

RTK-SSR Receiver with PointPerfect (Internet or L-Band)

Includes:

- simpleRTK2B Pro with ZED-F9P RTK receiver
- 1 year subscription to L-Band **or** Internet PointPerfect correction service
- 1 L-Band Point Perfect correction receiver **or** 4G NTRIP Master + 1 SIM Card with 1 year unlimited service
- 1 Calibrated Survey GNSS Tripleband + L-band antenna (IP67) **or** Survey GNSS Multiband antenna (IP66)
- 1 Magnetic stand for survey GNSS Multiband antenna
- 1 USB – type C cable
- 1 Plastic Case
- Pre-configuration to send NMEA over JST-GH connector and USB at the same time



More info about the product!

RTK-SSR Receiver with PointPerfect (Internet or L-Band) has several different

configurations to provide you with flexibility:

SKU	Variation Name
AS-PROKIT-POINTPERFECT-L1L2LBNA-00	L-Band (North America version)
AS-PROKIT-POINTPERFECT-L1L2LBEU-00	L-Band (Europe version)
AS-PROKIT-POINTPERFECT-L1L2IPEU-00	Internet (Europe version)
AS-PROKIT-POINTPERFECT-L1L2IPNA-00	Internet (North America version)

Get a discounted bulk price on this product for orders of 50 units or more. Contact us at info@ardusimple.com to get a quote.

Description

With RTK-SSR Receiver with PointPerfect (Internet or L-Band), you will be able to enjoy plug-and-play centimeter accuracy in Europe and continental North America from any area with cellphone coverage or satellite view.

Thanks to u-blox F9 RTK engine, Thingstream PointPerfect augmentation service and ArduSimple integration and pre-configuration, just power up, wait 1-2 minutes, and enjoy centimeter precision. If you use L-band option, please send us an email at info@ardusimple.com when you receive the package and we will activate the service.

Good to know:

- The price includes the hardware, 1 year unlimited PointPerfect augmentation service.
- Internet version will activate automatically during the first power up or 15 days after delivery, whichever happens first. If you use L-band option, please send us an email at info@ardusimple.com when you receive the package and we will activate the service for you.
- For the L-Band version, you will need to update the key every 28 to 56 days, you can find instructions [here](#), the Internet version updates automatically the keys.
- You can use the device without limit for a full calendar year: 365 days @ 24h/day.
- When the date of the license period is close to expire, you will have the possibility to renew it at 365€/year.
- u-blox PointPerfect augmentation service coverage in all territory marked in orange and up to 20km from the coastline:



Specifications

Interfaces

- USB

4G NTRIP Master features

- LTE FDD Cat.4 with dual antenna for Rx Diversity and MIMO
- Compatible with 2G, 3G and 4G networks
- Integrated SIM holder: MicroSIM
- Antenna type: external passive
- Antenna connector (modem side): uFL / IPEX
- Frequency (Europe variant):
 - For Europe, but also Middle East & Asia, compatible with:
 - 4G Bands (MHz): B1(2100), B3(1800), B7(2600), B8(900), B20(800)
 - 3G Bands (MHz): B2(2100), B8(900)
 - 2G Bands (MHz): B3(1800), B8(900)
- Frequency (North America variant):
 - For USA* & Canada, compatible with 4G and 3G networks.
 - 4G Bands (MHz): B2(1900), B4(1700), B5(850), B12/B13 (700)
 - 3G Bands (MHz): B2(1900), B5(850)
 - * Only compatible with AT&T, T-Mobile and virtual operators working on these networks. Not compatible by default with Verizon SIM cards, contact us in this case.
- Operating temperature Range: -40 to +85deg
- Documentation: RED, RoHS, FCC, IC, PTCRB

ZED-F9P features

- Centimeter level precision
 - <1cm with a base station up to 35km
 - <1cm with NTRIP up to 35km
 - <4cm with SSR corrections
 - <1.5m in standalone mode
 - <0.9m standalone with SBAS coverage
- Update rate
 - Default: 1Hz
 - With maximum performance: up to 10Hz
 - With reduced performance: up to 20Hz
- Multi band: L1, L2 and E5b support
- Multifrequency and Multiconstellation:
 - GPS: L1C/A L2C
 - GLONASS: L1OF L2OF
 - Galileo: E1-B/C E5b
 - BeiDou: B1I B2I

- QZSS: L1C/A L2C
- SBAS: WAAS, EGNOS, MSAS, GAGAN and SouthPAN
- Start-up times:
 - First position fix: 25 seconds (cold), 2 seconds (hot)
 - First RTK fix: 35 seconds (cold)
- RAW data output in UBX format
- Base and Rover functionality
- Operating temperature Range: -40 to +85deg
- Documentation: RED, RoHS

Image Gallery



Documentation

User Guide	https://www.ardusimple.com/user-guide-pointperfect-rtk-ssr-receiver-internet-or-l-band/
Configuration files	https://www.ardusimple.com/how-to-configure-ublox-zed-f9p/

RTK-SSR Receiver with PointPerfect (Internet or L-Band) includes free basic technical support. Contact info@ardusimple.com for more information. Data and descriptions in this document are subject to change without notice. Product photos and pictures are for illustration purposes only and may differ from the real product appearance.