SL600
LATEST

GNSS
TECHNOLOGY

Latest
GNSS Technology

6G GNSS
Chip

Internal 3G
GSM modem

GPS, GLONASS,
BEIDOU
GALILEO,
SBAS, QZSS

Water Proof
Case

1 GB Internal
Memory

SatLab
GEOSOLUTIONS®

CE FC **Bluetooth**

SatLab
GEOSOLUTIONS®

SL 600
6G GNSS
Receiver

www.satlabgps.com

SL 600
6G GNSS Receiver

The Ultimate On The Pole
GNSS System With 6G Tracking

European Standards | Lightweight | Bluetooth | GPS GLONASS BEIDOU GALILEO SBAS QZSS | 6G GNSS Chip | Long Life Battery | 2 Watt Dijital UHF | Linux Linux OS On Board
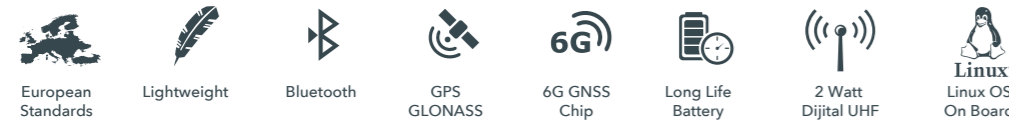
All in one, on the pole GNSS Receiver Intelligent System

Linux Linux OS On Board

Satlab SL600 is built on a LINUX based operating system which controls all hardware and communications for an error free and easy to support solution. Just listen to Satlab SL600, it's voice prompts will advise you of any issues together with a solution. It always remembers what it has performed before. Once you set up its operating parameters, forget about setting up again. Power up the receiver and its is ready to measure!

GPS - GLONASS BEIDOU - GALILEO SBAS - QZSS

Satellite Tracking Technologies

Satlab SL600 utilizes the latest in GNSS technology; 6G! The unit is capable of tracking 6 different satellite constellations, namely GPS, GLONASS, BeiDou, GALILEO, QZSS and SBAS.

New Features

GNSS Technology

Satlab SL600 new features; Automatic base station setup from a list of pre-defined coordinates without controller, Base/Rover RTK over internet, Direct Rinex recording, Voice in your local language, Remote internet access to the receiver and Remote logged data downloads.

Corrections Format Support

Satlab SL600 is capable of processing all standardized corrections formats from local sources to national CORS networks in both single base and network modes.

CORS networks

Working Modes

UHF modem

Static, VRS RTK, UHF RTK, all surveying modes are available to meet any type of surveying application. A multiband GSM modem covers all type of data services available in the world, making sure that Satlab SL600 can connect to any NTRIP Network. Moreover, the 2W internal UHF modem is compatible to work with any standardized radio protocol, ensuring your Satlab SL600 will work with any available base or rover station.

Unlimited Storage

In addition to its 1GB of internal memory, SL600 is equipped with a micro SD card slot for large files like long static observations in high precision applications.

micro SD card slot
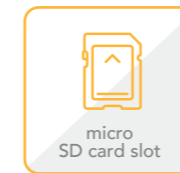
Exceptional Battery Life

Long Life Battery

Satlab SL600 is equipped with two high capacity hot-swappable Li-Ion battery packs. Together they provide up to 24 hours of uninterupted operation for continuous field work, without worrying about charging batteries.

Durable Housing

Proven plastic alloy technology XENOY delivers maximum protection against harsh environmental conditions. It never fails in extreme field conditions. Very high or very low temperatures, impacts, heavy rains are no more problems.

Resistant safe

Signal Tracking
- 220 Channels
- GPS : L1 C/A, L2E, L2C
- GLONASS : L1 C/A, L1 P, L2 C/A, L2 P
- BEIDOU : B1, B2
- GALILEO : L1 BOC, E5B
- QZSS : L1 C/A, L1 SAIF, L2C
- SBAS : L1 C/A, (WAAS-EGNOS-MSAS-GAGAN)

Data Management
- 10 Hz Update (up to 50 Hz)
- sCMRx, CMR, CMR+, RTCM SC104 2.x, 3.x
- VRS, FKP, MAC Support
- NMEA Output
- 1 GB Internal Memory
- microSD External Memory Recording
- RINEX Data Logging

I/O Interface
- 2 x RS232 Serial Port
- 2 x DC External Power Input
- 1 x USB
- 1 x Bluetooth, >50 m Range
- 1 x microSD Card Slot
- 1 x SIM Card Slot
- 1 x Speaker
- 3 Push Button Control Panel
- 3 LED Indicator Panel

Communications
- Internal 3.5G UMTS/HSDPA GSM Modem
- Internal Dijital UHF Modem Options
    - ADLF1 : 2 Watts, SATLAB Protocol
    - XDL : 2 Watts, Trimtalk, Satel, TrimMark, Transparent Protocol

Power
- DC 6-28 V Input
- Dual Battery Comparment
- 10.000 mAh Hot-Swap Li-Ion Battery
- Battery Life
    - 24 Hours Static Measurement
    - 18 Hours RTK Rover
    - 15 Hours RTK Base

Accuracy
- RTK : Horizontal 8 mm + 1 ppm, Vertical 15 mm + 1 ppm
- PP : Horizontal 2.5 mm + 1 ppm, Vertical 5 mm + 1 ppm
- RTK Init : < 10 sn
- Confidence Level : %99.9

Environmental
- IP67 Enritonmental Protection
- Waterproof to 2 m Dept
- Shock Resistant Body to 3 m Drop
- Operating Temperature : - 45 °C to 65 °C
- Storage Tempearture : - 55 °C to 85 °C

Physical Properties
- XENOY 5220U Housing
- Size : 182 mm x 92 mm
- Weight : 1.2 kg