

## G1050

## USB GPS Receiver

For use with Windows XP/Vista/7/8 computers

SiRFstarIII serial GPS receiver for use with computers running Windows XP/Vista/7/8. Windows Mobile USB driver is not available. Standard USB-A male connector.

## Technical Specifications

## &gt; Receiver

GPS Chipset:	SiRFstar III
Chipset Processor:	ARM7/TDMI – 49MHZ
Frequency:	L1, CA code
Signal Acquisition:	1920 time/frequency search channels
Channels:	20 Channels; all-in-view tracking
Max. Update Rate:	1Hz
Sensitivity:	-159dBm
DGPS Source:	Default: WAAS/EGNOS
System Back Up:	Built-in Lithium-Ion rechargeable battery
Antenna Type:	Built-in Antenna

## &gt; Acquisition Rate

Reacquisition:	100msec
Hot Start:	<1 second
Warm Start:	<38 seconds
Cold Start:	<42 sec

## &gt; Protocol

Default:	NMEA-0183
Programmable:	NMEA- VTG, GLL / SiRF Binary

## &gt; Power

Draw:	80mA at 3.3V; DC power adaptor
Internal Battery:	3v (for GPS module only)

## &gt; Dynamic Conditions

Altitude:	<18,000 meter
Velocity:	< 515 meter/second
Acceleration:	<4g

## &gt; User Environment

Water Seal:	IPX7
Operating Temperature:	-20°C to +60°C
Storage Temperature:	-40°C to 70°C
Humidity:	5% to 95%, non-condensing

For more information on the G1050 USB GPS for Windows XP/Vista/7/8, contact **OrbitGPS** at sales@OrbitGPS.com or +1.203.654.7720



## &gt; Physical Characteristics

Depth:	62.0mm
Width:	46.1mm
Height:	18.0mm
Weight:	95g

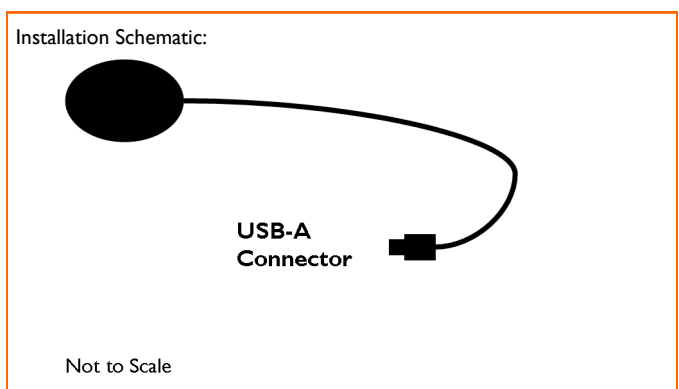
## &gt; Accuracy

OrbitGPS receivers offer typical accuracies of 3-5 meters uncorrected, and 3 meters or better with correction.\*

## &gt; Operating Systems Supported

Windows XP/Vista/7/8—**Not for use with Windows Mobile/Embedded Handheld devices.**  
**Windows Mobile drivers not available**

## &gt; Part Number: G1050



\* Accuracy subject to degradation based on environmental and positional conditions. Rated accuracy provides 95% Circle Error Probability (CEP) position accuracies of <5 meters with WAAS correction and <10 meters uncorrected.

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