



Wireless Bluetooth GPS Receiver

Model: **BT-GPS H1**

DESCRIPTIONS

The AmbiCom high performance Wireless Bluetooth GPS Receiver BT-GPS H1 is a high sensitivity to satellite signals with low power consumption with Bluetooth Technology and built-in rechargeable battery. BT-GPS H1 can track up to 12 satellites at a time and update data position every second. It allows you to take advantage of Bluetooth wireless technology to connect without cable to your PDAs, Notebooks, or other devices that comply with Bluetooth interface. You can also use other forms of navigation software in conjunction with AmbiCom's Wireless Bluetooth Receiver. Aviation, nautical, outdoor camping and hiking software are just some examples of the varieties of software you can use with AmbiCom's Wireless Bluetooth Receiver. Simply ensure the software is compatible with NMEA-0183 protocols and you are free to explore the world with your new GPS navigation system! Now you can turn your PDAs/laptops into a true GPS navigation system and never worry about getting lost!



FEATURES

- 12 parallel channels for fast acquisition and reacquisition
- Full navigation accuracy provided by Standard Positioning Service (SPS)
- Support standard NMEA 0183 protocol
- Support backup power to sustain internal clock
- Internal RTC (Real Time Clock)

PRODUCT APPLICATIONS

- Car navigation
- Marine navigation
- Fleet management
- Aviation
- Personal navigation
- Tracking system
- Mapping device application

COMPATIBLE MAP SOFTWARE

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

SPECIFICATION

Standards	Bluetooth Specification V1.2 Compliant
Receiver	12 Parallel Channels
Frequency	L1, 1.57542 GHz, C/A Code
Acquisition Time	
Cold	Approximately 50~60 Seconds, Typical TTFF(95%)
Warm	Approximately 35~40 Seconds, Typical TTFF(95%)
Hot	Approximately 02~06 Seconds, Typical TTFF(95%)
Update Rate	Once Per Second, Continuous
GPS Accuracy	Position 2D RMS: Approximately 5m
Sensitivity	
Acquisition	-139 dBm (Average) Or Less In Normal Mode
Tracking	-152 dBm (Average) Or Less
Dynamics	
Altitude (Maximum)	59055.12ft (18000m)
Velocity (Maximum)	1640.42ft/sec (500m/sec)
Acceleration	± 4g
Power	
Power Consumption	Under 200mA
Power Supply	+4.5VDC To +5.5VDC
Dimensions (LxWxH)	2.95 x 2.11 x 0.80in (75 x 53.6 x 20.4mm)
Baud Rate	4800
I/O Protocols	NMEA 0183
Antenna	Build-In Patch Antenna
External Antenna Connector	MMCX Type
Bluetooth Specification	<p>Bluetooth Version 1.1 Compliant</p> <p>Bluetooth Class 2 Operation (Up To 10 Meter Range)</p> <p>Modulation: FHSS / GFSK</p> <p>RF Channels: 79</p> <p>Input Sensitivity: -80 dBm</p> <p>Output Level: 4 dBm</p>
Environment Conditions	
Operating Temperature	-4°F ~ +140°F (-20°C ~ +60°C)
Storage Temperature	-4°F ~ +158°F (-20°C ~ +70°C)
Operating Humidity	5% ~ 95% RH, Non Condensing

Certification	FCC, CE
Warranty	1 Year Limited
SKU	BT-GPS H1
Package Contents	Wireless Bluetooth GPS Receiver BT-GPS, Quick Installation Guide, Rechargeable Battery, Car & Home Charger



AmbiCom, Inc, 405 River Oaks Parkway, San Jose, CA 95134 USA. Phone: 1.408.321.0822 Fax: 1.408.321.0826 Website: www.ambicom.com. Email: sales@ambicom.com.

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