

# simpleRTK3B - Basic Starter Kit

Includes:

- 1 simpleRTK3B Pro board (Mosaic-X5)
- 1 Budget Survey Tripleband GNSS Antenna (IP66) including 2.5m cable
- 1 Magnetic Stand for Survey GNSS Antenna



More info about the product!



simpleRTK3B - Basic Starter Kit SKU is: AS-STARTKIT-BASIC3B-L125-NH-00

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

## Description

This standalone set of triple band board based on Septentrio Mosaic-X5 + ArduSimple Budget Survey Antenna + Magnetic Stand is everything that you need to achieve millimeter level accuracy and evaluate triband (L1/L2/L5) RTK GNSS technology at the most affordable cost.

To achieve millimeter level accuracy, you will need to connect it to a base station or to an RTK correction service (NTRIP or PointPerfect). You can use it with your smartphone, tablet, laptop, PC or embedded platform.

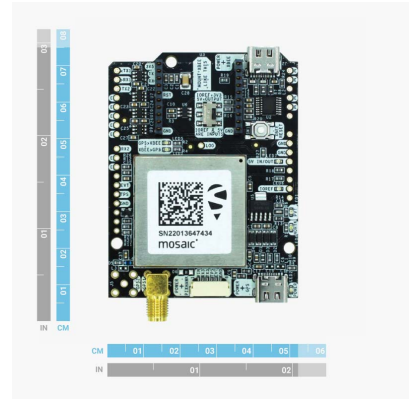
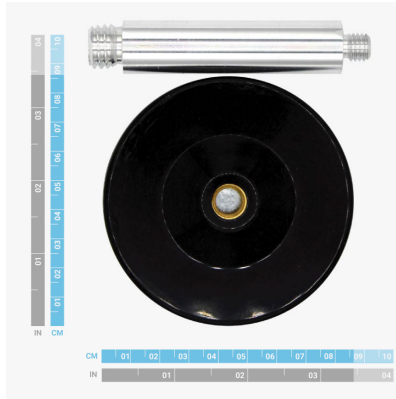
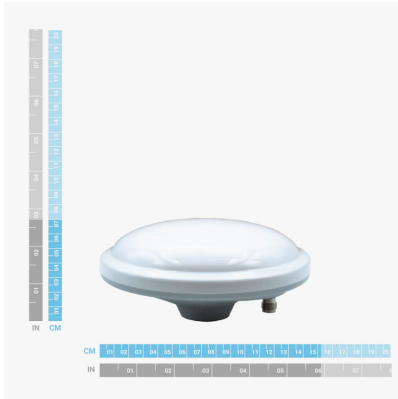
The kit can be configured as a base or a rover, supports multi-rover. It is fully compatible with Arduino, STM32 Nucleo, Raspberry Pi, Nvidia Jetson, ROS and Pixhawk / Ardupilot.

More details are available in the Specifications and Documentation tabs.

Good to know:

- This product is compatible but doesn't include radio, which might be useful connect to another base.
- This product is recommended if you want to evaluate Septentrio Mosaic-X5.

## Image Gallery



## Pinout

TOP VIEW

| Description                          | Name       | Name         | Description  |
|--------------------------------------|------------|--------------|--|
| GPS TX1 IOREF level                  | TX1        | E            | Don't connect  |
| GPS RX1 IOREF level                  | RX1        | E            | Don't connect  |
| XBee TX/GPS RX2 IOREF level          | TX2        | E            | Don't connect  |
| Don't connect                        | E          | E            | Don't connect  |
| Don't connect                        | E          | E            | Don't connect  |
| Don't connect                        | E          | E            | Don't connect  |
| Don't connect                        | E          | E            | Don't connect  |
| XBee RX/GPS TX2 IOREF level          | RX2        | <b>GND</b>   | Must connect to GND  |
| Don't connect                        | E          | <b>GND</b>   | Must connect to GND  |
| Don't connect                        | E          | <b>5V_IN</b> | 4.5-5.5V optional input voltage<br>Can also be output via switch       |
| Event input for timestamp 3.3V level | EVT        | <b>IOREF</b> | 1.8-5V, defines voltage of TX/RX<br>Can also be 3.3V output via switch |
| Inverted timepulse out 3.3V level    | TPS        |              |  |
| Ground                               | <b>GND</b> |              |  |

simpleRTK3B - Basic Starter 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.