

**G1010****Serial GPS Receiver**

with 12v/24v Cigar Lighter Adaptor

SiRFstarIII serial GPS receiver for use with vehicle DC cigar lighter adaptor. Connects to computer with DB9 female serial connector.

**Technical Specifications****> 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

**> Acquisition Rate**

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

**> Protocol**

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

**> Power**

Source:	12v/24v DC CLA
Draw:	80mA at 3.3V; DC power adaptor
Internal Battery:	3v (for GPS module only)

**> Dynamic Conditions**

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

**> 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 G1010 Serial GPS with 12v/24v cigar lighter adaptor, contact **OrbitGPS** at sales@OrbitGPS.com or +1.203.654.7720

**> Physical Characteristics**

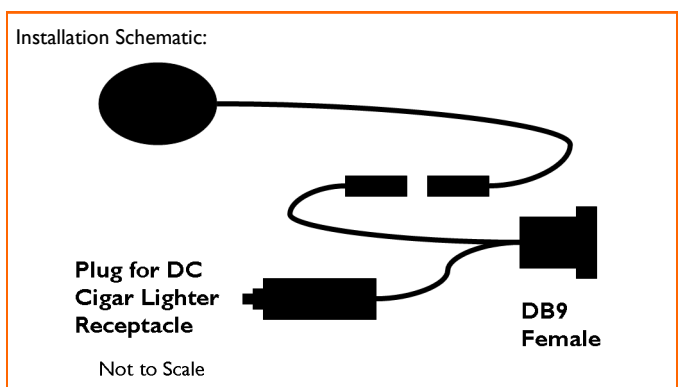
Depth:	62.0mm
Width:	46.1mm
Height:	18.0mm
Weight:	95g

**> Accuracy**

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

**> Operating Systems Supported**

Windows Embedded Handheld, Windows Mobile5.0 or newer, Windows Mobile /PPC 2003, Windows XP/Vista/7/8

**> Part Number: G1010**

\* 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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