USGlobalSat INCORPORATED

Serial GPS Receiver | UPC Code: 795945035506

BR-355

GPS Receiver

- SiRF Star III
- 20-Channel All-In-View-Tracking
- NMEA 0183
- WAAS/EGNOS Support
- 2.08" x 0.75"
- Built-in Supercap For Rapid Acquisition
- Built-in GPS Patch Antenna
- Built-in Roof Mount Magnet
- USB or RS232/ PS/2 Interface Cable Sets Available

The BR-355 GPS Receiver can be utilized in a variety of applications which require GPS signals to be received and decoded in your Windows laptop or tablet, and for Mac users, iBooks or Powerbooks. Compatible with most NMEA compliant third-party software, the BR-355 is suitable for use in vehicle, marine and aviation navigation, as well as commercial and municipality applications such as fire trucks, police cars, buses, GIS data collection and much more!

The BR-355's slim profile housing is completely waterproof and incorporates an active patch antenna for the highest level of GPS accuracy. With a 60" cable, placement of the GPS receiver with in the vehicle is not critical, however in those rare occurrences when towering high-rises offer challenging satellite reception, simply place the BR-355 on the vehicle's roof (attaches via its built-in magnet) for improved performance. Since power and data are transferred through the BR-355's USB cable, there's no need for batteries or any other external power source

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Serial GPS Receiver

General Specifications

GPS Chipset.....SiRF Star III e/LP
Frequency.....L1, 1575.42 MHZ
C/A Code.....1.023 MHz chip rate
Channels.....20 all-in-view tracking
Sensitivity.....-159 dBm
Accuracy.....5m 2D RMS WAAS enabled
10m 2D RMS WAAS disabled

Aquisition Rate

Hot start.....1 sec., average
Warm start.....38 sec., average
Cold start.....42 sec., average
Reacquisition.....0.1 sec. average

Protocol

GPS Protocol.....Default: NMEA 0183 (Secondary: SiRF binary)
GPS Output Data.....SiRF binary >> position, velocity, altitude, status and control NMEA 0183 V2.2 protocol, and supports command: GGA, GSA, GSV, RMC, VTG, GLL v2.2 (VTG and GLL are optional)
GPS transfer rate.....Software command setting (Default : 4800,n,8,1 for NMEA)

Dynamic Condition

Acceleration Limit.....Less than 4g
Altitude Limit.....60,000 Feet (18,000 meters) max.
Velocity Limit.....1,000/sec. (515 meters) max.
Jerk Limit.....20 m/sec**3

Environmental Specifications

Operating.....-40°~ 185°F (-40°~ 85°C)
Storage.....-40°~ 185°F (-40°~ 85°C)
Humidity.....Up to 95% non-condensing

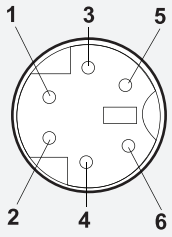
Physical Charateristics

Dimension.....2.08" x 0.75" (53mm x 19.2mm)
Serial Cable Length.....58" (147 cm)
Weight.....2.2 Ounces (62.37 g)

Carton Specifications

Quantity Per Box.....50
Carton Weght.....26lbs
Carton Dimensions.....29” x 16” x 12” (736.6mm x 406.4mm x 304.8mm)

PACKAGE CONTENTS:



PS/2 Mini DIN 6-Pin Male Connector

Color	Function	Pin
Black	GND	1
Red	VCC	2
Yellow	N/C	3
White	RX	4
Green	TX	5
-----	N/C	6

Optional Cable Set Adapters

#BR305-USB2

#BR305-RS232

ADAPTERS
20 CHANNEL
WIN
SERIAL
SiRF III
MAC

Taiwan
GLOBALSAT INCORPORATED
16F, No. 186, Jian Yi Road, Chung Ho City
Taipei Hsien, Taiwan
T: +866-2-82263799 F: +866-2-82263899
globalsat.com.tw service@globasat.com.tw

North America
USGLOBALSAT, INC.
14740 Yorba Court
Chino, CA 91710
T: +909-597-8525 F: +909-597-8532
usglobalsat.com sales@usglobalsat.com

Canada 210 Bluetooth

BR-355
Made in Taiwan
GLOBALSAT TECHNOLOGY CORPORATION

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