



GLOBALSTAR

G S P  
1600

# SATELLITE PHONE

TRI-MODE SATELLITE & CELLULAR PHONE

www.qualcomm.com

Globalstar Tri-Mode portable phone offers clear digital voice and data communications worldwide by utilizing QUALCOMM's Code Division Multiple Access (CDMA) technology combined with a constellation of Low-Earth Orbit (LEO) satellites. Globalstar Tri-Mode portable phone is designed to provide a low cost solution to extend the ability to communicate from outside cellular and land line phones, as well as, in areas where cellular or land line phones are inaccessible due to lack of coverage or incompatible cellular technologies.

**Globalstar**

## QUALCOMM's Globalstar Tri-Mode Portable Phone Provides:

- Satellite Coverage
- Global Roaming
- Compatibility with existing AMPS and CDMA (IS-95) cellular networks
- Superior Digital Voice and Data Quality
- Reliable Service

Globalstar Tri-Mode Phones from QUALCOMM are designed with the flexibility to meet the needs of cellular users who already consume a high volume of airtime, but find themselves in areas where cellular coverage is either unavailable, incompatible or inaccessible. QUALCOMM's Globalstar Tri-Mode Phone is designed to compliment existing fixed and cellular telephone networks by switching from terrestrial cellular telephony to satellite telephony as required. Interoperability between the Globalstar communications system and cellular Service Providers is assured, and the subscriber maintains a convenient single point of billing. These features provide the Globalstar user the highest level of service and convenience, which increases subscriber's satisfaction and loyalty to the cellular Service Provider.

## A Wide Range Of Globalstar Services Include:

- Voice
- Short Message Service (SMS)
- Caller ID

- Voice Mail Service (VMS)
- Position Location\*
- Packet Data Transmission†
- Digital Facsimile†

The QUALCOMM Globalstar phones communicate with the satellite constellation using CDMA technology, which has been recognized for superior voice quality, reliability and security. Using LEO satellites enables the Globalstar System to maintain lower power consumption and propagation delay, resulting in a smaller sized handset with excellent voice quality, comparable, and in some cases, superior to today's digital cellular networks.

## Accessories (as available):

- Packet Data Cable
- North American and European Wall Charger
- Hands-Free Car Kit
- Cigarette Lighter Adapter/Charger
- Protective Leather Case
- Universal Travel Charger

## Accessories

Cigarette Lighter Adapter/Charger



Protective Leather Case



Data Cable



Universal Travel Charger



North American Wall Charger



European Wall Charger



Hands-Free Car Kit



### Technical Specifications

|                           |  |
|---------------------------|--|
| Phone (temperature range) | Operational -20 to +55 °C, Non-Operational -30 to +60 °C   |
| RF Power Output           | 400 mW maximum (+26 dBm)   |
| Vocoder                   | QUALCOMM 8k variable rate vocoder for Globalstar mode<br>13k variable rate vocoder for CDMA mode   |
| Frequency Range           | Globalstar Reverse Link: 1610.73 to 1625.49 MHz<br>Globalstar Forward Link: 2484.39 to 2499.15 MHz<br>Cellular Reverse Link: 824.01 to 848.97 MHz<br>Cellular Forward Link: 869.01 to 893.97 MHz |
| Technology                | QUALCOMM Digital CDMA<br>AMPS 800 MHz (Advanced Mobile Phone System)   |
| Talk Time/Standby Time    | Globalstar mode 3.5 hours talk time, 9 hours standby<br>CDMA mode 4.5 hours talk time, 72 hours standby<br>AMPS mode 2.5 hours talk time, 14 hours standby                                       |
| Volume Weight Dimensions  | 400 cc<br>370 grams<br>177mm H x 57mm W x 48mm D   |

† Consult your Globalstar service provider for packet data coverage for Gateways in your area. A computer and Internet Service Provider (ISP) are required to utilize packet data services. Service provider activation required.

\*Advanced services for the GSP-1600 Portable Tri-Mode Satellite Phone may vary depending on the service provider you select. Service provider activation required.



GSP-1600



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