

# Globalstar GSP-1600 Handheld Tri-Mode Phone

No matter where your remote jobsite is located, Globalstar is your trusted companion. The GSP-1600 delivers clear digital voice and data communications virtually anywhere, combining Code Division Multiple Access (CDMA) technology and a constellation of multiple Low-Earth Orbit (LEO) satellites.

LEO satellites enable Globalstar to practically eliminate voice delay and maintain optimum battery life. The handset is also compact, which makes it easy to travel with. Plus it's reliable, ensuring superior voice quality and fewer dropped calls. Like many Globalstar products, the GSP-1600 provides a reliable, low-cost data solution that ensures the ability to send information via email or the Internet virtually anywhere in the world.

Globalstar Tri-Mode phones are designed with the flexibility to meet the needs of customers who already depend on wireless communications, but find themselves in areas where cellular or radio coverage is either unavailable or inaccessible. The Globalstar Tri-Mode phone is designed to complement existing fixed and cellular telephone networks by switching from terrestrial cellular telephony to satellite telephony as required. These features provide the Globalstar user the highest level of service and convenience.

## HANDHELD TRI-MODE PHONE ADVANTAGES:

- Modes - Globalstar CDMA Satellite
  - Cellular Digital CDMA (800 MHz)
  - Cellular Analog AMPS (800 MHz)
- Comfortable and lightweight design
- Satellite antenna rotates and stows into the handset for convenience
- Easy to use and portable

## A WIDE RANGE OF GLOBALSTAR SERVICES INCLUDE:

- Voice
- Voice Mail Services
- Data Services
- Short Message Service (SMS)
- Display Position Location Information

## DATA SERVICES:

Through the GSP-1600, Globalstar offers efficient and reliable 9600 bps data services. Subscribers can access data services through the Globalstar network or through direct dial-up services from virtually anywhere in the world. Using the data cable to connect the Tri-Mode phone to a computer's RS232 port, sending and receiving information has never been easier. The Globalstar Data Kit (not included) includes a software CD and cable for installation and use.

## GSP-1600 INCLUDES:

- GSP-1600 Handset
- Lithium Ion Battery
- North American Wall Charger
- User Manual
- Optional Accessories (not included) – see reverse



Visit Globalstar at [www.globalstar.ca](http://www.globalstar.ca) for service plan and coverage details.

  
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## TECHNICAL SPECIFICATIONS GSP-1600 HANDHELD TRI-MODE PHONE

### ACCESSORIES (OPTIONAL)



HANDS-FREE CAR KIT

DATA CABLE



CIGARETTE LIGHTER ADAPTER/CHARGER



UNIVERSAL TRAVEL CHARGER



NORTH AMERICAN WALL CHARGER



PROTECTIVE LEATHER CASE



LITHIUM ION BATTERY PACK

### TEMPERATURE RANGE

Phone  
Car Kit Antenna  
Car Kit Cradle

### OPERATIONAL

-20 to +55°C (-4 to +131°F)  
-30 to +50°C (-22 to +122°F)  
-30 to +50°C (-22 to +122°F)

### NON-OPERATIONAL

-30 to +60°C (-22 to +140°F)  
-40 to +85°C (-40 to +185°F)  
-40 to +85°C (-40 to +185°F)

### RF POWER OUTPUT (CAR KIT)

400 mW maximum (+26 dBm) (Satellite mode)  
.89 watts maximum (+29.5 dBm)

### VOCODER

8k variable rate vocoder for Globalstar mode  
13k variable rate vocoder for CDMA mode

### FREQUENCY RANGE

Globalstar Transmit: 1610.73 to 1625.49 MHz  
Globalstar Receive: 2484.39 to 2499.15 MHz  
Cellular Transmit: 824.01 to 848.97 MHz  
Cellular Receive: 869.01 to 893.97 MHz

### TECHNOLOGY

Globalstar Satellite Mode (CDMA)  
800 MHz CDMA (Digital Cellular)  
800 MHz AMPS (Analog Cellular)

### FEATURES:

- Battery Meter
- Signal Strength Indicator
- Voice Mail Notification
- 99 Memory location with call restriction
- Call History Log

### TRI-MODE PHONE SIZE SPECIFICATIONS:\*

The Globalstar Tri-Mode phone offers an ergonomic design that makes it comfortable for hand-held operation. The phone measures 400cc in total volume and weighs 384 grams. The height is 177 mm, the width is 57 mm and the thickness is 48 mm (excluding the cellular antenna). The antenna, when held in a vertical position, communicates with the Globalstar satellite at elevations more than 10 degrees above the horizon. The Globalstar antenna rotates and stows into the handset for convenience when not in use.

\* All measurements for height and volume include standard battery and assume the Globalstar antenna is stowed.

### TALK TIME/STANDBY TIME:

- In Globalstar satellite mode, the phone will sustain normal operation for 3.75 hours of talk time, 19 hours of standby time.
- In CDMA (IS-95) mode, the phone will sustain normal operation for 4.7 hours of talk time or 75 hours of standby time.
- In AMPS (IS-41) mode, the phone will sustain normal operation for 2.8 hours of talk time or 15 hours of standby time.

[www.globalstar.ca](http://www.globalstar.ca)

Some conditions apply. Rates for minutes based on individual price plan. Coverage may vary. Specifications subject to change without notice. Ask your local Globalstar Authorized Dealer for complete pricing and coverage information. Or see complete details at [www.globalstar.ca](http://www.globalstar.ca). Globalstar Canada Satellite Co. © 2004. All rights reserved. 75 Watline Avenue, Suite 140, Mississauga ON L4Z 3E5 Canada, P: 1.877.728.7466, F: 905.890.2175. Please see complete details of Globalstar service in the Terms and Conditions on our website, [www.globalstar.ca](http://www.globalstar.ca).

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