

9555 Handset User's Manual





9555 Handset User's Manual

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1 Introduction

Thank you for purchasing the state of the art Iridium 9555 Handset. Iridium is the only provider of truly global satellite voice and data communications solutions with complete coverage of the entire earth including oceans, airways and even polar regions. The Iridium Broadband Terminal delivers reliable, secure, real-time, simultaneous high quality voice and up to 144kbit/s data connection to the Iridium satellite network from any point on the globe.

If for any reason you need to correspond with us please have the XXXXXXXXX. Your comments and suggestions are welcome and greatly appreciated. They help us develop superior products for demanding professionals like you.

Contact us at: **Iridium to provide copy** 1/23/08

Address: Phone: Fax: E-mail: www.iridium.com

The information presented in this document is intended to form the basis of the 9555 Handset User Guide. The information given describes the procedures for operation of the handset and the facilities available

2 | Safety

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 <u>9</u>.

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 quidelines 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 quidelines. 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

Phone 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[®] satellite network.

Batteries



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.



Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to instructions on page 4.5.

- 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.

3 Overview

Guide Overview Need text for Guide Overview







Iridium 9555 Handset | 3 Overview

Figure 3 | 3

Back View



Indicators



Status Indicator LED

provides information on your phone's current state of service.

LED is	Indicates
Alternating red and green	A call is coming in.
Flashing green	You are recieving a signal from the Iridium satelite 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

The following icons will appear in your display to provide you various information about the phone.



lcons will appear in the upper right corner of the display

lcon	Indicator Description
	Signal Strength:
	Battery Charge:
	Real Time Clock:
	Message Indicator:
	Satelite Mode:

lcon	Indicator Description
	Home System Indicator:
	No Service Indicator:
	Scroll Bar:
	Check Mark:
	Hour Glass:
	Quick Access Menu:

Connectors Need Photo's and text for this section.

Accessories Need photos to draw images of accessories

AC Travel Charger and International Plug Kit Need image to draw

The AC Travel Charger and International Plug Kit provide rapid charge for optimal performance.

- can be used to power the phone when the battery is depleted.
- The battery must be installed when using the charger to power the phone.
- Includes five international plug adapters for use in Europe, United States, Canada, United Kingdom, Australia and India.
- Allows you to use the 9555 portable phone while recharging the battery. The battery should not be allowed to discharge fully.

Auto Accessory Adapter

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

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. **Need image to draw**

Lanyard Wrist Strap

The nylon wrist strap provides a convenient way to carry your phone. **Need image to draw**

4 | Getting Started

Installing and Removing the SIM Card The SIM card slot is located The SIM card slot is located under the battery. To Access the SIM card slot the battery must first be removed. (See page 4.2.)

To insert the SIM card:

Slide the SIM card it into the slot towards the bottom of the handset, the SIM card is held in place by a retaining clip which engages when the SIM card is fully in the slot. The orientation of the SIM card should be as shown **need visual to show this** (contacts facing down and cut-off inserted first).

Need a visual for direction on where the SIM card slot is located and what the clip, SIM Card and so forth looks like for illustration purposes.

To remove the SIM card:

Press down on the retaining clip and slide the SIM card out of the slot towards the top of the handset.

Iridium 9555 Handset | 4 Getting Started

Installing and Removing the Battery The battery compartment is located at the back of the handset.

To install the battery:

- 1. Push the battery latch up and away from the battery pack.
- Position the battery so the pegs on the end of the pack align with the slots in the battery compartment.
- Lower the opposite end of the battery on to the handset and press the battery until it is flush with the the casework.
 Note: the battery should click into place and be securely held by the battery latch located near the top of the handset.

To remove the battery:

- 1. Push the battery latch up and away from the battery pack.
- 2. The battery should release and raise slightly to easily remove the battery.

Need visual for illustrations purposes on all the steps above.

Charging the Battery

A battery charger is built into your 9555 Handset. For a power source to charge the battery, use the travel charger or auto accessory adapter.

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

To charge the battery:

- Connect the travel charger or auto accessory adapter to the phone. Need a visual of where on the phone this gets connected.
- Plug the travel charger or auto accessory adapter into the appropriate power source. The phone will beep.
- 3. The battery symbol on the LCD display flashes and Charging Battery is displayed. **Need a visual of display flashing and charging battery on display to draw this step.**

Note: Calls can still be made or received while the battery is charging however the battery will charge faster if the phone is turned off.

Checking
BatteryLow Battery Warning
When the battery is low and only a few
minutes of talk time remains, your phone will
indicate this in two ways:

- 1. Low Battery appears on the display. Need a visual of what this looks like for illustration purposes.
- 2. 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 hand corner of the display.

For Maxiumum Battery Life

Battery Information

AWARNING!

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

- Use Iridium approved battery chargers
- Use Iridium approved batteries
- Maintain the battery at or near room temperature when charging
- If the battery will not be used for a while, remove the battery from the phone and store in a cool, dark and dry place
- Battery life capacity is significantly reduced. at extreme temperatures. Such as -10°C (14°F) or above 45°C (113°F)

Disposing of Batteries

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

5 Using Your Phone

Start-up 1. Insert your SIM card if necessary.

Procedure 2. Turn the phone on by pressing and holding Π the **On/Off** button. \square When you turn your ^{...}∷ iridium phone's power on, you will see the wakeup screen. The wakeup screen displays a short animated sequence. Need visual of 0 \triangle 0 wake-up screen ∇ Need visual of ^{...}:.∙iridium 3. When the no service home system indicator disappears indicator and the **home system** indicator appears, you are ready to make a call. Δ

Messages

Power-on
MessagesOnce your phone is on, one of the messages may
appear. Follow the directive in the table below.

Message	Directive
Searching	The phone is attempting to establish communications with the satellite network. See "Accessing the Network" on page xx.
Registering	Your phone is registering with the network. When the process is complete, you will see Registered. See "Accessing the Network" on page xx.
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 Unlock Code	Your phone was locked after the last use. Enter your four-digit unlock code and press OK to proceed. See "Locking and Unlocking Your Phone" on page xx.
Enter PIN	Enter the four- to eight-digit SIM card PIN code provided by your service provider and press OK to proceed. See "Protecting the SIM card" on page xx.

Message	Directive
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.
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 xx 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 xx for instructions on how to unblock PIN2.
Bad Card	See Supplier. Your SIM card has been damaged or incorrectly issued. Contact your service provider for information.

Call

Placing a Before you place a call:

- The phone must be powered on
- SIM card inserted
- Phone is unlocked
- In contact with the satellite network. See "Accessing the Network" on page xx for network information.
- Antenna is fully extended and tilted at 45°.

Dial the Number

You can enter a phone number up to a maximum of xx digits. The digits are displayed on a single line that will scroll across the display.

1. Enter the number using the key pad. As you begin entering digits, you will see Options displayed above the left soft key and Clear displayed above the right soft key.

The phone number must be entered in international format: [international access code, oo, +] [country code] [phone number]





Note: If the antenna is not up, you will recieve the following alert message:





If the call does not connect, one of the following messages will appear. Follow the directive for the message.

Message	Directive
Busy Try Later Or 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 Last Number Called

Use the recently dialed call log or press the Convenience key.



Is this supposed to be about inserting special characters in your number pad and how to do it?

Dial special Characters

You can insert special characters in your number, +, oo, pause. This sentence is confusing, not sure what it means

By default when a number is entered a + will appear in the number entry field, if you would prefer to have oo entered by default or for no automatic entry then this can be configured using the Setup menu, See Number Entry on page xx.

Dial a number from the PhoneBook

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

- Using the Green key in your Phonebook
- Recalling and dialing an entry by name (page xx)
- Recalling and dialing one of the last ten numbers called (page xx)

See "Managing the PhoneBook on page xx for information on how to store and retrieve numbers from the phonebook.

End a Call

Press the red key to end a call.



Recieving a Call

Before you Receive a call:

- The phone must be powered on
- SIM card must be inserted
- Phone is unlocked
- In contact with the satellite network.
 See "Accessing the Network" on page xx for network information.

There are two scenarios for receiving calls depending on the antenna position:

- 1. Antenna extended
- 2. Antenna stowed i.e. in the down position.





If the call does not connect properly, the following message will appear:

Message	Directive
Call Failed	The antenna is not properly positioned or the network signal is not strong enough.



Iridium 9555 Handset | 5 Using Your Phone





If the call does not connect properly, the following message will appear:

Message	Directive
Call Failed	The antenna is not properly positioned or the network signal is not strong enough.

Iridium 9555 Handset | 5 Using Your Phone

Unanswered Calls

If you are away from your phone or choose not to answer a call your phone displays the message **1 Missed Call** or **No Missed Calls**.

Messages from Missed Calls

Callers who are unable to reach you can leave numeric, text, and voice messages that go to your Personal Mailbox. The next time you register with the satellite network you will receive the messages left in your Personal Mailbox. You have the option of saving the message for viewing later.

For information on retrieving messages, see **Accessing Received Messages** on page xx.



Note: All keys with the exception of the power key are locked. You can still answer an incoming call by pressing the green key when the keypad is locked.

Unlock the Keypad



Speaker volume

To adjust speaker volume:

- Increase the volume by pressing the upper volume control key, during a call.
- Decrease the volume by pressing the lower volume control key, during a call.

As you press the keys, you will hear the new volume level. The bar graph on the display indicates the volume level. The higher the graph, the louder the volume.

Note: The speaker volume can also be adjusted by using the Setup Menu.



Ringer Volume:

To adjust ringer 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, you will hear the new volume level. The bar graph on the display indicates the volume level. The higher the graph, the louder the volume.

Note: The ringer volume can also be adjusted by using the Setup Menu.

6 Using In-call Features

Muting a For privacy during a call, use the mute feature. Call For privacy during a call, use the mute feature. You hear the party on the other end, but the other party does not hear you.



Iridium 9555 Handset | 6 Using In-call Features

Speaker Phone

To allow the call to be shared with other people within close proximity to your phone, use the Speakerphone feature. In this mode the speaker in the rear of the phone is used instead of the normal earpiece/receiver.



Iridium 9555 Handset | 7 Using the Menus

7 Using the Menus

Many of the phones features are organized into lists of options called menus.

Navigate the Menus

Navigate the Menus using the soft keys

When you press the soft keys the function is shown on the display above the key. The function varies depending on the menu.



Navigate Menus using the 2-way navi-key

Pressing the 2-way navi-key allows you to step through the options on a menu screen.



To Access the Menus:



Press the **Left** soft key with **Menu** in the display.

Note: You cannot access the menus during a call.

To Exit the Menus:



8 Managing the Phonebook

Your satellite phone can store up to 100 names and numbers. The SIM card adds extra memory capacity.

Organizing There are two types of memory; phone memory and SIM card memory. The following Your memory and since and memory and since and memory and since and memory type and the a table lists the memory type and the a information the memory type holds. table lists the memory type and the amount of

	Phone Memory	SIM Card Memory
Personal Numbers	100 entries	155 entries
Fixed Dial Numbers	No entries	40 entries
Phone Number Digits	32	20
Name Characters	16	16

Note: SIM card capacity varies depending upon the card issued by your service provider

Additional security

You can configure your phone so that a PIN code is required every time your SIM card is inserted into a phone. The numbers stored on the phone memory should be more public numbers.







Entering Characters To enter names in your phone use the keypad.



For Example:

Use the number 2 key for letters A, B, and C

Press 1 time for A Press 2 times for B Press 3 times for C

Note: When you press the **#** key you to toggle between Capitals, lower case, and numbers. The mode currently selected is displayed at the bottom of the screen; the modes are indicated as **ABC**, **123**, **abc**.



Available Characters

Use the table below for entering characters 1. Space $1 \ge 0$ & \cdot "() `

I	Space.111@_Q. ()
2	
3	
4	This table appears to be
5	information. Please
6	provide complete table information
7	
8	
9	
0	

* Capital, Number, Non-capital

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 system's access number. Separate the numbers with "pauses" – special characters that tell your phone to wait a few seconds before sending additional numbers. The numbers can then be stored in the same way you would other numbers.

Enter Pauses in Numbers

1. Enter the phone number you use to access the automated system.



- Enter the numbers. If the automated system requires a * or #, enter those symbols too.
- Repeat steps 2 and 3 if necessary.
- 5. To store the entry follow the procedure in Add an Entry on page 8.2

Dial Numbers with Pauses

This may not be correct, did not have image to draw from. Please provide correct image.

Dial a number with Pauses



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, until all numbers are sent.

will be displayed.

Using Phone Number Prefixes There will be a menu to allow the user to select '+', 'oo', or no prefix. This will be or is a menu? Copy is incomplete for this section

Locating Entries

The Phonebook is sorted alphabetically, this makes locating entries easier. To locate an entry start at the **Main Screen**:



This may not be correct, did not have image to draw from. Please provide correct image.

This may not be correct, did not have image to draw from. Please provide correct image.

This may not be

correct, did not

have image to

Please provide correct image.

draw from.



- A list of options should be displayed including Call, SMS, Edit, Delete.
- 8. Highlight the option required and then press the left soft key, labelled **Selec**t to proceed.



 ∇

Note: The right soft key, labelled **Back**, will take you to the previous screen. The **red** key will return you to the Main screen.



This may not be correct, did not have image to draw from. Please provide correct image.



- 6. A list of options should be displayed, highlight the **Call** option, using the 2-way navi-key.
- Press the left soft key, labelled Select to proceed.

This may not be correct, did not have image to draw from. Please provide correct image.



Edit an Entry Starting at the Main Screen:



This may not be correct, did not have image to draw from. Please provide correct image.

[…]∷∙iridium This may not be Ronebook Call correct, did not SBI 6. A list of options will Edit Ølete have image to be displayed, draw from. highlight the Edit Selet Bk Please provide option, using the correct image. 2-way navi-key. \bigtriangleup 0 ∇ Press the left soft key, labelled Select to proceed. [.]∙..∙iridium This may not be Edit Entry Name: 8. Edit the Name or John_Smith correct, did not Number: Number as needed have image to 608_221_0298 Notes: by using the key pad. draw from. Save Clear You may also add Please provide Notes to the notes correct image. \triangle field in this display. ∇ 9. Press the left soft key, 3 DEF **2** ABC labelled Save. 6 MNO 4 GHI 5 KL Note: The right soft 7 pqr 9 XYZ key, labelled Back, **8** uvw will take you to the * # 0+ previous screen. The \bigcirc red key will return you to the Main screen.





Checking the Phonebook Capacity Use this feature to see how many phonebook memory locations are available in the SIM card memory and phone memory.





Preventing Access to the Phonebook You may want to restrict memory access when loaning your phone to others. You can choose to have a security code to allow access to the Phone and/or the SIM. These features can be selected via the Security Menu.




Iridium 9555 Handset | 8 Managing the Phonebook



Seems like there should be more to this section. This all the text I was provided. Iridium 9555 Handset | 8 Managing the Phonebook

Restricting Phonebook Does this need to be supported?

Activate Fixed Dialing

Add an Entry

Erase an Entry

Edit an Entry

View Your Fixed Dialing List

Text is missing for this entire section. First line looks like a question?

Viewing the Last Ten Calls Dialed Your phone saves the last ten calls Dialed. To view the phone numbers of the last ten calls you have made:



Iridium 9555 Handset | 8 Managing the Phonebook



Iridium 9555 Handset | 8 Managing the Phonebook

Viewing and
Modifying
Your PhoneView Your SIM card Phone NumbersText is not provided for this entire section.Your Phone
Numbers

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

No further information has been provided.

9 Using Message Services

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

Message Need text for this section menu

Checking Your Voicemail

Check your voicemail





If you have not previously stored a voicemail number, then you will see **No Number Available on the display**. See **Store Your Voicemail Number** on page 9.19 for instructions on how to enter a voicemail number.

Managing Your Received Calls

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 xx for instructions on how to set your phone's alert)
- The xx 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 character. For more information see Read a New Message on page 9.4.

How messages are Stored

Your phone stores all messages on the SIM card.

If the message indicator is flashing, your SIM card is full. See Delete a Message on page 9.6 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 xx, and the Call forwarding feature descriptions on pages xx - xx.

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 Need text for this section

Notification Messages

An incoming voicemail notification message automatically scrolls across your screen.

Need correct image to illustrate



Press the **left** soft key, labelled **Save** to store it to the SIM card.

OR

Press the **right** soft key, labelled **Delete** to delete it.

Text Messages

When you receive a new alphanumeric message, you will see **A new SMS has arrived Read Now?**

Need correct image to illustrate



Press the **left** soft key, labelled **Yes** to view the message.

OR

- Press the **right** soft key, labelled **No** to view the message later. See Read a Stored Message on page xx.
- You can use the **2-way navi-key** to scroll up/ down through the message.

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 xx) to make room for new messages on your SIM card.

Read a Stored Message









Reply to Sender







Note: If the sender's phone number is unavailable then you will be asked to enter the number.

Forward a Received Message





Managing Outgoing Messages

Create a new message and send it immediately, or store it in the outgoing messages list for later use. You can also edit a message that you have stored as a draft for later use.



Create and Send a new Message



Create and Send a New Email Message

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





Edit and Send a Stored Draft Message





Store Your Voicemail Number Managing Other Starting from the […]∷∙iridium Message Main screen: Settings hitatan 80 1. Press the left soft key, b∕hu Hp labelled Menu. \bigtriangleup \bigcirc ∇ […]∷ iridium ₿hu Bnebok Mssages 2. Use the **2-way navi-key** Voicemail Ðta Melm until Voicemail is Call Istoy Setp Secity highlighted. Back Select 3. Press the left soft key, labelled Select. \bigcirc • […]∷ iridium Voicemail Call Voicemail 4. Use the 2-way navi-key Voicemail Settings to scroll until Voicemail Settings is Select Back highlighted. \bigtriangleup 0 5. Press the left soft key, ∇ labelled **Selec**t.



Enter Service Center 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.





Set Expiry Period

Use this feature to specify the amount of time you would like your messages stored.





Select Delivery Reports

Use this feature to enable or disable message delivery reports.





10 Customizing Your Phone

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

menu

Phone Setup Need text for this section

Phone Ringer Settings

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

Adjust the Ringer Volume



Iridium 9555 Handset | 10 Customizing Your Phone



Iridium 9555 Handset | 10 Customizing Your Phone

Adjust the Ring Tone

This feature adjust the tone of the ringer. The Phone sounds the new tone as you adjust it.



Iridium 9555 Handset | 10 Customizing Your Phone


Set the Phone to Ring and /or Vibrate

This feature is ideal for situations where a ringing phone is inappropriate or in a loud environment. The vibrate function notifies you of incoming calls by discreet vibrations.

Ring/vibrate options:

- Ring only
- Vibrate only
- Vibrate then ring
- No ring or vibrate

Setting the Call Alert Mode





Adjust the Speaker Volume

Phone Ad Speaker Thi Volume The

This feature adjusts the volume of the speaker. The phone sounds the new volume level as you adjust it.





Alert Tone This feature adjusts the alert tone. The phone sounds the new tone as you adjust it.





Keypad Tone What does DTMF stand for? This feature selects the keypad tone. You can select to have a single tone, DTMF tones or no tones when the keypad is pressed.









Lock the Phone Instantly

This feature helps prevent unwanted use of your phone.





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

Unlock the Phone

How do you get to the place to enter your code? There seems to be here some steps missing. I will need more direction to illustrate this section

- **1.** Enter your 4-digit unlock code.
- 2. Press the **left soft** key, labelled **OK**.

Change the Unlock Code

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



The simulator does not have the change security code option. Will need an update or a visual.
G. Use the 2-way navike (Visual)
F. Use the 2-way navike (Visual)
G. Use the 2-way navike (Visual)
F. Use the 2-way navike (Visual)
F.

- 8. Enter the current security code then use the **2-way navi-key** to move to the next field and enter your new code, repeat the new code in the next field.
- 9. Press the **left** soft key, labelled **OK** to make the change.
- 10.The screen will display,Change SecurityCode?
- Press the left soft key, labelled Yes to make the change.
- **12.** Press the **right** soft key, labelled **Back** to return to the previous menu.
 - Press the **red** key to exit to the **Main screen**.



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 you phone is powered on. To change this setting, you need to enter the PIN code that your service provider gave you.



The simulator does not have the SIM option. Is this screen correct? If not I Will need an update or a visual.
4. Use the 2-way navi-key to until SIM is highlighted
5. Press the left soft key, labelled Select.

The simulator does not have the Active option. Will need an update or a new visual

- The Activate option should be highlighted, if not use the 2-way navi-key to scroll until it is.
- Press the left soft key, labelled Select.



Press the **right** soft key, labelled **Back** to return to the previous menu.

Press the **red** key to exit to the **Main screen**.



The simulator does not have the SIM option. I Will need an update or a visual.

- 8. Enter the current SIM card PIN code then use the **2-way navi-key** to move to the next field and enter your new PIN code, repeat the new PIN code in the next field.
- 9. Press the **left** soft key, labelled **OK** to make the change.
- 10. The screen will display, Change SIM PIN Code?
- Press the **left** soft key, labelled **Yes** to make the change.
- Press the **righ**t soft key, labelled **No** to abort the change

Press the **right** soft key, labelled **Back** to return to the previous menu. Press the **red** key to exit to the main menu.





Change the SIM Card PIN Code

- Use the **2-way navi**key to scroll until SIM is highlighted.
- 5. Press the **left** soft key, labelled **Select**.
- Use the 2-way navi-key to scroll until Change PIN Code is highlighted.
- Press the left soft key, labelled Select.
- 8. Enter the current SIM card PIN code then use

The simulator does not have the SIM option. I Will need an update or a visual. the **2-way navi-key** to move to the next field and enter your new PIN code, repeat the new PIN code in the next field.

- 9. Press the **left** soft key, labelled OK to make the change
- 10. The screen will display, Change SIM PIN Code?
- Press the **left** soft key, labelled **Yes** to make the change.
- Press the **right** soft key, labelled **No** to abort the change.

Press the **right** soft key, labelled **Back** to return to the previous menu. Press the **red** key to exit to the main screen.

Unblock the PIN Code

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



- Use the **2-way navi**key to scroll until SIM is highlighted.
- 5. Press the **left** soft key, labelled **Select**.
- Use the 2-way navi-key to scroll until Unblock
 PIN Code is highlighted.
- Press the left soft key, labelled Select.

- 8. Enter the eight-digit unblocking key, supplied by your service provider.
- Press the left soft key, labelled Select.
- 10. Enter a new SIM card PIN code then use the 2-way navi-key to move to the next field and enter your new PIN code again.
- Press the **left** soft key, labelled OK to make the change.
- 12. The screen will display, Change SIM PIN Code?
- Press the **left** soft key, labelled **Yes** to make the change.
- 14.Press the **right** soft key, labelled **No** to abort the change.

Press the right soft key, labelled Back to return to the previous menu. Press the **red** key to exit to the main screen.

Security Settings

Other Other security features include:

- a SIM card PIN2 code for accessing fixed dialing settings and other subscriptiondependent 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 the **2-way navi**key to scroll until SIM is highlighted.
- Press the left soft key, labelled Select.
- Use the 2-way navi-key to scroll until Unblock
 PIN Code2 is highlighted.
- Press the left soft key, labelled Select.
- 8. Enter the eight-digit unblocking key, supplied by your service provider.
- 9. Press the **left** soft key, labelled **Select**.
- 10. Enter a new SIM card PIN code2, then use the 2-way navi-key to move to the next field and enter your new PIN2 again.
- Press the left soft key, labelled OK to make the change.

12. The screen will display, Change SIM PIN2 Code?

 Press the left soft key, labelled Yes to make the change.

14.Press the **right** soft key, labelled **No** to abort the change.

> Press the **right** soft key, labelled **Back** to return to the previous menu.

Press the **red** key to exit to the **main** screen.

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 phonebook. It is originally set to 00000.



- Use the **2-way navi**key to scroll until SIM is highlighted.
- Press the left soft key, labelled Select.

- Use the 2-way navi-key to scroll until Change Security Code is highlighted.
- 7. Press the **left** soft key, labelled **Select**.
- 8. Enter the current Security code then use the **2-way navi-key** to move to the next field and enter your new Security code, repeat the new Security code in the next field.
- 9. Press the **left** soft key, labelled **OK** to make the change.
- 10. The screen will displayChange SecurityCode?.
- Press the **left** soft key, labelled **OK** to make the change.

- Press the left soft key, labelled Yes to make the change.
- 14. Press the **right** soft key, labelled **No** to abort the change.
 - Press the **right** soft key, labelled **Back** to return to the previous menu.
 - Press the **red** key to exit to the **main screen.**

Time and Date Settings

Select the Time Zone

Date Settings Your phone using the satellite network will obtain the time and date information, however, you need to select the time zone in which you are located.





Select Date Format

TBD

Select Time Format

TBD

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





Managing Backlights

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




Select Convenience Key Function

This feature selects the convenience key. You can choose to allocate one of four actions to the convenience key (the single button on the right hand side of the handset). These actions available are:

- No Action
- Start Call
- End Call
- Redial





Select Right Soft Function Key

This feature selects the function of the right soft key when the main screen is displayed. The default function is to display the Help screen which is useful for new users; however the function can be changed to access the Phonebook.





Managing Phone Settings

Reset Phone Options to Factory Defaults

Phone This feature resets all settings to their original default settings which include:

- Resets audible timers, in-call timer, and automatic lock
- Restores keypad tones to normal, ringer tone to standard, and the volume level to the middle (fourth bar) of its range.





11 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.

Menu

Call Meters Need text for this section

Timers

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

Show the Time of Last Call



Iridium 9555 Handset | 11 Timing Your Calls



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 turn off the phone.

Show Total Time for All Calls

This feature displays your total airtime since you last reset the Call timer.



Iridium 9555 Handset | 11 Timing Your Calls



- Use the **2-way Navi-key** to scroll until **Total Call Time** is highlighted.
- Press the **left soft** key, labelled **Select**.
- The airtime accumulation since the timer was last reset will be displayed on the screen. After a few seconds the display will return to the menu.
- Press the **right** soft key, labelled **Back** to return to the previous menu.

Press the **red** key to exit to the main menu.

Reset all Timers

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



Iridium 9555 Handset | 11 Timing Your Calls



Setting Audible Call Timers

This feature lets the phone watch the clock for you. The call timers signal at a set time or interval with beeps only you can hear. You can choose No Alert, Single Alert, or Repetitive Alert.



Set the Single Alert Timer

Iridium 9555 Handset | 11 Timing Your Calls



Set the Repetitive Timer

This feature sets your phone to alert you at specific intervals, for example every 45 seconds.



Iridium 9555 Handset | 11 Timing Your Calls



Showing the In-call Timer

This feature displays a running clock of the airtime elapsed while on a call.



Iridium 9555 Handset | 11 Timing Your Calls



12 Troubleshooting

Problem	Solution
You can't turn the phone's power on	 Did you press and hold the power button for three seconds to turn the phone's power on? Check the battery. Is it charged, properly fitted, and are the contacts clean and dry?
You can't make calls	 Check the antenna. Is it fully extended and correctly angled? Do you have a clear unobstructed view of the sky? Did you enter the number in international format? All calls made from the Iridium satellite system must be in international format. 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. Is Restricted displayed? Check the Call Barring setting. Has a new SIM card been inserted? Check that no new restrictions have been imposed. 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.

continued on next page

Iridium 9555 Handset | 12 Troubleshooting

Problem	Solution
You can't receive calls	 Check to see that your phone is powered on. Check the antenna. Is it fully extended and correctly angled? Do you have a clear unobstructed view of the sky? 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. Check the Call Forwarding and Call Barring settings. Check the Ringer setting. If it is off, there is no audible ringer. Check to see if your fixed dialing list is enabled.
You can't make international calls	Have you included the relevant codes? Enter oo or + followed by the appropriate country code and the phone number.
Your phone will not unlock	 Have you inserted a new SIM card? Enter the new PIN code. Enter the default phone unlock code – 1234 Have you forgotten the unlock code? xxxxxxxxxxxx
Your PIN is blocked	Enter the PIN unblocking code or contact your service provider. See Unblock the PIN code on page xx for additional information.
Your PIN2 is blocked	Enter the PIN2 unblocking code or contact your service provider. See Unblock the PIN2 code on page xx for additional information.

Problem	Solution
Your SIM card will not work	 Is the SIM card inserted the correct way? Is the card visibly damaged or scratched? Return the card to your service provider. Check the SIM and card contacts. If they are dirty, clean them with an antistatic cloth.
You can't cancel Call Forwarding or Call Barring	Wait until you are in an area with good network coverage and try again.
The message indicator is flashing	There is not enough memory available to store another message. Use the messages menu to delete one or more messages.
The battery won't charge	 Check the charger. Is it properly connected? Are its contacts clean and dry? Check the battery contacts. Are they clean and dry? Check the battery temperature. If it is warm, let it cool before charging. Is it an old battery? Battery performance declines after several years of use. Replace the battery. Make sure you have an Iridium approved battery installed. If you see Invalid Batt on the display, you will not be able to charge this battery.

continued on the next page

Problem	Solution
The battery drains faster than normal	 Are you in an area of variable coverage? This uses extra battery power.
	 Is your antenna fully extended and correctly angled? Do you have a clear unobstructed view of the sky? This helps use less battery power. Is it a new battery? A new battery needs two to three charge/discharge cycles to attain normal performance Is it an old battery? Battery performance declines after several years of use. Replace the battery. Is it a battery that hasn't been completely discharge (until the phone turns itself off) and then charge the battery overnight. Are you using your phone in extreme temperatures? At extreme hot or cold temperatures, battery performance is significantly reduced.
You find your phone becoming warm during use	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.
Phone is not responding to user controls including the power keys	Remove the battery from the phone and then reattach it to cycle power and reset.

Problem	Solution
Your SIM card is inserted in the phone but the display says:	Check Card or Insert Card Check that the SIM card has been inserted correctly. The contacts of the SIM card may be dirty. Turm the phone off, remove the SIM card and rub the contacts with a cleam cloth. Replace the card in the phone.
	Blocked Enter the PIN unblocking key or contact your service provider. See Unblock the PIN code on page xx and "Unblock the PIN2 code" on page xx for additional information.
You find your phone's prompts in a language other than your own	 Power on the phone Press left soft key for menu Press down 5 times for Setup, then left soft key for Select Press down 3 times for Languages, then left soft key for Select Press left soft key for Select

13 Patent Information

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	241545	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 5	572193
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	5486843	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

Iridium 9555 Handset | 13 Patent Information

4571595	4727583	4897873	057762	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

14 Warranty Information

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.

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- 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.
- Batteries manufactured by Iridium and f. 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 nonconforming. 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.
- Products disassembled or repaired in such a manner as to adversely affect performance or prevent adequate inspection and testing to verify any warranty claim.

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- 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.
- 1. 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 OUESTION, OR FOR ANY LOSS OF USE, LOSS OF TIME, INCONVENIENCE, COMMERCIAL LOSS, LOST PROFITS OR SAVINGS OR OTHER INCIDENTAL. SPECIAL, OR CONSEOUENTIAL 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

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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 guasi-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 ServiceProvider or Point of Sale.For additional information

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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

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

Iridium Satellite LLC Headquarters 6701 Democracy Blvd., Suite 500 Bethesda, MD 20817 USA

Phone: +1.301.571.6200 **Fax:** +1.301.571.6250

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