

# RTK Calibrated Surveyor Kit

"RTK Calibrated Surveyor Kit items" includes:

- ZED-F9P RTK receiver with USB and Bluetooth/BLE inside a plastic case
- Calibrated Survey GNSS Multiband antenna (IP67) with 1.5m TNC-SMA cable
- USB-C cable
- USB OTG microUSB-B (14cm)
- USB OTG type C (22cm)
- Universal smartphone holder with Rubber Pads, fits any smartphone from 5.3cm to 9.3cm
- Clamp to hold the smartphone holder to the pole
- Velcro strap (20cm) to fix the receiver to the back of the smartphone holder
- Pre-configuration to send NMEA over Bluetooth/BLE and USB at 1Hz
- Plastic case has a LED to indicate Bluetooth/BLE status

"Pole for survey GNSS antenna" includes:

- Surveying pole



More info about the product!

RTK Calibrated Surveyor Kit SKU is:

## Description

With the ArduSimple RTK Calibrated Surveyor Kit you will have everything you need to start your surveyor tasks with RTK and centimeter level accuracy.

For Android users, use your preferred app and connect to the receiver via USB or Bluetooth.

For iOS users, currently only connection over BLE is possible, and only SW Maps app is supported.

You will only need to configure your NTRIP credentials and you are ready to go!

Good to know:

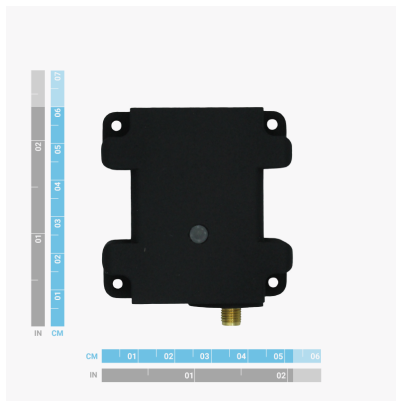
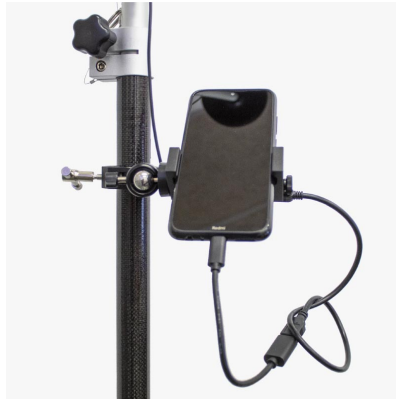
- You can power and connect to the GNSS receiver with only one USB OTG cable
- You can use Bluetooth or BLE (compatible with Android and iOS devices)
- Fits any smartphone from 5.3cm to 9.3cm with or without case
- You can also use a tablet with this kit (tablet holder not included)
- Smartphone is not included

## Specifications

### 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)
- Interfaces (**check product documentation to verify which are available**):
  - USB
  - UART
  - XBee
  - Timepulse
  - Event
  - Safeboot
- RAW data output in UBX format
- Base and Rover functionality
- Operating temperature Range: -40 to +85deg
- Documentation: RED, RoHS

## Image Gallery



## Documentation

RTK Calibrated Surveyor Kit User Guide	<a href="https://www.ardusimple.com/user-manual-rtk-calibrated-surveyor-kit/">https://www.ardusimple.com/user-manual-rtk-calibrated-surveyor-kit/</a>
EU Conformity & RoHS Certificates	<a href="https://www.ardusimple.com/eu-conformity-certificates/">https://www.ardusimple.com/eu-conformity-certificates/</a>
3D CAD STEP Files	<a href="https://www.ardusimple.com/3d-cad-step-files/">https://www.ardusimple.com/3d-cad-step-files/</a>

RTK Calibrated Surveyor Kit includes free basic technical support. Contact [info@ardusimple.com](mailto: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.