

iSxblue

II+ GNSS



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

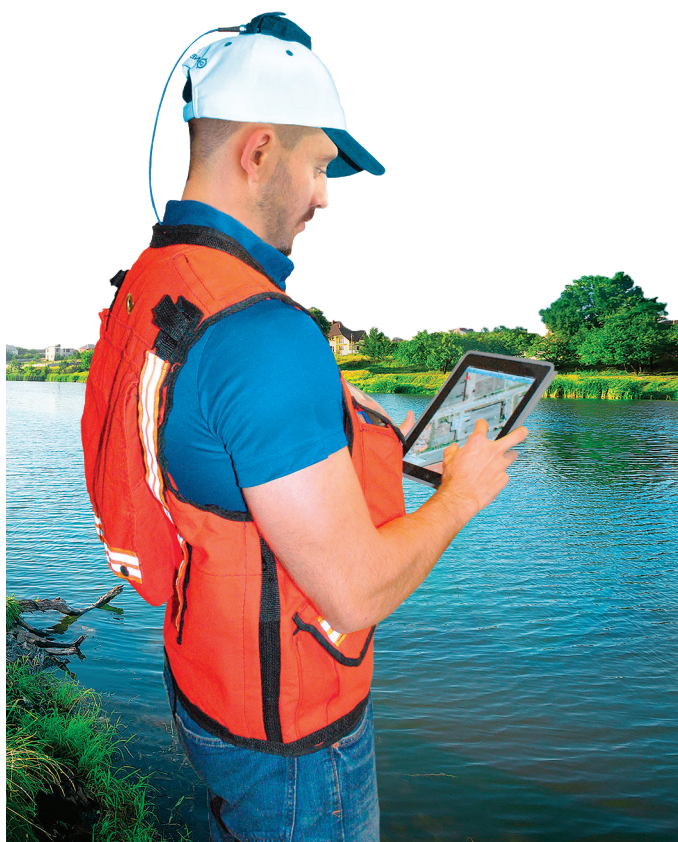
Because the iSxBlue II+ GNSS doesn't have a built-in computer, it can't become obsolete. On one project, connect it to your iPhone. On the next project, connect it to your Android, Windows or any Windows Mobile devices.

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 Accuracy ¹	5 mm + 0.5 ppm (Static) or better 10 mm + 1 ppm (Kinematic) or better
Post-processing/PPP Vertical Accuracy ¹	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

INCLUDED ACCESSORIES



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).

POWER

Battery type	Field replaceable Lithium-Ion pack (Rechargeable with unit or separately)
Battery capacity	6,000 mAh 7.2 V
Battery life	> 14 hours ² 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

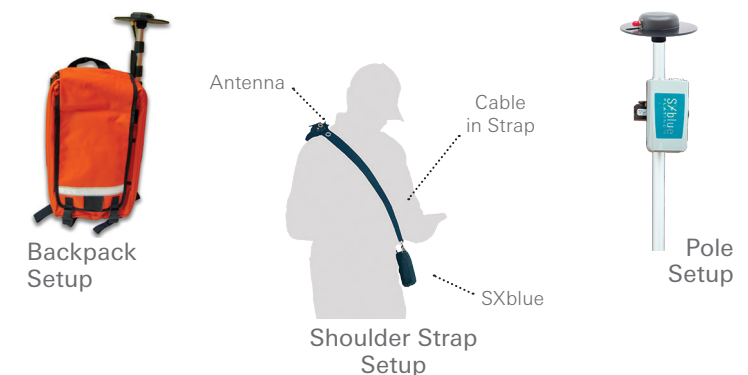
MECHANICAL

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



Authorized Distributor