SATLAB®
GEOSOLUTIONS

# SLC
# Multi-Purpose
# GNSS Receiver


www.satlabgps.com

# SLC
# Multi-Purpose GNSS Receiver

## The Ultimate Expandable Handheld
## Smart GNSS Sensor with Multi Constellation Tracking

Swedish Design | Lightweight | Bluetooth | Multi Constellation Tracking | Long Life Battery | Windows Compatibility | Android Compatibility | iOS Compatibility | Internal 3.5G GSM Modem | Internet RTK Technology


Press Run

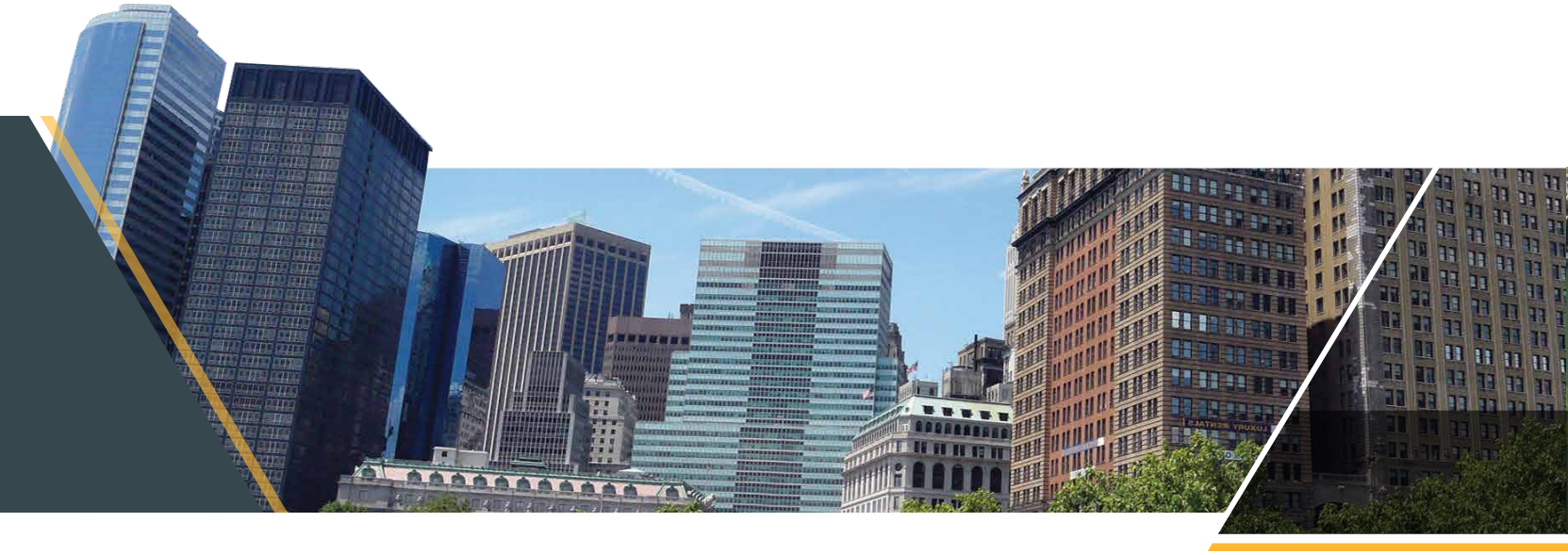
### Fully Automated GNSS Receiver

SLC is a multi-purpose, surveying grade GNSS receiver with industrial modem for internet and one button operation.

Android, Windows and iOS Compatibility

### Multiple Expansion Possibilities

SLC GNSS sensor includes 2 mounting plates to attach your tablet computer as its display, running your Apps. Its industrial grade 3.5G modem applies available RTK corrections for cm accuracy. The USB/RS232 serial connection allows for external power, UHF radio connection or wired connection to a display.



Multi Constellation Tracking

## Unlimited Application Areas

Any software running on Windows, Android or iOS accepting GNSS position over a serial port (Direct or over Bluetooth) can be used. This makes SLC the high precision positioning solution to virtually unlimited number of applications.

## Latest GNSS Technology

SLC utilizes a Novatel* GNSS OEM receiver with all options enabled. The GNSS board can be controlled through the RS232 Serial Port or Bluetooth for custom applications. The SLC tracks multi constellation satellite as well as SBAS satellites. The SLC is ready to use RTK corrections from NTRIP casters and Satlab InternetRTK servers.

GNSS Technology

Antenna Options

## Antenna Options

SLC contains a convenient internal full constellation dual frequency tracking antenna for centimeter accuracies in your hand. For even greater precision, an external geodetic antenna kit and pole mount option is available.

## Industrial Approach

The sleek and rugged Swedish designed SLC, is easy to hold and designed for long and reliable field work, backed by Satlab's standard 2 year warranty.

Swedish Design

Technical Support

## Fast and Reliable Technical Support

One of the greatest benefits with Satlab is support. We ensure spare parts are always available and easy to access from any place in the world. We keep our distribution network apprised on all software updates and support them with everything needed to guarantee a great user experience.

*NovAtel is a registered trademark of NovAtel Inc.

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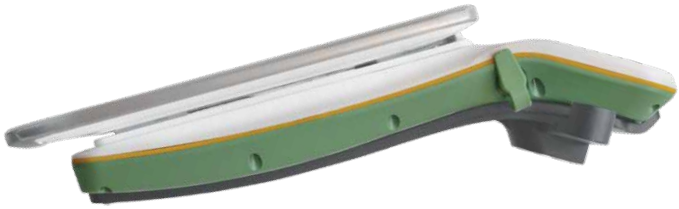

## System
- Multi Purpose GNSS Receiver
- Internal Memory: 32GB

## Channel Configuration
- 120 Channels

## GNSS Tracking
- GPS : L1, L2, L2C
- GLONASS : L1, L2
- BEIDOU : B1, B2
- GALILEO** : E1, E5b
- QZSS : L1, L2C
- SBAS : L1 C/A

## Horizontal Position Accuracy (RMS)

| | |
|---|---|
| - Single Point L1 | 1.5 m |
| - Single Point L1/L2 | 1.2 m |
| - SBAS | 0.6 m |
| - DGPS | 0.4 m |
| - RTK | 1 cm + 1 ppm |
| - Initialization Time | < 10 s |
| - Initialization Reliability | > 99.9% |

## Measurement Precision (RMS)

| | GPS | GLONASS |
|---|---|---|
| - L1 Carrier Phase | 0.5 mm | 1 mm |
| - L2 Carrier Phase | 1 mm | 1 mm |
| - L2C Carrier Phase | 1 mm | 1 mm |

## Formats
- NTRIP, intRTK
- Navigation Output Support for NMEA 0183, NovAtel* ACSII and Binary Logs
- Differential Correction Support for RTCM 2.1, 2.3, 3.0, 3.1, 3.2, CMR, CMR+ and RTCA
- Raw data recording for Post Processing
- Field Upgradable Software
- Differential GPS Positioning

## Interface and Hardware
- USB (Disk and Charging)
- RF for External GNSS Antenna
- RS232 Serial
- Integrated 3.5G

## Environmental
- IP67 water/dustproof
- Temp: -20°C to +65°C

## Physical
- Size: 25 x 9.5 x 3 cm
- Weight: 620 grams

## Power
- Mini USB Charging (Power Bank compatible) @1 A
- Battery life 8-12 hours depending on the working mode and environmental conditions

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**Optional

Specifications subject to change without notice.

# Fully Automated GNSS Receiver

SLC LATEST GNSS TECHNOLOGY


Internal 3.5G GSM Modem

Internal GNSS Antenna

Internal Memory: 32GB

Dual Frequency RTK
Multi Constellations Tracking

Windows, Android,
iOS (BLE) Bluetooth Compatibility


USB/Serial Port for Charging and
Wired Data Connection

Geodetic
Position Accuracy

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CE FC Bluetooth™