.   Press:

     ■   ⟨ 1 ⟩ to AddToHist; the number is added to call history.
     ■   ⟨abc 2⟩ to Save to your phone book (see Saving entries, page 16).
     ■   ⟨def 3⟩ to Send Tones; the tones are immediately sent over the air.

5 Call Info
- **1** Last Call
- **2** Home Calls
- **3** Roam Calls
- **4** Recent Calls
- **5** All Calls

The Call Info menu contains counters that allow you to track the number of calls and airtime for billing purposes.

Last Call

Last Call displays the duration of the last call in minutes and seconds. If Call History is empty, "None" displays on the screen.

To display last call information

1. From standby mode, press ▲ **menu**.
2. Press ⟨jkl 5⟩ for Call Info.
3. Press ⟨1⟩ for Last Call.
4. Press ▲ **ok**.

Home Calls

Home Calls displays the number and duration of all incoming and outgoing calls made in your home service area. You can reset this counter to zero (see Resetting call counters, page 30).

To display home calls information

1. From standby mode, press ▲ **menu**.
2. Press ⟨jkl 5⟩ for Call Info.
3. Press ⟨abc 2⟩ for Home Calls.
4. Press ▲ **ok**.

Roam Calls

Roam Calls displays the number and duration of roam calls. Roaming occurs when you move out of your home service area. You can reset this counter to zero (see Resetting call counters, page 30).

To display roam calls information

1. From standby mode, press ▲ **menu**.
2. Press ⟨jkl 5⟩ for Call Info.
3. Press ⟨def 3⟩ for Roam Calls.
4. Press ▲ **ok**.

Recent Calls

Recent Calls displays the number and duration of calls made or received since resetting the counter. You can reset this counter to zero (see Resetting call counters, page 30).

To display recent calls information

1. From standby mode, press ⬆ **menu**.
2. Press (jkl 5) for Call Info.
3. Press (ghi 4) for RecentCall.
4. Press ⬆ **ok** to return to standby mode.

All Calls

All Calls displays the number and duration of all calls for the lifetime of your phone. You cannot reset this counter.

To display all calls information

1. From standby mode, press ⬆ **menu**.
2. Press (jkl 5) for Call Info.
3. Press (jkl 5) for All Calls.
4. Press ⬆ **ok**.

Resetting call counters

You can only reset the Home Calls, Roam Calls, and Recent Calls counters to zero. You can also undo the counter reset, but you must do it before you press ⬆ **ok**, which confirms resetting the counter.

To reset the counter to zero

1. Press ⬆ **zero**.

Note

After you press ⬆ **ok**, you cannot undo the counter reset.

2. Press ⬆ **ok**.

To undo the counter reset

■ Press ⬆ **undo**.

6 Security
- **1** Lock Phone
- **2** Restrict Phone
- **3** Enter New Code
- **4** Enter Priority Numbers
- **5** Erase Call History
- **6** Erase Phone Book
- **7** Erase SMS
- **8** Reset Preferences
- **9** Enter PIN

When you access the Security menu for the first time, enter the lock code supplied by your satellite or cellular service provider.

Note

> Change the lock code immediately after receiving the phone. See Entering a new lock code, page 32.

Subsequently, each time you access the Security menu, you are prompted for your new lock code. If you forget your lock code, contact your satellite or cellular service provider.

Locking the phone

You can lock the phone so that you can only make calls to priority numbers and emergency numbers and receive calls. There are no shortcuts for dialing emergency numbers or priority numbers when your phone is locked. All other functions are locked. To unlock the phone, use the lock code, the same one that you use to access the Security menu.

To lock the phone

1. From standby mode, press ⬆ **menu**.
2. Press (mno 6) for Security and enter your lock code.
3. Press (1) for Lock Phone.
4. Scroll to select one of these options:
   - ■ Never – The phone cannot be locked.
   - ■ Now – Immediately locks the phone for one time only.
   - ■ On Power Up – Locks the phone every time you turn the phone on.

To unlock the phone

1. Press ⬆ **unlock**.
2. Enter your lock code to return to the main menu. (Use the same lock code used to access the Security menu.)

Restricting the phone

When you restrict your phone, you can only make calls to emergency numbers, priority numbers, and phone book locations 1 to 9. You cannot make changes to the phone book when you restrict your phone.

To restrict the phone

1. From standby mode, press ⓐ **menu**.
2. Press (mno 6) for Security and enter your lock code.
3. Press (abc 2) for Restricted.
4. Scroll to select one of these options:
   - ■ Yes – Make calls to emergency numbers, priority numbers, and phone book locations 1 to 9 only. There are no shortcuts for dialing emergency numbers or priority numbers unless you add them to your phone book.
   - ■ No – Make calls to any number.

Entering a new lock code

You can change the lock code used to access the Security menus and unlock your phone.

To enter a new lock code

1. From standby mode, press ⓐ **menu**.
2. Press (mno 6) for Security and enter your current lock code.
3. Press (def 3) for New Code.
4. Enter a new four-digit lock code.
5. Press ⓐ **save**. The new lock code displays briefly on the screen.

Entering priority numbers

You can call priority numbers when the phone is locked or restricted. You can store up to three priority numbers (up to 32 digits each).

To enter a priority number

1. From standby mode, press ⓐ **menu**.
2. Press (mno 6) for Security and enter your lock code.
3. Press (ghi 4) for Priority #.
4. Scroll to Priority#1, Priority#2, or Priority#3.
5. Press ⓐ **edit**.
6. Enter the phone number.
7. Press ⓐ **ok**.

Erasing call history list

You can erase the entire call history list.

1. From standby mode, press ⬆ **menu**.
2. Press (mno 6) for Security and enter your lock code.
3. Press (jkl 5) for Erase Call.
4. Press ⬆ **ok**.
5. Press ⬆ **ok** to erase the entire call history list, or press (END) if you do not want to erase it.

Erasing phone book entries

You can erase all entries in the phone book.

1. From standby mode, press ⬆ **menu**.
2. Press (mno 6) for Security and enter your lock code.
3. Press (mno 6) for Erase Book.
4. Press ⬆ **ok**.
5. Press ⬆ **ok** to erase all entries in the phone book, or press (END) if you do not want to erase them.

Erasing SMS messages

You can erase all SMS (short message service) messages, which include all locked or unlocked text messages and all voice mail notification messages.

1. From standby mode, press ⬆ **menu**.
2. Press (mno 6) for Security and enter your lock code.
3. Press (pqrs 7) for Erase SMS (short message service).
4. Press ⬆ **ok**.
5. Press ⬆ **ok** to erase all messages, or press (END) if you do not want to erase them.

Resetting preferences

You can reset all preferences to the original settings (defaults) that were previously set by your satellite or cellular service provider. These preferences include those described in Preferences Menu, page 35, with these exceptions:

■ The banner is *not* reset.
■ The Service Provider Preferred and Prohibited Lists *are* deleted (see Service Provider Select, page 46).
■ The lock code is *not* reset.
■ The phone book, call history, or SMS messages are *not* erased.

To reset preferences

1. From standby mode, press ⬆ **menu**.
2. Press (mno 6) for Security and enter your lock code.
3. Press (tuv 8) for Reset Prefs.
4. Press ⬆ **ok**.
5. Press ⬆ **ok** when prompted to reset all preferences.

Entering PIN

When making analog calls, your cellular service provider may support the use of a PIN (personal identification number) for verification before connecting your call. This feature allows you to enter your own PIN.

If you want to be prompted for your PIN before making analog calls, set Send PIN accordingly (see Send PIN, page 44). Contact your cellular service provider for more information.

Each PIN is associated with a different NAM (number assignment module), or phone number. When you enter a PIN, it becomes associated with the currently selected NAM, so be sure to select the appropriate NAM (see NAM Select, page 51).

To enter your PIN

1. From standby mode, press ⬆ **menu**.
2. Press (mno 6) for Security and enter your lock code.
3. Press (wxyz 9) for Enter PIN.

Note

To enter a PIN for a different NAM, first select that NAM before entering your PIN.

4. Enter the four-digit PIN.
5. Press ⬆ **save**.

7 Preferences
- **1** Sounds — **1** Ringer Type
  - **2** Ringer Volume
  - **3** Earpiece Volume
  - **4** Key Beep Sound
  - **5** Key Beep Volume
  - **6** Key Beep Length
  - **7** Mute Stereo
- **2** Display — **1** Backlight
  - **2** Banner
  - **3** Show Time
  - **4** Auto Hyphen
  - **5** Globalstar Time Zone
- **3** Alerts — **1** Fade
  - **2** Minute
  - **3** Service Change
  - **4** New Message
- **4** Calling — **1** Auto Answer
  - **2** Auto Redial
  - **3** One-Touch Dial
  - **4** Any-Key Answer
  - **5** Deep Sleep
  - **6** Send PIN

Sounds

You can set ringer type, ringer volume, earpiece volume, key beep sound, key beep volume, key beep length, and mute stereo.

Ringer Type

You can change the ringer for incoming calls to one of eight different rings or songs.

To set the ringer type

1. From standby mode, press ▲ **menu**.
2. Press (pqrs 7) for Preferences.
3. Press (1) for Sounds.
4. Press (1) for Ringer Type.
5. Scroll to select the ringer type or song.
6. Press ▲ **ok**.

Ringer Volume

- Do one of the following from standby mode:
  - Press the volume buttons.
  - Press ▲ **menu**.
    - ❑ Press (pqrs 7) for Preferences.
    - ❑ Press (1) for Sounds.
    - ❑ Press (abc 2) for Ringer Vol.

❑　Scroll to select the volume level from 1 (lowest) to 9 (highest) or Silent to turn the ringer off. While in standby mode, "-Ringer Off-" displays in place of the date.

❑　Press ◁▲▷ **ok**.

To silence the ringer when receiving a call

■　Press (END).

Earpiece Volume

You can adjust the earpiece volume to one that is comfortable for you. You can adjust the volume while on a call or from standby mode.

To adjust the earpiece volume

■　While on a call, press the volume buttons.

■　From standby mode:
　a.　Press ◁▲▷ **menu**.
　b.　Press (pqrs 7) for Preferences.
　c.　Press (1) for Sounds.
　d.　Press (def 3) for EarpiecVol.
　e.　Scroll to select the volume level from 1 (lowest) to 9 (highest).
　f.　Press ◁▲▷ **ok**.

Key Beep Sound

You can set the key beep, the sound you hear when pressing the keys, to either a tone or a click.

To adjust the key beep sound

1.　From standby mode, press ◁▲▷ **menu**.
2.　Press (pqrs 7) for Preferences.
3.　Press (1) for Sounds.
4.　Press (ghi 4) for KeyBeepSound.
5.　Scroll to select "tone" or "click."
6.　Press ◁▲▷ **ok**.

Key Beep Volume

You can adjust the volume of the key beep, the sound you hear when pressing the keys.

To adjust the key beep volume

1.　From standby mode, press ◁▲▷ **menu**.
2.　Press (pqrs 7) for Preferences.
3.　Press (1) for Sounds.
4.　Press (jkl 5) for KeyBeepVol.
5.　Scroll to select the volume level from 1 (lowest) to 9 (highest) or Silent to turn the key beep off.
6.　Press ◁▲▷ **ok**.

Key Beep Length

You can set the length of the key beep, the sound you hear when pressing the keys. The normal key beep is short and fixed in length. The long key beep sounds as long as you press a key.

Some services or devices, such as answering machines, may require the long key beep because you must press and hold a key to send a tone. Using the normal key beep is recommended.

Note

The key beep length affects the DTMF tones used for sending tones over the network for automated phone services, such as voice mail or online banking. Select the appropriate key beep length before sending tones (see Sending tones, page 19).

To set the key beep length

1. From standby mode, press ⬆ **menu**.
2. Press (pqrs7) for Preferences.
3. Press (1) for Sounds.
4. Press (mno6) for KeyBeepLen.
5. Scroll to select one of the following:
   - Normal – Key beep is short and fixed in length.
   - Long – Key beep sounds as long as you press a key.
6. Press ⬆ **ok**.

Mute Stereo

While using the car kit, you can set this feature to automatically mute the stereo in your vehicle so you cannot hear it. This occurs when you receive incoming calls or press (SEND) when making calls. Contact your service technician for more information on implementing this in your vehicle.

To mute the stereo

1. From standby mode, press ⬆ **menu**.
2. Press (pqrs7) for Preferences.
3. Press (1) for Sounds.
4. Press (pqrs7) for Mute Stereo.
5. Scroll to select "yes" or "no."
6. Press ⬆ **ok**.

Display

You can set the backlight, edit the banner, display the time, set the auto hyphen feature, and set the Globalstar time zone.

Backlight

You can set the screen and keypad backlighting to maximize battery life.

To set the backlight

1. From standby mode, press ⬲ **menu**.
2. Press (pqrs7) for Preferences.
3. Press (abc 2) for Display.
4. Press (1) for Backlight.
5. Scroll to select one of the following:
   - Always Off – The backlight is always off, which significantly *increases* battery life.
   - 7 Seconds – Turns the backlight off 7 seconds after the last key press.
   - 15 Seconds – Turns the backlight off 15 seconds after the last key press.
   - 30 Seconds – Turns the backlight off 30 seconds after the last key press.
   - Always On – The backlight is always on, which significantly *decreases* battery life.
6. Press ⬲ **ok**.

To turn the backlight on

- Press any key.

Banner

You can enter a banner or personal greeting (up to 12 characters), such as a company name or a personal reminder. The banner displays when you turn the phone on.

To edit the banner

1. From standby mode, press ⬲ **menu**.
2. Press (pqrs7) for Preferences.
3. Press (abc 2) for Display.
4. Press (abc 2) for Banner.
5. Press ⬲ **edit**. See Entering numbers, page 10.
6. Press ⬲ **ok** to confirm banner changes.
7. Do one of the following:
   - Press ⬲ **ok** to return to standby mode.
   - Press ⬲ **edit** to change the banner.

Show Time

You can set the time format using this feature. Initially, while in Globalstar satellite mode, UTC (universal time coordinated) displays. While in digital or analog mode, local time displays where available. To change UTC time while in Globalstar satellite mode, see Globalstar Time Zone, page 40.

To set the time format

1. From standby mode, press ⬤ **menu**.
2. Press ⬤pqrs7 for Preferences.
3. Press ⬤abc2 for Display.
4. Press ⬤def3 for Show Time.
5. Scroll to select one of the following:
    - 12 hour – Time displays in 12-hour format
    - 24 hour – Time displays in 24-hour format
    - UTC (universal time coordinated) – 24-hour time scale maintained by the Bureau International del I'Heure
    - Off – Time does not display
6. Press ⬤ **ok**.

Auto Hyphen

You can use this feature to automatically insert hyphens when you enter phone numbers. As the following example shows, hyphens are inserted automatically when numbers are entered:

> # – ### – ### – ####

You can also manually enter hyphens (see Manual Hyphens, page 39).

To set auto hyphen

1. From standby mode, press ⬤ **menu**.
2. Press ⬤pqrs7 for Preferences.
3. Press ⬤abc2 for Display.
4. Press ⬤ghi4 for AutoHyphen.
5. Scroll to select "yes" or "no."
6. Press ⬤ **ok**.

Manual Hyphens

You can manually enter hyphens from standby mode or when editing phone numbers in the phone book. You can also set Auto Hyphen to "on" so that hyphens are automatically entered (see Auto Hyphen, page 39). Each hyphen counts as one character.

To manually enter a hyphen

1. Press ⬤info and the following displays on the screen:

    ```
    ┌─────────────────────┐
    │ °ₒ Y.ıll      ▰▰▰▱  │
    │                  🔋 │
    │ 1 ▌ardPause        │
    │ 2 ▌imePause        │
    │ 3 - Hyphen         │
    └─────────────────────┘
    ```

2. Press ⬤def3 .
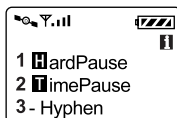
Globalstar Time Zone

When in Globalstar satellite mode, this feature allows you to select the display of a different time zone instead of UTC (universal time coordinated) time. The time zone remains selected until you change it and is only valid for Globalstar satellite mode.

The time zones for selection include the following:

European	GMT	Greenwich Mean Time	same as UTC
	BST	British Summer Time	UTC + 1 hour
	IST	Irish Summer Time	UTC + 1 hour
	WET	Western Europe Time	same as UTC
	WEST	Western Europe Summer Time	UTC + 1 hour
	CET	Central Europe Time	UTC + 1 hour
	CEST	Central Europe Summer Time	UTC + 2 hours
	EET	Eastern Europe Time	UTC + 2 hours
	EEST	Eastern Europe Summer Time	UTC + 3 hours
	MSK	Moscow Time	UTC + 3 hours
	MSD	Moscow Summer Time	UTC + 4 hours
U.S. and Canada	AST	Atlantic Standard Time	UTC – 4 hours
	ADT	Atlantic Daylight Time	UTC – 3 hours
	EST	Eastern Standard Time	UTC – 5 hours
	EDT	Eastern Daylight Saving Time	UTC – 4 hours
	CST	Central Standard Time	UTC – 6 hours
	CDT	Central Daylight Saving Time	UTC – 5 hours
	MST	Mountain Standard Time	UTC – 5 hours
	MDT	Mountain Daylight Saving Time	UTC – 5 hours
	PST	Pacific Standard Time	UTC – 8 hours
	PDT	Pacific Daylight Saving Time	UTC – 7 hours
	HST	Hawaiian Standard Time	UTC – 10 hours
	AKST	Alaska Standard Time	UTC – 9 hours
	AKDT	Alaska Standard Daylight Saving Time	UTC – 8 hours

To select a different time zone

1. From standby mode, press ⬆ **menu**.
2. Press (pqrs 7) for Preferences.
3. Press (abc 2) for Display.
4. Press (jkl 5) for G* TimeZone.
5. Scroll to select the appropriate time zone.
6. Press ⬆ **ok**.

Alerts

For your convenience, you can set alerts that sound a tone.

Fade

The fade alert sounds a tone when any network drops a call.

To set the fade alert

1. From standby mode, press ⬆ **menu**.
2. Press (pqrs 7) for Preferences.
3. Press (def 3) for Alerts.
4. Press (1) for Fade.
5. Scroll to select "on" or "off."
6. Press ⬆ **ok**.

Minute

The minute alert sounds a tone ten seconds before the end of every minute.

To set the minute alert

1. From standby mode, press ⬆ **menu**.
2. Press (pqrs 7) for Preferences.
3. Press (def 3) for Alerts.
4. Press (abc 2) for Minute.
5. Scroll to select "on" or "off."
6. Press ⬆ **ok**.

Service Change

This alert sounds a tone when you change service.

To set the service change alert

1. From standby mode, press ⬆ **menu**.
2. Press (pqrs 7) for Preferences.
3. Press (def 3) for Alerts.
4. Press (def 3) for Service.
5. Scroll to select "on" or "off."
6. Press ⬆ **ok**.

New Message

The new message alert sounds a tone when you receive a new text message or voice mail notification.

To set the new message alert

1. From standby mode, press ⬭ **menu**.
2. Press ⬭ for Preferences.
3. Press ⬭ for Alerts.
4. Press ⬭ for New Message.
5. Scroll to select one of the following:
    *   Off – Phone does not sound a beep when a new message is received
    *   Once – Phone sounds one beep when a new message is received
    *   Periodic – Phone sounds a beep periodically when a new message is received until you retrieve the message by pressing ⬭
6. Press ⬭ **ok**.

Calling

You can set the Calling features to automatically answer the phone or redial a busy number. You can also set one-touch dial, any-key answer, or deep sleep to "on."

Auto Answer

You can set the number of times the phone rings before it automatically answers a call.

To set auto answer

1. From standby mode, press ⬭ **menu**.
2. Press ⬭ for Preferences.
3. Press ⬭ for Calling.
4. Press ⬭ for AutoAnswer.
5. Scroll to select one of the following:
    *   Off – Phone does not automatically answer
    *   After 1 ring – Phone automatically answers after 1 ring
    *   After 2 rings – Phone automatically answers after 2 rings
    *   Car kit only 1 ring – Phone automatically answers when installed in the car kit after 1 ring
    *   Car kit only 2 rings – Phone automatically answers when installed in the car kit after 2 rings
6. Press ⬭ **ok**. If you select an option other than "off," the message "-Auto Answer-" displays in place of the time while in standby mode.

Auto Redial

You can use this feature to automatically redial a busy number. While the phone is in standby mode, the phone automatically redials five times at intervals you choose. If the current service is changed for any reason, auto redial stops for that call.

To set auto redial

1. From standby mode, press ⬭ **menu**.
2. Press ⓟqrs7 for Preferences.
3. Press ⓖhi4 for Calling.
4. Press ⓐbc2 for Auto Redial.
5. Scroll to select one of the following:
    ■ Off – Do not automatically redial busy number
    ■ Every 10 seconds – Automatically redial busy number every 10 seconds
    ■ Every 30 seconds – Automatically redial busy number every 30 seconds
    ■ Every 60 seconds – Automatically redial busy number every 60 seconds
6. Press ⬭ **ok**.

One-Touch Dial

If you set one-touch dial to "on," you can dial any of the 99 phone book location numbers without pressing ⓢEND.

To set one-touch dial

1. From standby mode, press ⬭ **menu**.
2. Press ⓟqrs7 for Preferences.
3. Press ⓖhi4 for Calling.
4. Press ⓓef3 for One-Touch Dial.
5. Scroll to select "yes" or "no."
6. Press ⬭ **ok**.

See One-touch dialing, page 20, for more information.

Any-Key Answer

With this feature, you can press any key to answer an incoming call while in standby mode, except Ⓟwr or ⓔND. If this feature is not set to "yes," press ⓢEND to answer calls.

To set any-key answer

1. From standby mode, press ⬭ **menu**.
2. Press ⓟqrs7 for Preferences.
3. Press ⓖhi4 for Calling.
4. Press ⓖhi4 for AnyKeyAnsw.
5. Scroll to select "yes" or "no."
6. Press ⬭ **ok**.

Deep Sleep

When your phone is in power save mode, you can set the deep sleep duration to maximize battery life.

To set deep sleep

1. From standby mode, press ⬛ **menu**.
2. Press ⬛ for Preferences.
3. Press ⬛ for Calling.
4. Press ⬛ for Deep Sleep.
5. Scroll to select one of the following:
   - 15 minutes – Sleep for 15 minutes (maximum power savings)
   - 10 minutes – Sleep for 10 minutes
   - 5 minutes – Sleep for 5 minutes
   - Off – Do not set deep sleep (minimum power savings)

To exit deep sleep

- Press a key at any time.

Send PIN

If your cellular service provider supports this feature, you can use a PIN (personal identification number) for verification before connecting analog calls.

To enter your own PIN, see Entering PIN, page 34. Contact your cellular service provider for more information.

Each PIN is associated with a different NAM (number assignment module), or phone number. When you enter a PIN, it becomes associated with the currently selected NAM, so be sure to select the appropriate NAM before setting Send PIN (see NAM Select, page 51).

To set Send PIN

1. From standby mode, press ⬛ **menu**.

📌 **Note**

Be sure to select the appropriate NAM before setting Send PIN (see NAM Select, page 51).

2. Press ⬛ for Preferences.
3. Press ⬛ for Calling.
4. Press ⬛ for Send PIN.
5. Scroll to select one of the following:
   - Never – Does not prompt you for or send a PIN
   - Prompt – Prompts you for a PIN after you enter the phone number
6. Press ⬛ **ok**.

8 System
- **1** Status
- **2** Force System Reacquisition
- **3** Version
- **4** Service Provider Select — **1** Known List
    - **2** Preferred List
    - **3** Prohibited List
    - **4** Force Service
      Provider Selection
- **5** Service Provider
- **6** Territory
- **7** Manual Mode — **1** Auto Mode
    - **2** Globalstar
    - **3** Digital
    - **4** Analog
- **8** Auto Mode
- **9** NAM Select — **1** Auto NAM
    - **2** Set NAM
    - **3** Set System

Status

This feature provides status for the state of the phone's Globalstar satellite antenna, car kit, security module, battery, memory, lock, and self-test:

- ◼   ⌐   Indicates a good condition or ready for use
- ◼   L   Indicates a faulty condition or not ready for use
- ◼   –   Indicates not in use

To access status information

1. From standby mode, press ⬭ **menu**.
2. Press ⬭ **tuv 8** for System.
3. Press ⬭ **1** for Status:

   - ◼ **Antenna Up** – If ⌐ displays, the Globalstar satellite antenna is rotated properly. If the antenna is rotated and L displays, contact your satellite service provider.

   - ◼ **Car Kit** – If ⌐ displays, the car kit is operating properly. If L displays, reconnect the phone in the cradle or contact the installation technician.

   - ◼ **Security** – If ⌐ displays, the valid security module is inserted properly. If L displays, contact your satellite service provider.

   - ◼ **Battery** – If ⌐ displays, the battery is installed properly. If L displays, remove and replace your battery or contact your satellite service provider.

   - ◼ **Memory** – If ⌐ displays, there is enough available phone memory. If L displays, delete text messages and voice mail notifications.

   - ◼ **Unlocked** – If ⌐ displays, the satellite or cellular service provider has not locked your phone. If L displays, contact your service provider.

- ■ Self-test – If J displays, the phone has made a successful self-test. If L displays, contact your satellite or cellular service provider.
4. Press (Clr) or (END).

Force System Reacquisition

With this feature, the phone disconnects and attempts to acquire Globalstar satellite, digital, or analog service, depending on your mode selection (see Manual Mode, page 49, or Auto Mode, page 50).

To force the phone to reacquire service

1. From standby mode, press (▲) **menu**.
2. Press (tuv 8) for System.
3. Press (abc 2) for ReAcquire.
4. Press (▲) **ok** to initiate system acquisition.

Version

This feature displays the version number of the software installed on your phone.

To display the software version number

1. From standby mode, press (▲) **menu**.
2. Press (tuv 8) for System.
3. Press (def 3) for Version.
4. Scroll to read the information.
5. Press (Clr) or (END).

Service Provider Select

This feature allows you to select satellite service providers and force service provider selection. Three lists are used to select satellite service providers:

- ■ Known List – Shows all of the known satellite service providers that you can add to the Preferred or Prohibited Lists.
- ■ Preferred List – Shows your preferred order of priority for satellite service providers. Always shows the home satellite service provider highlighted first on the screen. The number to the left of the satellite service provider name identifies the order of priority.
- ■ Prohibited List – Shows the satellite service providers in alphabetical order that you choose *not* to use. You cannot add the home satellite service provider to this list.

Note

If you place a satellite service provider on the Prohibited List, you cannot place it on the Preferred List until you remove that service provider from the Prohibited List. You cannot add or delete your home service provider from any list.

When you look at the Known List, satellite service providers you have placed on other lists display as follows:

■   Satellite service providers placed on the Preferred List are highlighted.
■   Satellite service providers placed on the Prohibited List are crossed out.
■   Satellite service providers placed on both the Preferred and Prohibited Lists are highlighted and crossed out.

Registering phone

Registration means your phone is looking for service and obtains service after network approval. Changes made to the Preferred or Prohibited Lists do not take effect until the phone is registered again with the network. To register the phone, do one of the following:

■   Turn the phone on and off
■   Force system reacquisition (see Force System Reacquisition, page 46)
■   Force service provider selection (see Force Service Provider Selection, page 48)

If you add the currently registered satellite service provider to the Prohibited List, the phone will automatically reregister.

Viewing lists

To view the Known, Preferred, or Prohibited Lists

1.   From standby mode, press ⬆ **menu**.
2.   Press (tuv 8) for System.
3.   Press (ghi 4) for SP (service provider) Select.
4.   Press (1) for Known List, (abc 2) for Prefr List, or (def 3) for Prohb List.
5.   Press ⬆ **view** to display the satellite service provider's MCC (mobile country code) and MNC (mobile network code).

   ■   If the satellite service provider is on the Preferred List, the preferred location number displays (Pref Loc).
   ■   If the satellite service provider is on the Prohibited List, "yes" displays (Prohib).
   ■   If the satellite service provider is on both the Preferred and the Prohibited Lists, the preferred location number and "yes" displays.

6.   Press ⬆ **ok**.

Adding to lists

To add to the Preferred or Prohibited Lists

1.   From standby mode, press ⬆ **menu**.
2.   Press (tuv 8) for System.
3.   Press (ghi 4) for SP (service provider) Select.
4.   Press (1) for Known List.
5.   Scroll to select a satellite service provider.

6. Press (▲) **edit**.
7. Press (1) for Preferred or (abc 2) for Prohibited.
8. Press (▲) **ok**.
9. Reregister your phone (see Registering phone, page 47).

Editing lists

To edit (reorder or delete) from the Preferred List

1. From standby mode, press (▲) **menu**.
2. Press (tuv 8) for System.
3. Press (ghi 4) for SP (service provider) Select.
4. Press (abc 2) for Prefr List.
5. Scroll to select a satellite service provider.
6. Press (▲) **edit**.
7. Do one of the following:
   ■ Press (1) for Reorder, scroll to move the selected satellite service provider to a new position, and press (▲) **ok**.
   ■ Press (abc 2) for Delete, and press (▲) **ok** to delete the selected satellite service provider from the list.
8. Press (▲) **ok**.
9. Reregister your phone (see Registering phone, page 47).

Erasing from Prohibited List

1. From standby mode, press (▲) **menu**.
2. Press (tuv 8) for System.
3. Press (ghi 4) for SP (service provider) Select.
4. Press (def 3) for Prohb List.
5. Scroll to select a satellite service provider.
6. Press (▲) **erase**.
7. Press (▲) **ok**.
8. Reregister your phone (see Registering phone, page 47).

Force Service Provider Selection

This feature forces the phone to register with a service provider in the following order of priority:

1. The phone attempts to register with your home satellite service provider.
2. The phone attempts to register with service providers on the Preferred List.
3. The phone attempts to register with service providers on the Known List.

To force service provider selection

1. From standby mode, press ⬤ **menu**.
2. Press ⟨tuv 8⟩ for System.
3. Press ⟨ghi 4⟩ for SP (service provider) Select.
4. Press ⟨ghi 4⟩ for Force SPS (service provider selection).
5. Press ⬤ **ok**.

Service Provider

To display the current service provider's name

1. From standby mode, press ⬤ **menu**.
2. Press ⟨tuv 8⟩ for System.
3. Press ⟨jkl 5⟩ for SrvcPrvder.
4. Press ⟨Clr⟩ or ⟨END⟩.

Territory

This feature displays the current service provider's MCC (mobile country code) and MNC (mobile network code).

To display the territory information

1. From standby mode, press ⬤ **menu**.
2. Press ⟨tuv 8⟩ for System.
3. Press ⟨mno 6⟩ for Territory.
4. Press ⟨Clr⟩ or ⟨END⟩.

Manual Mode

The phone operates in Globalstar satellite, digital, or analog mode. You can manually select one of these modes or select auto mode by using this feature. Auto mode means that the phone automatically selects a mode based on your auto mode setting (see Auto Mode, page 50).

The mode you select remains selected until you turn the phone off. If one of the modes is unavailable, it will not display on the screen.

To manually select a mode

1. *Shortcut*: From standby mode, press and hold ✳ ↑ . The following displays:

```
           ⚡    ▰▰▰
  1 Auto Mode
  2 Globalstar
  3 Digital
  4 Analog
```

2. Press:

- ① to select Auto Mode. The message "Initiate Automatic System Acquisition" displays.
- ⓐⓑⓒ② for Globalstar satellite mode. The message "Initiate Globalstar System Acquisition" displays.
- ⓓⓔⓕ③ for Digital mode. The message "Initiate Digital System Acquisition" displays.
- ⓖⓗⓘ④ for Analog mode. The message "Initiate Analog System Acquisition" displays.

Auto Mode

You can set the phone to automatically acquire service for one or more modes in the order of priority that you specify:

- Cell only – Acquire cellular service only. For cellular service (cell only), you choose between digital or analog using the Cell Pref menu.
- Gstar only – Acquire Globalstar satellite service only.
- Cell Pref – Attempt to acquire cellular service first and Globalstar satellite service last.
- Gstar Pref – Attempt to acquire Globalstar satellite service first and cellular service last.

To set auto mode

1. From standby mode, press ▲ **menu**.

2. Press ⓣⓤⓥ⑧ for System.

3. Press ⓣⓤⓥ⑧ for Auto Mode

4. Scroll to select one of the following:

- Gstar Only – Acquire Globalstar satellite service only. Press ▲ **ok**, and the phone returns to standby mode.
- Cell Only – Acquire cellular service only. Press ▲ **ok**, and the Cell Pref menu displays. Go to Step 5.
- Cell Pref – Acquire cellular service first and Globalstar last. Press ▲ **ok**, and the Cell Pref menu displays. Go to Step 5.
- Gstar Pref – Acquire Globalstar satellite service first and either digital or analog mode last. Press ▲ **ok**, and the Cell Pref menu displays. Go to Step 5.

5. If the Cell Pref menu displays, scroll to select one of the following:
   - Analg Only – Prefer analog service only
   - Digtl Only – Prefer digital service only
   - Digtl Pref – Prefer digital service over analog
   - Analg Pref – Prefer analog service over digital
6. Press ⬆ **ok**.

NAM Select

This feature allows you to use up to three different NAMs (number assignment modules), or phone numbers, if you have service with multiple cellular service providers. The NAMs are entered into the phone by your service providers.

You can select the NAM you want to use by accessing these options:

- Auto NAM – Automatically switches NAMs, if appropriate, during system searches to look for home area service.
- Set NAM – Manually sets the NAM.
- Set System – Sets your system preference. Set System only affects cellular service. It does not affect Globalstar roaming.

To set Auto NAM

1. From standby mode, press ⬆ **menu**.
2. Press ⑧ for System.
3. Press ⑨ for NAM Select.
4. Press ① for Auto NAM.
5. Scroll to select "yes" or "no."
6. Press ⬆ **ok**.

To set the NAM

1. From standby mode and Auto NAM set to "no," press ⬆ **menu**.
2. Press ⑧ for System.
3. Press ⑨ for NAM Select.
4. Press ② for Set NAM.
5. Scroll to select the NAM.
6. Press ⬆ **ok**.

To set the system

1. From standby mode, press ⬆ **menu**.
2. Press ⑧ for System.
3. Press ⑨ for NAM Select.
4. Press ③ for Set System.

5. Scroll to select one of the following:
   - Automatic – Use home system, but if not found use another system
   - No Roaming – Use only the home system
   - A only – Use cellular "A" system only
   - B only – Use cellular "B" system only

Battery Care and Maintenance

Learn about battery care, battery charging, and battery removal and replacement in this section.

Battery

The phone comes with a rechargeable battery that is located on the back of the phone:
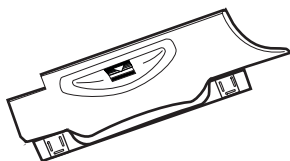
The following is typical battery performance:

Service Mode	Talk Time	Standby Time
Globalstar satellite	3.5 hours	9 hours
Digital	4.5 hours	72 hours
Analog	2.5 hours	14 hours

Battery care and charging

The battery charge level indicator is shown at the top right of the screen and ranges between four diagonal bars (full charge) to one bar (minimal charge) to no bars and blinking (no charge):

Charge the battery immediately after purchasing the phone to maximize the talk and standby times. The battery does not need to be completely drained before you recharge it. See Low battery, page 54, for more information.

Follow these guidelines for batteries:

■   Only use QUALCOMM batteries and chargers designed for your phone. Do not use any other battery or charger. You cannot overcharge QUALCOMM batteries with QUALCOMM chargers.

■   To maximize battery life, set the backlight option to "off" (see Backlight, page 38).

- To prevent damage, do not charge the battery in temperatures less than +32 °F (0°C) or greater than +104 °F (+40 °C). Do not use the battery in temperatures less than –4 °F (–20 °C) or greater than +140 °F (+60 °C).
- Do not use the battery charger in direct sunlight or in places with excessive humidity, such as a bathroom.
- Keep the metal contacts at the top end of the battery clean.
- Never dispose of the battery in a fire.
- Do not try to disassemble or short circuit the battery.
- Recharge the battery if the phone has not been used for several months.
- Do not store batteries in places where temperatures are below –22 °F (–30 °C) or above +140 °F (+60 °C).

Battery chargers

Charge the batteries with the AC wall charger, universal travel charger, or cigarette lighter adapter (see Accessories, page 61). The battery does not need to be completely drained before you recharge it.

The universal travel charger allows you to charge the battery while it is attached to the phone whether the phone is turned on or off. You can also charge another battery at the same time.

After you connect the phone to one of the chargers, check the charging status:

- If the battery is charging, a message displays and the bars on the battery indicator ▱▰▰▰ flash in sequence.
- When charging is complete, a message displays on the screen.

The typical charge time to 90% charge level for the universal travel charger, cigarette lighter adapter, and AC wall charger is 2-1/2 hours.

Low battery

The phone alerts you when the battery is low:

- The battery indicator flashes.
- The phone beeps three times (if you are on a call, the phone continues to beep every minute).
- The message "Low Battery! Recharge Battery Soon" displays on the screen.

If the battery level gets too low, the phone turns off and loses any function in progress. Before turning off, the phone alerts you with five beeps and the message "Low Battery, Turning Off Phone Now" displays on the screen.

Battery removal

1. Turn the power off to avoid losing data.
2. Press and hold the battery release latch in the direction of the arrow to release it from the phone.
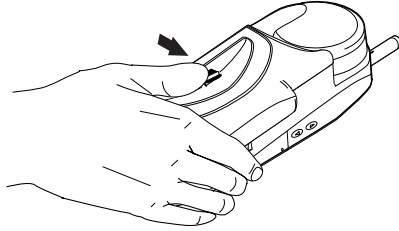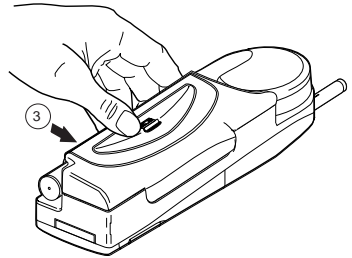
Battery replacement

1. If a battery is already installed, turn the power off to prevent losing data and then remove the battery.
2. Insert the new replacement battery by lining up the positioning tabs (see arrows) and rotating it into place.
3. Press down on the battery until it locks.
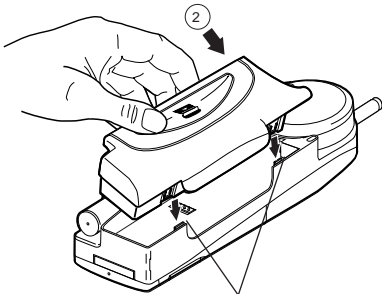
Positioning Tabs

Learn the safety information for wireless handheld phones in this section.

Exposure to radio frequency signals

Your wireless handheld portable telephone is a low power radio transmitter and receiver. When it is ON, it receives and also sends out radio frequency (RF) signals.

In August, 1996, the Federal Communications Commissions (FCC) adopted RF exposure guidelines with safety levels for hand-held wireless phones. Those guidelines are consistent with the safety standards previously set by both U.S. and international standards bodies:

■   ANSI C95.1 (1992)[1]
■   NCRP Report 86 (1986)[2]
■   ICNIRP (1996)[3]

Those standards were based on comprehensive and periodic evaluations of the relevant scientific literature. For example, over 120 scientists, engineers, and physicians from universities, government health agencies, and industry reviewed the available body of research to develop the ANSI Standard (C95.1).

The design of your phone complies with the FCC guidelines (and those standards).

Antenna care

Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the phone and may violate FCC regulations.

Phone operation

Normal POSITION: Hold the phone as you would any other telephone with the antenna pointed up and over your shoulder.

TIPS ON EFFICIENT OPERATION: For your phone to operate most efficiently:

■   Extend your antenna fully.
■   Do not touch the antenna unnecessarily when the phone is in use. Contact with the antenna affects call quality and may cause the phone to operate at a higher power level than otherwise needed.

1.   American National Standards Institute
2.   National Council on Radiation Protection and Measurements
3.   International Commission on Non-Ionizing Radiation Protection

Driving

Check the laws and regulations on the use of wireless telephones in the areas where you drive. Always obey them. Also, if using your phone while driving, please:

■ Give full attention to driving – driving safely is your first responsibility;
■ Use hands-free operation, if available;
■ Pull off the road and park before making or answering a call if driving conditions so require.

Electronic devices

Most modern electronic equipment is shielded from RF signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone.

Pacemakers

The Health Industry Manufacturers Association recommends that a minimum separation of six (6") inches be maintained between a handheld wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research.

Persons with pacemakers:

■ Should ALWAYS keep the phone more than six inches from their pacemaker when the phone is turned ON;
■ Should not carry the phone in a breast pocket;
■ Should use the ear opposite the pacemaker to minimize the potential for interference.
■ If you have any reason to suspect that interference is taking place, turn your phone OFF immediately.

Hearing aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your service provider.

Other medical devices

If you use any other personal medical device, consult the manufacturer of your device to determine if they are adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information.

Turn your phone OFF in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted facilities

Turn your phone OFF in any facility where posted notices so require.

Aircraft

FCC regulations prohibit using your phone while in the air.

Switch OFF your phone before boarding an aircraft.

Blasting areas

To avoid interfering with blasting operations, turn your phone OFF when in a "blasting area" or in areas posted: "Turn off two-way radio".   Obey all signs and instructions.

Potentially explosive atmospheres

Turn your phone OFF when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include fueling areas such as gasoline stations; below deck on boats; fuel or chemical transfer or storage facilities; vehicles using liquefied petroleum gas (such as propane or butane); areas where the air contains chemicals or particles, such as grain, dust, or metal powders; and any other area where you would normally be advised to turn off your vehicle engine.

For vehicles equipped with an air bag

An air bag inflates with great force. DO NOT place objects, including both installed or portable wireless equipment, in the area over the air bag or in the air bag deployment area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.

The optional accessories described in this section are available from your satellite or cellular service provider.

⚠️ **Caution**

Allow only authorized personnel to service the accessories. Unauthorized service can invalidate the warranty.

Battery

An extra battery allows you to have a charged battery available at all times.

Leather case

A leather case with a wrist strap protects your phone and provides carrying convenience.

AC wall charger

The North American and European version AC wall chargers supply power to the phone and fast charge the battery while it is attached to the phone. Both chargers operate at 110V and 220V.

Universal travel charger

The universal travel charger allows you to charge a battery attached to the phone. At the same time, you can charge a battery detached from the phone and installed in the universal travel charger. Three optional plugs are available to adapt the universal travel charger for use in different countries.

Cigarette lighter adapter

The cigarette lighter adapter supports both U.S. and European vehicles. (For U.S. vehicles, simply remove the sleeve from the adapter.)

Plug the adapter into your vehicle's cigarette lighter to supply power to the phone (with or without the battery attached). You can also fast charge the battery at the same time.

Data cable

A five-foot data cable allows you to connect your phone directly to IBM PC-compatible computers (RS-232 compatible serial port).

Hands-free car kit

With the QUALCOMM Globalstar Hands-Free Car Kit, you can adapt your phone for hands-free operation in your vehicle. For more information, see the *QUALCOMM Globalstar GCK-1400 Hands-Free Car Kit Installation/ User Guide.*

⚠ **Caution**
   Allow only authorized personnel to install or service the car kit. Faulty installation or service can be dangerous and can invalidate the warranty.

Troubleshooting

If you have a problem with your phone that you cannot solve by following these troubleshooting tips, contact your satellite or cellular service provider. (You may have different service providers for Globalstar satellite service and cellular service.)

Problem	Solution
Turning the phone on	■ Hold (Pwr) for more than one second. ■ Check the battery installation. ■ Recharge or replace the battery.
Charging the battery	■ Install only QUALCOMM batteries. ■ Check that the battery contacts are clean and dry. ■ Check the charger connection. ■ Check the battery temperature. If it is too warm, allow it to cool before recharging it. ■ Replace the battery if it is several years old.
Battery draining quickly	■ Check that your Globalstar satellite antenna is pointing straight up and has a clear view of the sky to conserve battery life. ■ Set the backlight option to "off" (see Backlight, page 38). ■ Replace the battery if it is several years old. ■ Check the battery temperature. If temperatures are too warm or too cold, battery life is decreased.

Problem	Solution
Making calls	■ Rotate or fully extend the appropriate antenna.
	■ In Globalstar satellite mode, be sure the satellite antenna has a clear view of the sky.
	■ Check that you selected the correct service mode:
	Globalstar: Press and hold ✱ to display the mode menu, and press (abc 2) for Globalstar.
	Cellular: Press and hold ✱ to display the mode menu, and press (def 3) for Digital or (ghi 4) for Analog.
	■ Remove all service providers from the Prohibited List (see Erasing from Prohibited List, page 48).
	■ If "Service Not Found" displays, check the auto preference and mode selection settings (see Auto Mode, page 50, and Manual Mode, page 49).
	■ Check the signal strength indicator.
	■ Check that the security module is properly installed. If the security module was removed, turn the phone off and on.
	■ If "Calling is Restricted" displays, check the Restrict Phone setting under the Security menu.

Problem	Solution
Receiving calls	■ Check that the phone is turned on. ■ Check that the ringer is loud enough. ■ Rotate or fully extend the appropriate antenna. ■ In Globalstar satellite mode, be sure that the satellite antenna has a clear view of the sky. ■ Check that you selected the correct service mode: *Globalstar*: Press and hold ⟨* ⟩ to display the mode menu, and press ⟨abc 2⟩ for Globalstar. *Cellular*: Press and hold ⟨* ⟩ to display the mode menu, and press ⟨def 3⟩ for Digital or ⟨ghi 4⟩ for Analog. ■ Remove all service providers from the Prohibited List (see Erasing from Prohibited List, page 48). ■ Check the signal strength indicator. ■ Check that the security module is properly installed. If the security module was removed, turn the phone off and on.
Losing calls	■ In Globalstar satellite mode, be sure that your satellite antenna is pointing straight up when placed next to your head and when using the keypad or viewing the screen. ■ In Globalstar satellite mode, be sure that the satellite antenna has a clear view of the sky. ■ Rotate or fully extend the appropriate antenna. ■ Check the signal strength indicator.
Remembering your lock code or PIN (personal identification number)	■ Contact your satellite or cellular service provider for the lock code for the Security menu or phone lock feature. ■ Contact your cellular service provider for the PIN used to make analog calls.

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