

# RTK Portable Bluetooth Kit

Includes:

- ZED-F9P RTK receiver with USB and Bluetooth inside a plastic case
- 1 u-blox GNSS Multiband antenna ANN-MB-00 (IP67) with 5m cable with SMA connector
- 1 USB - type C cable
- Pre-configuration to send NMEA over Bluetooth and USB at the same time at 1Hz



More info about the product!



RTK Portable Bluetooth Kit SKU is: AS-STARTKIT-BTCASE-L1L2-0-03

## Description

ZED-F9P RTK receiver and antenna with USB and Bluetooth inside a plastic case. Everything is pre-packed and pre-configured so you can start using it from the unboxing.

This kit is ideal if you plan to use NTRIP corrections to achieve cm level positioning, it can be easily connected to a smartphone/tablet/computer via USB or Bluetooth.

Good to know:

- The plastic case can be attached to any surface with 2 M4 screws, we recommend using washers to don't damage the plastic and apply moderate torque
- The plastic case is not waterproof
- The plastic case can be manually opened in case you want to play with its insides, don't use any tool and do it carefully :)
- Compatible with smartphones, computers and other devices that support Bluetooth 2.0 (Android only)
- If you want to connect this product via USB (and not Bluetooth) to a mobile phone or tablet, you will need an OTG cable. You will find this cable in the related products at the end of this page.
- The ZED-F9P is pre-configured to work at 115'200bps (this information is useful in case you want to connect with a PC)

Product Change History:

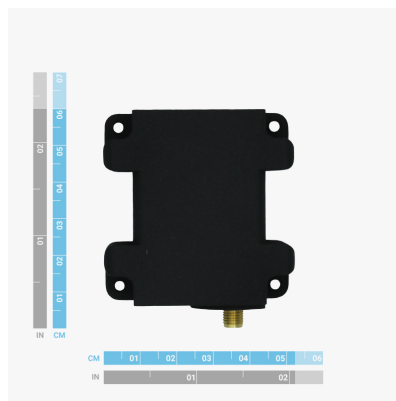
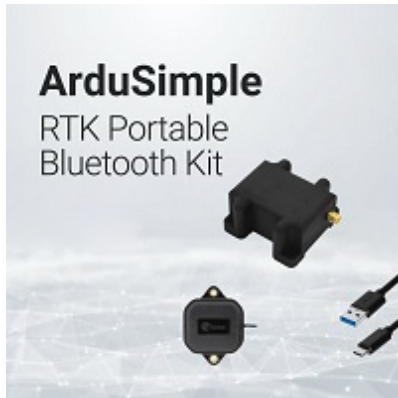
- AS-STARTKIT-BTCASE-L1L2-0-00: initial version
- AS-STARTKIT-BTCASE-L1L2-0-01: removed ArduSimple logo from plastic case
- AS-STARTKIT-BTCASE-L1L2-0-02: changed connector system from Mini-USB to USB-C
- AS-STARTKIT-BTCASE-L1L2-0-03: default ZED-F9P and Bluetooth baudrate set at 115'200bps

## 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 Portable Bluetooth Kit  
User Guide

<https://www.ardusimple.com/user-guide-rtk-portable-bluetooth-kit/>

EU Conformity & RoHS  
Certificates

<https://www.ardusimple.com/eu-conformity-certificates/>

3D CAD STEP Files

<https://www.ardusimple.com/3d-cad-step-files/>

RTK Portable Bluetooth 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.