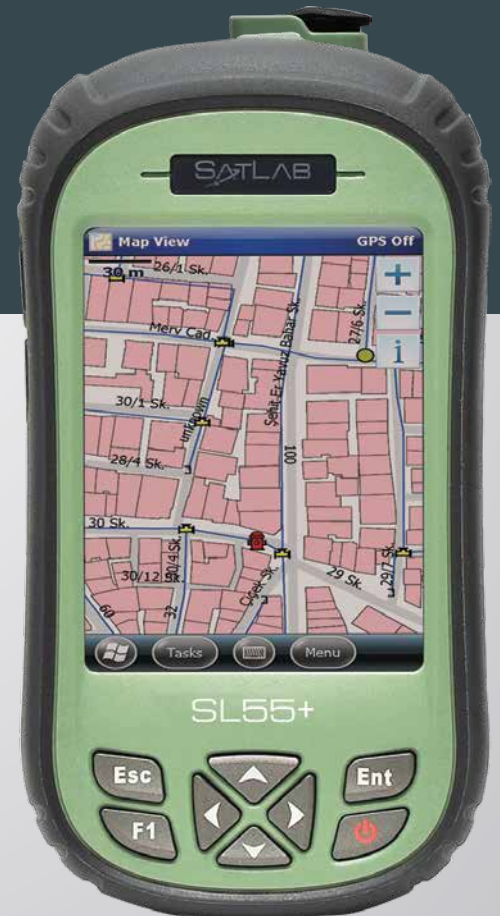




SL 55+
GIS Data
Collection



SL 55+

Low Cost High Accuracy GNSS

The Ultimate GNSS Receiver for Geospatial Data Collection with High Accuracy



European Standards



Lightweight



Bluetooth



Multi Constellation Tracking



Long Life Battery



Windows Compatibility



Low Cost Centimeter GNSS Receiver

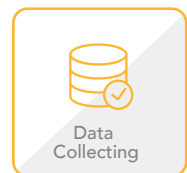
SL55+ is a low cost GNSS receiver delivering high accuracy from centimeter to sub-meter depending on the application.





Great Companion for Geospatial Data Collection

Selection of various mobile data collection software packages provide a solution for whatever your application requires. Any type of database structure or data requiring update is easy to manage.



Multi Constellation GNSS

SL55+ is an advanced single frequency multi-constellation receiver, tracking Code & Carrier phase, and Doppler signals from GPS, Glonass, and Beidou satellites. This Multi constellation receiver enables you to obtain reliable positions in the most challenging environmental conditions.

Industrial Design

Weatherproof housing ensures trouble free operation in any conditions in the field. Sun readable and sensitive screen makes it easy to select even very tiny objects in the software interface.

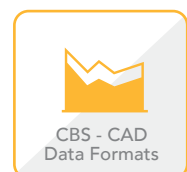


Fast and Reliable Support Center

Swedish based central support office gives the fastest and the most reliable support for any kind of technical or service issue.

Complementary Solutions

SatLab offers a broad selection of Software packages for different applications with a large number of supported data formats in GIS and CAD.



Environment Friendly

All SatLab products are manufactured keeping the environment in mind. All electronics are RoHS certified and SatLab AB takes full responsibility for recycling end of life products.



System

- Operating System: Windows Mobile 6.5
- Processor: 806 Mhz
- RAM: 256 MB
- Internal Flash Memory: 8 GB
- External Memory: MicroSD card up to 32 GB
- Screen: 3.7" color touch screen , Full VGA



GNSS Features

- 72 channel GPS/GLONASS/BEIDOU (Carrier phase, Code phase & pseudo-range, Doppler)
- Support SBAS (WAAS, EGNOS, MSAS)
- Antenna: Internal and External (SMA)



Accuracy

- Real-Time
 - Autonomous: 1-5 meters
 - DGPS: Sub-meter
- Post Processing
 - Static: cm (external antenna + base within 25km)
 - Kinematic: cm (external antenna + base within 10km)
 - Kinematic: <30 cm (external antenna)
 - Kinematic: sub-meter (with internal antenna)



Communication Interface

- USB
- Wi-Fi , Bluetooth
- 3G Internet
- Internal 5 megapixel camera
- MicroSD card slot (up to 32GB)



Power Supply

- Built-in 3.7V Lithium-Ion battery
- Battery life > 9 hours



Physical Properties

- Size: 15.2 x 8.2 x 3.2 cm
- Weight: 320 gram (with battery)
- Operating Temperature: -20°C - +70°C
- IP65 Waterproof
- Shock: 1.5 m free fall



Latest GNSS Technology

SL55+
LATEST
GNSS
TECHNOLOGY



External Antenna Option



MicroSD Card
Built-in Camera



72 Channels
Multi Constellation Tracking

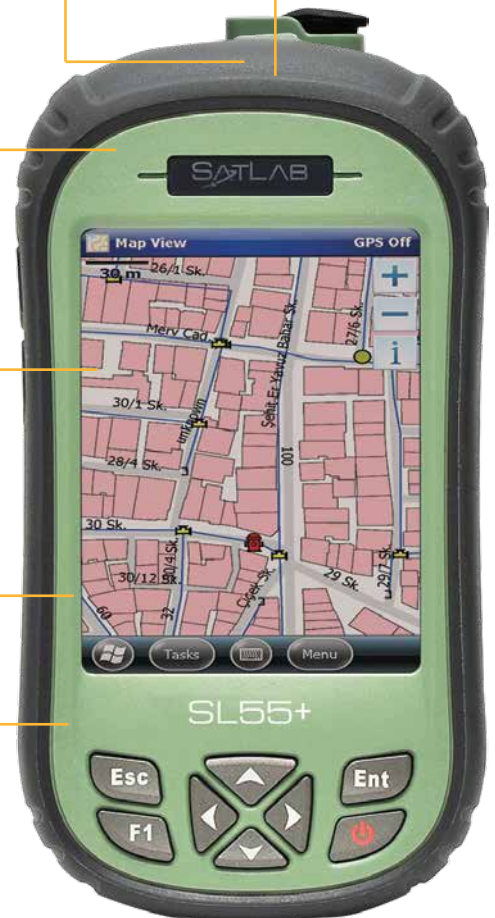
Multi Constellation GNSS
Raw Data Logging

Processor 806 Mhz

3.7", Color Touch Screen
Full VGA

USB
Wi-Fi, Bluetooth
3G Internet

USB
(Disk and Charging)





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