

simpleRTK2B - Starter Kit MR

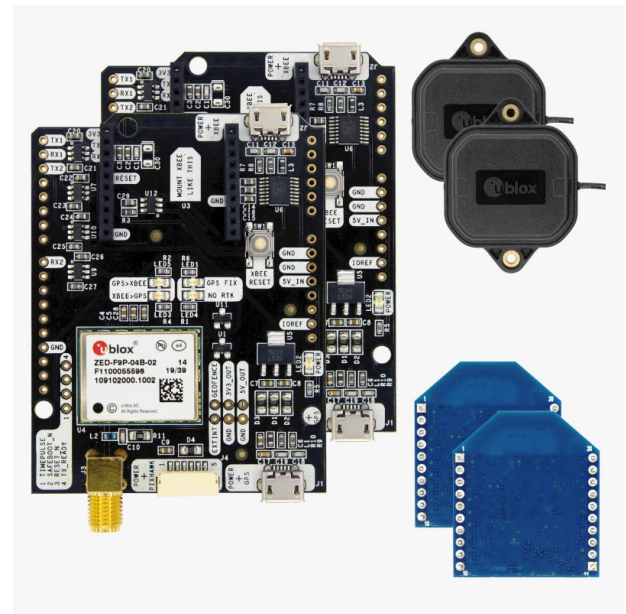
Includes:

- 2 simpleRTK2B Budget boards (ZED-F9P)
- 2 Radio Modules MR (Medium Range)
- 2 u-blox GNSS Multiband antenna ANN-MB-00 (IP67) with cable
- Base and Rover preconfiguration



More info about the product!

simpleRTK2B - Starter Kit MR has several different configurations to provide you with flexibility:



SKU

Variation Name

AS-STARTKIT-MR-L1L2-NH-01

Without headers

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

The simpleRTK2B - Starter Kit MR (Medium Range) allows simple and fast evaluation of Dual Band GNSS (GPS/Galileo/Glonass/Beidou) RTK technology, based on u-blox ZED-F9P module.

[RTK technology](#) introduces the concept of a "Rover" and a "Base Station". By using a data stream from the base station, the rover can output its relative position with cm level accuracy in clear sky environments.

One of the known problems of Single Band RTK is its convergence time of more than 60 seconds. Dual Band technology reduces this time below 10 seconds, increasing substantially the availability of cm-level accuracy.

This is the recommended Starter Kit for your line of sight projects. The kit includes 2 boards with base and a rover functionality. The included radio modules will let you send RTK corrections up to 1200m. If you need a longer range or multi-rover capabilities, check out our [Starter Kit LR](#).

The kit comes pre-configured, but if you need a custom configuration with special needs, make sure to add in the shopping cart our [Configuration Service](#).

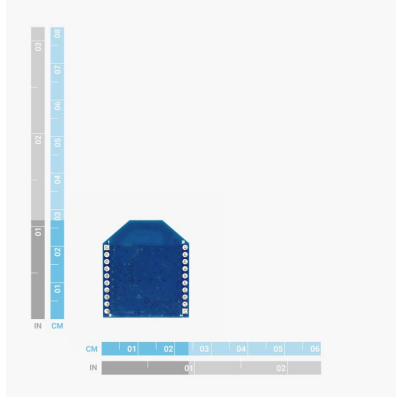
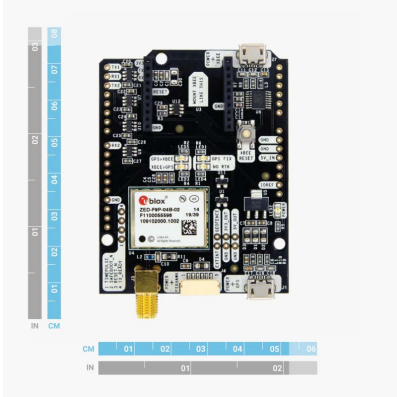
Good to know:

- This product is not suitable for multirover configuration, check our LR kit if you are interested in this feature.
- This product is recommended if you want to evaluate u-blox ZED-F9P.
- The included radio modules will let you send RTK corrections up to 1200m in [perfect RF-line-of-sight](#). If you need a longer range, check out our [Starter Kit LR](#).

Product Change History:

- AS-STARTKIT-MR-L1L2-NH-00: initial version
- AS-STARTKIT-MR-L1L2-NH-01: upgraded radio modules for better noise immunity

Image Gallery



Pinout

TOP VIEW

Description	Name	Name	Description
ZED-F9P TX1 IOREF level	TX1	GND	Must connect to GND
ZED-F9P RX1 IOREF level	RX1	GND	Must connect to GND
XBee TX/ZED-F9P RX2 IOREF level	TX2	5V_IN	4.5-5.5V optional input voltage
XBee RX/ZED-F9P TX2 IOREF level	RX2	IOREF	1.8-5V, defines voltage of TX/RX
Ground	GND		

simpleRTK2B - Starter Kit MR 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.