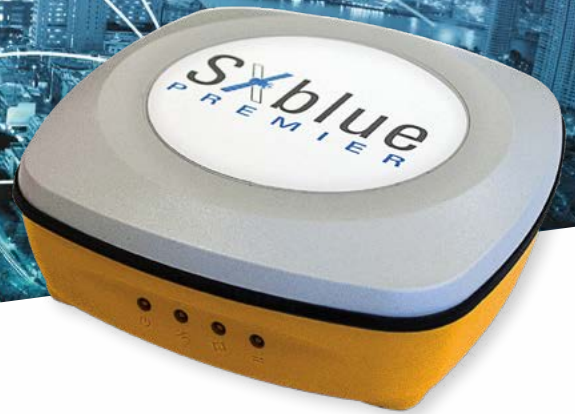


SXblue

P R E M I E R



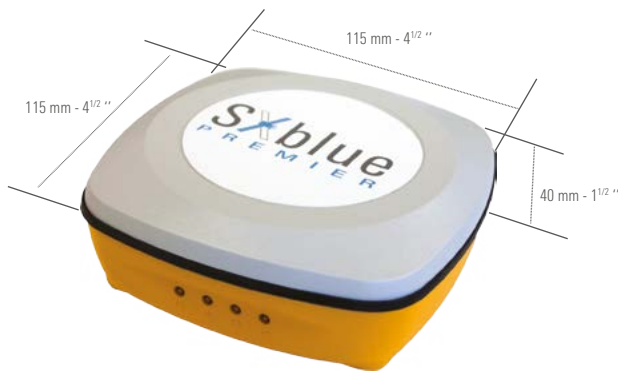
Premier is the most cost-effective GNSS receiver on the market!



SXblue keeps developing and optimizing the innovative products for customers with the most cost-effective receiver. Premier is available in Submetric version (GNSS) or Centimetric version (RTK).

Features:

- GPS, GLONASS, Galileo, BeiDou, QZSS and SBAS
- 220 Channels
- Single or triple-frequency.
- Bluetooth and Wi-Fi
- 8GB (SSD) Internal Memory
- IP 67, Waterproof and Dustproof



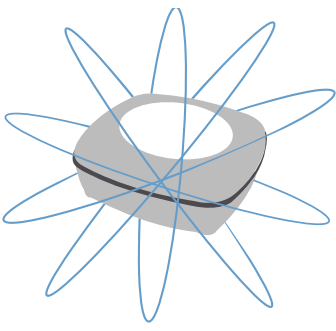
Compact, light, rugged and easy to handle, Premier is the most cost-effective GNSS receiver on the market. Premier is equipped with a dual mode for Bluetooth V2.1 and Bluetooth V4.0 ensuring the unit's wireless communication with your PDA terminal. With its two models, the user will have large efficiency and flexibility on the field either with SBAS corrections or RTK corrections with a NTRIP connections.

In addition, Premier can be used with a large variety of PDA mobile terminals and operating systems, such as Android, WIN7/WIN8/WIN10, as well as Windows mobile.



APPLICATIONS

- Land Survey
- Net Rover (RTK)
- Mapping
- Control Point for UAV (drones)
- High Accuracy Mapping Grade GPS
- Automatic Raw Data Recording for Processing or PPP



FULL SATELLITE CONSTELLATION SUPPORT

Delivers 220 channels to acquire and track GNSS signals from all constellations in view. It makes effective use of GPS, GLONASS, Galileo, Beidou and QZSS signals for outstanding highly precise positioning.

WI-FI MODULE

According to current trends in RTK surveying, WiFi is the newest and most useful technology for RTK measurements that makes effective use of a GNSS receiver, thereby greatly improving working efficiency and flexibility.

SXblue Premier's WiFi is not only able to act as a WiFi hotspot, permitting users to connect to it and access its web UI management platform, but it can also work as a data link, providing a quick connection to the internet to receive corrections from the CORS network.

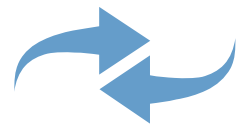


SXblue Premier is equipped with an 8GB Solid State Disk that provides enough storage space for data collection, and ensures stability for a high data sampling rate.

Premier is able to connect directly to its external storage unit to retrieve or download data.

The automatic circular storage performance can remove previous data automatically once the memory is full, which ensures the instrument has enough space for the following job.

Based on the intelligent platform, SXblue Premier supports STH, Rinex2.x and Rinex3.x data storage formats and a sampling rate of up to 20Hz.



CIRCULAR STORAGE



A5 PLATFORM, UI WEB SERVER

Embedded Linux operating system, the SXblue Premier receiver is a fully intelligent operating system with a web UI management platform. The smart internal web UI management platform allows users to monitor the receiver's working status and configure the equipment using a WIFI or USB connection to a PC.

PACIFIC CREST MAXWELL 6 TRIMBLE TECHNOLOGY

Equipped with BD910/BD930 OEM board, SXblue Premier supports binary, Rinex2.x and Rinex3.x data storage formats and a sampling rate of up to 20Hz.



SOFTWARE

Multiple compatible softwares will meet the users' diverse need, combined with advanced functionality, highly graphical and intuitive messages, ease of use, and share data collection capabilities, making SXblue Premier more powerful and flexible.

Among them FieldGenius, Carlson, Collector for ArcGIS have been successfully tested.

DATA COLLECTORS

(OPTIONAL)



ACCESSORIES



Soft Case



Holder for pole



USB Cable + Charger



Hard Case (Optional)

	PREMIER (GNSS)	PREMIER II (RTK)
Channels	220	220
GPS	L1 C/A	L1 C/A, L2C, L5
GLONASS	L1 C/A	L1, L2, L3
BDS	B1	B1, B2
Galileo	E1	E1, E5A, E5B, E5AltBOC
QZSS	L1 C/A, L1 SAIF	L1 C/A, L1 SAIF, L2C, L5
SBAS	L1 C/A	L1 C/A, L5

ACCURACY (RMS)

	PREMIER (GNSS)	PREMIER II (RTK)
Autonomous Accuracy	Horizontal: 2.5m	Horizontal: 2.5m
DGNSS	Horizontal: 0.25m+1ppm Vertical: 0.50m+1ppm	Horizontal: 0.25m+1ppm Vertical: 0.50m+1ppm
SBAS	Horizontal: 0.50m Vertical: 0.85m	Horizontal: 0.50m Vertical: 0.85m
RTK (Single Baseline RTK <30)km	- -	Horizontal: 0.008m+1ppm Vertical: 0.015m+1ppm

ACQUISITION

Update Rate	1Hz-20Hz
Cold Start	<45s
Warm Start	<30s
Reacquisition	<2s

COMMUNICATION

Data Interface	Mini USB2.0
Bluetooth	Bluetooth V2.1/ Bluetooth V4.0, support EDR
Wi-Fi	802.11 b/g standard

DATA STORAGE AND TRANSMISSION

Memory	8GB SSD (Solid State Disk) internal memory
Static data format	Binary, Rinex2.x, Rinex3.x
Sampling rate	1Hz, 2Hz, 5Hz, 10Hz, 20Hz
Navigation output	NMEA-0183, Trimble GSOF
I/O Protocol	CMR, CMR+, sCMRx, RTCM 2.x, RTCM 3.0, RTCM 3.1, RTCM 3.2

ENVIRONMENT

Operating temperature	-30°C- +65°C
Storage temperature	-35°C- +75°C
Operating humidity	5%- 95% R.H. non-condensing
Shockproof	Withstand drop from 1.5m to concrete
Waterproof/Dustproof	IP67
Compliance	FCC

PHYSICAL

Dimensions(mm)	115(L) X 115(W) X 40(H)
Weight	500 g (with battery)
Include in the box	GNSS receiver, Soft case, USB cable, Holder for pole, charger

Authorized Distributor