



BU-353

Capture GPS data into your laptop or MAC powerbook!

The BU-353 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 BU-353 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 BU-353'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 BU-353 on the vehicle's roof (attaches via a built-in magnet) for improved performance.

Since power and data are transferred through the BU-353's USB cable, there's no need for batteries or any other external power source.

Key Features

- SiRF Star III
- 20-Channel All-In-View Tracking
- NMEA 0183
- WAAS / EGNOS Support
- 2.08" Diameter X 0.75"
- Built-In Supercap For Rapid Acquisition
- Built-In GPS Patch Antenna
- Built-In Roof Mount Magnet
- USB Interface





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.....8 sec., average
 Warm start.....38 sec., average
 Cold start.....45 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.....Max 60,000 Feet (18,000 meters)
 Velocity Limit.....Max 515 Meters / sec (1000 Knots / 151 MPH)
 Jerk Limit......20 m/sec**3

Environmental Specifications

Operating.....-40°~ 176°F (-40°~ 80°C)
 Storage.....-40°~ 176°F (-40°~ 80°C)
 Humidity.....Up to 95% non-condensing

Electrical Characteristics

Voltage.....4.5V - 6.5V
 Current.....50mA typical

Physical Charateristics

Dimension.....2.08" diameter x 0.75" (53mm dia. x 19.2mm)
 USB Cable Length......59" (1,500 mm)
 Weight.....2.2Ounces (62.37g)

Carton Specifications

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

	USB
WIN	SIRF III
MAC	20 CHANNEL



PACKAGE CONTENTS:



Cable Clip

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.
 1308 John Reed Court
 City of Industry, CA 91745
 T: +626-968-4145 F: +626-968-4373
 usglobasat.com sales@usglobasat.com

CE FC Canada 210
 BU-353 Made in Taiwan
GLOBALSAT TECHNOLOGY CORPORATION
 ©2009 Globasat Technology Corporation. All rights reserved.
 All trademarks, tradenames & brands are registered to their respective owners.