

AmbiCom GPS Navigation Receiver

Model: **GPS-USB Rev2.0**

Overview

AmbiCom's GPS Navigation USB Receiver is the Global Positioning System Receiver for your Microsoft Windows laptop.

You can also use other forms of navigation software in conjunction with AmbiCom's Navigation USB Receiver. Aviation, nautical, outdoor camping and hiking software are just some examples of the varieties of software you can use with AmbiCom's Navigation USB 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 laptop into a true GPS navigation system and never worry about getting lost!



Features and Benefits

- 20 parallel satellites channels
- SBAS(WAAS, EGNOS-Euro Geostationary Navigation Overlay Service) option
- Plug-n-Play USB GPS
- Full navigation accuracy provided by Standard Positioning Service (SPS)
- Small footprint integrated high sensitivity antenna with magnetic base
- Support backup power to sustain internal clock
- Support standard NMEA 0183 protocol
- Internal RTC (Real Time Clock)
- Low power consumption
- Water-resistant (IPX1)

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
- DeLorme Street Atlas 2006 USA
- And most NMEA 0183 compliant GPS software

Specifications

Chipset:	SiRF Star III, Super High Sensitivity Chipset.
Receiver:	20 Parallel Channels
Dimensions (D x W x H):	2.16 x 1.45 x 0.65in (55 x 37 x 16.5mm)
USB Cable Length:	6.5ft (2m)
Acquisition Time (Approximately Second):	
Hot:	1s, Typical TTFF(95%)
Warm:	38s, Typical TTFF(95%)
Cold:	42s, Typical TTFF(95%)
GPS accuracy (Approximately):	16 ~ 33ft (5 ~ 10m)
I/O Protocol:	NMEA 0183
Frequency:	L1, 1.57542 GHz, C/A Code
Update Rate (Second):	Once Per 0.1s, Continuous
Sensitivity:	
Acquisition:	-149dBm (Average) In Normal Mode -159dBm (Average) In High Sensitivity Mode
Tracking:	-159dBm (Average)
Dynamics:	
Maximum Altitude:	59055ft (18000m)
Maximum Velocity:	1690ft/sec (515m/sec)
Acceleration:	±4g
Baud Rate:	4800 (Default) To 115200 bps Software Adjustable
Environment Conditions:	
Operating Temperature:	-4°F ~ +140°F (-20°C ~ +60°C)
Storage Temperature:	-4°F ~ +158°F (-20°C to +70°C)
Operating Humidity:	5% ~ 95% RH, Non Condensing
Power/Connector:	+4.5 ~ +5.5 VDC USB Powered
Operating System:	Windows XP, 2000, ME, 98SE
AmbiCom SKU:	GPS-USB
UPC:	646543 399074
Options:	None
Package Contents:	GPS-USB Rev2.0, Quick Installation Guide, Driver CD

