The Best and World’s First High-Accuracy GNSS Receiver designed specifically for any mobile devices and tablets including iPads/iPhones

The iSXBlue II+ GNSS is a palm-sized receiver that delivers real-time, high accuracy performance using GPS, GLONASS, BeiDou, GALILEO and QZSS and free SBAS corrections. It’s high powered battery and lightweight design makes it the ideal choice of a variety of mapping apps including GIS, Forestry, Mining, Utilities, Agriculture, Surveying and Environmental, at a price you can afford.

Key Features
- 100% iPad / iPhone, Windows, Windows Mobile and Android compatible
- SBAS support for GPS and GLONASS
- Accuracy of 60 cm, 95% of the time
- Multi-constellation performance
- USB and RS-232 ports
- > 14 hours battery life with Bluetooth and GNSS tracking

A Long Term Solution
Because the iSXBlue II+ GNSS doesn’t have a built-in computer, it can’t become obsolete. On one project, connect it to your iPhone. On the next project, connect it to your Android, Windows or any Windows Mobile devices.

Work in More Places Than Ever Before
We’ve heard it over and over. Once you start using GLONASS, you’ll be addicted. By using GLONASS satellites, your productivity immediately improves. With all the available constellations, you’ll have all the possible satellites in view, meaning you won’t have to wait for the high accuracy data you want.

The iSXBlue II+ GNSS maximizes your productivity by working directly with all GIS Software including Esri’s Collector, Survey 123, TerraGo, AmigoCloud, iGeoTrack, ICMT Gis, Fulcrum, Mapit, etc.

Coast technology maintains sub-meter DGNSS positioning for 40 minutes after correction loss.
SPECIFICATIONS

iSXblue II+ GNSS RECEIVER

GNSS Tracking: GPS, GLONASS, BeiDou, GALILEO and QZSS

Channels: 162

SBAS Support: 3 channels parallel tracking WAAS/EGNOS/MSAS/GAGAN

Update Rate: 1 Hz (optional 10 or 20 Hz)

DGNSS Accuracy: < 60 cm 2dRMS, 95% confidence 1

(< 30 cm HRMS, < 25 cm CEP)

Autonomous Accuracy: < 1.2 m 2dRMS, 95% confidence

RTK (Optional): 10 mm + 1 ppm (Horizontal) 1

20 mm + 2 ppm (Vertical) 1

Cold Start: 60 sec typical (no almanac or RTC)

Signal Reacquisition: < 1 sec

Maximum Speed: 1,850 kph / 1,150 mph / 999 knots

Maximum Altitude: 18,288 m (60,000 ft)

Post-processing/PPP Horizontal Accuracy1: 5 mm + 0.5 ppm (Static) or better

10 mm + 1 ppm (Kinematic) or better

Post-processing/PPP Vertical Accuracy1: 5 mm + 1.0 ppm (Static) or better

20 mm + 1 ppm (Kinematic) or better

COMMUNICATION

Port: Bluetooth, RS-232C, USB 2.0

Bluetooth Transmission: Class 1 (Long Range)

Bluetooth pre-qualified: Bluetooth 2.1 + EDR

Apple-approved, authenticated

Baud Rates: 4,800 to 115,200

Data I/O Protocol: NMEA 0183, RTCM 104, Binary

Timing Output: Included

Event Marker Input: Included

Raw Measurement Data: Binary (free RINEX utility)

Correction I/O Protocol: RTCM , ROX Format, RTCM V 2.3

RTCM V 3.2, CMR, CMR+

LED mode indicators: Power, GNSS lock, DGNSS position

DIFF lock, Bluetooth connection

Battery Status LED: 5 LED’s bar graph

POWER

Battery type: Field replaceable Lithium-Ion pack (Rechargeable with unit or separately)

Battery capacity: 6,000 mAh 7.2 V

Battery life: > 14 hours1 Bluetooth/GNSS Tracking

Charging time: 6 hours (with supplied charger)

ENVIRONMENTAL

Operating Temperature: -40 °C to +85 °C (-40 °F to +185 °F)

Storage Temperature: -40 °C to +85 °C (-40 °F to +185 °F)

Humidity: 95% non-condensing

Compliance: FCC, CE, RoHS and Lead-free

MECHANICAL

Enclosure material: Re-enforced Nylon

Battery case material: ABS

Enclosure rating: Waterproof, Dustproof, IP65

Dimensions: 14.1 cm x 8.0 cm x 4.7 cm

5.57 in x 3.15 in x 1.85 in

Weight: 481 g (1.06 lbs)

Data Connectors: DB-9 female, USB Type B female

Antenna connector: SMA female

Drop Resistance: Designed to withstand 1 m drop

ANTENNA

Frequency Range: L1, G1, L-Band (1,525 MHz - 1,607 MHz)

Gain: 26 dB (+/- 2 dB), 35 mA

Dimensions: 6.6 cm x 2.7 cm (2.6 in x 1.05 in)

SETUP OPTIONS

INCLUDED ACCESSORIES

Charger 0.3m cable 1.5m cable 1m cable Battery

Serial cable USB cable GNSS Antenna Antenna cap Soft carrying case

NOTES:

1 Depends on multipath environment, number of satellites in view, satellite geometry, baseline length (for local services) and ionospheric activities. Stated accuracies for baseline lengths of up to 50 km.

2 Lithium-Ion battery performance degrades below -20°C (-4°F).