

QUALCOMM®



GLOBALSTAR

G S P  
2800/2900

## FIXED SATELLITE PHONE

ONE SYSTEM. ONE ANTENNA, ONE PHONE.

The Globalstar system, making use of 48 Low-Earth Orbit satellites, is set to revolutionize the world of communications before the end of the millennium. From rural or remote areas where population densities cannot justify the deployment cost of conventional wireline or terrestrial-based wireless solutions, users will enjoy telephone service using QUALCOMM's Globalstar Fixed Satellite Phone.

The QUALCOMM Globalstar Fixed Satellite Phone meets an immediate need for voice communications, while offering flexibility, capacity and quality needed for future growth in demand. The telephone set is easy to use, versatile and dependable.

www.qualcomm.com

Globalstar

The QUALCOMM Globalstar Fixed Satellite Phone combines the ready availability of a two-wire telephone set with the superior performance of a state-of-the-art digital wireless technology, QUALCOMM's Code Division Multiple Access (CDMA), and the Globalstar system.

## Components

The components comprising a completed installation for QUALCOMM's Globalstar Fixed Satellite Phone are:

- Radio Antenna Unit (RAU)
- Junction Box (minimizes damage from lightning strikes)
- Power Supply
- Two-wire Telephone Set
- Telco/Power Cable

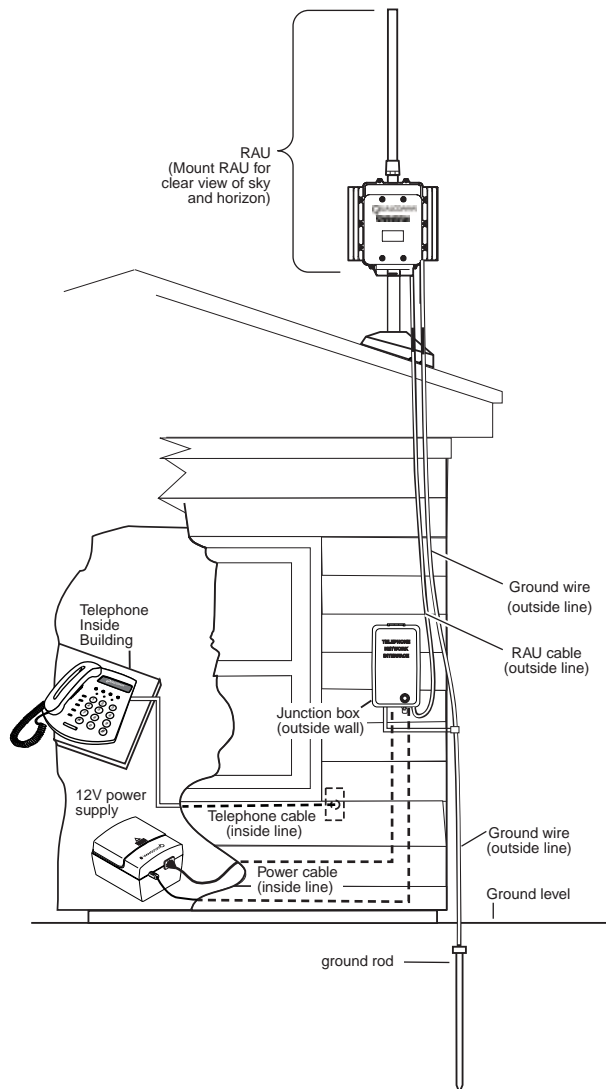
The roof mounted RAU provides over the air communications in typical environmental climates and can be used in extreme environments as well. The telephone set provides user access to a wide range of Globalstar satellite services.

## Available Customer Product Configurations

### Standard Model (GSP-2800)

This configuration is designed for sale in countries with prohibitively high import tariffs; the installer can elect in-country purchase/fabrication of the additional components needed to complete the installation. The standard kit consists of the RAU and the junction box only.

## TOP MOUNT



RAU



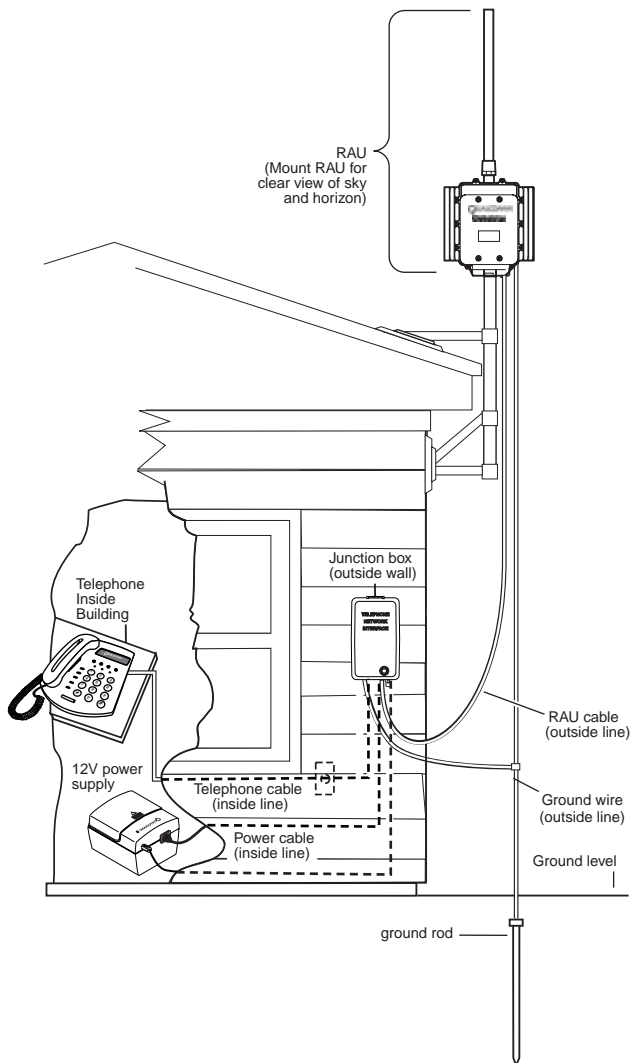
Telephone Set



Power Supply



## SIDE MOUNT



## Enhanced Model (GSP-2900)

As an enhanced turnkey solution, the configuration includes an RAU, 15m of connecting cable, junction box, stylish two-wire line telephone set and a 12VDC output/ universal AC input power supply complete with backup battery.

A detailed installation manual is available for both the Standard and the Enhanced models.

## Features

In addition to offering clear voice quality of CDMA technology, the QUALCOMM Globalstar Fixed Satellite Phone features a two-wire RJ-11 connector, allowing the subscriber to place calls using inexpensive, commercially available telephone sets. The two-wire RJ-11 connector permits the use of cordless telephone models as well as those equipped with a speakerphone or built-in answering machine.

## Installation

The RAU, junction box, and cabling are designed for outdoor use and if properly installed, will not be harmed by weather extremes.

Your service provider will arrange for or perform the installation and maintenance of the equipment required to place or receive calls over the Globalstar System.

All products include mounting hardware.

## Radio Antenna Unit

- Acts as a radio receiver and transmitter connecting telephone set with Globalstar low-Earth orbit satellites

with Backup Battery



Junction Box



Components for Enhanced Model



- RAU antenna must have clear view of sky and horizon
- Globalstar/RAU operating frequencies:  
TX: 1610.73 to 1625.49 MHz (reverse link)  
RX: 2484.39 to 2499.15 MHz (forward link)
- Optional solar panel supply is available from Sunwize™ (tel.: +(1) 831-479-0974). QUALCOMM has approved Sunwize's solar panel equipment for use with the QUALCOMM Globalstar Fixed Satellite Phone.

### Junction Box

- Provides the user equipment with protection against nearby lightning strikes when properly grounded.

### Power Supply

- QUALCOMM supplied
- Cost effective
- +12 VDC output, universal AC input.
- Back-up battery featuring approximately 3.5 hours talk time and 24-48 hours standby time

### Safety

The design of QUALCOMM's Globalstar Fixed Satellite Phone complies with the updated (1992) ANSI standard for safe levels of human exposure to RF energy.

### Making A Call

Making a call with your QUALCOMM Globalstar Fixed Satellite Phone is accomplished as easily as using a wireline connection. Like most telephone sets:

- Pick up the telephone handset and listen for dial tone. When you hear dial tone, dial the telephone number.

- After a short pause, the number will be sent over the Globalstar satellite system.
- To end a call, place the telephone handset in its cradle.

### QUALCOMM Globalstar Customers Worldwide

The choice is simple. With QUALCOMM's Globalstar Fixed Satellite Phone, subscribers can place or receive calls from both office and residential settings in rural or remote areas virtually worldwide.

Component	Operational	Non-Operational
<b>RAU</b>		
Temperature	-30 to +60 °C (humidity 5% - 95%)	-40 to +85 °C
Dimensions (housing)	9.7 inches (25 cm) H x 8.5 inches (21.6 cm) W x 3.3 inches (8.4 cm) D	
Dimensions (antenna)	19.8 inches (49.5 cm) H x 1.0 inches (2.5 cm) D	
Weight	6.7 lbs. (3.04 kg)	
Material (housing)	Powder-coated aluminum	
Material (antenna)	White, untextured Lexan 153	
Power Consumption	25 watt maximum at 12 VDC nominal input voltage; 12 watt typical operation	
RF Power Output	2 watt maximum (+33 dBm)	
<b>Junction Box</b>		
Temperature	-30 to +60 °C	-40 to +85 °C
Dimensions	6 inches (15.2cm) H x 3.2 inches (8.2 cm) W x 2.1 inches (5.3 cm) D	
Weight	1 lb. (0.45 kg)	

#### Agency/Regulatory.

CE: Standard Model is ETSI type approved. FCC: Standard and Enhanced Models, part 15B/25. UL/c-UL: Standard Model and QUALCOMM Power Supply. ETL/c-ETL (pending): Telephone Set. GMPCS-MOU: Standard and Enhanced Models are ITU registered. CB Scheme (pending): Standard Model and QUALCOMM power supply.