



CrossFlight

Quick Start Guide

Thank you for choosing RadioLink product. This product is not a toy and is not suitable for children under the age of 14. Adults should keep the product out of the reach of children and exercise caution when operating this product in the presence of children.

Note: In order to fully know about the usage of CrossFlight and ensure flight safety, please download the detailed instruction manual from

https://www.radiolink.com/crossflight_manual

Read carefully and set the device as instructed. If there is any question, please send messages/leave comments on Facebook and YouTube or send mails to after_service@radiolink.com.cn.

* CrossFlight is adaptable to multicopter, airplane, helicopter, car, boat, submarine, radar tracker and robot.

* CrossFlight can only upgrade the firmware from RadioLink, but cannot upgrade the open-source

firmware. The default firmware is for Multicopter.

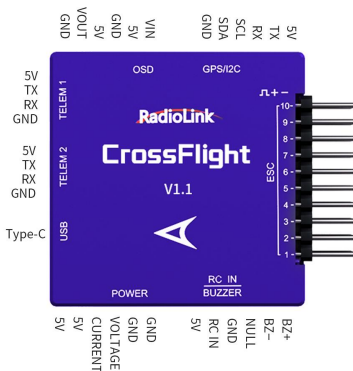
- * CrossFlight can set parameters by RadioLink Mission Planner, ArduPilot Mission Planner, and QGC Mission Planner.

- * CrossFlight can upgrade the firmware by both RadioLink Mission Planner and ArduPilot Mission Planner.

CrossFlight firmware download link:

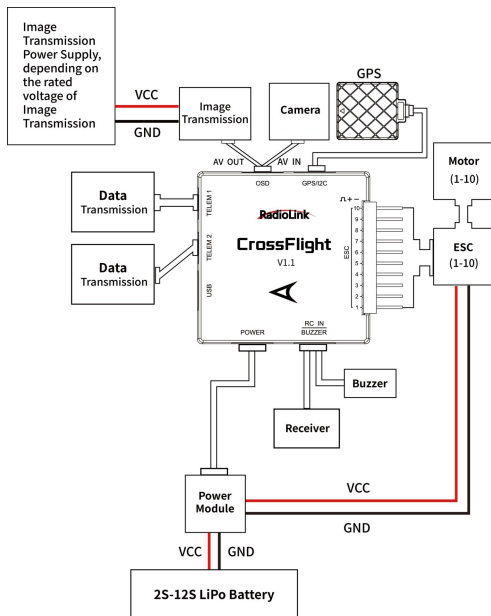
www.radiolink.com/crossflight_firmware

Note: Make sure the power module is insulated from the metal or carbon fiber frame. It is strongly advised NOT to remove the shell of CrossFlight, otherwise the barometer might malfunction.

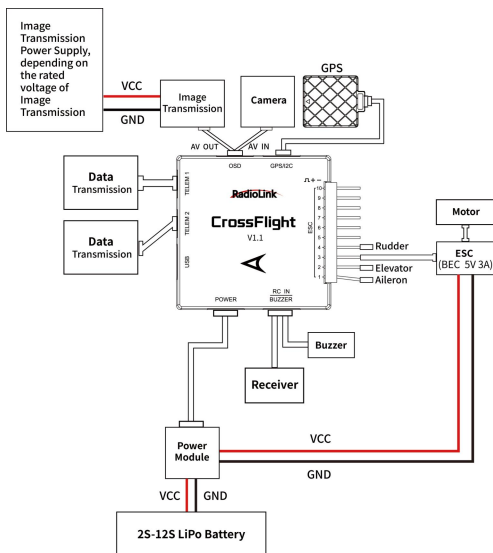


Connection Diagram of CrossFlight to Different Model Types

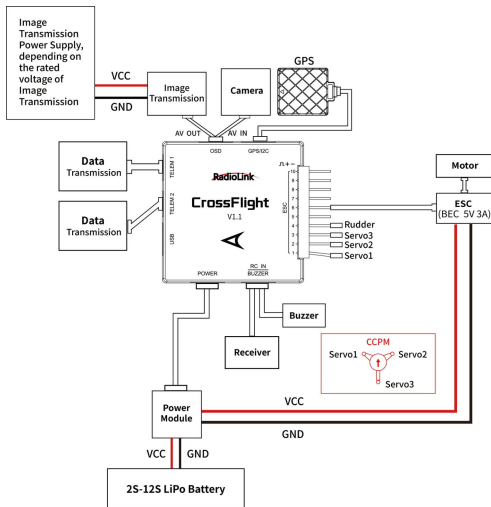
CrossFlight to Multicopter



CrossFlight to Fixed-Wing



CrossFlight to Helicopter



Packing List



CrossFlight x1



Power Module
(Support 2-12S)x1



Buzzer x1



I2C Transfer
Board x1



FC Status
Indicate LED x1



Double-sided
Adhesive Tape x2



4G TF (MicroSD)
Card x1



Buzzer&Receiver
Connect Cable x1



TELEM1&2 Ports
Connect Cable x2



FC Status Indicate
LED Cable x1



I2C Transfer Board
Connect Cable x1



OSD Port
Connect Cable x1



I2C Transfer Board
Connect Cable x1



USB Type-C
Cable x1



Quick Start
Guide x1



Packing Box x1

| Specifications | | |
|-------------------------------|----------------------|--|
| Weight & Dimension | Dimension | 39.7*39.7*13mm (1.56"*1.56"*0.52") |
| | Weight | 16.5g (0.58oz), 54g (1.9oz when all the connect wires included) |
| Hardware | Processor | HC32F4A0PITB |
| Sensor | Gyro & Accelerometer | BMI270 |
| | Compass | VCM5883L |
| | Barometer | LPS22HB |
| | FRAM | Without FRAM, use the internal flash to store parameters, 2617 waypoints for multicopters, and 2623 waypoints for airplanes/ cars/boats. |
| | Buzzer | 1 |
| | Safety Switch | None |
| Connector | Type | JST GH 1.25 Connector |
| | PWM Output | 10 PWM Output |
| | Mavlink UART | 2 (Without CTSRTS) |
| | USB Port | 1 (Type-C) |
| | GPS UART / I2C Port | 1 |
| | RC In Signal Input | PPM/SBUS |
| | RSSI Output | Support |
| | OSD Module | OSD Module integrated |
| | ESC Protocol | PWM, DShot, and OneShot Protocol |

| | | |
|-----------------------------|---|--|
| | DShot / OneShot Protocol | Support, please upgrade the firmware to the latest |
| | RTK | Support |
| | Redevelopment | Support |
| Power Module | Weight | 16g (0.56oz) without wire |
| | Input Voltage | 2-12S |
| | Maximum | 90A |
| | Output Voltage | $5.3V \pm 0.2V$ |
| | Output Current | 2A |
| | Single ESC Maximum Detection Current | 22.5A |
| Adaptable Models | Airplane/2-8 Copters/Helicopter/Car/Boat/Submarine/Radartracker/Robot | |
| Operating Parameters | USB Voltage | $5V \pm 0.3V$ |
| | Servo Voltage | Not applicable |
| | Operating | -30~85°C |