SXblue PREMIER

SX Premier RTK

SX Premier GNSS

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
- 220/336 Channels
- Single or triple-frequency.
- Bluetooth and Wi-Fi
- 8GB (SSD) Internal Memory
- IP 67, Waterproof and Dustproof

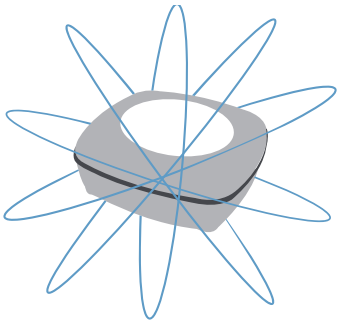
Compact, light, rugged and easy to handle, Premier is the most cost-effective GNSS receiver on the market. Premier is equipped with a dual mode for Bluetooth V2.1 and Bluetooth V4.0 ensuring the unit's wireless communication with your PDA terminal. With its two models, the user will have large efficiency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

INFO@SXBLUEGPS.COM 514 354-2511 1 800 463-4363 WWW.SXBLUEGPS.COM



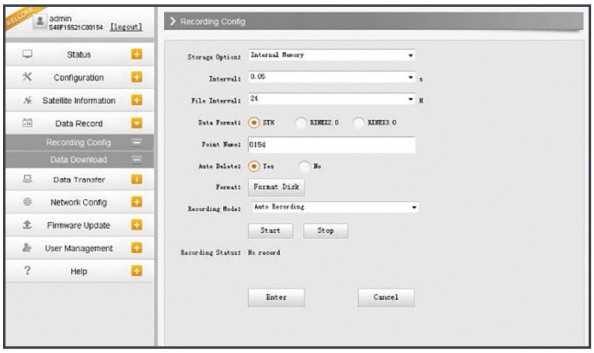
FULL SATELLITE CONSTELLATIONS SUPPORT

Delivers 220/336 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/RTX 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.

The 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.

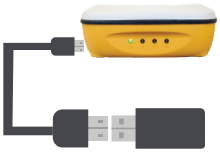


A5 PLATFORM, UI WEB SERVER

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.

The 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.

The 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.

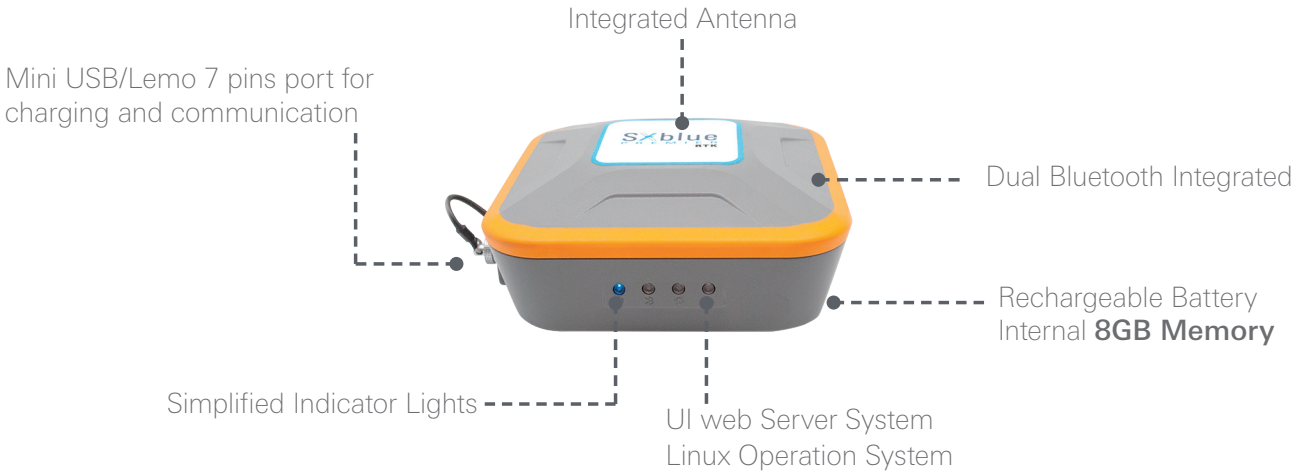
Based on the intelligent platform, SXblue Premier supports STH, Rinex2.x and Rinex3.x data storage formats and a sampling rate of up to 20Hz.

TRIMBLE MAXWELL TECHNOLOGY

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

[2]Equipped with BD940 OEM board, SXblue Premier RTK supports Rinex2.x and Rinex3.x data storage formats and a sampling rate of up to 20Hz.

SXBLUE PREMIERE RTK



COMPATIBLE SOFTWARES

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 and Collector for ArcGIS.

COMPATIBLE DATA COLLECTORS

SXtab 8W

SXPad 1000P

SXPad 1500

INCLUDED ACCESSORIES

Soft Case

Holder for pole

Lemo 7 PIN WIRE
SX Premier RTK

USB Cable + Charger

Hard Case (Optional)

SPECIFICATIONS

RECEIVER

	PREMIER (GNSS)	PREMIER II (RTK/RTX)
Channels	220	336
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
L-Band	-	Omni-star, RTX

ACCURACY (RMS)

Autonomous Accuracy	Horizontal: 2.5m	Horizontal: 2.5m
DGNSS	Horizontal: 0.25m+1ppm	Horizontal: 0.25m+1ppm
	Vertical: 0.50m+1ppm	Vertical: 0.50m+1ppm
SBAS	Horizontal: 0.50m	Horizontal: 0.50m
	Vertical: 0.85m	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 USB 2.0	Lemo 7 pins
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/0 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
Working Time	+8 hours

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 and charger

Authorized Distributor