

## How it works

The Qualcomm GSP1600 handset gives you the freedom to have a mobile phone where normal mobile phones don't work. Unlike land based networks, the handset is simply operated by ensuring you have a clear view of the sky and the satellites above<sup>1</sup>. Deploy the retractable antenna, dial the number, and press Call. Receive SMS notifications, access your voicemail, store numbers in the phonebook, customise your phone settings, just as if you were using a standard mobile phone. A range of optional accessories help maximise your phones features, data kits give access to the internet from a computer, permanent and portable vehicle kits allow you to use the phone while on the move or inside, and other options such as cases and batteries help protect and provide longer operation.

## Network

The Pivotel Globalstar Network comprises of the Globalstar constellation of 40 satellites operating at 1400km altitude, the ground gateway infrastructure, and the telephony switching systems. The satellites are organised into 8 orbital planes with 5 satellites per plane. The orbital planes are inclined to the equator at 56 degrees which provides coverage between the latitudes of 70 degrees North to 70 degrees South whenever there is co-visibility with a ground gateway. Coverage in Australia is provided through 3 Australian ground gateways operated by Pivotel. Outside of Australia there is a network of Globalstar partners who operate gateways that provide international roaming coverage for Pivotel Globalstar customers. Calls are routed up to the satellite and back down to one of the ground gateways. At the ground gateway the call is routed into Pivotel's Australian telephone switching infrastructure, and onwards to the person you called.

## Terms and Conditions

[1] Reception limitations and some exclusion zones apply. A clear view of the sky is required for operation in satellite mode.

Globalstar network provides users with mobile coverage right across Australia and its surrounding waters, out to New Zealand, New Caledonia, and up to 500 nautical miles into the Southern & Indian Oceans.

[2] Actual data rates may vary. Unit operates at native 9.6kbps uncompressed. User must connect to Pivotel dtat service for effective internet access rates of up to 38.4kbps.

[3] Sold Separately.

# pivotel.

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To find out more about the Qualcomm GSP1600 or accessories, ask your Pivotel dealer:

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**Pivotel Globalstar  
Qualcomm GSP1600**  
Satellite voice and data enabled phone



# Qualcomm GSP 1600

## FEATURES

- Dedicated keys for menu functions and phone book
- Current position (location co-ordinates) when in satellite mode
- Satellite internet access rate at up to 38.4kbps<sup>2</sup> with optional GDC-110 USB data kit<sup>3</sup>
- Call waiting and call hold/mute
- Auto answer, any answer and on touch dialing

## INCLUDED ACCESSORIES

- High capacity lithium ion battery
- 240V AC Charger
- GSP1600 product CD



## Hands free Vehicle kit

The Pivotal Globalstar hands free car kit<sup>3</sup> enables hands free communications while you are inside a vehicle. The hands free cradle is connected to a separately mounted speaker and microphone and to externally mounted antennas.

### Includes:

- Hands free microphone
- Hands free speaker
- GSP1600 docking cradle
- Globalstar Electronic Module (GEM)
- Connection cables
- Satellite Antenna



## Other Accessories (Sold Separately)

### Vessel Kit

The vessel kit enables hands free communication while you are inside a vessel at sea. It contains an externally mounted antenna enclosure an internally mounted electronics hands free cradle and a privacy handset.

By simply detaching the GSP1600<sup>3</sup> from its cradle you can enjoy the convenience of full mobility away from the vessel.



### Universal Travel Charger

Designed for use with the Qualcomm GSP1600 battery pack. The universal travel charger (UTC) charges a battery attached to the phone while also charging a spare detached battery at the same time.



### USB Data Kit

The USB data kit is designed for use with GSP1600 handset and includes a GDC-1100 Data cable, USB- Serial port adapter, Serial- Serial port extender cable and Pivotal's GSP1600 Product CD.

It allows the user to browse the Internet and access e-mail at effective rates of up to 38.4 kbps<sup>2</sup> using Pivotal's accelerator service. The included CD contains an easy step-by-step installation guide for the data kit and further on Pivotal's product portfolio.



## Technical Specifications

Size	H=177 W=57 D=48mm
Weight	370 grams
Battery	Lithium Ion
Satellite Mode	Up to 19 hrs
Talk Time	Up to 3.5 hrs
Operating Range	-20 to + 55°C

## Car Kit Specifications

Power Input	DC 12V
Cradle Dimensions	H=150 W=100 D=55mm
Cradle Length	Cradle to antenna 5.5m
RF Power	2 watts in Satellite mode
Operating Conditions	-30 to +50°C