

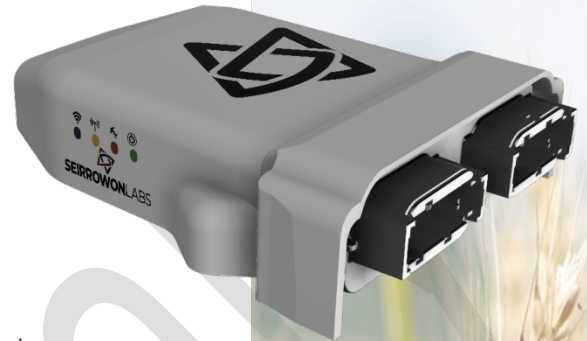


SL Lite Receiver

A complete, rugged GNSS position solution for agriculture

The SL Lite receiver offers a robust position solution for all agricultural applications. It is designed as a drop-in replacement for many legacy GPS and GNSS receivers.

No need to upgrade an old receiver when you can get completely unlocked RTK performance.



Fully Unlocked!

No nickel and diming here! All SL receivers are fully unlocked out of the box and ready for RTK and PPP.

Flat Earth (FE) - Precise Point Positioning (PPP)

Flat Earth PPP provides a solution that covers entire continents¹. Using an internet connection to receive the FE PPP correction you can achieve sub 2" (5cm) precision without the need for a base station or tower network. Converges in just a few minutes! "Load and Go" FE PPP allows you to purchase monthly subscriptions directly from the web interface with your phone or tablet. No more calling the dealer then waiting on activation.

B.Y.O. Cell Connection

You know the best Cell provider in your area. Why be forced to use a different carrier or have multiple plans. Either use your phone as a hot spot or use a rugged hot spot solution for RTK or Flat Earth corrections.

Advanced User Interface

Built in Web pages allow set up with any WIFI device (phone, tablet, or PC). No cables or special apps or software required. Presets allow quick, automatic configuration of new receivers when replacing older ones.

Remote Support

Via WIFI, the SL Receiver can send its settings directly to Seirrowon secured server allowing a replacement unit to be pre-configured before shipment, minimizing down time! Remote diagnostics also allow for fast diagnosis of issues.

Dual Antenna Functionality

Support for dual antenna heading is built in for very slow movement operations where GNSS heading is unreliable.

Tilt Compensation

The SL Lite has basic tilt compensation. The SL Lite R and SL Pro have full sensor fusion implementation for full terrain compensation. The SL Pro also has GNSS denied functionality for running under dense foliage.

1. FE PPP currently covers North America and Europe only. Other continents will follow.

Seirrowon Labs GNSS Offering

	SL Lite	SL Lite R	SL Pro
GNSS Output Rate	10Hz	20Hz	20Hz
GPS L1, L2C	✓	✓	✓
GLONASS L1, L2	✓	✓	✓
Galileo E1, E5a	✓	✓	✓
Beidou B1, B2		✓	✓
QZSSL1, L2C		✓	✓
L-band PPP			✓
PPP over IP	✓	✓	✓
Sensor Fusion			
Basic		✓	
Advanced			✓
Tilt Compensation	✓	✓	✓
Remote Backup	✓	✓	✓
Remote Support	✓	✓	✓
Simulated Speed	✓	✓	✓
PPS	✓	✓	✓
WIFI	✓	✓	✓
Bluetooth	✓	✓	✓
Web User Interface	✓	✓	✓
NTRIP Client	✓	✓	✓



Receiver Specifications

Signals	184 Channel		Updates Support	Via Internet
GPS	L1, L2C		Operating Characteristics	User-enabled Support
GLONASS	L1, L2			Backup and Historical Diagnostic Information
Galileo	E1, E5B			
QZSS	L1, L2C			
Accuracy	Static	P2P	Temperature Operation	~ -22°F (30C) – 170°F (76C)
Stand Alone	5ft (1.5m)	12in (30cm)	Storage	~ -40°F (-40C) - 185°F (90C)
SBAS	3.3ft (1m)	10in (25cm)	Shock	TBD
PPP	2in (5cm)	1in (2.5cm)	IP Rating	IP67
RTK	1in (2.5cm)	1in (2.5cm)	Humidity	100%
Tilt	± 1in (2.5cm) @ 6.7ft (2m) High		Vibration	TBD
Output Rate	10 Hz		Electrical	9 – 32vDC
Sensor Fusion	GNSS Embedded (Lite R & Pro Only)		Power	< 1W
TTFB	< 10s		Dimensions	5"W(125mm)x7"L(175mm)x2"H(50mm)
Correction Types	RTCM3.x and PPP		Connectors	
Connectivity	2 x Serial ports		Connector 1	DTM – A Key 12 pin
	Wi-Fi 802.11 b/g/n		Connector 2	DTM – B Key 12 pin
	Bluetooth v4.2 BLE		Mounting	
	PPS or Speed		Magnetic	48 lbs. (21kg) force
	Web UI		Screw Option	3 x M3 screws
User Interface			Other Features	
LEDs	Power, GNSS, Correction, and Wi-Fi/Bluetooth		NTRIP Client Built-in	
			PPP over IP Client Built-in	

American Designed and Assembled



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