

## SXBlue II GPS Unit: Sub-meter Accuracy Is Easy!

The SXBlue II GPS uses innovative technology that delivers sub-meter accuracy in real-time, all the time. There is no need for post-processing or a beacon receiver when WAAS is available. It is very unique in that it can continue to apply a real time correction for 45 minutes or longer, even if the WAAS satellites are temporarily blocked by trees or tall buildings.

### Accuracy and Productivity in One

The SXBlue II GPS takes real-time accuracy a step further. Its accurate code phase measurements and leading edge multipath mitigation delivers sub-60 cm (2dRMS, 95% confidence) positioning. With its superior tracking performance and innovative real-time positioning, that means no downtime even in harshest conditions. The SXBlue II maximizes your productivity by working directly within your GIS software both in the field and the office.

### A Long Term Solution

Add a field computer that suits your application, an off-the-shelf software of your choice, and the SXBlue II GPS becomes the heart of a modular solution you can grow with. In today's rapidly evolving technologies, its unique multi-port interface (fully independent Bluetooth, USB, RS-232 ports) helps to protect your long term investment by always allowing the use of up-to-date computer hardware, operating system and software.

### Key Features

- Sub-60cm accuracy, 95% of the time with open sky
- Multi-port interface (Bluetooth, USB, RS-232)
- Rugged and Waterproof design
- Integrated Li-Ion battery for 10+ hours of use
- Battery gauge that really works
- Compact and lightweight

**#SXBlueII**

**Price: \$2,095.00**



Resource Supply, LLC has extensive experience with the SXBlue II GPS unit. Contact Jon Aschenbach at 503-707-6236 or email: [jon@resourcesupplyllc.com](mailto:jon@resourcesupplyllc.com).

To order:

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**Resource**

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*"Superb Support"*

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LLC

## SXBlue II GPS Specifications:

### GPS Sensor

- Receiver Type: L1, C/A code
- Channels: 12-channel, parallel tracking
- SBAS: 2-channel, parallel tracking WAAS
- Update Rate: 1Hz default, optional 2, 10 and 20Hz
- DGPS Horz. Accuracy: < 60cm 2dRMS, 95% confidence in open sky
- Cold Start: 60seconds (no almanac or RTC)
- Reacquisition: < 1s
- Maximum Speed: 1607 km/h (999mph)
- Maximum Altitude: 18,288m (60,000 ft)

### Communication

- Ports: Bluetooth, RS-232C, USB 2.0
- Bluetooth Transmission: Class 1, 250m typical range
- Bluetooth 2.0
- Baud Rates: 4800 to 57600
- Data Protocol: NMEA 183
- Data Output Datum: WGS 84 (G1150)
- LEDs: Power, GPS lock, DGPS, WAAS, Bluetooth
- Battery Gauge built into battery

### Power

- Battery type: Field replaceable Lithium-Ion pack
- Battery Capacity: 3,900mAh. 7.2V
- Average battery life 10+ hours
- Charging Time: 5 hours (with supplied charger)
- Antenna Voltage Output: 5 VDC

### Environmental

- Operating Temperature: -40°F to +185 °F
- Humidity: 95% non-condensing

### Mechanical

- Enclosure Rating: Waterproof, IP-67
- Immersion: 30cm, 30 minutes
- Enclosure Dimensions: 5.57 x 3.15 x 1.85 in.
- Weight: 1.02 lbs
- Data Connectors: DB-9 Female
- USB Type B Female
- Antenna Connector: SMA Female

### Antenna

- GPS Frequency Range: L1 (1575 MHz +/- 10 MHz)
- Gain (without cable): 26.5 dB (+/- 2 dB), 35mA
- Voltage: +5 VDC +/- 10%
- Impedance: 50 Ohms
- Dimensions: 2.16 in. x .87 in.
- Weight (without cable): .17 lbs
- Antenna Connector: SMA Female
- Water Immersion to 1 meter

### Standard Accessories

- SXBlue II GPS Receiver
- Li-Ion Battery Pack (Field replaceable)
- Li-Ion Charger
- Belt/Shoulder Carrying Case
- Precision Antenna with 1.5m cable
- Soft Hat for antenna
- RS-232 Cable (6 ft)
- USB Type A/B Cable (6 ft)
- CD-ROM (manuals and utilities)



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(Please refer to Geneq's brochure on the SXBlue II GPS unit for complete specifications, performance explanations, and other details)

