



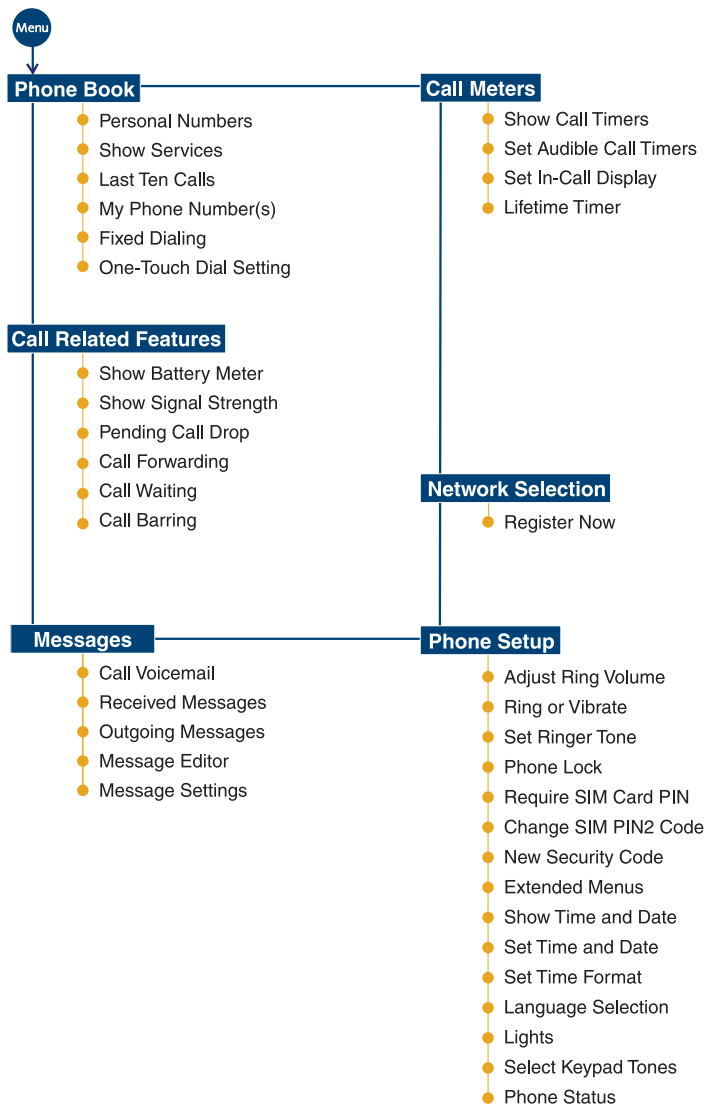
# IRIDIUM



## 9505A Satellite Phone User's Guide



# Options Menu Quick Reference





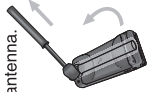
----- Represents functions not on front of phone.

## HELPFUL HINTS

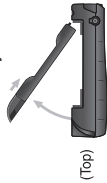
- Need clear view of sky, outdoors, away from buildings and tall structures. Rotate and fully extend antenna into a vertical position.
- Wait until registration is complete (you will see Registered and the and indicators). If no registration ( missing), press .
- To dial, press: [ ] or [ and hold for two seconds], [country code], [phone number], .
- Talk with antenna above your head and vertical to the ground.

## Getting Started

1. Rotate and extend the antenna.

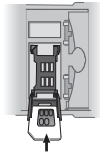


2. Remove battery door.



(Top)

3. Insert the SIM card.



4. Push down and slide the SIM card tray to the right.



5. Attach battery door cover.



(Top)

6. Install the battery by matching arrows on phone and battery.



(Top)

7. Attach charging device.



## 9505A PORTABLE QUICK REFERENCE

### Basic Operation

**Turn the phone's power on/off:** Press and hold **[Power]**.

**Place a call:** You need a clear view of the sky, away from tall structures. Rotate and extend the antenna in a vertical position. To dial, press: **[0]** **[\*]** **[0-9]** **[\*]** and hold for two seconds, [country code], [phone number], **[\*]**.



**Answer a call (with antenna rotated and extended):**

Phone rings and/or vibrates

After Call followed by **[Answer?]** is in display, press **[\*]**.

**Answer a call (with antenna stowed):**

Phone chirps

Rotate and extend antenna

Phone will ring and/or vibrate

After Call followed by **[Answer?]** is in display, press **[\*]**.

**End a call:** Press **[\*]**.

### Special Features

**Adjust earpiece volume:**

Press upper and lower volume keys on the side of the phone.

**Adjust ringer volume:**

Press **[Up]** and then the upper and lower volume keys on the side of the phone.

**Clear the last digit in the display or exit a submenu:**

Press **[C]**.

**Clear the entire display or exit the menu system:**

Press and hold **[C]**.

**Select prompt language:**

Press and hold **[C]** to return to idle display.

Press **[Menu]** **[2-9]** **[6-9]** **[\*]** to go to the language selection submenu.

Press **[Menu]** until you see the preferred language.

Press **[\*]** to select.

## Special Features Continued

**Keypad disable:**

Press **[\*]** and **[#]** keys simultaneously to prevent accidental usage of the phone. All keys with the exception of the **[\*]** key will be disabled. You can still answer an incoming call by pressing **[\*]** when the keypad is locked. To remove the keypad disable, press **[\*]** and **[#]** simultaneously.

### Quick Access Menu

Factory default for satellite mode.

1. Find Name
2. Mute
3. Call Voicemail
4. Battery Meter
5. Lock Now
6. Vibrate On/Off
7. Read Messages
8. Register Now
9. Forward On/Off

### Phone Book

**Recall a number from the phone book:**

1. Press **[\*]**.
2. Enter the one-, two-, or three-digit location number of the entry, and then press **[\*]**.
3. Press **[\*]** to call the displayed entry.

**Recall last ten numbers dialed:**

1. Press **[Menu]** until you see Phone Book, and then press **[\*]**.
2. Press **[Menu]** to scroll to Last Ten Calls, and then press **[\*]** to select.
3. Press **[Menu]** to scroll to Last Calls Made and then press **[\*]** to select.
4. Press **[Menu]** to scroll to the number you are looking for.
5. Press **[\*]** to place a call to that number.



The 9505A Satellite Telephone, working exclusively within the Iridium Satellite Communications System, outperforms other current communications equipment. Designed and manufactured to exacting standards, it is small, light and resistant to water, dust, shock and environmental variables and is ideal for remote areas and rugged conditions.

Only Iridium offers complete coverage of the most remote points on Earth—oceans, land masses, airways, and even polar regions—and a comprehensive range of mobile and fixed wireless products. No matter where on the globe, your telephone remains in contact at all times and provides a clear signal.

With Voice and Data Service, the Iridium 9505A Satellite Telephone provides the ultimate solution to your communications needs.

Customize your own package of satellite services, designed for flexible, global coverage, and enjoy your state-of-the-art 9505A Satellite Telephone!

**Anytime.  
Anywhere.**

**You have Iridium.**



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# ***Safety Information***

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**Important:** Read this information before using your satellite phone.

## ***Exposure to Radio Frequency Signals***

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

International agencies have set standards and recommendations for the protection of public exposure to RF electromagnetic energy.

- International Commission on Non-Ionizing Radiation Protection (ICNIRP)
- Verband Deutscher Elektrotechniker (VDE)
- United States Federal Commission, Radio Frequency Exposure Guidelines
- National Radiological Protection Board of the United Kingdom
- American National Standards Institute (ANSI) IEEE. C95. 1-1992
- National Council on Radiation Protection and Measurements (NCRP). Report 86
- Department of Health and Welfare Canada. Safety Code 6

These standards are based on extensive scientific review. For example, over 120 scientists, engineers, and physicians from universities, government health agencies, and industry reviewed the available body of research to develop the updated ANSI standard.

The design of your phone complies with these standards when used as described under "Phone Operation" on page 9.

## ***Specific Absorption Rate Data***

**This model phone meets international standards for exposure to radio waves.**

Your satellite phone is a radio transmitter and receiver. It is designed and manufactured not to exceed limits for exposure to radio frequency (RF) energy. These limits are part of comprehensive guidelines and established permitted levels of RF energy for the general population. The guidelines are based on standards that we developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The guidelines include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. Under the guidelines for this model, the SAR limit is 2.0 W/kg. \*Tests for SAR were conducted in accordance with CENELEC and FCC testing procedures using standard operating positions with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR of the phone while operating can be below the maximum value.

Before a phone model is available for sale to the public, it is tested to confirm compliance with the guidelines. The tests are performed in positions and locations (e.g., at the ear and worn on the body) that conform to a uniform testing methodology determined by an expert standards body. The highest SAR level recorded from this product was 0.357 mW/g for a 1g cube which was below the uncontrolled (i.e. general population) limit. While there may be differences between the SAR levels of various phones and at various positions, they all meet the governmental requirements for safe exposure. PLEASE NOTE THAT MODIFICATIONS TO THIS PRODUCT MODEL COULD CAUSE DIFFERENCES IN THE SAR VALUE FOR LATER PRODUCTS; IN ALL CASES, PRODUCTS ARE DESIGNED TO BE WITHIN THE GUIDELINES.

## ***Antenna Care***

Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the phone and may violate government regulations. When using remote mount antenna, mount antenna at least 20 cm away from the user.

## ***Phone Operation***

**Normal Operation:** Hold the phone as you would any other telephone. Rotate the antenna to either the left or right detent, and make sure the antenna is fully extended. The antenna should be vertical to the ground and have a clear unobstructed view of the sky.

**Tips on Efficient Operation:** For your phone to operate most efficiently:

- Rotate and extend your antenna fully.
- Make sure the antenna has a clear unobstructed view of the sky.
- 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.
- Do not wear the phone on your body while making calls with the headset accessory. Wearing the phone on the body can interfere with proper phone operation, since the antenna requires a clear unobstructed view of the sky to access the Iridium<sup>®</sup> satellite network.

## ***Batteries***

**Caution:** All batteries can cause property damage, injury or burns if a conductive material, such as jewelry, keys or beaded chains, touches exposed terminals. The material may complete an electrical circuit and become quite hot. To protect against such unwanted current drain, exercise care in handling any charged battery, particularly when placing it inside your pocket, purse or other container with metal objects.

**Caution:** Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to instructions on page 36.

## ***Driving***

Check the laws and regulations on the use of wireless telephones in the areas where you drive. Always obey them. Many local governments prohibit the use of mobile telephones while driving. Observe the following guidelines when using your phone while driving.

- Give full attention to driving—driving safely is your first responsibility.
- Use hands-free phone operation, if available.
- Pull off the road and park safely before making or answering a call.

## ***Electronic Devices***

Most modern electronic equipment is shielded from RF signals. However, certain 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 inches (6") 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
- should turn the phone OFF immediately if you have any reason to suspect that interference is taking place

### ***Hearing Aids***

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your hearing aid manufacturer to discuss alternatives.

### ***Other Medical Devices***

If you use any other personal medical device, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Consult your physician to determine compatibility with your medical device.

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***

Airline regulations prohibit using your phone while in the air. Check and comply with the policy of your airline regarding the use of your phone while the aircraft is on the ground.

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 and do not remove your battery when you are in any area with a potentially explosive atmosphere. Obey all signs and instructions. Sparks from your battery 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, but are not limited to: fueling areas such as gasoline stations; below deck on boats; fuel or chemical transfer or storage facilities; areas where fuel odors are present (for example, if a gas/propane leak occurs in a car or home); areas where the air contains chemicals or particles, such as grain, dust, or metal powders; and any other area where you normally would 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, serious injury could result.



# Overview

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This chapter provides an overview of this user's guide, your new satellite phone, and available accessories.

## ***Export Compliance Information***

This product is controlled by the export laws and regulations of the United States of America. The U.S. Government may restrict the export or re-export of this product to certain individuals and/or destinations. for further information, contact the U.S. Department of Commerce, Bureau of Industry and Security or visit [www.bis.doc.gov](http://www.bis.doc.gov).

# Guide Overview

## Key Presses

Key presses are represented in this guide using symbols. A sequence of key presses may be shown as follows:



This means you should press  followed by  and then , in sequence, not simultaneously.

## Prompts and Messages

Your phone responds to key presses by displaying either a prompt that guides you to the next action or a message confirming that your action is complete. Prompts and messages are represented in this guide in LCD style, for example: Enter PIN or Completed.

## Tips

In the margins of this guide are useful hints and ways to improve your phone's performance.

# Phone Overview



**Note:** Phone shown with antenna in stowed position.

## Special Keys

| Key                                                                               | Function                                                                                                             |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
|  | Turns the phone's power on and off                                                                                   |
|  | Selects menu settings or options, or initiates and answers calls                                                     |
|  | Takes you directly to the Messages menu, where you can call your voicemail number or read messages you have received |
|  | Stores numbers in the phone book                                                                                     |
|  | Recalls numbers from the phone book                                                                                  |
|  | Enters the Quick Access menu                                                                                         |
|  | Enters the Options menu and scrolls forward through menu features                                                    |
|  | Clears characters from the screen or exits the Options menu                                                          |
|  | Scrolls backward or forward through menu features                                                                    |

## Volume Control Keys

The volume control keys are located on the left side of the phone. They adjust earpiece and ringer volume. See “Adjust Earpiece Volume” on page 48 and “Adjust Ringer Volume” on page 49 for more information.

## Satellite Antenna

You must rotate and fully extend the satellite antenna to answer calls, make calls, and access satellite services.\* See “Holding the Phone” on page 40 for more information.

\* Satellite products require a clear line of sight to satellite.

## ***Satellite Antenna Lock Release Button***

This button releases the satellite antenna so you can attach the auxiliary antenna.

## ***Display***

Your phone's Liquid Crystal Display (LCD) displays as many as four rows of 16 characters.

The LCD on your phone may respond slowly to key presses in extremely cold temperatures. This is normal and does not affect the phone operation in any way.

## ***Headset Jack***

The headset jack located on the right side of the phone provides a connection for an optional headset.

## ***Power Connector***

This connector, located at the bottom left of the phone, provides the connection for an external power supply.

## ***Data Connector***

This connector, located on the bottom of the phone, provides the connection for a data cable.

## Status Indicator

The status indicator is located at the top of your phone. This LED indicator provides information on your phone's current state of service.

| If the LED is...          | Then...                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------|
| Alternating red and green | A call is incoming.                                                                                 |
| Flashing green            | You are receiving a signal from the Iridium satellite network. You can make and receive calls.      |
| Flashing yellow           | You are temporarily unable to make or receive calls. Try again in a few minutes.                    |
| Flashing yellow and red   | Your SIM card may be inserted incorrectly, may not be inserted, or you may be in a restricted area. |
| Flashing red              | Service is not available.                                                                           |

## Display Status Indicators and Icons

| Indicator                                                                           | Description                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <p><b>Signal Strength Indicator</b> indicates the strength of the signal from the network. The signal strength indicator appears continuously in the top left hand corner of the display. The more segments displayed in the bar graph, the stronger the signal. Five bars indicate full signal strength. No bars indicate a weak signal.</p> |
|    | <p><b>Battery Charge Indicator</b> indicates the strength of the battery charge. The more segments displayed, the greater the battery charge.</p> <p>You can also check the strength of the charge at any time through the menu. See "Viewing the Battery Meter" on page 100 for more information.</p>                                        |
|    | <p><b>Real Time Clock Indicator</b> displays the time in either 12-hour or 24-hour format. See "Change the Time Displayed" on page 139 for more information.</p>                                                                                                                                                                              |
|  | <p><b>Message Indicator</b> appears when you receive a new message. It flashes when the SIM card is full. See "Getting to Received Messages..." on page 109 for additional information.</p>                                                                                                                                                   |
|  | <p><b>Satellite Mode Indicator</b> appears when your phone is in satellite mode.</p>                                                                                                                                                                                                                                                          |
|  | <p><b>Home System Indicator</b> appears when the phone has successfully registered with the Iridium satellite system.</p>                                                                                                                                                                                                                     |

| Indicator                                                                         | Description                                                                                                                                     |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>No Service Indicator</b> appears when your phone is not capable of placing or receiving calls.                                               |
|  | <b>In Use Indicator</b> appears when a call is in progress.                                                                                     |
|  | <b>Scroll Bar</b> appears on the right of the display when you are in a menu. The button on the scroll bar indicates where you are in the list. |
|  | <b>Check Mark</b> indicates a menu item is currently selected.                                                                                  |
|  | <b>Hourglass Icon</b> appears in the display when your phone has to request settings from the network.                                          |
|  | <b>Quick Access Menu Icons</b> allow you to easily identify Quick Access features as you scroll through the Quick Access menu.                  |

# Accessories

Product appearance and specifications are subject to change without notice.

## Batteries

### Lithium Ion Battery



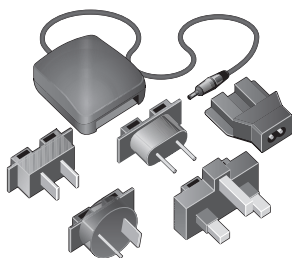
- Provides up to 3.6 hours of talk time or 30 hours of standby time\*
- Weighs 2.2 ounces/63 grams

- \* All talk and standby times are approximate and depend on network configuration, signal strength, and the features selected.

If replacing the battery, the phone should be switched off before removing the battery.

If you want to store the battery for a long period store it in the fully charged state. Batteries that have been stored in a discharged state for longer than 6 months may not be rechargeable.

## ***AC Travel Charger and International Plug Kit***



The AC travel charger and international plug kit provides rapid charge for optimal performance and can be used to power the phone except when the battery is fully depleted. The battery must be installed

when using charger to power phone.

- Includes five international plug adapters for use in Europe, United States of America and Canada, United Kingdom, Australia and India.
- Allows you to use the 9505A portable phone while recharging the battery \*

\* The battery should not be allowed to fully discharge.

## ***Auto Accessory Adapter***

Restores full battery power for portable phone operation from any operating vehicle (using standard 12-volt accessory connector port).



## ***Headset***

The convenient headset provides both an earphone and microphone in one small piece for simple hands-free and private telephone conversations. The headset plugs directly into the jack on the right side of your phone.

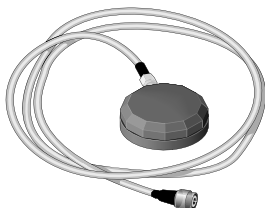


## ***Lanyard Wrist Strap***

The lanyard wrist strap is made of nylon. It provides a convenient way to carry your phone.



## ***Portable Auxiliary Antenna***



From one car to another, this compact pocket-sized antenna with convenient magnetic mount goes in every vehicle you do, to provide improved reception.

- Reliable magnetic mount, ceramic patch antenna
- Attached 1.5-meter cable

**Note:** The use of wireless devices and their accessories may be prohibited or restricted in certain areas. Ensure antenna is mounted 20 cm feet from user or passengers. Always obey the laws and regulations on the use of these devices.

## ***Antenna Adapter***



This adapter provides the required external antenna connection to use your 9505A portable phone with the portable auxiliary antenna.

## ***Carry Case***



This high-quality leather case helps protect your phone. It includes a belt clip and a lanyard wrist strap.

# ***Getting Started***

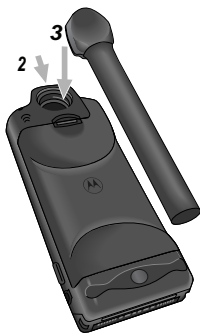
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Getting started with your new satellite phone is easy. Just insert your phone's SIM (Subscriber Identity Module) card and charge the battery. This chapter shows you how.

# Attaching the Satellite Antenna

## Attach the Antenna

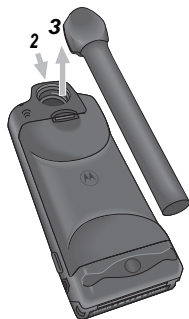
1. **Attach the antenna** in the down position.
2. **Press and hold the lock release button** at the top of the phone.
3. **Push the antenna** until it clicks into place and release the lock release button.



## Remove the Antenna

You may want to remove the satellite antenna to attach an auxiliary antenna.

1. **Place the antenna** in the down position.
2. **Press and hold the lock release button** at the top of the phone.
3. **Remove the antenna** by pulling straight out.



## ***What Is a SIM Card?***

Your SIM (Subscriber Identity Module) card is a small smart card that contains your service details and memory for storing Phone Book entries and messages.

**Note:** Your phone has limited functionality without the SIM card.

### ***SIM Card Protection***

You may want to keep your SIM card in your wallet or purse when you are not using your satellite phone. This helps keep your personal information secure and gives you access to your service even if your phone is not available. If you forget your phone, insert your SIM card into a friend's phone to access your personal service.

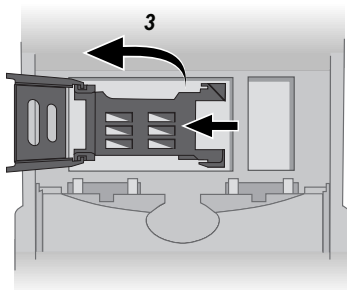
**Caution:** Do not bend or scratch your SIM card, and avoid exposing your card to static electricity, water, or dirt.

## Installing/Removing the SIM Card

The SIM card is stored in a recess in the battery compartment. It is normally covered by the battery when you use your phone.

**Caution:** Make sure your phone is powered off before inserting or removing the SIM card. If you don't, you may damage the memory on your SIM card.

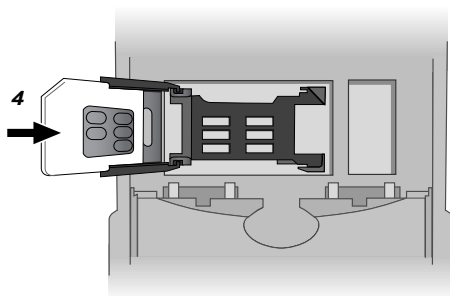
1. **Turn your phone off** by pressing and holding the  key.
2. **Remove the battery cover and battery.**  
(See "Removing the Battery" on page 31.)
3. **Slide the SIM card tray** to the left and **lift up** the right side of the tray.



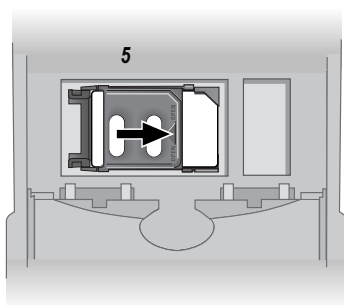
4. **Insert the SIM card into the tray** with the notch up and the gold plate facing out.

or

**Remove the SIM card** from the tray.



5. **Push down the SIM card tray** and **slide the tray** to the right to lock it in place.



6. **Replace the battery and battery cover.**  
(See “Insert the Battery” on page 30.)

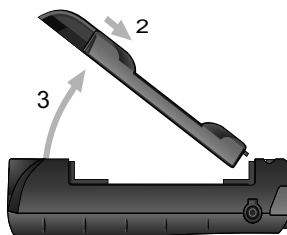
# Installing the Battery

**Tip:** The battery compartment is located on the back of the phone.

## Insert the Battery

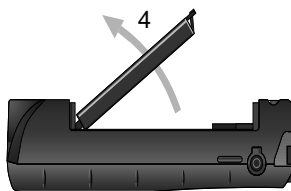
1. **Remove or rotate the satellite antenna** before installing the battery. (See “Attaching the Satellite Antenna” on page 26.)

2. **Press and hold the release latch** at the top of the battery compartment cover.



3. **Pull the cover upward**, and then remove it from the phone.

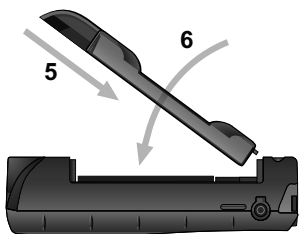
4. Align the arrows on the battery with the arrows in the battery compartment.



### Insert the battery,

bottom end first, into the compartment, and then press the battery downward until it clicks into place.

5. **Insert the bottom end** of the battery compartment cover into the slots at the end of the compartment.

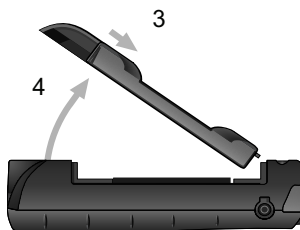


6. **Snap the cover down** into place.

## Removing the Battery

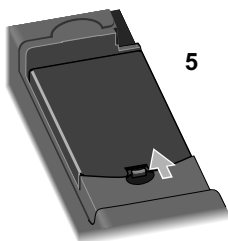
1. **Ensure the phone is switched off.**
2. **Remove or rotate the satellite antenna** before removing the battery. (See "Attaching the Satellite Antenna" on page 26.)

3. **Press and hold the release latch** at the top of the battery compartment cover.



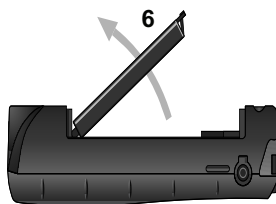
4. **Pull the cover upward**, and then remove it from the phone.

5. **Press and hold the release latch** at the base of the battery.

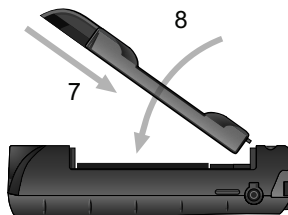


**Tip:** The battery compartment is located on the back of the phone

6. **Pull the battery upward** and out of the phone.



7. **Insert the bottom end** of the battery compartment cover into the slots at the end of the compartment.



8. **Snap the cover down** into place.

# Charging the Battery

Any battery that hasn't been used for a month or more—including new batteries—should be charged for about 3-4 hours before use.

## Using the Internal Charger

A battery charger is built right into your phone. Using either the travel charger or auto accessory adapter, you can plug the handset directly into a power source to charge the installed battery.

**Note:** The battery should only be charged in environments between 0-45°C.

1. **Connect the travel charger** or auto accessory adapter to the phone.



2. **Plug the travel charger** or auto accessory adapter into the appropriate power source. The phone beeps, flashes the  (battery charge) indicator, and displays Charging Battery.
3. If the phone is powered on, **press**  to place the phone in charge-only mode.

If the phone is powered off, it automatically enters charge-only mode.

**Note:** You can still place and answer calls while using the internal charger. If you wish to place or answer a call:

**Press**  to exit charge-only mode and return to normal operation.

Remember that talking on the phone uses power, so charging takes more time.

# Checking Battery Charge Level

## Low Battery Warning

When the battery level is low and only a few minutes of talk-time remains, your phone signals you in two ways:

- Low Battery appears on the display
- A warning tone (two double beeps) sounds

**Note:** To help maintain the best battery and phone performance, recharge your battery as soon as possible after you receive the low battery warning.

## View Battery Meter

The  (battery charge) indicator appears continuously in the upper right corner of the display.

You can also display a more detailed battery meter at any time to check the charge level on your battery. See “Viewing the Battery Meter” on page 100 for more information.

# Battery Information

## Maximizing Battery Life

**Caution:** To prevent injuries or burns, do not allow metal objects to contact or short circuit the battery terminals.

**Caution:** At extreme temperatures (eg.,  $-10^{\circ}\text{C}$ ) battery life capacity is significantly reduced.

To ensure maximum battery life and use your battery to its fullest capacity, observe the following guidelines.

- Always use Iridium approved battery chargers
- Always use Iridium approved batteries
- Maintain the battery at or near room temperature when charging
- When you don't plan on using a particular battery for a while, store the battery in a cool, dark, and dry place
- To prolong the life of your batteries, avoid exposing them to temperatures below  $-10^{\circ}\text{C}$  ( $14^{\circ}\text{F}$ ) or above  $45^{\circ}\text{C}$  ( $113^{\circ}\text{F}$ )
- Always take your phone with you when you leave your car

## Disposing of Batteries

To dispose of batteries, check with your local recycling center for a battery recycler near you. Never dispose of batteries in fire.

# ***Using Your Phone***

---

Read this chapter to learn how to get up and running with your new satellite phone.

# Startup Procedures

## Turn the Power On and Off

1. **Insert your SIM card** if necessary. (See “Installing/Removing the SIM Card” on page 28.)
2. **Press and hold**  to turn the phone on and off.

When you turn your phone's power on, you will hear the wakeup tone (or feel a vibration if the vibrate mode is activated) and see the wakeup screen. The wakeup screen displays a short animated sequence that reminds you to rotate and extend the antenna, and shows how to hold the phone for best reception (see illustration). You may see a number of other power-on messages (described on pages 39-40).



When the  (no service) indicator disappears and the  (home system) indicator appears, you are ready to make a call.

## Power-On Messages

Once your phone is powered on, you may see:

| Message                    | Description                                                                                                                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Searching...               | The phone is attempting to establish communications with the satellite network. See "Accessing the Network" on page 147.                                                                                                                |
| Registering...             | Your phone is registering with the network. When the process is complete, you will see <i>Registered</i> . See "Accessing the Network" on page 147.                                                                                     |
| Check Signal               | Your phone is unable to establish registration with the satellite network. Move to a location with a clear unobstructed view of the sky.                                                                                                |
| Invalid Account            | Contact your service provider.                                                                                                                                                                                                          |
| Enter Phone<br>Unlock Code | Your phone was locked after the last use. Enter your four-digit unlock code and press  to proceed. See "Locking and Unlocking Your Phone" on page 131. |
| Enter PIN                  | Enter the four- to eight-digit SIM card PIN code provided by your service provider and press  to proceed. See "Protecting the SIM Card" on page 133. |
| Insert Card                | Power off your phone, make sure your SIM card is inserted completely, and then power your phone on again.                                                                                                                               |
| Check Card                 | The SIM card is damaged or inserted the wrong way.                                                                                                                                                                                      |

| Message                                                                                   | Description                                                                                                                                                                                                 |
|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Blocked                                                                                   | If the SIM card PIN code is incorrectly entered three times in a row, your phone becomes blocked. See "Unblock the PIN Code" on page 134 for instructions on how to unblock it.                             |
|  Blocked | If the SIM card PIN2 code is incorrectly entered three times in a row, some features (e.g., Fixed Dialing) become blocked. See "Unblock the PIN2 Code" on page 136 for instructions on how to unblock PIN2. |
| Bad Card<br>See Supplier                                                                  | Your SIM card has been damaged or incorrectly issued. Contact your service provider for information.                                                                                                        |

## Holding the Phone

1. **Rotate the antenna** to either the left or right detent. The antenna will stop here.

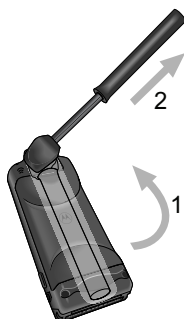


Left Detent



Right Detent

2. **Extend the antenna** by pulling out on the end of it.



The antenna should be vertical to the ground when you talk on the phone (as shown in the following illustration from the wakeup screen animated sequence).



3. Make sure the antenna has a clear unobstructed view of the sky.

## ***Standby Mode***

To conserve energy, your phone may turn off its display backlight when you have not pressed a key for several seconds. The light reappears the next time you press a key.

# Placing a Call

**Tip:** Press and hold **0+** to get +

**Tip:** If you make a mistake, press **C** once to delete the last digit, or press and hold **C** to clear all digits.

To place a call, your phone must be powered on, have a SIM card inserted, be unlocked, and be in contact with the satellite network. See “Accessing the Network” on page 147 for network information.

You can enter a phone number up to a maximum of 20 digits. The digits are displayed in two rows, 16 digits in the top line and four digits in the next line.

## Dial a Number

1. **Rotate and fully extend** the satellite antenna. “See Holding the Phone” on page 40.

2. **Enter the number** using the digit keys. As you begin entering digits, you will see *Call?*.

You must enter the phone number in international format:

[international access code, 00, or +]  
[country code] [phone number]

**Note:** If you are calling another Iridium satellite subscriber, dial the subscriber’s Iridium number.

3. **Press** **OK**. You will see *Calling* followed by the number you dialed.

You will see either the flashing message *Calling* or the flashing messages *Calling*, *Registering...*, and the phone will play a series of setup tones.

If the call connects and is answered, *Connected* appears on the display for a few seconds, followed by *End Call?*.

If the call does not connect, you may see one of the following messages:

| Message                                  | Description                                                                                                                                                                         |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Busy Try Later<br>or<br>Please Try Later | The phone is unable to access the network. Try again in a few minutes.                                                                                                              |
| Restricted Area                          | The phone is unable to access the network. Move to an area where calls are allowed.                                                                                                 |
| Redial?                                  | Press  to redial the number automatically. See "Automatic Redial" on page 43 for more information. |

## ***Automatic Redial***

If the number or your network is busy, you will see Redial? for five seconds.

**Press**  to redial the number automatically.

**Note:** Your phone makes a maximum of ten redial attempts. If the call cannot be connected within this maximum, you will see the message Redial Failed.

## ***Redial Last Number Called***

Whenever your phone is on standby, you can redial the last number called:

1. **Press**  to display the last number dialed.
2. **Press**  again to place the call.

## ***Dial Special Characters***

You can insert special characters in your numbers:

| To enter...                                                                       | Then...                                                    |
|-----------------------------------------------------------------------------------|------------------------------------------------------------|
|  | Press <b>0+</b> .                                          |
| *                                                                                 | Press <b>*</b> .                                           |
| + (for international calls)                                                       | Press and hold <b>0+</b> .                                 |
| ▣ (for pause dialing)                                                             | Press and hold <b>*</b> .                                  |
| supplementary service numbers, PINs, and unblocking                               | Press <b>#</b> or <b>*</b> one or more times as necessary. |

## ***Dial a Number With Pauses***

See “Using Pauses in Numbers” on page 67 for information on dialing numbers with pauses.

## ***Dial a Number from the Phone Book***

Your phone contains a phone book that you can use to store names and telephone numbers. Once you have stored information in your phone book, you can save dialing steps by:

- using one-touch dialing (page 83)
- recalling and dialing an entry by location (page 71)
- recalling and dialing an entry by name (page 70)
- recalling and dialing one of the last ten numbers called (page 80)

See “Managing the Phone Book” on page 59 for information on how to store and retrieve names and numbers from the phone book.

## End a Call

Use one of the following procedures to end a call:

- Press 
- Press 

## Receiving a Call

### Receive a Phone Call

To receive a call, your phone must be powered on, have a SIM card inserted, be unlocked, and be in contact with the satellite network. See “Accessing the Network” on page 147 for network information.

There are two scenarios for receiving calls depending on the antenna position: (1) antenna raised and fully extended, or (2) antenna stowed or in the down position.

### Antenna Raised and Fully Extended

When you receive a call:

- Your phone rings and/or vibrates
- The status indicator alternates red and green
- The phone displays *Call, Answer?* on the next line

To answer the call:

Press  or any digit key (  -  ,  or  ).

You will see *Connected*.

**Tip:** See page 130 to set your phone's alert.

If the call does not connect properly, you may see one of the following messages:

| Message        | Description                                                                             |
|----------------|-----------------------------------------------------------------------------------------|
| Orient Antenna | You need to fully extend the antenna upwards with a clear unobstructed view of the sky. |
| Call Failed    | The antenna is not properly adjusted or the network signal is not strong enough.        |

### ***Antenna Stowed or in the Down Position***

When you receive a call:

- The phone chirps up to three times to alert you of an incoming call
- The phone displays *Call Attempt*

You must rotate and extend the antenna as quickly as possible to receive the call.

Rotate and fully extend the antenna as described in “Holding the Phone” on page 40

You will see *Iridium Call Attempt*. Do not attempt to answer until the phone rings or vibrates.

After several seconds, your phone will ring or vibrate and display *Call* followed by *Answer?* on the next line.

To answer the call:

Press **OK** or any digit key ( **1** - **9**<sup>WXYZ</sup>, **\*** or **#** ).

You will see *Connected*.

If the call does not connect properly, you may see the following message:

| Message        | Description                                                                             |
|----------------|-----------------------------------------------------------------------------------------|
| Orient Antenna | You need to fully extend the antenna upwards with a clear unobstructed view of the sky. |
| Call Failed    | The antenna is not properly adjusted or the network signal is not strong enough.        |

## ***End a Call***

Use one of the following procedures to end a call:

- Press 
- Press 

## ***Unanswered Calls***

If you are away from your phone or choose not to answer a call, your phone displays the message *Unanswered Call*.

## ***Personal Mailbox***

Callers who are unable to reach you can leave numeric, text, and voice messages. The next time you register with the satellite network you will receive these messages. Then you will have the option of saving the message for later viewing.

For information on retrieving messages, see “Accessing Received Messages” on page 108.

## Additional Phone Features

**Tip:** The volume control keys are located on the left side of the phone.

### Lock and Unlock the Keypad

To prevent accidental usage of the phone, press the **#** and **\*** keys simultaneously to lock the keypad. All keys with the exception of the **OK** key are disabled. You can still answer an incoming call by pressing **OK** when the keypad is locked.

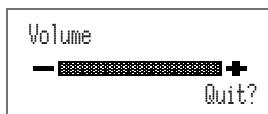
To remove the keypad lock, press **#** and **\*** simultaneously.

### Adjust Earpiece Volume

To adjust earpiece volume:

- **Increase the volume** by pressing the upper volume control key
- **Decrease the volume** by pressing the lower volume control key

As you press the keys, the phone's speaker demonstrates the new volume level. The bar graph in the display represents the volume level. The higher the graph, the louder the volume.



**Note:** You can also use the volume control keys to scroll through Phone Book entries.

## Adjust Ringer Volume

To adjust the ringer volume:

**Press**  and then the up or down volume control key

The phone sounds the new volume level as you adjust it.

**Note:** You can also use the Phone Setup menu to adjust ringer volume. See “Adjust the Ringer Volume” on page 129 for more information.

## View Your SIM Card Phone Number

To retrieve and view your phone number from your SIM card:

Press  

**Notes:** If you do not see your phone number, the number has not been programmed onto your SIM card. You can program your phone number onto your SIM card by following the steps described in “Modify Your Phone Number(s)” on page 82.

You can also use the Phone Book menu to view your phone number. See “View Your SIM Card Phone Number(s)” on page 81 for more information.

**Tip:** *The volume control keys are located on the left side of the phone.*



# ***Using In-Call Features***

---

Read this chapter to learn how to use In-Call menu features. The In-Call menu is displayed when you press  during a call.

## Muting a Call

**Tip:** You can also mute the phone from the Quick Access menu. See “Using the Quick Access Menu” on page 56.

For privacy during a call, try muting the phone. You hear the party on the other end, but the other party does not hear you.

While in a call:

1. **Press**  until you see Turn Mute on or off.
2. **Press**  to select. You will see Mute.

To unmute a call:

1. **Press**  until you see Turn Mute on or off.
2. **Press**  to select.

# Using the Menus

---

Many of your phone's features are organized into lists of options called *menus*. There are three menus:

- The main **Options menu** lets you select and/or adjust phone features
- The **Quick Access menu** gives you instant access to the menu features you use most frequently
- The **In-Call menu** gives you access to call-related features when you are in a call

Some options give you access to additional lists of options called *submenus*.

## Using the Options Menu

The Options menu gives you access to your phone's features and options. You can *not* access this menu during a call.

### Navigate the Options Menu

Learning how to use just a few keys enables you to move freely through the entire menu system.

| If you want to...               | Then...                                                                                                                                                                                                                                                                                                                      |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| enter the Options menu          | <b>Press</b>  . You will see the first available submenu.                                                                                                                                                                                   |
| scroll through the Options menu | <ul style="list-style-type: none"><li>• <b>Press</b>  to scroll forward.</li><li>• <b>Press</b>  to scroll backward or forward.</li></ul>                  |
| select options and submenus     | <b>Press</b>  to select a menu option or submenu when that option or submenu name is displayed.                                                                                                                                             |
| exit features and menus         | <ul style="list-style-type: none"><li>• <b>Press</b>  to exit the feature or submenu.</li><li>• <b>Press and hold</b>  to exit the Options menu.</li></ul> |

## How the Phone Responds

As you scroll through the Options menu, you will see one of three questions on the bottom line of the display.

| If your phone asks... | Then...                                                                                                                  |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------|
| View Options?         | Press  to enter the submenu.            |
| Select?               | Press  to select the displayed feature. |
| Quit?                 | Press  to exit the feature.             |

## Display Messages and Indicators

| If you see...                                                                                       | Then...                                                                                                                     |
|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
|  Completed         | This indicates a feature has been activated.                                                                                |
|  Failed            | The display returns to the menu in a few seconds.                                                                           |
| Enter PIN<br>or<br>Enter Name                                                                       | Enter requested information, then press  . |
|  Busy<br>Try Later | You may have requested information while your phone was completing another task.                                            |
|                  | The scroll bar indicates where you are in a menu.                                                                           |
|                  | Your phone may take a few seconds to request settings from the network.                                                     |

## Customize the Options Menu

To personalize the Options menu—to hide and move features—see “Move Menu Features” on page 160.

## Using the Quick Access Menu

The Quick Access menu is a way to keep your favorite menu options readily accessible. Each digit key, **1** to **9<sub>WXYZ</sub>**, is matched to a Quick Access feature. See the table on page 57 for the default setup.

If you know the number of the feature, activating that option takes only two button presses! If you do not know the number or want to review your options, just scroll through the icon menu and read the tag attached to each option.

### ***Activate the Feature Directly***

To access the feature directly:

**Press** **↑**, and then **press** the digit key of the feature.

### ***Scroll to the Feature***

To scroll to the feature:

1. **Press** **↑**.
2. **Press** **MENU** to scroll through the available features.
3. **Press** **OK** to select a feature.

## Default Quick Access Settings

The following features (and associated icons) are the default settings for the Quick Access menu.

| Key                                                                                                                                              | Icon                                                                                | Quick Access Feature                                                                                                                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| 1                                                                                                                                                |    | <b>Find Name</b> searches your Phone Book by the full name.                                                                          |
| 2 ABC                                                                                                                                            |    | <b>Mute</b> mutes and unmutes a call in progress.                                                                                    |
| 3 DEF                                                                                                                                            |    | <b>Call Voicemail</b> <sup>1</sup> calls your voicemail number to check your voicemail.                                              |
| 4 GHI                                                                                                                                            |    | <b>Battery Meter</b> displays a fuel gauge indicating charge. The more bars, the greater the charge.                                 |
| 5 JKL                                                                                                                                            |    | <b>Lock Now</b> locks your phone immediately.                                                                                        |
| 6 MNO                                                                                                                                            |    | <b>Vibrate On/off</b> activates or deactivates the vibrate alert function.                                                           |
| 7 PQRS                                                                                                                                           |    | <b>Read Messages</b> displays the newest message received.                                                                           |
| 8 TUV                                                                                                                                            |    | <b>Register Now</b> initiates a search for the Iridium satellite network. You must wait three minutes between registration attempts. |
| 9 WXYZ                                                                                                                                           |  | <b>Forward On/Off</b> <sup>1</sup> activates or deactivates unconditional call forwarding depending on the current setting.          |
| <sup>1</sup> You must subscribe to this network feature through your service provider. Contact your service provider for additional information. |                                                                                     |                                                                                                                                      |

## Customize the Quick Access Menu

See “Personalizing the Quick Access Menu” on page 162 for instructions on how to modify the feature selection on the Quick Access menu.



# ***Managing the Phone Book***

---

Your satellite phone can store up to 100 names and numbers, and your SIM card expands memory capacity even more.

You can use the dedicated keys or the Phone Book menu to add and retrieve numbers from the phone book. With the Phone Book menu you can also access phone book maintenance and security features.

# Phone Book Menu

## Phone Book

- Personal Numbers
  - Find Entry By Name
    - Enter Name:
      - Call Number
      - Modify Name Or Number
      - Erase Name And Number
  - Find Entry By Location
    - Enter Location:
      - Call Number
      - Modify Name Or Number
      - Erase Name And Number
  - Add Entry
    - Add To Phone Memory
    - Add To SIM Card Memory
  - Check Capacity
    - Check Phone Capacity
    - Check SIM Capacity
  - Prevent Access
    - No Memory Restrictions
    - To Phone Memory
    - To SIM Card Memory
    - To Phone & SIM Memory
- Show Services
- Last Ten Calls
  - Last Calls Made
  - Erase All Numbers
- My Phone Number(s)
- Fixed Dialing
  - View Fixed Dial List
  - Setup Fixed Dialing
    - On/Off
    - Edit Entry
    - Add Entry
    - Erase Entry
- One-Touch Dial Setting
  - To Phone Memory
  - To SIM Card Memory
  - To Fixed Dial List

## Organizing Your Phone Book

Each name and phone number in your Phone Book is stored in a numbered memory location. The satellite phone has two types of memory—phone memory and SIM card memory.

|                                                                                     | Phone Memory | SIM Card Memory <sup>1</sup> |
|-------------------------------------------------------------------------------------|--------------|------------------------------|
| Personal Numbers                                                                    | 100 entries  | 155 entries                  |
| Fixed Dial Numbers                                                                  | No entries   | 40 entries                   |
| Phone Number Digits                                                                 | 32           | 20                           |
| Name Characters                                                                     | 16           | 16                           |
| Location Numbers                                                                    | 1-100        | 101-255                      |
| 1 SIM card capacity varies depending upon the card issued by your service provider. |              |                              |

Your phone's memory can seem overwhelming if you do not have a strategy for organizing your Phone Book. Begin setting up your Phone Book by asking yourself three questions:

### ***Which numbers do I call most?***

Make a list of the numbers you call most frequently. You will probably want to store these numbers in the first nine memory locations of your Phone Book. You can then dial them with a single keystroke by using one-touch dialing.

## ***When do I use these numbers?***

Group the numbers on the list according to when you use them. Most people call a different set of numbers during the day than they do in the evening and on weekends. You can switch one-touch dialing to your phone's memory (locations 1–9), your SIM card's memory (locations 101–109), or to your fixed dial list (locations 1–9). Store your evening and weekend numbers on one type of memory and your daytime numbers on another.

## ***Which numbers do I need to keep secure?***

**Tip:** *If you have many entries, group them in blocks of ten to make them easier to find.*

Use your SIM card to store the numbers you need to keep secure, like the numbers of friends and family members. You can remove your SIM card and keep it securely in your wallet or purse when you are not using your phone. If you wish, you can even require a PIN code every time your SIM card is inserted into any phone. (To deactivate your PIN code, see “Activate and Deactivate the SIM Card PIN Code” on page 133.) Store more public numbers, like business associates and travel agents in your phone's memory.

## Getting to Personal Numbers...

1. Press  until you see Phone Book, and then press .
2. Press  to scroll to Personal Numbers, and then press .
3. Press  to scroll to one of the features described below.

## Storing Names and Numbers

### Add an Entry

#### Use the Options Menu

1. Follow the steps in “Getting to Personal Numbers...” to get to Add Entry, and then press .
2. Press  to scroll to Add To Phone Memory or Add To SIM Card Memory.
3. Press  to select. You will see Enter Number.
4. Enter a number, and then press . You will see Enter Name.
5. Enter a name (as described in “Entering Names” on page 65), and then press . You will see Enter Location.
6. Enter a one-, two-, or three-digit location number (1-100 for phone memory or 101-255 for SIM memory\*), and then press . You will see Stored XXX.

or

Press  to select the next available location. You will see Stored XXX.

7. Press and hold  to exit the menu.

**Tip:** Numbers should be entered in international format.

\* SIM memory is dependent on your SIM card.

**Tip:** If you have more than one number for the same person, try attaching a descriptive tag to the name, like Home, Office, or Mobile.

## Use the Dedicated Keys

1. Enter the phone number you want to store.
2. Press **M+** to begin storing.
3. Press **MENU** to scroll to Add To Phone Memory or Add To SIM Card Memory, and then press **OK**. You will see Enter Number, followed by the number you entered.
4. Press **OK** to accept the number. You will see Enter Name.
5. Enter a name (as described in "Entering Names" on page 65), and then press **OK**. You will see Enter Location.
6. Enter a one-, two-, or three-digit location number, and then press **OK**. You will see Stored XXX.

or

Press **OK** to store the entry in the next empty memory location. You will see Stored XXX.

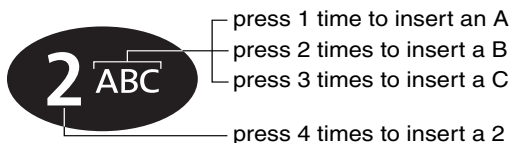
## Adding Entry Messages

When you enter the location number for your entry, you may see one of these messages:

| Message      | Description                                                                                                                     |
|--------------|---------------------------------------------------------------------------------------------------------------------------------|
| Stored XXX   | You have stored the entry.                                                                                                      |
| Range XXX-XX | You have chosen a memory location outside the appropriate range. Enter a new number within the range listed on the display.     |
| Overwrite?   | You have chosen an occupied location. Press <b>OK</b> to overwrite the location or press any other key to try another location. |

## Entering Names

You can use the keypad to produce any letter in the alphabet. For example, press **2<sup>ABC</sup>** to enter the letters A, B, or C, as shown:



## Enter Characters

1. **Enter a letter** by pressing a key as many times as necessary.
2. **Press** **^v** to move the cursor.
3. **Repeat steps 1 and 2** as many times as necessary, and then **press** **OK**.

## Correct an Entry

To **delete** a character:

1. **Press** **^v** to scroll the cursor to the right of the character you want to delete.
  2. **Press** **C** to delete one character at a time.
- or

**Press and hold** **C** to clear the display.

To **add** a character:

1. **Press** **^v** to scroll the cursor to the location where you want to add a character.
2. **Enter a letter** by pressing a key as many times as necessary.

**Tip:** Press and hold any numeric key to toggle between uppercase and lowercase characters.

## Available Characters

Use this chart as a guide for producing characters:

|                          |                                                                                          |
|--------------------------|------------------------------------------------------------------------------------------|
| <b>1</b>                 | Space . 1 ? ! , @ _ & : " ( ) ' ¨ ¡ ¢ £ \$<br>Space . 1 ? ! , @ _ & : " ( ) ' ¨ ¡ ¢ £ \$ |
| <b>2</b> <sup>ABC</sup>  | A B C 2 Ä Å à æ ß Ç<br>a b c 2 ä å ã æ ß ç                                               |
| <b>3</b> <sup>DEF</sup>  | D E F 3 Δ É è Φ<br>d e f 3 Δ é è Φ                                                       |
| <b>4</b> <sup>GHI</sup>  | G H I 4 Γ ì<br>g h i 4 Γ ì                                                               |
| <b>5</b> <sup>JKL</sup>  | J K L 5 Λ<br>j k l 5 Λ                                                                   |
| <b>6</b> <sup>MNO</sup>  | M N O 6 Ñ Ö ø Ò Ω<br>m n o 6 ñ ö ø ò Ω                                                   |
| <b>7</b> <sup>PQRS</sup> | P Q R S 7 Π Β Σ<br>p q r s 7 Π Β Σ                                                       |
| <b>8</b> <sup>TUV</sup>  | T U V 8 Θ Û ù<br>t u v 8 Θ ù ù                                                           |
| <b>9</b> <sup>WXYZ</sup> | W X Y Z 9 Ξ Ψ<br>w x y z 9 Ξ Ψ                                                           |
| <b>0+</b>                | + - 0 x * / = > < #<br>+ - 0 x * / = > < #                                               |

The upper line for each key shows the uppercase characters. The lower line for each key shows the lowercase characters.

## Using Pauses in Numbers

When you call automated systems, a recorded message prompts you for numbers such as PIN numbers and account numbers. You can store these numbers in the same memory location as the automated system's access number. Separate the numbers with "pauses"—special characters that tell your phone to wait a few seconds before sending additional numbers—and store the string in the same way you would other numbers.

### Enter Pauses in Numbers

1. **Enter the phone number** you use to access the automated system.
2. **Press and hold** . You will see a □ (pause) character inserted into the number entry.
3. **Enter the next group of numbers.** For example, enter your PIN number. If the automated system requires a \* or #, enter those symbols, too.
4. **Repeat steps 2 to 3** as many times as necessary.
5. **To store the entry** follow the procedures in "Add an Entry" on page 63.

**Tip:** You can store 32 characters in a phone memory location, or 20 characters in a SIM card memory location. A pause is equal to one character.

**Tip:** Your phone displays up to 32 digits (two rows of 16 digits) when you enter a number with pauses.

## ***Dial Numbers With Pauses***

To dial a number with pauses:

1. **Recall the entry.** (See “Locating Entries” on page 70.)
2. **Press**  to place the call.

The first pause in the number waits until the call is answered. When the automated system answers, your phone waits a few seconds and then automatically sends the next set of numbers, then the next, until all numbers are sent.

## Using Phone Number Prefixes

You can save time when you dial by storing the prefixes that you often use. This is sometimes called “postscribing.” Your satellite phone allows you to change or add to Phone Book entries without overwriting them.

Store a prefix in your Phone Book just as you would any other number. See “Storing Names and Numbers” on page 63.

### Use a Stored Prefix

To use a stored prefix:

1. **Recall the prefix** from your Phone Book.  
(See “Locating Entries” on page 70.)
2. **Add** the remaining numbers.
3. **Press**  to place the call.

### Change Entry to a Similar Number

To change an entry to a similar number:

1. **Recall the number** from your Phone Book.  
(See “Locating Entries” on page 70.)
2. **Press**  to delete the unwanted digits.
3. **Enter** the replacement digits.
4. **Press**  to place the call.

**Tip:** Try naming the prefix by area, like Downtown, Suburbs, or Germany.

## Getting to Personal Numbers...

1. Press  until you see Phone Book, and then press .
2. Press  to scroll to Personal Numbers, and then press .
3. Press  to scroll to one of the features described below.

## Locating Entries

**Tip:** Your phone sorts SIM card memory and phone memory together alphabetically.

**Tip:** Use the  or  to scroll through Phone Book entries.

### Find an Entry by Name

Search your Phone Book by the first few letters of the entry.

**Note:** If you have restricted access to either SIM card or phone memory, those entries will not be available. For more information, see “Preventing Access to the Phone Book” on page 74.

1. **Follow the steps in “Getting to Personal Numbers...”** to get to Find Entry By Name, and then press  to select. You will see Enter Name.
2. **Enter one or more characters** of the entry, and then press . If necessary, scroll to the entry you are looking for.
3. Press  to access options for that entry, and then proceed to “Calling, Modifying, or Erasing an Entry” on page 72.

## Getting to Personal Numbers...

1. Press  until you see Phone Book, and then press .
2. Press  to scroll to Personal Numbers, and then press .
3. Press  to scroll to one of the features described below.

### Find an Entry by Location

Find an entry by its location number.

#### Use the Options Menu

1. Follow the steps in “Getting to Personal Numbers...” to get to Find Entry By Location, and then press  to select. You will see Enter Location.
2. Enter the one-, two-, or three-digit location number, and then press . You will see the entry displayed.

If you enter an empty location number, you will see Location XXX is Empty. Your phone then selects the next available location. If no numbers are stored, you will see No Numbers Stored.

3. Press  to access options for that entry, and then proceed to “Calling, Modifying, or Erasing an Entry” on page 72.

#### Use the Dedicated Keys

1. Press . You will see Enter Location.
2. Enter the one-, two-, or three-digit location number of the entry, and then press . You will see the entry displayed.

If you enter an empty location number, you will see Location XXX is Empty. Your phone then selects the next available location.

3. Press  to call the displayed entry. You will see the number followed by Calling.

# Calling, Modifying, or Erasing an Entry

Once you have selected a Phone Book entry, you can call, change, or erase that entry.

## Call a Selected Entry

1. **Find an entry**, and then **press** . (See “Locating Entries” on page 70.)
2. **Press**  until you see **Call Number**, and then **press** . You will see the **Selected Name** followed by calling.

## Modify a Name or Number

1. **Find an entry**, and then **press** . (See “Locating Entries” on page 70.)
2. **Press**  until you see **Modify Name Or Number**, **View Options**, and then **press** . You will see **Edit Number**, followed by the phone number stored in that entry.
3. **Enter changes** to the number, and then **press** . You will see the name stored in that entry.
4. **Enter changes** to the name, and then **press** . You will see **Modified XXX**.

## Erase a Name and Number

1. **Find an entry**, and then **press** . (See “Locating Entries” on page 70.)
2. **Press**  until you see **Erase Name And Number**, and then **press** . You will see **Erased xxx**.

**Tip:** For help entering letters or changing entries, see “Entering Names” on page 65.

## Getting to Personal Numbers...

1. Press  until you see Phone Book, and then press .
2. Press  to scroll to Personal Numbers, and then press .
3. Press  to scroll to one of the features described below.

### *Checking Phone Book Capacity*

Use this feature to see how many available memory locations you have in either SIM card memory or phone memory.

1. **Follow the steps in “Getting to Personal Numbers...”** to get to Check Capacity, and then press  to select.
2. Press  until you see Check Phone Capacity or Check SIM Capacity, and then press . You will see XXX Unused Locations.
3. Press and hold  to exit the menu.

## Preventing Access to the Phone Book

You may want to restrict memory access when loaning your phone to others. You can choose to prevent access to the phone memory, SIM memory, or both.

1. **Follow the steps in “Getting to Personal Numbers...”** to get to Prevent Access, and then press  to select.
2. **Press ** until you see the restriction type you desire: No Memory Restrictions, To Phone Memory, To SIM Card Memory, or To Phone & SIM Memory.
3. **Press ** to select the displayed option. You will see Enter Security Code.
4. **Enter security code.** Enter your six-digit security code. You will see Completed.
5. **Press and hold ** to exit the menu.

**Tip:** The factory default security code is: 000000.

**Note:** If you restrict access to either phone memory or SIM memory and try to access an entry stored in that type of memory, you will see a list of the entries that are not restricted. If you prevent access to both your phone memory and SIM memory and then try to access an entry, you will see Restricted.

## Getting to Fixed Dialing...

1. Press  until you see Phone Book, and then press .
2. Press  to scroll to Fixed Dialing, and then press .
3. Press  to scroll to one of the features described below.

## Restricting Phone Use

You can restrict calling on your phone to a list of numbers that you create. When the fixed dialing feature is active, you can only call numbers or use prefixes (for example, country codes or area codes) that exactly match those stored in your fixed dial list. You can store up to 40 entries on your list. These entries are stored on your SIM card.

### Activate Fixed Dialing

Use this feature to activate fixed dialing. For instructions on how to store entries in the fixed dial list, see “Add an Entry” on page 76.

**Note:** The fixed dialing feature restricts access to your SIM memory.

1. **Follow the steps in “Getting to Fixed Dialing...”** to get to Setup Fixed Dialing, and then press  to select. You will see Enter PIN2.
2. **Enter code.** Enter your SIM card PIN2 code, and then press .
3. Press  until you see On or Off, and then press . You will see Completed.
4. Press and hold  to exit the menu.

**Tip:** The default SIM card PIN2 code is 2222.

**Tip:** Phone numbers must be in international format.

**Tip:** See “Entering Names” on page 65 for help entering letters.

## Add an Entry

To add an entry to the fixed dial list:

1. **Follow the steps in “Getting to Fixed Dialing...”** to get to Setup Fixed Dialing, and then **press**  to select. You will see Enter PIN2.
2. **Enter code.** Enter your SIM card PIN2 code, and then **press** .
3. **Press**  until you see Add Entry, and then **press** . You will see Enter Number.
4. **Enter the number,** and then **press** . You will see Enter Name.
5. **Enter the name,** and then **press** . You will see Enter Location.
6. **Enter a location number,** and then **press** . You will see Stored.
7. **Press and hold**  to exit the menu.

## Getting to Fixed Dialing...

1. Press  until you see Phone Book, and then press .
2. Press  to scroll to Fixed Dialing, and then press .
3. Press  to scroll to one of the features described below.

### Erase an Entry

To erase an entry in the fixed dial list:

1. **Follow the steps in “Getting to Fixed Dialing...”** to get to Setup Fixed Dialing, and then press  to select. You will see Enter PIN2.
2. **Enter code.** Enter your SIM card PIN2 code, and then press .
3. Press  until you see Erase Entry, and then press  to select. You will see the first entry in your fixed dial list.
4. Press  to scroll to the number you wish to erase. You will see Erased?.
5. Press  to confirm. You will see Erased.
6. Press and hold  to exit the menu.

**Tip:** You should have received your SIM card PIN2 code from your service provider.

## ***Edit an Entry***

To edit an entry in the fixed dial list:

1. **Follow the steps in “Getting to Fixed Dialing...”** to get to Setup Fixed Dialing, and then **press**  to select. You will see Enter PIN2.
2. **Enter code.** Enter your SIM card PIN2 code, and then **press** .
3. **Press**  until you see Edit Entry, and then **press**  to select. You will see the first entry in your fixed dial list.
4. **Press**  to scroll to the entry you want to change, and then **press** . You will see the current number for that location.
5. **Enter changes** to the number, and then **press** . You will see the current name for that location.
6. **Enter changes** to the name, and then **press** . You will see the current location.
7. **Enter a new location**, and then **press** . You will see Modified.
8. **Press and hold**  to exit the menu.

## Getting to Fixed Dialing...

1. Press  until you see Phone Book, and then press .
2. Press  to scroll to Fixed Dialing, and then press .
3. Press  to scroll to one of the features described below.

### *View Your Fixed Dialing List*

This feature enables you to review, but not change, your fixed dial list.

1. Follow the steps in “Getting to Fixed Dialing...” to get to View Fixed Dial List, and then press  to select. You will see the first number on your fixed dial list.
2. Press  to scroll through the numbers on your fixed dial list.
3. Press and hold  to exit the menu.

## Getting to Phone Book Features...

1. Press  until you see Phone Book, and then press .
2. Press  to scroll to one of the features described below. You will see the feature name, followed by Select?.

### Viewing the Last Ten Calls Made or Received

**Tip:** If you want to add a number from Last Ten Calls to your Phone Book, press  when the number is displayed, then follow the steps in "Storing Names and Numbers" on page 63.

Your phone saves the last ten phone numbers you dialed.

To view the phone numbers of the last ten calls you have made:

1. Follow the steps in "Getting to Phone Book Features..." to get to Last Ten Calls, and then press  to select.
2. Press  to scroll to Last Calls Made or Erase All Numbers, and then press  to select.
3. If you select Last Calls Made, press  to scroll to the number you are looking for, and then press  to place a call to that number.  
  
or  
  
If you select Erase All Numbers, you will see Completed.
4. Press and hold  to exit the menu.

# Viewing and Modifying Your Phone Numbers

## View Your SIM Card Phone Number(s)

You can program up to three phone numbers (such as your voice and data phone numbers) onto your SIM card. Use this feature to view your phone number(s).

1. **Follow the steps in** “Getting to Phone Book Features...” to get to **My Phone Number(s)**.
2. **Press**  to select. You will see your phone's voice phone number followed by **Modify?**.
3. **Press**  to scroll through your numbers.
4. **Press and hold**  to exit the menu.

**Note:** If you do not see your phone number(s), they have not been programmed onto your SIM card. You can program your voice phone number and other phone numbers onto your SIM card by following the steps described in “Modify Your Phone Number(s)” on page 82.

**Tip:** Pressing   also brings up your phone number.

## Getting to Phone Book Features...

1. Press  until you see *Phone Book*, and then press .
2. Press  to scroll to one of the features described below. You will see the feature name, followed by *Select?*.

### ***Modify Your Phone Number(s)***

Use this feature to modify or program your voice phone number onto your SIM card. You can also program other phone numbers (for example, a data phone number) onto your SIM card. You can have up to three phone numbers.

1. **Follow the steps in** “Getting to Phone Book Features...” to get to *My Phone Number(s)*.
2. Press  to select. You will see your phone's voice phone number followed by *Modify?*.
3. Press  to scroll to the number you want to modify.
4. Press  to modify the number. You will see *Edit Number* followed by the number for the selected entry.
5. **Enter changes** to the number, and then press . You will see *Edit Name* followed by the name for the entry selected.
6. **Enter changes** to the name (as described in “Entering Names” on page 65) and then press . You will see *Stored*.
7. Press and hold  to exit the menu.

## Using One-Touch Dialing

One-touch dialing enables you to place calls instantly. You can choose to dial the phone numbers in the first nine memory locations in either your SIM memory, phone memory, or your fixed dial list. You choose which type of memory you want to be active with this feature.

### Set Up One-Touch Dialing

To set the active memory for one-touch dialing:

1. **Follow the steps in** “Getting to Phone Book Features...” **to get to One-Touch Dial Settings,** and then **press**  **to select.**
2. **Press**  **to scroll through To Phone Memory, To SIM Card Memory, or To Fixed Dial List, and then press**  **to select the displayed option.** You will see *Completed*.
3. **Press and hold**  **to exit the menu.**

## Getting to Phone Book Features...

1. Press  until you see Phone Book, and then press .
2. Press  to scroll to one of the features described below. You will see the feature name, followed by Select?.

**Tip:** *You do not need to press  to call the number when you use one-touch dialing.*

### ***Use One-Touch Dialing***

To use one-touch dialing:

**Press and hold** the appropriate digit key.

For example, press and hold  to dial the number stored in location 2 of your phone memory, location 2 of your fixed dial list, or 102 of your SIM memory, depending on your setting.

## Viewing Service Phone Numbers

The show services feature provides a read-only list of service phone numbers that are pre-programmed by your service provider. This list resides on the SIM card and allows for call placement only.

1. **Follow the steps in** “Getting to Phone Book Features...” to get to **Show Services**.
2. **Press**  to select. You will see a list of service phone numbers.
3. **Press**  to scroll to the number you are looking for.
4. **Press**  to place a call to that number.

or

**Press and hold**  to exit the menu.

**Note:** If you do not see any service dialing number(s), they have not been programmed onto your SIM card. Contact your service provider for more information.



# ***Using Calling Features***

---

This chapter describes call-related features. Many of these features are network features that you must subscribe to in order to access.

# Call Related Features Menu

## Call Related Features

- Show Battery Meter
- Show Signal Strength
- Pending Call Drop
  - On/Off
- Call Forwarding<sup>1</sup>
  - Forward When Unavailable
    - On/Off
  - Forward All Calls
    - On/Off
  - Detailed Forwarding<sup>2</sup>
    - Forward Voice Calls
      - Forward All Voice Calls
        - On/Off
      - If Busy
        - On/Off
      - If No Answer
        - On/Off
      - If Not Reachable
        - On/Off
    - Forward Data Calls
  - Cancel All Forwarding
- Call Waiting<sup>1,3</sup>
  - On/Off
- Call Barring<sup>2</sup>
  - Bar Outgoing Calls
    - Intl Calls
    - Intl Calls Except Home
    - All Calls
    - On/Off
  - Bar Incoming Calls
    - When Roaming
    - All Calls
    - On/Off
  - Cancel All Barring
  - Change Bar Password

1 This feature is network and subscription dependent.

2 This feature is network and subscription dependent. It is available only when the extended menus are activated.

## Getting to Call Forwarding...

1. Press  until you see Call Related Features, and then press .
2. Press  to scroll to Call Forwarding, and then press .
3. Press  to scroll to one of the features described below.

### Forwarding Calls When Unavailable

Use this feature when you are unable to answer your phone calls.

**Note:** You must subscribe to this network feature through your service provider. Contact your service provider for additional information.

To activate this feature:

1. **Follow the steps in “Getting to Call Forwarding...”** to get to Forward When Unavailable, and then press  to select. Your phone takes a moment to request the current setting from the network.
2. Press  to scroll to On or Off, and then press  to select.
  - If you select On, continue with **step 3**
  - If you select Off, continue with **step 5**
3. Press  to scroll to Voicemail or Other Number, and then press  to select.
  - If you select Voicemail, continue with **step 5**
  - If you select Other Number, then you will see Enter Number. Continue with **step 4**
4. **Enter the number** you want calls forwarded to, and then press .
5. Press and hold  to exit the menu.

**Tip:** If you have not yet stored a voicemail number, go to page 122 to learn how.

## Getting to Call Forwarding...

1. Press  until you see Call Related Features, and then press .
2. Press  to scroll to Call Forwarding, and then press .
3. Press  to scroll to one of the features described below.

### Forwarding All Your Calls

This feature forwards all of your calls to the number you choose. Your phone does not ring.

**Note:** You must subscribe to this network feature through your service provider. Contact your service provider for additional information.

To activate this feature:

1. **Follow the steps in “Getting to Call Forwarding...”** to get to Forward All Calls, and then press  to select. Your phone takes a moment to request the current setting from the network.
2. Press  to scroll to either On or Off, and then press  to select.
  - If you select On, your phone takes a moment to contact the network and update the setting. You will see Call Forward On. Continue with **step 3**
  - If you select Off, continue with **step 5**

3. Press  to scroll to Voicemail or Other Number, and then press  to select.

- If you select Voicemail, continue with **step 5**
- If you select Other Number, then you will see Enter Number. Continue with **step 4**

4. Enter the number you want calls forwarded to, and then press .

5. Press and hold  to exit the menu.

**Tip:** If you have not yet stored a voicemail number, go to page 122 to learn how.

## Getting to Call Forwarding...

1. Press  until you see Call Related Features, and then press .
2. Press  to scroll to Call Forwarding, and then press .
3. Press  to scroll to one of the features described below.

## Using Detailed Call Forwarding

This feature lets you select the specific situations when you want your calls forwarded. The Forward When Unavailable and Forward All Calls features override the settings you select here.

**Notes:** You must subscribe to this network feature through your service provider. Contact your service provider for additional information

This feature is available only when the extended menus are activated. See “Activating Extended Menus” on page 137

### Voice Calls

To forward voice calls:

1. **Follow the steps in “Getting to Call Forwarding...”** to get to Detailed Forwarding, and then press  to select. Your phone takes a moment to request the current setting from the network.
2. Press  to scroll to Forward Voice Calls, and then press  to select.
3. Press  to scroll to the option you desire: Forward All Voice Calls, If Busy, If No Answer, or If Not Reachable.

4. Press  to select the displayed option. Your phone takes a moment to contact the network and update the setting. You will see **Call Forward On**.
5. Press  to scroll to either **Voicemail** or **Other Number**, and then **press** .
  - If you select **Voicemail**, continue with **step 7**
  - If you select **Other Number**, then you will see **Enter Number**. Continue with **step 6**
6. **Enter the number** you want calls forwarded to, and then **press** .
7. **Press and hold**  to exit the menu.

**Tip:** If you have not yet stored a voicemail number, go to page 122 to learn how.

## Getting to Call Forwarding...

1. Press  until you see Call Related Features, and then press .
2. Press  to scroll to Call Forwarding, and then press .
3. Press  to scroll to one of the features described below.

## Canceling All Forwarding

This feature cancels all call forwarding settings.

**Note:** You must subscribe to this network feature through your service provider. Contact your service provider for additional information.

1. **Follow the steps in “Getting to Call Forwarding...”** to get to Cancel All Forwarding, and then press  to select.

Your phone takes a moment to contact the network and update the setting. You will see Call Forward Off. All call forwarding settings are now set to Off.

2. **Press and hold**  to exit the menu.

## Getting to Call Related Features...

1. Press  until you see Call Related Features, and then press .
2. Press  to scroll to one of the features described below. You will see the feature name, followed by Select?.

### ***Restricting Calls with Call Barring***

You can use call barring to restrict both incoming and outgoing calls. Call barring is useful if you are loaning your phone to others or when you wish to control incoming calls. When you change one of your call barring settings, your phone takes a few seconds to request the setting from the network.

**Notes:** You must subscribe to this network feature through your service provider. Contact your service provider for additional information.

This feature is available only when the extended menus are activated. See “Activating Extended Menus” on page 137

Call forwarding must be disabled before call barring is activated.

## Getting to Call Barring...

1. Press **MENU** until you see Call Related Features, and then press **OK**.
2. Press **MENU** to scroll to Call Barring, and then press **OK**.
3. Press **MENU** to scroll to one of the features described below. You will see the feature name, followed by Select?.

### Bar Outgoing Calls

This feature enables you to receive incoming calls but prevents outgoing calls.

To bar outgoing calls:

1. Follow the steps in "Getting to Call Barring..." to get to Bar Outgoing Calls, and then press **OK** to select. Your phone takes a moment to request the current setting from the network.
2. Press **MENU** to scroll to Intl Calls, Intl Calls Except Home, All Calls, or Off, and then press **OK** to select. You will see Enter Password.

**Note:** Since all Iridium calls are international, Intl Calls, Intl Calls Except Home, are not functional selections.

3. Enter your bar password, and then press **OK**. You will see Call Barring On or Call Barring Off.
4. Press and hold **C** to exit the menu.

**Tip:** The default password is 0000.

## Bar Incoming Calls

This feature allows you to place calls, but refuses incoming calls. Callers hear a recording telling them that you are unavailable. To be sure not to miss a call, see “Using Detailed Call Forwarding” on page 92.

To bar incoming calls:

1. **Follow the steps in “Getting to Call Barring...”** to get to Bar Incoming Calls, and then **press**  to select. Your phone takes a moment to request the current setting from the network.
2. **Press**  to scroll to When Roaming, All Calls, or Off, and then **press**  to select. You will see Enter Password.
3. **Enter your bar password**, and then **press** . You will see Call Barring On or Call Barring Off.
4. **Press and hold**  to exit the menu.

## Getting to Call Barring...

1. Press  until you see Call Related Features, and then press .
2. Press  to scroll to Call Barring, and then press .
3. Press  to scroll to one of the features described below. You will see the feature name, followed by Select?.

### ***Cancel All Barring***

To cancel all call barring settings:

1. Follow the steps in "Getting to Call Barring..." to get to Cancel All Barring, and then press  to select. You will see Enter Password.
2. Enter your bar password, and then press . You will see Call Barring Off. All call barring settings are now set to Off.
3. Press and hold  to exit the menu.

## Change Bar Password

When you subscribe to call barring, your service provider gives you a four-digit bar password. Use this feature to change it to something easy to remember.

1. **Follow the steps in “Getting to Call Barring...”** to get to Change Bar Password, and then **press**  to select. You will see Enter Password.
2. **Enter your bar password**, and then **press** . You will see Enter New Password.
3. **Enter the new bar password**, and then **press** .
4. **Enter the new bar password** again to confirm, and then **press** .
5. **Press and hold**  to exit the menu.

**Tip:** *If you are changing the password for the first time, use the password 0000.*

## Getting to Call Related Features...

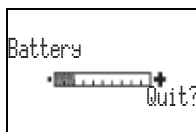
1. Press  until you see Call Related Features, and then press .
2. Press  to scroll to one of the features described below. You will see the feature name, followed by Select?.

### Viewing the Battery Meter

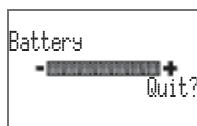
Use this feature to check the charge level on your battery.

1. Follow the steps in "Getting to Call Related Features..." to scroll to Show Battery Meter, and then press  to select.

You will see the battery meter:



Low Charge



High Charge

You may also see one of the following messages:

| Message               | Description                                            |
|-----------------------|--------------------------------------------------------|
| Charging Battery      | The battery is being charged.                          |
| Fast Charge Completed | The battery has completed charging.                    |
| Invalid Batt.         | You have an unapproved battery inserted in your phone. |

2. Press and hold  to exit.

## Viewing Signal Strength

Use this feature to check the strength of the signal that your phone is receiving from the Iridium satellite network.

1. **Follow the steps in** “Getting to Call Related Features...” to get to **Show Signal Strength**.
2. **Press**  to select. You will see **Checking Signal...**

The signal strength indicator is located in the upper left corner of the display:



Signal strength is sampled every four to five seconds; the indicator shows the average strength for the last three samples. The more segments displayed in the bar graph, the stronger the signal. Five bars indicate full signal strength. The indicator shows the tower icon but no bars when the signal is weak.

3. **Press and hold**  to exit the menu.

## Getting to Call Related Features...

1. Press  until you see *Call Related Features*, and then press .
2. Press  to scroll to one of the features described below. You will see the feature name, followed by *Select?*.

### *Deactivating Pending Call Drop Signal*

Under rare circumstances, due to system overcapacity or a satellite outage, a satellite may not be available to take your call. When this happens, your phone notifies you with a series of three consecutive tones and displays *Pending Call Drop*. The tones continue periodically until a new satellite moves into range or the call is dropped.

To activate or deactivate the alert tones:

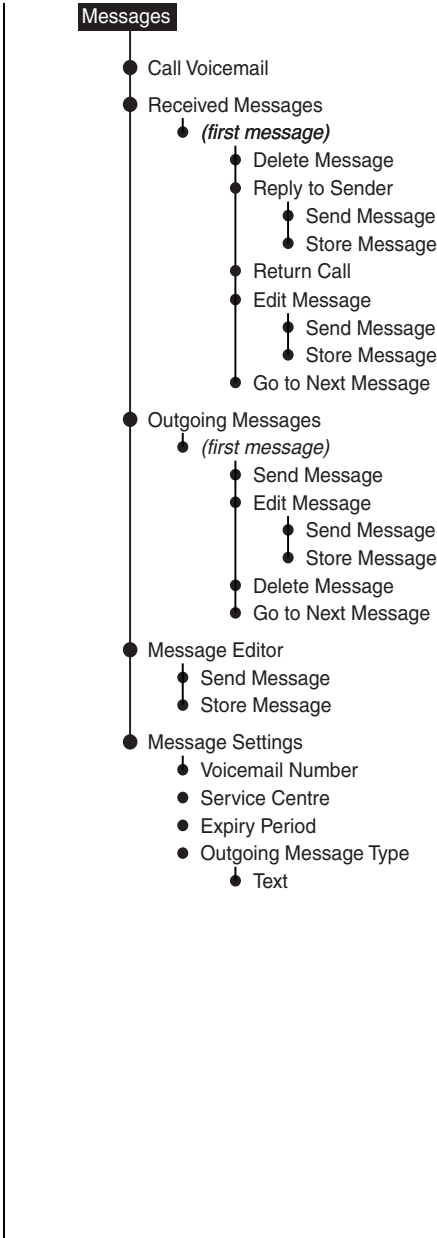
1. **Follow the steps in the “Getting to Call Related Features...”** to get to *Pending Call Drop*, and then **press**  to select.
2. **Press**  to scroll to either *On* or *Off*, and then **press**  to select.
3. **Press and hold**  to exit the menu..

# ***Using Message Services***

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You can receive voicemail notification messages, and send and receive numeric and text messages through your Personal Mailbox service—around the world. Wherever you are, you can have instant reference to all your communication.

# Messages Menu



## Getting to Message Features...

1. Press  to go directly to the Messages menu.  
or  
Press  until you see *Messages*, and then press .
2. Press  to scroll to one of the features described below. You will see the feature name, followed by *Select?*.

## Checking Your Voicemail

This feature makes checking your voicemail simple.

1. Follow the steps in “Getting to Message Features...” to get to *Call Voicemail*.
2. Press  to select. You will see your voicemail number followed by *Callina*.

If you have not previously stored a voicemail number, then you will see *No Number Available*. See “Store Your Voicemail Number” on page 122 for instructions on how to enter a voicemail number.

# Managing Your Received Messages

## **How Your Phone Notifies You of Messages**

If your phone is powered on, it notifies you of received messages in the following ways:

- **An alert sounds and/or the phone vibrates**

Your phone beeps and/or vibrates three times to inform you of an incoming message. (See page 130 for instructions on how to set your phone's alert.)

- **The  (message) indicator is displayed**
- **The message is displayed immediately** and remains on the display for several seconds.

**or**

- **Message Read Now? is displayed** if the message is an alphanumeric text message of up to 160 characters. For more information see "Read a New Message" on page 108

## **How Messages Are Stored**

Your phone stores all messages on your SIM card.

If the message indicator is flashing, your SIM card is full. See "Delete a Message" on page 110 to make room for the new message.

## ***What Messages Contain***

You can receive short text or numeric messages in your Personal Mailbox. Text messages may contain up to 160 characters. Numeric messages—typically phone numbers—may contain up to 20 digits.

Your personal mailbox works along with Call Forwarding. For more information see “Personal Mailbox” on page 47, and the Call Forwarding feature descriptions on pages 89-94.

Messages contain multiple screens with the following information:

- the message
- the date and time the message was sent
- the phone number (if available) from which the message was sent

# Accessing Received Messages

## Read a New Message

### Notification Messages

An incoming voicemail notification message automatically scrolls across your screen. You can:

- Press  to store it on your SIM card
- Press  to delete it

### Text Messages

When you receive a new alphanumeric message, you will see *Message Read Now?* To read it:

1. Press  and continue with **step 2**.

or

Press  to read the message later. See “Read a Stored Message” on page 109.

2. Press  to move forward through a message one screen at a time.
3. Press  to access menu options for the message. These options are described on pages 110-112.

**Note:** If the message storage space on your SIM card is full, you will not be able to store a message for later retrieval. Use the delete message feature (page 110) to make room for new messages on your SIM card.

## Getting to Received Messages...

1. Press  to go directly to the Messages menu.  
or  
Press  until you see *Messages*, and then press .
2. Press  to scroll to *Received Messages*, and then press .
3. Press  to scroll to one of the features described below.

### *Read a Stored Message*

To read a stored message that you have received:

1. **Follow the steps in** “Getting to Received Messages...” to enter the message center. You will see the number of messages stored, followed by the first message. If you do not have any messages, you will see *No Messages*.
2. Press  to scroll through the message one screen at a time.
3. Press  to access menu options for the message.

or

Press and hold  to exit the menu.

## ***Go to the Next Message***

To go to the next message:

1. **Follow the steps** in “Read a Stored Message” on page 109.
2. **Press**  until you see Go To Next Message and then **press** . You will see the next message. If you are at the end of your message list you will see the first message again.
3. **Press**  to scroll through the message one screen at a time.
4. **Repeat steps 2 to 3** to read all of your messages.
5. **Press and hold**  to exit the menu.

## ***Delete a Message***

Use this feature to make room for new messages on your SIM card.

1. **Follow the steps** in “Go to the Next Message” (above) until you see the message you want to delete, and then **press** .
2. **Press**  until you see Delete Message, and then **press** . You will see Message Deleted.
3. **Press and hold**  to exit the menu.

## Reply to Sender

Use this feature to reply to a message.

1. **Follow the steps** in “Go to the Next Message” on page 110 until you see the message you want to reply to, and then **press** .

2. **Press**  until you see Reply to Sender and then **press** .

3. Compose your message. For more information, see the section titled “Managing Outgoing Messages” on page 113.

If you are replying to an email, the sender's email address will appear, and a blinking cursor indicates where you should begin composing your message. Note: Leave a space between the email address and the beginning of your message.

4. **Press** . You will see Send Message.
5. **Press** . You will see Enter Number. If available, the sender's phone number will automatically appear. If you are replying to an email, the standard email response number (00\*2 or +\*2) will appear.
6. Enter number (if none is present) and **press**  to send the message.

## ***Edit a Received Message***

You can edit a message that you have received, then send the modified message and/or store it in the outgoing messages list.

1. **Follow the steps** in “Go to the Next Message” on page 110 until you see the message you want to edit, and then **press** .
2. **Press**  until you see `Edit Message` and then **press** .

The message is copied to the message editor. You will see the final portion of the message displayed in the editing area. The cursor is placed at the end of the message.

For instructions on how to edit a stored message, see “Edit a Stored Message” on page 120.

## Getting to Message Features...

1. Press  to go directly to the Messages menu.  
or  
Press  until you see **Messages**, and then press .
2. Press  to scroll to one of the features described below. You will see the feature name, followed by **Select?**.

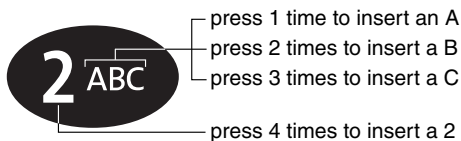
## Managing Outgoing Messages

You can create a new message and send it immediately, or store it in an outgoing messages list for later use. You can also edit a message that you have received, then send and/or save the modified message. Messages are created and edited in the message editor.

### Message Editor

The message editor lets you create a new message or modify a stored message.

You use the keypad to create or edit a message. You can produce any letter in the alphabet by pressing the appropriate key. For example, press  to enter the letters A, B, or C, as shown:



For a complete list of the characters you can enter from the keypad, see page 66.

## Create a New Message

To create a new message in the message editor:

1. **Follow the steps in “Getting to Message Features...”** on page 113 to get to Message Editor, and then **press**  to select.

The message editor displays the contents of the last message entered. If there are no previous messages, the cursor is placed in the upper left corner of the editing area.

2. **Press and hold**  to clear the entire message editor contents, if necessary.
3. Begin composing your message. **Enter a letter** by pressing a key as many times as necessary.
4. **Press**  to advance the cursor.
5. **Repeat steps 3 and 4** as many times as necessary to complete your message.

Lines of text are automatically formatted in the display. When you reach the bottom of the editing area, the top lines of text scroll up and off the display in order to keep the cursor and the last few lines of text in view.

When you have finished composing your message:

6. **Press**  to access options for that entry.

Message editor menu options let you send the message immediately or store it for later use. These options are described on pages 116-117.

**Tip:** Press and hold any numeric key to toggle between uppercase and lowercase characters.

## Create a New Email Message

**Note:** You must subscribe to this network feature through your service provider. Contact your service provider for additional information.

1. **Follow the steps** in “Create a New Message” on page 114 until you get to step 3.
2. Compose your message, starting with the destination email address, followed by a space, and then your message.

For example:

**johndoe@domain.com This is a sample message.**

Note: The maximum length of the entire message (including the destination email address) is 160 characters. The editor will stop after the 160th character has been entered

3. **Press**  to access options for that entry.

## **Edit a Message**

You can edit a new message at any time while you are creating it.

You can also edit received messages or messages stored in the outgoing messages list. See “Edit a Received Message” on page 112 for instructions on how to copy a received message into the message editor. See “Edit a Stored Message” on page 120 for instructions on how to copy an outgoing message into the message editor.

To **delete** text in a message:

1. **Press**  to scroll the cursor to the right of the text you want to delete.
  2. **Press**  to delete one character at a time.
- or
- Press and hold**  to clear the display.

To **add** text to a message:

1. **Press**  to scroll the cursor to the location where you want to add new text.
2. **Enter a letter** by pressing a key as many times as necessary.

## **Send a Message**

To send a message from the message editor:

1. **Press**  to access message editor menu options.
2. **Press**  until you see **Send Message** and then **press** . You will be prompted to enter the destination address or phone number for the message.
3. **Enter the destination address** and then **press**  to send the message.

If the destination is a phone number, enter it beginning with “00” or “+”. If the destination is an email address, enter “00\*2” or “+\*2”.

The message is sent to your message service centre, which forwards the message to its final destination. You will see *Message Sent* when the message arrives at the service centre.

If the message cannot be delivered to the service centre, you will see *Message Failed*, followed by *Resend?* on the next line. You can:

**Press**  to resend the message.

**or**

**Press**  to abandon the attempt to send the message at this time. See “Store a Message” on page 117 for instructions on how to store the message for later mailing.

If you have not previously stored a service centre number, then you will see *No Service Centre*. See “Enter Service Centre Number” on page 123 for instructions on how to enter a service centre number.

### ***Store a Message***

To store the contents of the message editor to the outgoing messages list:

1. **Press**  to access message editor menu options.
2. **Press**  until you see *Store Message* and then **press** . You will see *Stored to Outgoing*.

Outgoing messages are stored on your SIM card. When the SIM card is full (indicated by a flashing message indicator), you will not be able to store a message for later retrieval. Use the delete message feature (page 121) to make room for new messages on your SIM card.

## Getting to Outgoing Messages...

1. Press  to go directly to the Messages menu.  
or  
Press  until you see Messages, and then press .
2. Press  to scroll to Outgoing Messages, and then press .
3. Press  to scroll to one of the features described below.

### *Read a Stored Message*

This feature displays the first message stored in the outgoing messages list.

To read a stored message:

1. **Follow the steps in** “Getting to Outgoing Messages...” to enter the message center. You will see the number of messages stored, followed by the first message. If you do not have any messages, you will see No Messages.
2. Press  to scroll through the message one screen at a time.
3. Press  to access menu options for the message.

or

Press and hold  to exit the menu.

## Go to the Next Message

This feature takes you to the next message in the outgoing messages list.

To go to the next message:

1. **Follow the steps** in “Read a Stored Message” on page 118.
2. **Press**  until you see **Go To Next Message** and then **press** . You will see the next message.
3. **Press**  to scroll through the message one screen at a time.
4. **Repeat steps 2 to 3** to read all of your messages.
5. **Press and hold**  to exit the menu.

## Send a Stored Message

This feature sends a message stored in the outgoing messages list.

To send a stored message:

1. **Follow the steps in** “Read a Stored Message” on page 118.
2. **Press**  until you see **Send Message** and then **press** . You will be prompted to enter the destination address (phone number) for the message.
3. **Enter the destination address** and then **press**  to send the message.

If the destination is a phone number, enter it beginning with “00” or “+”. If the destination is an email address, enter “00\*2” or “+\*2”.

The message is sent to your message service center, which forwards the message to its final destination. You will see **Message Sent** when the message arrives at the service center.

If the message cannot be delivered to the service centre, you will see *Message Failed*, followed by *Resend?* on the next line. You can:

**Press**  to resend the message.

**or**

**Press**  to abandon the attempt to send the message at this time.

If you have not previously stored a service center number, then you will see *No Service Centre*. See “Enter Service Centre Number” on page 123 for instructions on how to enter a service center number.

## ***Edit a Stored Message***

You can edit a message that you have stored in the outgoing messages list.

To edit a stored message:

1. **Follow the steps** in “Go to the Next Message” on page 119 until you see the message you want to edit, and then **press** .
2. **Press**  until you see *Edit Message* and then **press** .

The message is copied to the message editor. You will see the final portion of the message displayed in the editing area. The cursor is placed at the end of the message.

For instructions on how to edit a received message, see “Edit a Received Message” on page 112.

## **Delete a Stored Message**

Use this feature to make room for new messages on your SIM card.

To delete a stored message:

1. **Follow the steps** in “Go to the Next Message” on page 119 until you see the message you want to delete, and then **press** .
2. **Press**  until you see Delete Message, and then **press** . You will see Message Deleted.
3. **Press and hold**  to exit the menu.

## Getting to Message Settings...

1. Press  to go directly to the Messages menu.  
or  
Press  until you see Messages, and then press .
2. Press  to scroll to Message Settings, and then press .
3. Press  to scroll to one of the features described below.

## Managing Other Message Settings

**Tip:** Use pause dialing to store your voicemail access and PIN numbers together. See “Using Pauses in Numbers” on page 67.

### Store Your Voicemail Number

To store a voicemail number:

1. Follow the steps in “Getting to Message Settings...” to get to Voicemail Number, and then press  to select. You will see Enter Voicemail Number followed by your current voicemail number. If this is the first time you have stored a number, continue with **step 3**.
2. Press  to select Voicemail Number. Press  to clear one digit at a time, or press and hold  to erase the entire number.
3. Enter the new number, and then press . You will see Completed.
4. Press and hold  to exit the menu.

## Enter Service Centre Number

Use this feature to enter the number for the service center that forwards your outgoing messages. You must specify a service number before you can send any messages.

To enter the service center number:

1. **Follow the steps in “Getting to Message Settings...”** on page 122 to get to Service Centre, and then **press**  to select. You will see Enter Service Number followed by your current service center number. If this is the first time you have stored a number, continue with **step 3**.
2. **Press**  to clear one digit at a time, **or press and hold**  to erase the entire number.
3. **Enter the new number**, and then **press** . You will see Completed.
4. **Press and hold**  to exit the menu.

**Tip:** *The service center number is provided by your service provider.*

## Getting to Message Settings...

1. Press  to go directly to the Messages menu.  
or  
Press  until you see Messages, and then press .
2. Press  to scroll to Message Settings, and then press .
3. Press  to scroll to one of the features described below.

### Set Expiry period

This feature specifies the maximum amount of time, in hours, that an unforwarded outgoing message will remain at the service center before it is deleted.

To set the message expiration period:

1. **Follow the steps in** “Getting to Message Settings...” **to get to** Expiry Period, **and then press**  **to select.** You will see Enter Hours followed by the current setting.
2. **Press**  **to clear one digit at a time, or press and hold**  **to erase the entire number.**
3. **Enter the new number,** **and then press**  **.** You will see Hours followed by the number you entered.
4. **Press and hold**  **to exit the menu.**

**Tip:** The default expiration period setting is 7 days (168 hours).

## ***Specify Outgoing Message Type***

You can send messages to a device which interprets them in a format other than text. Your service center converts the messages before forwarding them to the destination address.

**Note:** Currently, the only supported message type is "TEXT".

To specify the outgoing message type:

1. **Follow the steps in** "Getting to Message Settings..." on page 124 to get to *Outgoing Message Type*, and then **press**  to select.
2. **Press**  to scroll to the desired type, and then **press**  to select it.
3. **Press and hold**  to exit the menu.



# ***Customizing Phone Features***

---

Once you are comfortable with the basic features of your new phone, use the Phone Setup menu to configure your phone the way you like it.

# Phone Setup Menu

## Phone Setup

- Adjust Ring Volume
- Ring or Vibrate
  - Ring Only
  - Vibrate Only
  - Vibrate Then Ring
  - No Ring or Vibrate
- Set Ringer Tone
  - Standard Tone
  - ⋮
  - High Tone
- Phone Lock
  - Automatic Lock
    - On/Off
  - Lock Now
  - Change Unlock Code
- Require SIM Card PIN
  - On/Off
  - Change SIM PIN Code
- Change SIM PIN2 Code
- New Security Code
- Extended Menus
  - On/Off

***The following Phone Setup menu items are available only when the extended menus are activated.***

- Show Time and Date<sup>1</sup>
  - Show Home Time + Date
  - Show Away Time + Date
  - Change Clock Display
    - Home Time
    - Away Time
- Set Time and Date<sup>1</sup>
  - Set Home Time + Date
  - Set Away Time + Date
- Set Time Format<sup>1</sup>
  - 12 Hour
  - 24 Hour
- Language Selection<sup>1</sup>
  - English
  - ⋮
  - Türkçe
- Lights<sup>1</sup>
  - On/Off
- Select Keypad Tones<sup>1</sup>
  - Normal Tones
  - Single Tone
  - No Tones
- Phone Status<sup>1</sup>
  - Status Review
  - Master Reset
  - Master Clear

<sup>1</sup> This feature is available only when the extended menus are activated.

## Getting to Phone Setup...

1. Press  until you see *Phone Setup*, and then press .
2. Press  to scroll to one of the features described below. You will see the feature name, followed by *Select?*.

## Managing Phone Ringer Settings

You can adjust your phone's ringer volume and tone, and set the phone to ring or vibrate to notify you of incoming calls.

### Adjust the Ringer Volume

Use this feature to adjust the volume of the ringer. The phone sounds the new volume level as you adjust it.

1. **Follow the steps in** "Getting to Phone Setup..." **to get to** *Adjust Ring Volume*, and then press  to select.
2. **Increase the volume** by pressing the upper volume control key on the side of the phone.  
  
**or**  
  
**Decrease the volume** by pressing the lower volume control key on the side of the phone.
3. **Press and hold**  to exit the menu.

**Tip:** You can also press , and then the up or down volume control key.

**Tip:** If you select Vibrate then Ring, your phone vibrates for two cycles, and then rings.

## Set the Phone to Ring or Vibrate

This feature is ideal for situations where a ringing phone is inappropriate or in noisy places where you might not hear the ringer. The vibrate alert function notifies you of incoming calls by discreet vibrations.

1. **Follow the steps in “Getting to Phone Setup...”** to get to Ring or Vibrate, and then press  to select.
2. Press  to scroll to Ring Only, Vibrate Only, Vibrate then Ring, or No Ring or Vibrate, and then press  to select the displayed option. You will see Completed.
3. Press and hold  to exit the menu.

## Set the Ringer Tone

Select your favorite tone from 10 different options.

1. **Follow the steps in “Getting to Phone Setup...”** to get to Set Ringer Tone, and then press  to select.
2. Press  to scroll through the ringer tone options. You will hear a one-ring-cycle demonstration of each tone as its name is displayed.
3. Press  to select the desired ringer tone.
4. Press and hold  to exit the menu.

## Getting to Phone Lock...

1. Press  until you see Phone Setup, and then press .
2. Press  to scroll to Phone Lock, and then press .
3. Press  to scroll to one of the features described below.

## Locking and Unlocking Your Phone

These features can help you prevent unwanted use of your phone.

### Lock the Phone Automatically

Use this feature to set your phone to lock itself every time it is powered on.

1. Follow the steps in “Getting to Phone Lock...” to get to Automatic Lock, and then press  to select.
2. Press  to choose On or Off, and then press  to select. You will see Completed.
3. Press and hold  to exit the menu.

### Lock the Phone Instantly

Use this feature to lock your phone immediately.

1. Follow the steps in “Getting to Phone Lock...” to get to Lock Now.
2. Press  to select. You will see: Locked.

**Note:** Once you unlock your phone, it remains unlocked until you lock it again.

### Unlock the Phone

1. Enter unlock code. Enter your four-digit phone unlock code.
2. Press .

**Tip:** The factory default unlock code is 1234.

## Change the Unlock Code

The unlock code is originally set to 1234. You should change it as soon as possible.

1. **Follow the steps in “Getting to Phone Lock...”** to get to Change Unlock Code, and then **press ** to select. You will see Enter Security Code.
2. **Enter security code.** Enter your six-digit security code. You will see your current lock code and Enter Phone Unlock Code.
3. **Press ** to clear one digit at a time, **or press and hold ** to clear all the digits.
4. **Enter new code.** Enter a new four-digit unlock code, and then **press **. You will see Phone Lock and the new lock code.
5. **Press and hold ** to exit the menu.

**Tip:** The factory default security code is 000000.

## Getting to Require SIM Card PIN...

1. Press  until you see Phone Setup, and then press .
2. Press  to scroll to Require SIM Card PIN, and then press .
3. Press  to scroll to one of the features described below. You will see the feature name, followed by View Options?.

## Protecting the SIM Card

You can use a Personal Identification Number (PIN) code to protect the information stored on your SIM card even when it is inserted into someone else's phone.

### Activate and Deactivate the SIM Card PIN Code

When you activate the SIM card PIN code, your phone requests the code whenever the phone is powered on. To change this setting, you need to enter the PIN code that your service provider gave you.

1. **Follow the steps in** “Getting to Require SIM Card PIN...”.
2. Press  to scroll to On or Off, and then press . You will see Enter PIN.
3. **Enter code.** Enter your four- to eight-digit SIM card PIN code, and then press . You will see Completed.
4. Press and hold  to exit the menu.

**Tip:** You should have received your SIM card PIN code from your service provider.

## Getting to Require SIM Card PIN...

1. Press  until you see Phone Setup, and then press .
2. Press  to scroll to Require SIM Card PIN, and then press .
3. Press  to scroll to one of the features described below. You will see the feature name, followed by View Options?.

### Change the SIM Card PIN Code

To choose your own PIN code:

1. Follow the steps in "Getting to Require SIM Card PIN..." to get to Change SIM PIN Code, and then press  to select. You will see Enter Old PIN.
2. Enter the current PIN code, and then press . You will see Enter New PIN.
3. Enter a new PIN code, and then press . You will see Repeat New PIN.
4. Re-enter the new PIN code, and then press  again. You will see Completed.
5. Press and hold  to exit the menu.

### Unblock the PIN Code

If your PIN code is entered incorrectly three times in a row, Blocked appears in the display. You need to enter a PIN unblocking key (PUK1), which you can obtain from your service provider.

1. Press     .
2. Enter unblocking key. Enter the eight-digit PUK1 unblocking key, and then press . Your service provider supplies this code.
3. Enter a new PIN code, and then press .
4. Re-enter the new PIN code, and then press .

**Tip:** The message Blocked indicates that an incorrect PIN code was entered. The message  Blocked indicates that an incorrect PIN2 code was entered.

## Getting to Phone Setup...

1. Press  until you see Phone Setup, and then press .
2. Press  to scroll to one of the features described below. You will see the feature name, followed by Select?.

## Managing Other Security Settings

Your phone includes other security features:

- a SIM card PIN2 code for accessing fixed dialing settings and other subscription-dependent features
- a security code controls access to security and other menu options

### Change the SIM Card PIN2 Code

Your SIM card PIN2 code is used to access fixed dialing settings. This four- to eight-digit code is issued to you when you subscribe to the feature. Use this feature to choose a new code.

1. **Follow the steps in “Getting to Phone Setup...”** to get to Change SIM PIN2 Code, and then press  to select. You will see Enter Old PIN2.
2. **Enter the current PIN2 code**, and then press . You will see Enter New PIN2.
3. **Enter new PIN2 code**, and then press . You will see Repeat New PIN.
4. **Re-enter the new PIN2 code**, and then press  again. You will see Completed.
5. **Press and hold**  to exit the menu.

**Tip:** You should have received your SIM card PIN2 code from your service provider.

## Getting to Phone Setup...

1. Press  until you see *Phone Setup*, and then press .
2. Press  to scroll to one of the features described below. You will see the feature name, followed by *Select?*.

### *Unblock the PIN2 Code*

If your PIN2 code is entered incorrectly three times in a row,  *Blocked* appears in the display. You need to enter a PIN2 unblocking key (PUK2), which you can obtain from your service provider.

1. Press      .
2. **Enter unblocking key.** Enter the eight-digit PUK2 unblocking key, and then press . Your service provider supplies this code.
3. **Enter a new PIN2 code**, and then press .
4. **Re-enter the new PIN2 code**, and then press .

### *Change the Security Code*

The security code is your phone's primary security number. You use it to reset your phone to its default settings and prevent access to your phone book. It is originally set to 000000.

1. **Follow the steps in "Getting to Phone Setup..."** to get to *New Security Code*, and then press  to select. You will see *Enter Security Code*.
2. **Enter the current security code**, and then press . You will see *Enter New Security Code*.
3. **Enter a new security code**, and then press . You will see *Secur. Code* and the six-digit number selected.
4. **Press and hold**  to exit the menu.

## Activating Extended Menus

This feature activates and deactivates the extended menus. See “Personalizing the Options Menu” on page 160 to learn how extended menus can make your phone even simpler to use.

1. **Follow the steps in “Getting to Phone Setup...”** to get to **Extended Menus**, and then **press**  to select.
2. **Press**  to choose **On** or **Off**, and then **press** .
3. **Press and hold**  to exit the menu.

When extended menus are deactivated, you can activate them temporarily to access hidden features. Press and hold  to activate the extended menus temporarily. This shortcut displays all extended menu features until you exit the Options menu.

## Getting to Phone Setup...

1. Press  until you see Phone Setup, and then press .
2. Press  to scroll to one of the features described below. You will see the feature name, followed by Select?.

### *Managing Time and Date Settings*

#### *View the Time and Date*

Use this feature to view the current time and date in one of two time zones.

**Note:** This feature is available only when the extended menus are activated. See “Activating Extended Menus” on page 137.

1. Follow the steps in “Getting to Phone Setup...” to get to Show Time and Date, and then press  to select.
2. Press  to choose Show Home Time + Date or Show Away Time + Date, and then press . The selected time and date are displayed.
3. Press any key to clear the time and date from the display and return to the menu.
4. Press and hold  to exit the menu.

## Change the Time Displayed

Use this feature to determine which time is displayed on your real time clock indicator.

**Note:** This feature is available only when the extended menus are activated. See “Activating Extended Menus” on page 137.

1. **Follow the steps in** “Getting to Phone Setup...” to get to Show Time and Date, and then **press**  to select.
2. **Press**  to scroll to Change Clock Display, and then **press** .
3. **Press**  to scroll to either Home Time or Away Time, and then **press**  to select.
4. **Press and hold**  to exit the menu.

## Set the Time Format

You can choose a 12-hour or 24-hour time format.

**Note:** This feature is available only when the extended menus are activated. See “Activating Extended Menus” on page 137.

1. **Follow the steps in** “Getting to Phone Setup...” to get to Set Time Format, and then **press** .
2. **Press**  to choose either 12-hour or 24-hour, and then **press**  to select.
3. **Press and hold**  to exit the menu.

## Getting to Phone Setup...

1. Press  until you see Phone Setup, and then press .
2. Press  to scroll to one of the features described below. You will see the feature name, followed by Select?.

### Set the Time and Date

To make it easy to check the local time when you travel, your phone can save the current time and date for two different time zones.

**Note:** This feature is available only when the extended menus are activated. See “Activating Extended Menus” on page 137.

**Tip:** The time displayed (home or away) on the real time clock indicator is the one you selected on page 139.

1. Follow the steps in “Getting to Phone Setup...” to get to Set Time and Date, and then press  to select.
2. Press  to choose Set Home Time + Date or Set Away Time + Date, and then press . You will see Enter Home Time or Enter Away Time and the time currently set.
3. Press  to accept the displayed time.

or

Enter the time in 24-hour format, and then press . You will see Enter Home Date or Enter Away Time and the date currently set.

4. Press  to accept the displayed date. You will see Completed.

or

Enter the date in day(dd)-month(mm)-year(yy) form and then press . You will see Completed.

5. Press and hold  to exit the menu.

## Selecting the Display Language

Your phone contains 21 languages. Use this feature to select the language in which your phone displays menus and messages.

**Note:** This feature is available only when the extended menus are activated. See “Activating Extended Menus” on page 137.

1. **Follow the steps in “Getting to Phone Setup...”** to get to **Language Selection**, and then **press**  to select.
2. **Press**  to scroll through the choices, and then **press**  to select the displayed option.
3. **Press and hold**  to exit the menu.

If you accidentally change the language of your phone's display, press and hold the  key to return to the idle display, then press     to return directly to the language selection submenu.

## Getting to Phone Setup...

1. Press  until you see *Phone Setup*, and then press .
2. Press  to scroll to one of the features described below. You will see the feature name, followed by *Select?*.

### *Turning Lights On and Off*

You can activate or deactivate all phone lighting, including the phone status indicator, display backlighting, and keypad backlighting.

**Note:** This feature is available only when the extended menus are activated. See “Activating Extended Menus” on page 137.

1. Follow the steps in “Getting to Phone Setup...” to get to *Lights*, and then press  to select.
2. Press  to choose *On* or *Off*, and then press  to select the displayed option.
3. Press and hold  to exit the menu.

### *Setting Keypad Tones*

Choose the sounds your phone makes when its keys are pressed.

**Note:** This feature is available only when the extended menus are activated. See “Activating Extended Menus” on page 137.

1. Follow the steps in “Getting to Phone Setup...” to get to *Select Keypad Tones*, and then press  to select.
2. Press  to choose *Normal Tones*, *Single Tone*, or *No Tones*, and then press .
3. Press and hold  to exit the menu.

## Getting to Phone Status...

1. Press  until you see Phone Setup, and then press .
2. Press  to scroll to Phone Status, and then press .
3. Press  to scroll to one of the features described below.

## Managing Phone Settings

### Review Your Phone's Settings

Use this feature to review all of your phone's settings that have changed from their original default settings.

To review all settings:

1. Follow the steps in "Getting to Phone Status..." to get to Status Review, and then press .
2. Press  to scroll through the list of all the menu items you have changed.
3. Press and hold  to exit the menu.

**Note:** You can reset your phone's original settings if desired. See "Reset Phone Options to Factory Defaults" on page 144.

## **Reset Phone Options to Factory Defaults**

Use the master reset feature to reset all settings to their original default settings. This feature:

- resets audible call timers, the in-call timer, and the automatic lock
- resets extended menus to default setting
- restores keypad tones to normal, ringer tone to standard, and the volume level to the middle (fourth bar) of its range

To reset all settings:

1. **Follow the steps in** “Getting to Phone Status...” on page 145 to get to Master Reset, and then **press**  to select. You will see Enter Security Code.
2. **Enter your six-digit security code.** You will see Reset Complete.
3. **Press and hold**  to exit the menu.

**Tip:** The factory default security code is 000000.

## Getting to Phone Status...

1. Press  until you see Phone Setup, and then press .
2. Press  to scroll to Phone Status, and then press .
3. Press  to scroll to one of the features described below.

### Clear All Stored Information

The master clear feature resets the same items as master reset, plus the following:

- clear phone book entries from phone memory (not from SIM memory)
- clear last calls made and received lists
- reset resettable call timers

Master clear does not clear the:

- fixed dial list
- my number(s) list
- received messages list

To clear all settings:

1. **Follow the steps in “Getting to Phone Status...”** to get to Master Clear, and then press  to select. You will see Enter Security Code.
2. **Enter your six-digit security code.** You will see Reset Complete.
3. **Press and hold**  to exit the menu.

**Tip:** The factory default security code is 000000.



# ***Accessing the Network***

---

This chapter shows you how to register with the Iridium satellite network.

# Network Selection Menu

Network Selection

● Register Now

## Getting to Network Selection...

1. Press  until you see *Network Selection*, and then press .
2. Press  to scroll to one of the features described below. You will see the feature name, followed by *Select?*.

## Registering With the Satellite Network

Use this feature to access Iridium satellite service. Your phone searches for the Iridium satellite network.

1. **Rotate and extend the antenna** upward.  
See “Holding the Phone” on page 40.
2. **Follow the steps in “Getting to Network Selection...”** to get to *Register Now*.
3. **Press ** to select. You will see *Registering....* This may take a few seconds.

If the phone finds the signal, you will see *Registered* and the signal strength indicator:



The  (home system) indicator also appears.

If the phone is unsuccessful you may see one of these messages: *Check Signal*, *Busy Try Later*, *Please Try Later*, or *Restricted Area*.

**Note:** You must wait three minutes between registration attempts.



# ***Timing Your Calls***

---

Your phone's call meters give you a variety of options for tracking the time you spend on the phone. You can monitor the length of individual calls, set a timer to track monthly usage, or have the phone alert you with tones at specific intervals.

# Call Meters Menu

**Call Meters**

- Show Call Timers
  - Show Last Call
  - Total For All Calls
  - Reset All Timers
- Set Audible Call Timers
  - Single Alert Timer
    - On/Off
  - Repetitive Timer
    - On/Off
- Set In-Call Display
  - Show Time Per Call
  - No In-Call Display
- Lifetime Timer<sup>1</sup>

1 This feature is available only when the extended menus are activated.

## Getting to Show Call Timers...

1. Press  until you see Call Meters, and then press .
2. Press  to scroll to Show Call Timers, and then press .
3. Press  to scroll to one of the features described below.

### Showing Call Timers

Call timers help you track your airtime. Keep a running tab of your monthly usage or view the airtime of your most recent call.

#### Show the Time of the Last Call

Use this feature to display the elapsed time of your most recent call.

1. Follow the steps in “Getting to Show Call Timers...” to get to Show Last Call, and then press  to select.

You will see the airtime of the most recent call in hours, minutes, and seconds. After several seconds, the display returns to Show Last Call.

2. Press and hold  to exit the menu.

**Note:** The last call timer shows elapsed time of the most recent call made since your phone was turned on. This information is not saved when you shut off the phone.

## Getting to Show Call Timers...

1. Press  until you see Call Meters, and then press .
2. Press  to scroll to Show Call Timers, and then press .
3. Press  to scroll to one of the features described below.

### **Show Total Time for All Calls**

Use this feature to display your total airtime since you last reset the Call Timer.

1. Follow the steps in "Getting to Show Call Timers..." to get to Total For All Calls, and then press  to select.

You will see the airtime accumulated since the timer was last reset. The airtime is displayed in hours, minutes, and seconds. After several seconds, the display returns to Total For All Calls.

2. Press and hold  to exit the menu.

### **Reset All Timers**

Reset your timers at the beginning of each billing cycle to keep track of your spending.

1. Follow the steps in "Getting to Show Call Timers..." to get to Reset All Timers, and then press  to select.

You will see Completed. The display then returns to Reset All Timers.

2. Press and hold  to exit the menu.

**Note:** This does not reset the Lifetime Timer described on page 158.

## Getting to Audible Call Timers...

1. Press  until you see Call Meters, and then press .
2. Press  to scroll to Set Audible Call Timers, and then press .
3. Press  to scroll to one of the features described below.

### Setting Audible Call Timers

Let your phone watch the clock for you. The call timers signal at a set time or interval with beeps only you can hear.

#### Set the Single Alert Timer

Use this feature to set your phone to alert you after an elapsed time.

1. Follow the steps in “Getting to Audible Call Timers...” to get to Single Alert Timer, and then press  to select.
2. Press  to scroll to On or Off, and then press  to select.
  - If you select On, you will see Enter Seconds. Continue with **step 3**
  - If you select Off, you will see Completed. Continue with **step 4**
3. Press  to accept the current setting. You will see Seconds XXX.  
  
or  
  
Enter a number from 11 to 999, and then press . You will see Seconds XXX.
4. Press and hold  to exit the menu.

## Getting to Audible Call Timers...

1. Press  until you see *Call Meters*, and then press .
2. Press  to scroll to *Set Audible Call Timers*, and then press .
3. Press  to scroll to one of the features described below.

### *Set the Repetitive Timer*

Use this feature to set your phone to alert you at specific intervals, for example every 45 seconds.

1. **Follow the steps in “Getting to Audible Call Timers...”** to get to *Repetitive Timer*, and then press  to select.
2. Press  to scroll to *On* or *Off*, then press  to select.
  - If you select *On*, you will see *Enter Seconds*. Continue with **step 3**
  - If you select *Off*, you will see *Completed*. Continue with **step 4**
3. Press  to accept the current setting. You will see *Seconds XXX*.

or

**Enter a number** from 11 to 999, and then press . You will see *Seconds XXX*.
4. Press and hold  to exit the menu.

## Getting to Call Meters...

1. Press  until you see Call Meters, and then press .
2. Press  to scroll to one of the features described below.

### *Showing the In-Call Timer*

Use this feature to display a running clock of the airtime elapsed while on a call.

1. Follow the steps in “Getting to Call Meters...” to get to Set In-Call Display, and then press  to select.
2. Press  to scroll to Show Time Per Call or No In-Call Display, and then press  to select.
3. Press and hold  to exit the menu.

## Getting to Call Meters...

1. Press  until you see **Call Meters**, and then press .
2. Press  to scroll to one of the features described below.

### Showing the Lifetime Timer

Use this feature to show the total time of all calls for the life of your phone.

**Note:** This feature is available only when the extended menus are activated. See “Activating Extended Menus” on page 137.

**Tip:** *The lifetime timer can not be reset. The Reset All Timers feature has no effect on this timer.*

1. **Follow the steps in** “Getting to Call Meters...” to get to **Lifetime Timer**, and then press  to select.

You will see the total airtime of your phone since it was manufactured.

2. **Press and hold**  to exit the menu.

# ***Customizing the Menu System***

---

This chapter shows you how to hide the menu features you don't use regularly, and how to add your favorite features to the Quick Access menu for instant recall.

## Personalizing the Options Menu

You can customize the Options menu by moving features in and out of the extended menus. Features that you place on the extended menu are hidden when extended menus are turned off, and become visible when you activate the extended menus.

**Note:** The default factory setting for your phone is extended menus activated.

### Move Menu Features

To move menu features:

1. **Find the feature** you want to move.
2. **Press and hold** . You will see one of two responses depending on where that menu feature is currently located. If you see:

| Message                                                       | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Remove From Short Menu<br>(The feature is in the short menu). | <b>Press</b>  to move the feature to the extended menu. You will see Menu Item Moved.<br><b>or</b><br><b>Press</b>  to scroll to Leave in Short Menu, and then <b>press</b>  to select. You will see Move Cancelled.   |
| Add To Short Menu<br>(The feature is in the extended menu).   | <b>Press</b>  to move the feature to the short menu. You will see Menu Item Moved.<br><b>or</b><br><b>Press</b>  to scroll to Leave in Long Menu, and then <b>press</b>  to select. You will see Move Cancelled. |

**Note:** Some features and submenus cannot be moved. You will see Cannot Move Menu Item.

## **Activate/Deactivate Extended Menus**

Use the Options menu to activate and deactivate extended menus. Activate them when you need access to every feature. Deactivate them for everyday use.

1. **Press**  until you see Phone Setup, and then **press**  to select.
2. **Press**  to scroll to Extended Menus, and then **press**  to select.
3. **Press**  to scroll to either On or Off, and then **press**  to select.

All hidden features are accessible when you activate the extended menus.

## **Access Hidden Features**

If you want to access a feature hidden in the extended menus, but don't want to leave the extended menus active, you can use this shortcut:

**Press and hold**  for a few seconds.

All extended menu features remain accessible until you exit the Options menu.

## Personalizing the Quick Access Menu

You can replace the default Quick Access menu features described on page 57 with any of the following features.

| Icon                                                                              | Quick Access Feature                                                                                                 |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
|  | <b>Find by Location</b> recalls a Phone Book entry by its memory location number.                                    |
|  | <b>Add Entry to Phone</b> stores entered numbers in the next available phone memory location.                        |
|  | <b>Add Entry to SIM</b> stores entered numbers in the next available SIM card location.                              |
|  | <b>Ring Volume</b> displays and sets the incoming call ring tone volume.                                             |
|  | <b>Check Signal</b> checks the strength of the signal from the satellite network.                                    |
|  | <b>Switch Memory</b> switches one-touch dialing between the phone and SIM memories depending on the current setting. |
|  | <b>Last Call Timer</b> displays the duration of your last call.                                                      |
|  | <b>Show Services</b> displays a list of service phone numbers programmed by your service provider.                   |
|  | <b>Mode Selection:</b> This feature is not currently supported.                                                      |

To change a default quick access feature to one of the features listed above:

1. Press  and then press  to scroll to the feature you wish to change.
2. Press and hold  to access the list of features available.
3. Press  to scroll through the list until you find the desired feature.
4. Press  to store the displayed feature in the new location. You will see *Completed*.

# Troubleshooting

---

This chapter tells you what to do if you experience one of the following problems:

| Problem                                     | Solution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>You can't turn the phone's power on.</b> | <ul style="list-style-type: none"><li>• Did you press and hold the  key for three seconds to turn the phone's power on?</li><li>• Check the battery. Is it charged, properly fitted, and are the contacts clean and dry?</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>You can't make calls.</b>                | <ul style="list-style-type: none"><li>• Check the antenna. Is it fully extended and rotated? Do you have a clear unobstructed view of the sky?</li><li>• Did you enter the number in international format? All calls made from the Iridium satellite system must be in international format.</li><li>• Check the signal strength indicator. If the signal is weak, ensure that you have a clear line of sight to the sky and there are no buildings, trees, etc. around.</li><li>• Try to register manually.</li><li>• Is <b>Restricted</b> displayed? Check the Call Barring setting.</li><li>• Has a new SIM card been inserted? Check that no new restrictions have been imposed.</li><li>• Check to see if your fixed dialing list is enabled. If so, you can only make calls to numbers or prefixes that are on the list.</li></ul> |
| <b>You can't receive calls.</b>             | <ul style="list-style-type: none"><li>• Check to see that your phone is powered on.</li><li>• Check the antenna. Is it fully extended and rotated? Do you have a clear unobstructed view of the sky?</li><li>• Check the signal strength indicator. If the signal is weak, ensure that you have a clear line of sight to the sky and there are no buildings, trees, etc. around.</li><li>• Check the Call Forwarding and Call Barring settings.</li><li>• Check the Ringer setting. If it is off, there is no audible ringer.</li></ul>                                                                                                                                                                                                                                                                                                  |
| <b>You can't make international calls.</b>  | <ul style="list-style-type: none"><li>• Have you included the relevant codes? Press and hold the  key to display the international dialing prefix (+) and then enter the appropriate country code followed by the phone number.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

| Problem                                                                                                                       | Solution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Your phone will not unlock.</b>                                                                                            | <ul style="list-style-type: none"> <li>• Have you inserted a new SIM card? Enter the new PIN code.</li> <li>• Enter the default phone unlock code —1234.</li> <li>• Have you forgotten the unlock code? Press  to change the unlock code (you need your security code).</li> </ul>                                                                                                                                                                                                     |
| <b>Your PIN is blocked.</b>                                                                                                   | Enter the PIN unblocking key (PUK1) or contact your service provider. See “Unlock the PIN Code” on page 134 for additional information.                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Your PIN2 is blocked.</b>                                                                                                  | Enter the PIN2 unblocking key (PUK2) or contact your service provider. See “Unlock the PIN2 Code” on page 136 for additional information.                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Your SIM card will not work.</b>                                                                                           | <ul style="list-style-type: none"> <li>• Is the card inserted the correct way?</li> <li>• Is the card visibly damaged or scratched? Return the card to your service provider.</li> <li>• Check the SIM and phone contacts. If they are dirty, clean them with an antistatic cloth.</li> </ul>                                                                                                                                                                                                                                                                           |
| <b>You can't cancel Call Forwarding or Call Barring.</b>                                                                      | Wait until you are in an area with good network coverage and try again.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>The  (message) indicator is flashing.</b> | There is not enough memory available to store another message. Use the Messages menu to delete one or more messages.                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>The battery won't charge.</b>                                                                                              | <ul style="list-style-type: none"> <li>• Check the charger. Is it properly connected? Are its contacts clean and dry?</li> <li>• Check the battery contacts. Are they clean and dry?</li> <li>• Check the battery temperature. If it is warm, let it cool before recharging.</li> <li>• Is it an old battery? Battery performance declines after several years of use. Replace the battery.</li> <li>• Make sure you have a Iridium approved battery installed. If you see <i>Invalid Batt.</i> in the display, you will not be able to charge this battery.</li> </ul> |

| Problem                                                                  | Solution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>The battery drains faster than normal.</b>                            | <ul style="list-style-type: none"> <li>• Are you in an area of variable coverage? This uses extra battery power.</li> <li>• Is your antenna fully rotated and extended? Do you have a clear unobstructed view of the sky? This helps use less battery power.</li> <li>• Is it a new battery? A new battery needs two to three charge/discharge cycles to attain normal performance.</li> <li>• Is it an old battery? Battery performance declines after several years of use. Replace the battery.</li> <li>• Is it a battery that hasn't been completely discharged? Allow the battery to fully discharge (until the phone turns itself off) and then charge the battery overnight.</li> <li>• Are you using your phone in extreme temperatures? At extreme hot or cold temperatures, battery performance is significantly reduced.</li> </ul>                                                          |
| <b>You find your phone becoming warm during use.</b>                     | You may notice this during long calls or during charging. The heat is produced by the electronic components within your phone and is quite normal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Phone is not responding to user controls including the power key.</b> | Remove the battery from the phone and then reattach it to cycle power and reset.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Your SIM card is inserted in the phone but the display says:</b>      | <ul style="list-style-type: none"> <li>• <b>Check Card or Insert Card</b><br/>Check that the SIM card has been inserted correctly. The contacts of the SIM card may be dirty. Turn the phone off, remove the SIM card and rub the contacts with a clean cloth. Replace the card in the phone.</li> <li>• <b>Blocked or ! Blocked</b><br/>Enter the PIN unblocking key (PUK1) or the PIN2 unblocking key (PUK2) respectively, or contact your service provider. See "Unblock the PIN Code" on page 134 and "Unblock the PIN2 Code" on page 136 for additional information.</li> <li>• <b>Bad Card See Supplier</b><br/>Please contact your service provider.</li> </ul>                                                                                                                                                                                                                                   |
| <b>You find your phone's prompts in a language other than your own.</b>  | <ol style="list-style-type: none"> <li>1. <b>Press and hold</b> the  key to return to the idle display</li> <li>2. <b>Press</b>     to go directly to the language selection submenu</li> <li>3. <b>Press</b>  until you see your preferred language</li> <li>4. <b>Press</b>  to select</li> </ol> |



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# Patent Information

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Manufactured under one or more of the following U.S. patents:

|          |         |          |         |         |         |         |         |
|----------|---------|----------|---------|---------|---------|---------|---------|
| 4121218  | 4616314 | 4741034  | D306594 | 5083304 | D337332 | D354062 | D368696 |
| 4138681  | 4617520 | 4742562  | 4912602 | D324024 | 5230007 | 5384825 | 5510693 |
| 4193036  | D286778 | D295627  | 4918732 | D324388 | 5230093 | D356084 | 5511235 |
| 4254382  | 4626309 | 4746242  | 4922178 | 5095503 | 5233633 | 5402447 | D369162 |
| 4302845  | 4628529 | D295973  | 4945570 | D325028 | 5235492 | 5406146 | 5513078 |
| 4312074  | 4629829 | D295975  | 4954796 | D325583 | 5237257 | 5406562 | D369359 |
| 4327319  | 4630304 | 4751737  | 4959851 | 5109536 | 5239127 | D357224 | 5519303 |
| 4329666  | 4630305 | D296187  | 4963812 | D325915 | 5241545 | D357457 | 5519346 |
| 4369516  | 4633141 | 4761621  | 4963843 | 5113436 | 5241548 | 5410741 | 5524276 |
| 4369522  | 4636593 | 4764737  | 4965537 | 5117450 | 5241650 | D357680 | 5524278 |
| 4378603  | 4636741 | D297734  | 4972355 | 5121047 | 5241693 | D357681 | D370463 |
| 4390963  | D288432 | D297735  | 4972432 | 5122480 | 5242767 | 5428836 | 5530922 |
| D269873  | 4648125 | 4777564  | 4972455 | 5122722 | D339582 | D359734 | 5542116 |
| 4398265  | 4649543 | Re.32768 | 4975808 | D327061 | 5249302 | D359735 | 5544250 |
| 4400584  | D288683 | D299136  | 4984290 | 5128834 | 5251331 | D359959 | D372481 |
| 4400585  | 4654655 | 4797929  | D314173 | D328302 | D340710 | 5432017 | 5546275 |
| D270835  | D289156 | 4798975  | D315330 | 5142551 | 5260988 | D360632 | 5546380 |
| D271491  | 4662691 | 4800348  | D315346 | 5142696 | 5261119 | 5438684 | D372896 |
| Re.31470 | 4667333 | 4802236  | D315543 | 5146620 | 5262710 | D361070 | 5551078 |
| 4431977  | 4668917 | 4809356  | D315559 | 5148471 | 5263052 | 5442680 | 5559471 |
| 4434461  | 4670747 | 4811377  | D315565 | 5148473 | 5276707 | 5446763 | D374424 |
| 4455534  | 4672502 | 4811404  | 5004992 | 5148961 | 5278994 | 5448763 | D374872 |
| 4462098  | 4680787 | 4827226  | D315907 | 5150359 | D343173 | 5448771 | 5572193 |
| D275951  | 4681476 | 4827507  | 5008925 | 5150384 | 5280637 | 5453997 | 5574976 |
| 4484153  | 4683585 | 4829274  | D316417 | 5152006 | D344087 | D362840 | 5577268 |
| 4485486  | 4692726 | 4837534  | D316859 | 5157693 | 5287553 | 5457744 | D375732 |
| 4486624  | 4704588 | D301476  | 5017856 | 5163159 | 5287555 | 5459640 | D375733 |
| D276809  | D292578 | 4843621  | 5018188 | 5164652 | 5287556 | 5463646 | D375734 |
| 4491972  | 4706036 | 4845772  | 5020091 | 5166596 | D344511 | 5465412 | D375932 |
| D277667  | D292920 | D302015  | 5020092 | 5175759 | 5301365 | 5469177 | D375952 |
| 4504834  | 4710724 | 4851966  | 5020093 | 5175874 | 5321847 | 5475752 | D376127 |
| D278708  | 4711361 | 4868576  | 5028083 | D332261 | D348880 | D365094 | 5588041 |
| 4523155  | 4715063 | 4870686  | 5028859 | 5182749 | 5349588 | D365817 | 5589796 |
| 4546329  | 4716319 | D303656  | 5029044 | D332785 | 5359696 | 5468843 | 5590177 |
| 4550426  | 4716391 | 4876552  | 5029233 | 5185566 | 5361400 | 5487184 | 5594778 |
| 4551696  | 4723305 | 4879533  | 5031028 | 5187809 | 5363071 | 5488335 | 5594951 |
| 4564821  | D294257 | D305427  | 5036532 | 5193223 | 5365549 | 5488649 | D377792 |
| D282169  | 4727306 | 4896124  | 5053924 | 5195106 | D352497 | D366872 | D377934 |
| 4571595  | 4727583 | 4897873  | 5057762 | 5195108 | 5366826 | 5493198 | 5604050 |
| 4573017  | 4730195 | D305717  | D320780 | 5201069 | D353131 | 5493714 | 5606730 |
| 4574243  | 4734635 | 4904549  | 5059885 | 5204977 | D353361 | 5497126 | D378366 |
| 4585957  | 4736277 | 4905288  | 5060294 | 5210793 | 5375143 | 5497382 | 5613229 |
| 4602218  | 4737976 | 4905301  | D322783 | 5214675 | 5375258 | D367640 | 5613863 |
| D284759  | 4740794 | D306293  | D322955 | 5222104 | 5379324 | 5499394 | 5615233 |
| D285439  | 4741018 | D306441  | 5081674 | 5222251 | D354055 | 5506490 | 5621763 |

Other patents pending.

## E C Directive Declaration of Conformity

This is to certify that the following equipment complies with all relevant Essential Health and Safety Requirements of the Radio and Telecommunications Terminal Equipment Directive 1999/5/EC and the Low Voltage Directive 73/23/EC as amended by 93/68/EC.

|                              |                                                                      |
|------------------------------|----------------------------------------------------------------------|
| <b>Equipment description</b> | Iridium 9505A Satellite Handset                                      |
| <b>Manufacturer</b>          | Iridium Satellite LLC, 8440 South River Parkway, Tempe, AZ 85284 USA |

The following harmonised standards were applied to the design of the handset:

| <b>Standard</b>                                             | <b>Description</b>                                                                                                                                               |
|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EN 60950-1:2001                                             | Information technology equipment - Safety - Part 1: General requirements                                                                                         |
| EN 301 489-20V1.2.1 (2002 11) EN 301 489-01V1.4.1 (2002-08) | Electromagnetic compatibility and Radio Spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services.                   |
| EN 55022:(1998)                                             | Limits and methods of measurement of radio disturbance characteristics of information technology equipment.                                                      |
| EN61000-4-2:(1995)                                          | Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test.                                      |
| EN61000-4-3: (2002)                                         | Electromagnetic compatibility (EMC) - Part 4-3: Testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test.             |
| EN61000-4-4: (1995)                                         | Electromagnetic compatibility (EMC) - Part 4-4: Testing and measurement techniques - Electrical fast transient/burst immunity test                               |
| EN61000-4-5: (1995)                                         | Electromagnetic compatibility (EMC) - Part 4-5: Testing and measurement techniques - Surge immunity test                                                         |
| EN61000-4-6: (1996)                                         | Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields       |
| EN61000-4-11: (1994)                                        | Electromagnetic compatibility (EMC) - Part 4-11: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests    |
| ETSI EN 50361:2001                                          | Basic standard for the measurement of specific absorption rate related to human exposure to electromagnetic fields from mobile phones (300 MHz - 3 GHz)          |
| ETSI EN 50360:2001                                          | Product standard to demonstrate the compliance of mobile phones with the basic restrictions related to human exposure to electromagnetic fields (300MHz to 3GHz) |
| ETSI EN 301 441 V1.1.1 05/2000                              | Satellite Earth Stations and Systems (SES); Harmonised EN for Mobile Earth Stations (MESs)                                                                       |

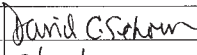
The tests were conducted by TRL Compliance Services Ltd, Moss View, Nipe Lane, Up Holland, West Lancashire, WN89PY, UK except for the SAR report which was prepared by EMC Technologies Pty Ltd, ABN 82 057 105 549, 57 Assembly Drive, Tullamarine, Victoria, Australia 3043.

### Accreditation references:

TRL - UKAS 0728 and BSI FS 21805  
EMC Technologies - NATA 5292

A "technical file" is retained by Iridium Satellite LLC. Related test reports are available upon request directly from Iridium Satellite, LLC.

The 9505A handset is declared conformant only if it is used with the Iridium accessories and antenna approved for the 9505A model and if the handset is used as described in the 9505A User Guide.

|               |                                                                                     |                              |
|---------------|-------------------------------------------------------------------------------------|------------------------------|
| <b>Signed</b> |  | VP of Technology Development |
| <b>Date</b>   | 2/28/2006                                                                           |                              |

# **Warranty Information**

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## ***Iridium Limited Warranty For Satellite Subscriber Radiotelephone Products***

### **1. Coverage and Duration**

Iridium warrants that its new satellite subscriber radiotelephone products and accessories (the "Product") shall be free from defects in materials and workmanship for a period of twelve (12) months from the date such Product is delivered to the first end-user purchaser or first lessee (the "Purchaser"), or the date such Products are first placed into satellite subscriber service, whichever occurs earliest.

Iridium, at its option, shall at no charge to Purchaser, either repair or replace the Product, or refund the purchase price of a Product that does not conform to this warranty, provided the Product is returned in accordance with the instructions set out below and within the warranty period. These remedies are Purchaser's exclusive remedies under this warranty. Repair may include the replacement of parts or boards with functionally equivalent reconditioned or new parts or boards. A Product that has been repaired or replaced is warranted for the balance of the original warranty period. A Product for which a replacement has been provided shall become Iridium's property.

This warranty is made by Iridium to the Purchaser of the Products only, and it is not assignable or transferable by the Purchaser. This is Iridium's sole and complete warranty for the Products. Iridium assumes no obligation or liability for additions or modifications to this warranty unless made in writing and signed by an officer of Iridium. Iridium does not warrant any installation, maintenance, or service of the Products not performed by Iridium.

**This Product is covered by a U.S.A. warranty.** If the Product has been sold outside of the U.S.A., Iridium will honor the U.S.A. warranty terms and conditions only. Outside of the U.S.A., any different warranty terms, liabilities and/or legal requirements of the country in which the Product is sold are specifically disclaimed by Iridium.

### **2. Conditions Not Covered By This Warranty**

- a. Products that are integrated, installed, maintained, or serviced in any manner other than in accordance with the Iridium user documentation furnished with or applicable to the Product.
- b. Product damage caused by the use of ancillary equipment not furnished by Iridium, including accessories and peripherals.

- c. Problems where the Product is used in a combination with ancillary equipment not furnished by Iridium, and it is determined by Iridium there is no fault with the Product.
- d. Ancillary equipment not furnished by Iridium which is attached to or used in connection with the Products is not the responsibility of Iridium, and all such equipment is expressly excluded from this warranty. Furthermore, Iridium does not warrant the integrated operation of the combination of the Products with any ancillary equipment not furnished by Iridium.
- e. Defects or damage resulting from: use of the Product in any manner not normal or customary; misuse, accident or neglect including but not limited to dropping the Product onto hard surfaces, immersion in or exposure to water, rain or extreme humidity, immersion in or exposure to sand, dirt or other particulates, exposure to extreme heat, spills of food or liquid; improper testing, operation, maintenance, installation, adjustment; or any alteration or modification of any kind.
- f. Batteries manufactured by Iridium and sold with Products whose capacity exceeds 80% of rated capacity are not covered. Batteries whose capacity falls below 80% of rated capacity, or that develop leakage, shall be considered non-conforming. This warranty is voided for batteries if: a) such batteries are charged by other than the Iridium-approved battery charger specified for charging such batteries; b) any seals on such batteries are broken or show evidence of tampering; or c) such batteries are used in equipment other than the Product for which they are specified; or d) such batteries are charged and stored at temperatures greater than 60 degrees centigrade.
- g. Breakage or damage to antennas, or scratches or other damage to plastic surfaces or other externally exposed parts caused by Purchaser's use.
- h. Products disassembled or repaired in such a manner as to adversely affect performance or prevent adequate inspection and testing to verify any warranty claim.
- i. Products on which serial numbers or date tags have been removed, altered or obliterated.
- j. Coil cords that are stretched or on which the modular tab is broken; leather cases, which are covered under separate manufacturers' warranties;
- k. Products rented on a month-to-month basis.
- l. Normal wear and tear.

### **3. Obtaining Warranty Service**

For warranty questions, repairs, or for the return of Product, **please call your Service Provider or Point-of-Sale, not Iridium.** Equipment needing service should be returned to your **Service Provider or Point-of-Sale**, not Iridium.

SERVICE WORK PERFORMED BY SERVICE CENTERS NOT AUTHORIZED BY IRIDIUM TO PERFORM SUCH WORK WILL VOID THIS WARRANTY.

All Products shipped to Iridium's authorized Warranty Service Center must be shipped with freight and insurance prepaid. Purchaser must include with the Product a bill of sale, a lease, or some other comparable proof of purchase, the name and location of the installation facility, if any, and most importantly, the Purchaser's name, address, and telephone number and a written description of the problem. Product that is repaired or replaced under this warranty shall be returned to Purchaser at Iridium's expense for the freight and insurance, and at Purchaser's expense for any applicable duties or other charges. If additional information is needed, please contact Iridium at the address and phone number listed in Paragraph 7 below.

#### **4. General Provisions**

THIS WARRANTY IS GIVEN IN LIEU OF ALL OTHER WARRANTIES EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. FURTHER, THIS WARRANTY COVERS THE PRODUCTS ONLY, AND NO WARRANTY IS MADE AS TO COVERAGE, AVAILABILITY, OR GRADE OF SERVICE PROVIDED BY IRIDIUM SEPARATELY FOR IRIDIUM SATELLITE SERVICES. IN NO EVENT SHALL IRIDIUM BE LIABLE FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT IN QUESTION, OR FOR ANY LOSS OF USE, LOSS OF TIME, INCONVENIENCE, COMMERCIAL LOSS, LOST PROFITS OR SAVINGS OR OTHER INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE SUCH PRODUCT, TO THE FULL EXTENT SUCH MAY BE DISCLAIMED BY LAW.

#### **5. Conditions of Use and Disclaimer of Liability**

IN THE UNITED STATES, AND SUBJECT TO AVAILABILITY, CALLS TO 911 OR 112 ARE ROUTED TO AN EMERGENCY CALL CENTER FOR RESPONSE. OUTSIDE THE UNITED STATES, CALLS TO 911 OR 112, OR OTHER EMERGENCY ACCESS NUMBERS SUCH AS 999, ARE NOT AVAILABLE ON THE IRIDIUM SYSTEM. THE IRIDIUM SERVICE DOES NOT CURRENTLY PROVIDE ENHANCED 911 OR ENHANCED 112 SERVICE WHICH AUTOMATICALLY IDENTIFIES CALLER LOCATION. CALLER LOCATION IDENTIFICATION IS NOT AUTOMATICALLY TRANSMITTED ON THE IRIDIUM SYSTEM.

Users of the Iridium Satellite LLC ("Iridium") mobile satellite phone service and related equipment, including without limitation those using the phone service and equipment in any manner in conjunction with emergency 911 or emergency 112 or any other distress calling or emergency services, both public or privately operated, acknowledge and agree as a condition of the provision of phone service and equipment by Iridium that they will make no claim, whether in contract, tort or otherwise, against Iridium for bodily injury, loss of life, damage to property or for any other loss whatsoever, or for special, incidental, indirect, consequential or punitive damages, by reason of any unavailability, delay, faultiness or failures of the Iridium facilities or phone service or equipment or for inaccuracies or failures with regard to any user information provided. This is a waiver and release and disclaimer of liability to the fullest extent permitted by applicable law and applies regardless of the cause of any liability, including without limitations, to wrongful conduct, omission or fault of employees or agents of Iridium.

Iridium makes no warranties, express or implied, including any implied warranty of merchantability or fitness for a particular purpose concerning Iridium service or equipment. Iridium cannot promise uninterrupted or error free service.

Users by their use of the phone service and equipment consent to Iridium's disclosure of user information, including but not limited to name, address, telephone number and location information, including, when available, the geographic coordinates of equipment, to governmental and quasi-governmental agencies, where Iridium deems it necessary in its sole discretion to respond to an exigent circumstance. These governmental and quasi-governmental agencies shall be deemed "users" for all purposes of this Disclaimer of Liability.

## 6. State Law and Other Jurisdiction Rights; Software Copyrights

SOME STATES AND OTHER JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR LIMITATION ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO PURCHASER.

This warranty gives Purchaser specific legal rights, and Purchaser may also have other rights which vary from jurisdiction to jurisdiction.

Laws in the United States and other countries preserve for Iridium certain exclusive rights for copyrighted Product software such as the exclusive rights to reproduce in copies and distribute copies of such Product software. Product software may be copied into, used in and redistributed with only the Product associated with such Product software. No other use, including without limitation disassembly, of such Product software or exercise of exclusive rights in such Product software is permitted.

## 7. Contact

For additional information about this Product warranty, please contact your Service Provider or Point of Sale.

For additional information about Iridium products and services, please contact Iridium as follows:

By Telephone: Customer Service Toll Free from a Landline:  
+1-866-947-4348

Local or International Number:  
+1-480-752-5155

By Email: [Info@iridium.com](mailto:Info@iridium.com)

By Mail: Iridium Satellite LLC  
Attn: Customer Service  
8440 S. River Parkway, Tempe, AZ 85284  
USA





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