







Erasing a Provider from the Prohibited List






1. From standby mode, press  menu.
2. Press  System.
3. Press  SP (service provider) Select.
4. Press  Prohb List.
5. Scroll to select a service provider.
6. Press  erase.
7. Press  ok.
8. Re-register your phone (see Phone Registering, page 79).

Force Service Provider Selection

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



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

To force service provider selection




1. From standby mode, press  menu.
2. Press  System.
3. Press  SP (service provider) Select.
4. Press  Force SPS (service provider selection).
5. Press  ok.

Service Provider

To display the current service provider's name

1. From standby mode, press  menu.
2. Press  System.






System Menu

3. Press  SrvcPrvder.
4. Press  or .

Territory

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



To display the territory information

1. From standby mode, press  menu.
2. Press  System.
3. Press  Territory.
4. Press  or .

My Number

This feature displays your phone number and service provider name.

To display your phone number

1. From standby mode, press  menu.
2. Press  My Number.

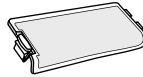
Battery Care and Maintenance

This section contains information about the care and maintenance of the phone batteries.

- Battery care and charging
- Battery chargers
- Low battery
- Battery removal
- Battery replacement

Battery

A rechargeable battery is located on the back of the phone:



The following is typical battery performance:

Service Mode	Talk Time	Standby Time
Globalstar Satellite	4 hours	36 hours

Battery Care and Maintenance

Battery care and charging

The battery charge level indicator is shown at the top right of the screen and ranges between four vertical bars (full charge) to one bar (minimal charge). If the indicator has no bars, the battery has no charge.



Fully charge the battery immediately after purchasing the phone to maximize the talk and standby times. The battery does not need to be completely drained before you recharge it. (See Low battery, page 87, for more information.)

Follow these guidelines for batteries:

- Only use QUALCOMM batteries and chargers designed for this phone. Only QUALCOMM batteries are designed to prevent overcharging. Do not use any other battery or charger.
- To maximize battery life, set the backlight option to “off” (see Backlight, page 64).
- To prevent damage, do not charge the battery in temperatures less than +32 °F (0 °C) or greater than +104 °F (+40 °C).
- Do not use the battery in temperatures less than -4 °F (-20 °C) or greater than +140 °F (+60 °C).
- Do not use the battery charger in direct sunlight or in places with excessive humidity, such as a bathroom.
- Keep the metal contacts at the top end of the battery clean.
- Never dispose of the battery in a fire or trash compactor.
- Do not try to disassemble or short circuit the battery.
- Recharge the battery if the phone has not been used for several months.
- Do not store batteries in places where temperatures are below -22 °F (-30 °C) or above +140 °F (+60 °C).

Battery chargers

There are three (3) battery charger options (see Accessories, page 99):



- AC wall charger
- Universal travel charger
- Car power adapter/vehicle charger



Note

To avoid damaging the phone when using the AC wall charger, plug the charger into the power source first, and then into the phone.

About battery charging

- The battery recharges while the phone is in use.
- For faster charging, turn the phone off.
- The battery does not need to be completely drained before recharging.
- After connecting the phone to one of the chargers, check the charging status:
 - If the battery is charging, the bars on the battery indicator  flash in sequence.
 - If the phone is turned off, a message displays and the bars on the battery indicator  flash in sequence. When charging is complete, a message displays on the screen.
- The universal travel charger allows you to:
 - Charge the battery while it is attached to the phone.
 - Charge the battery during use or when turned off.
 - Charge another battery at the same time.

Low battery

The phone alerts you when the battery is low.

- The battery indicator flashes.

Battery Care and Maintenance

- The phone beeps three times (if you are on a call, the phone continues to beep every minute).
- The message “Low Battery! Recharge Battery Soon” displays on the screen.
- If the battery level gets too low, the phone turns off and loses any call in progress.
 - Before turning off, the phone alerts you with five beeps.
 - The message “Low Battery, Turning Off Phone Now” displays on the screen.



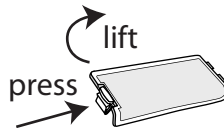
Tip

To turn off the battery alert, set the ringer volume to zero (0).

Battery removal

To remove the battery, complete the following steps.

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



4. Remove battery as described in Battery replacement, page 89.

Battery replacement

To replace the battery, complete the following steps.

1. If a battery is already installed, turn the power off to prevent losing data and then remove the battery (see Battery removal, page 88).
2. On the new replacement battery, locate the three tabs shown below.

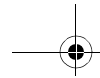


3. Align the tabs to the slots in the battery cavity of the phone.



4. Insert the battery into place.





Battery Care and Maintenance



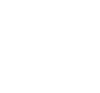
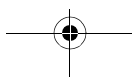
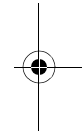
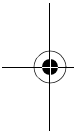
5. Align the tabs of the battery cover with the slots on the battery cavity.



6. Press down on the battery lid to snap it securely into place.



Safely dispose of the old battery, as described in Battery care, page 97.



Safety Information

This section contains the following safety information for wireless handheld phones:

- FCC/IC notice
- Exposure to radio frequency signals
- Body-worn operation
- Antenna care
- Phone operation
- Driving
- Electronic devices
- Aircraft
- Blasting area
- Potentially explosive atmosphere
- For vehicles equipped with an air bag
- Battery care
- Other safety issues

FCC/IC notice

This device complies with part 15 of the Federal Communications Commissions (FCC) rules. Operation is subject to the following conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

To comply with FCC radiation exposure requirements, use of this device for body-worn operational configurations is limited to accessories tested and approved by QUALCOMM and Globalstar. Other accessories used with this device for body-worn operations must not contain any metallic components and must provide at least 15 mm separation distance between the antenna and the user's body. Other accessories that have not been tested for body-

Safety Information

worn Specific Absorption Rate (SAR) may not comply with FCC radiation exposure limits and should be avoided.

Exposure to radio frequency signals

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

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

- ANSI/IEEE C95.1 (1999)¹
- NCRP Report 86 (1986)²
- ICNIRP (1998)³
- IRPA (1991) Guidelines on Protection Against Non-ionizing Radiation⁴

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

The SAR limit for the United States and Canada is set by the FCC at 1.6 mW/g, averaged over one gram volume limit. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements. Tests for SAR are conducted using standard operating positions specified by the FCC with the phone transmitting at the highest certified power level in all tested frequency bands. The phone, while operating, can be well below the maximum level.

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

Safety Information

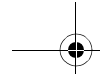
Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations as required by the FCC for each model. The highest SAR value for this model phone when used at the ear is 0.020 mW/g and when worn on the body, is 0.564 mW/g at 15 mm separation distance. (Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements.) While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure. The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF emission guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section: fcc.gov/oet/fccid after searching on FCC ID J9CGSK2UT. More information on SAR can be found on the Cellular Telecommunications and Internet Association (CTIA) web site, www.ctia.com.

Tests were also performed as required by the EU for each model. The highest SAR value for this model phone when used at the ear is 0.013 mW/g and when worn on the body, is 0.345 mW/g at 15 mm separation distance. The SAR limit for the EU is set at 2.0 mW/g, averaged over ten gram volume limit.

Body-worn operation

Your telephone was tested for typical body-worn operations, with the back of the phone being kept 15 mm from the body. To comply with FCC RF exposure requirements, a minimum separation of 15 mm must be maintained between your body and the back of the phone, including the antenna.

Third-party belt clips and similar accessories containing metallic components should not be used with your phone. Body-worn accessories that cannot maintain a 15 mm separation distance between your body and the back of the phone, and that have not been tested for typical body-worn operations may not comply with FCC RF exposure limits, and should be avoided.



Safety Information



Antenna care

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

Phone operation

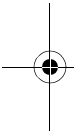
Hold the phone as you would any other telephone with the antenna pointed up and over your shoulder.



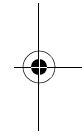
Tip

For your phone to operate most efficiently:

- Rotate and fully extend the antenna.
- 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.



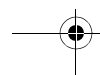
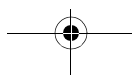
Driving



In the areas where you drive, always obey the local laws and regulations on the use of wireless telephones.

If using your phone while driving, please:

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



Electronic devices

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

Pacemakers

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

When wearing a pacemaker:

- Always keep the phone more than six inches from the pacemaker when the phone is turned on.
- Do not carry the phone in a breast pocket.
- Use the ear opposite the pacemaker to minimize the potential for interference.
- If you have any reason to suspect that interference is taking place, turn your phone off immediately.

Hearing aids

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

Other medical devices

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

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



Safety Information



Vehicles and vessels

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 or vessel.

Posted facilities

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

Aircraft

FCC regulations prohibit using your phone while in the air. Switch off your phone before boarding an aircraft.

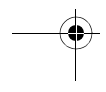
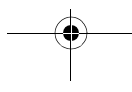
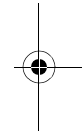
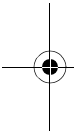
Blasting areas

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

Potentially explosive atmospheres

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

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



For vehicles equipped with an air bag

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

Battery care

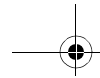
The phone's battery stores a large amount of energy when fully charged. If the battery is punctured, crushed, severely overheated, or charged in a non-QUALCOMM charger, this energy can be released suddenly and result in potential injury.

- Do not overheat the battery by leaving it on a heater or in the sun.
- Do not dispose of the battery in a trash compactor or incinerator.
- Use only charging accessories manufactured by QUALCOMM, and discontinue use of the battery if it becomes damaged.

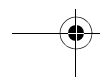
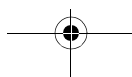
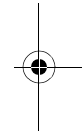
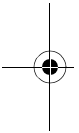
Other safety issues

In order to avoid the potential for confusing the phone as a weapon, the phone features a distinctive flame orange dot at the tip of the antenna.

- This orange dot is a convention used by manufacturers of various devices and is familiar to safety officers in the country of manufacture and other countries.
- Do not remove or cover the dot, and avoid using or handling the phone in a threatening manner or so as to suggest that the phone is a weapon.



Safety Information



Accessories

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



Caution

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

Battery

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

AC wall charger

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

Universal travel charger

The universal travel charger allows you to charge a battery attached to the phone. At the same time, you can charge a battery detached from the phone and installed in the universal travel charger. The phone comes with a plug that corresponds to the target country.

Car power adapter/vehicle charger

The car power adapter/vehicle charger supports both U.S. and European vehicles. For European vehicles, insert the adapter into the sleeve.

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

Accessories

Data cables

The Globalstar data cable is required to connect your computer (or Windows CE or other handheld organizer) to the phone. Depending on the computer or other device, additional cables or an adapter may be required.

With the Globalstar data cable installed, your computer (or handheld organizer) can be used to send and receive email, use Telnet or FTP, or browse the Internet.

Hands-free operation

The Globalstar Installation Kit includes a hands-free component that adapts your phone for hands-free operation in your vehicle. For more information, see the GIK-1700 Globalstar Installation Kit documentation.




Caution

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

Troubleshooting

This section provides information to help troubleshoot your phone.
If the problems with your phone are not resolved by following these troubleshooting tips, contact your service provider.

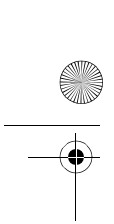
Problem	Solution
Turning the phone on	<ul style="list-style-type: none">■ Hold  for more than one second.■ Check the battery installation.■ Recharge or replace the battery.
Charging the battery	<ul style="list-style-type: none">■ Install only QUALCOMM batteries.■ Check that the battery contacts are clean and dry.■ Check the charger connection.■ If the battery does not charge at first, remove the charger plug from the phone, wait ten seconds, and then reinsert the plug.■ Check the battery temperature. If it is too warm, allow it to cool before recharging it.■ Replace the battery if it is several years old.

Troubleshooting

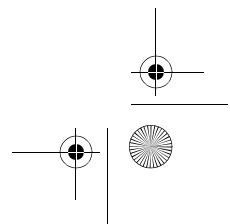
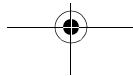
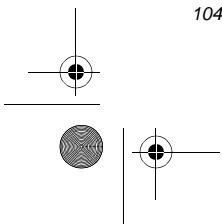
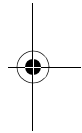
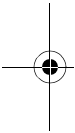
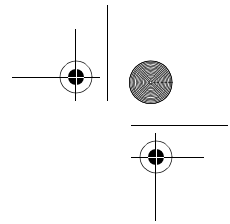
Problem	Solution
Battery draining quickly	<ul style="list-style-type: none">■ Check that your antenna is pointing straight up and has a clear view of the sky to conserve battery life.■ Set the backlight option to “off” (see Backlight, page 64).■ Replace the battery if it is several years old.■ Check the battery temperature. If temperatures are too warm or too cold, battery life is decreased.■ Disable the Ring While Stowed feature.
Making calls	<ul style="list-style-type: none">■ Rotate and fully extend the antenna.■ Ensure that the antenna has a clear view of the sky.■ Check the signal strength indicator.■ If “Calling is Restricted” displays, check the Restrict Phone setting under the Security menu (see Restricting the phone, page 55).■ Remove all service providers from the Prohibited List (see Erasing a Provider from the Prohibited List, page 83).

Troubleshooting

Problem	Solution
Receiving calls	<ul style="list-style-type: none">■ Check that the phone is turned on.■ Check that the ringer is loud enough.■ Rotate and fully extend the antenna.■ Ensure that the antenna has a clear view of the sky.■ Check the signal strength indicator.■ Remove all service providers from the Prohibited List (see Erasing a Provider from the Prohibited List, page 83).
Losing calls	<ul style="list-style-type: none">■ Ensure that your antenna is pointing straight up when placed next to your head and when using the keypad or viewing the screen.■ Ensure that the antenna has a clear view of the sky.■ Rotate and fully extend the antenna.■ Check the signal strength indicator.
Remembering your lock code	<ul style="list-style-type: none">■ Contact your service provider for the lock code for the Security menu or phone lock feature.



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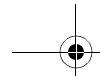
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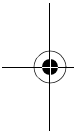
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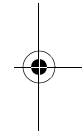
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