



AmbiCom SiRF StarIII GPS Navigation Receiver

Model: **BT-GPS**

Rev2.0

Overview

The AmbiCom high performance BT-GPS receiver has proven *SiRF StarIII* architecture incorporated within and includes Bluetooth Version 2.0 technology. The BT-GPS is based on the latest SiRF Star III single chipset and its offer the highest level of sensitivity at (-159dBm) for fastest signal acquiring and updating rate. It has the best accuracy with 20 channels satellite tracking ability.



AmbiCom BT-GPS receiver ultra slim design, low power consumption and the auto power-off function make it the perfect cable-free accessory to your Bluetooth enabled laptops, PDAs, and Smartphones. You can also use other forms of navigation software that is compatible with NMEA-0183 GPS standard in conjunction with AmbiCom BT-GPS Receiver. Aviation, nautical, outdoor camping and hiking software are just some examples of the varieties of software you can use with this gps receiver. Now you can turn your device into a true GPS navigation system and you are free to explore the world without worry about getting lost!

Features and Benefits

- Super Sensitive SiRF StarIII Chipset
- 20 parallel satellites channels
- SBAS support (WAAS, EGNOS-Euro Geostationary Navigation Overlay Service)
- Plug-n-Play USB GPS
- Full navigation accuracy provided by Standard Positioning Service (SPS)
- Small footprint integrated high sensitivity antenna with magnetic base
- Backup power to sustain internal clock
- Support standard NMEA 0183 protocol
- Internal RTC (Real Time Clock)
- Low power consumption
- Bluetooth Version 2.0 compliant

Applications

- Vehicle navigation
- Marine navigation
- Aviation navigation
- Fleet management
- Geographic surveying
- Tracking system
- Personal navigation
- Sports and recreation
- Mapping device application

Compatible Map Software

- Microsoft Streets & Trips 2006 and 2007
- DeLorme Street Atlas 2006 USA
- And others NMEA-0183 compliant GPS software

Specifications

GPS Chipset:	SiRF Star III, Super High Sensitivity Chipset.
Receiver:	20 Parallel Channels
Frequency:	L1, 1.57542 GHz, C/A Code
Acquisition Time (Open Space/Stationary)	
Re-acquisition:	0.1s, Typical TTFF(95%)
Hot:	<1s, Typical TTFF(95%)
Warm:	<38s, Typical TTFF(95%)
Cold:	<42s, Typical TTFF(95%)
Update Rate:	Once Per 0.1s, Continuous
Sensitivity	
Acquisition:	-149dBm (Average) In Normal Mode -159dBm (Average) In High Sensitivity Mode
Tracking:	-159dBm (Average)
GPS accuracy (Approximately):	16 ~ 33ft (5 ~ 10m)
Dynamics	
Maximum Altitude:	<59055ft (18000m)
Maximum Velocity:	<1690ft/sec (515m/sec)
Acceleration:	<4g
Environment Conditions	
Operating Temperature:	14°F ~ 158°F (-10°C ~ +70°C)
Storage Temperature:	-4°F ~ 167°F (-20°C ~ +75°C)
Operating Humidity:	5% ~ 95% RH, Non Condensing
Baud Rate:	4800 (Default) To 115200 bps Software Adjustable
Power Consumption:	<80mA
Power Supply:	+4.7 ~ +5.5VDC. Rechargeable, >700mAH
Bluetooth Support:	Bluetooth Serial Profile
Dimensions (L x W x H):	3.47 x 1.72 x 0.51in (88.1 x 43.8 x 13mm)
Weight:	
GPS Protocol:	NMEA 0183
Certification:	FCC, CE
AmbiCom SKU:	BT-GPS H1
UPC:	646543 299282
Warranty	1 Year Limited
Options:	High Speed Bluetooth USB Dongle For Microsoft Windows Laptop. (Sold Separately)

