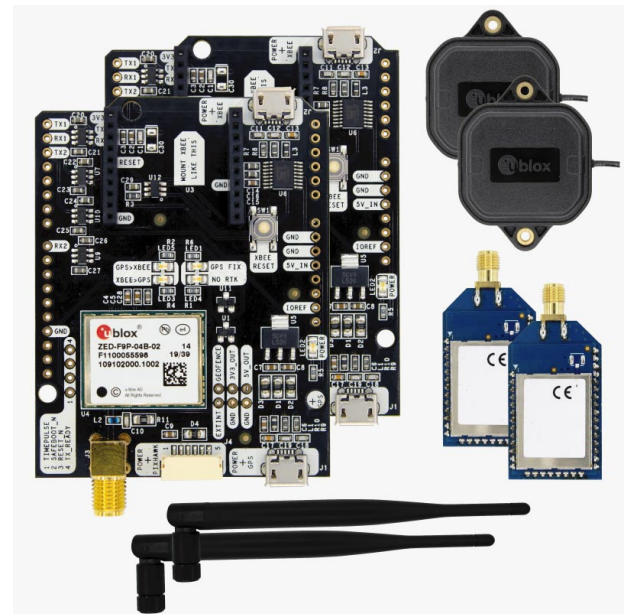


simpleRTK2B - Starter Kit LR

Includes:

- 2 simpleRTK2B Budget boards (ZED-F9P)
- 2 Radio Modules LR (Long Range) + 2 x radio antennas
- 2 u-blox GNSS Multiband antenna ANN-MB-00 (IP67) with cable
- Base and Rover preconfiguration



More info about the product!

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

SKU	Variation Name
AS-STARTKIT-LR-L1L2-EUHS-00	Headers soldered (+52€) / Europe
AS-STARTKIT-LR-L1L2-NAHS-00	Headers soldered (+52€) / North America
AS-STARTKIT-LR-L1L2-AUHS-00	Headers soldered (+52€) / Australia
AS-STARTKIT-LR-L1L2-NANH-00	Without headers / North America
AS-STARTKIT-LR-L1L2-EUNH-00	Without headers / Europe

SKU	Variation Name
AS-STARTKIT-LR-L1L2-AUNH-00	Without headers / Australia

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 LR (Long 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.

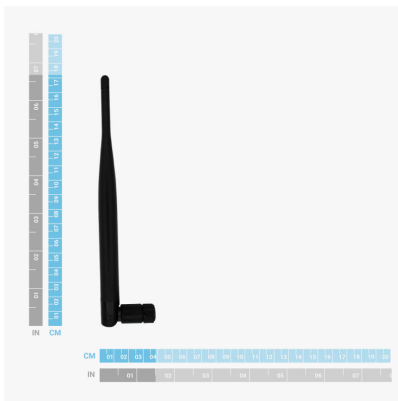
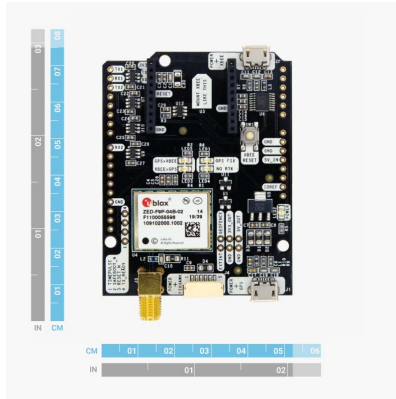
The kit includes 2 boards with base and a rover functionality, and radio modules that will let you send RTK corrections up to 10km. If that's too much and you are looking for a more affordable solution, check out our [Starter Kit MR](#).

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:

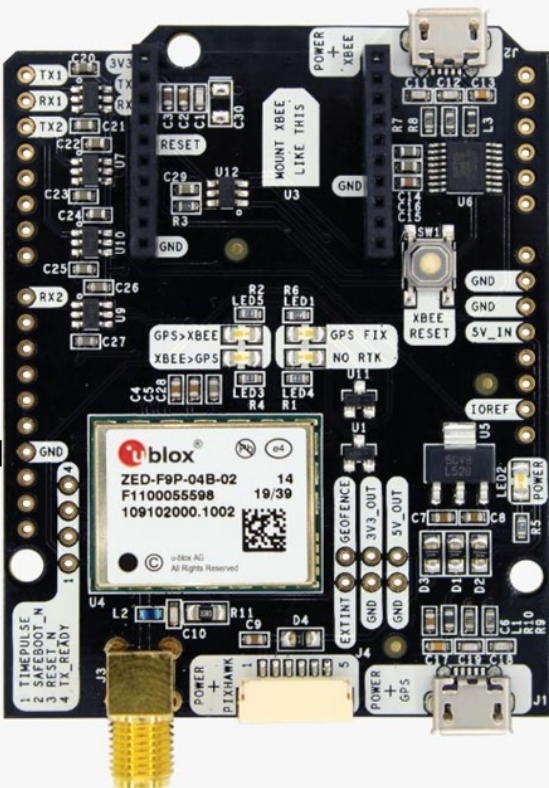
- You can have multiple rovers by using additional [simpleRTK2B boards](#) together with your kit.
- This product is recommended if you want to evaluate u-blox ZED-F9P.
- The included radio modules will let you send RTK corrections up to 10km. This distance will depend on the region of use, subject to local regulations.

Image Gallery



Pinout

TOP VIEW

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

simpleRTK2B - Starter Kit LR 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.