

L5 U-PRO.

Advanced GNSS technology with over 1,400 channels for rapid RTK fix!

Our professional GNSS receiver delivers maximum flexibility, whether used as a rover or your own base station.



KEY FEATURES

- ✓ Calibration-free IMU tilt, unaffected by magnetism
- ✓ GPS, GLONASS, Galileo and BeiDou support always included
- ✓ Integrated 4G and UHF radio modems
- ✓ IP68 rated
- ✓ Compatible with most field software



L5 Navigation Systems AB develops and supplies positioning solutions for surveying, construction and mining. We combine leading technology with cost-effective solutions to deliver outstanding customer value. Geofix and Rockma System have been part of L5 Navigation since 2023.

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See pricing and learn more about our products

L5 U-PRO.



SPECIFICATIONS

GNSS

Channels:	1408
Signals:	GPS: GPS L1C/A, L1C, L2C, L2P(Y), L5 GLONASS: G1, G2, G3 GALILEO: E1, E5a, E5b, E6 BDS: B1I, B2I, B3I, B1C, B2a, B2b QZSS: L1C/A, L1C, L2C, L5 NavIC: L5 SBAS: L1C/A

ACCURACY

Static:	H 2.5 mm $\pm$ 1 ppm V 5 mm $\pm$ 1 ppm
RTK:	H 8 mm $\pm$ 1 ppm V 15 mm $\pm$ 1 ppm
Tilt:	2 cm (at 60° tilt angle)
Atlas H10:	8 cm
Initialization:	8s with 99.9% reliability

SYSTEM

Operating system:	Linux
Storage:	8 GB MicroSD
Wi-Fi:	802.11 b/g/n
Bluetooth:	V2.1+EDR/V4.1 Dual Cl. 2
E-Bubble:	Supported
Tilt:	IMU, 400 Hz update rate
Audio:	TTS voice output supported

COMMUNICATION

UHF:	Built-in TRx radio, adjustable output: 1W/2W. Frequency range: 410–470 MHz
Protocols:	GeoTalk, SATEL, PCC-GMSK, TrimTalk, TrimMark, South, Hi Target
Network:	4G modem compatible with 2G/3G/4G

PHYSICAL SPECIFICATIONS

Connectors:	1x TNC (UHF Antenna), 1x 5PIN (Power+RS232) 1x 7PIN (USB+RS232)
Buttons:	1x Power button
LEDs:	4x LED
Dimensions:	Ø156 mm x H76 mm
Weight:	1.2 kg with two batteries

POWER

Battery:	2x 7.2V, 24.5Wh, Hot swap
Battery time:	Static: 15 h RTK: 12 h
External power:	Via 5PIN connector
Voltage:	DC 9–18V

ENVIRONMENT

Temperature:	Operating: -45°C to +75°C Storage: -55°C to +85°C
IP rating:	IP68
Shock resistance:	2 m drop onto hard surface when pole-mounted