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.

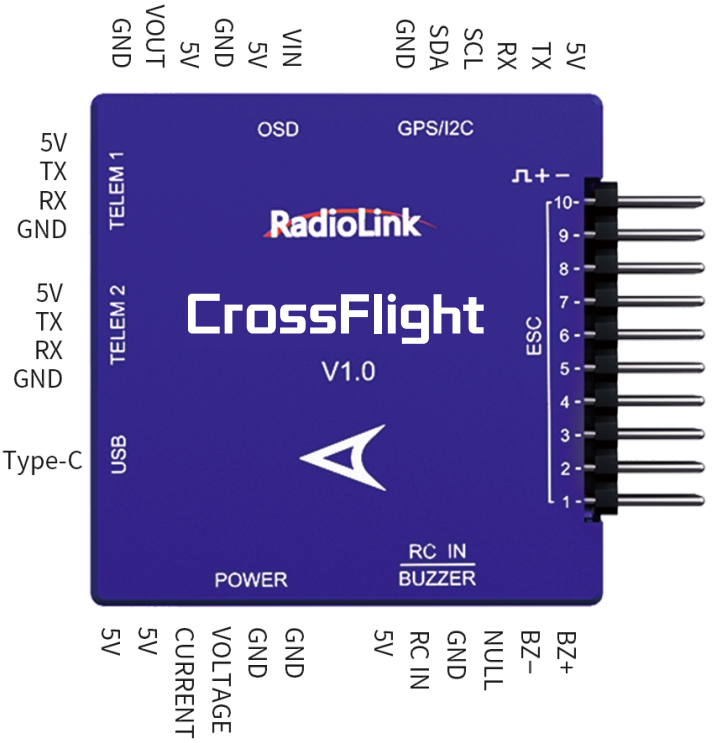
* CrossFlight is daptable to multicopter, airplane, helicopter, car, boat, submarine, radartracker.

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

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

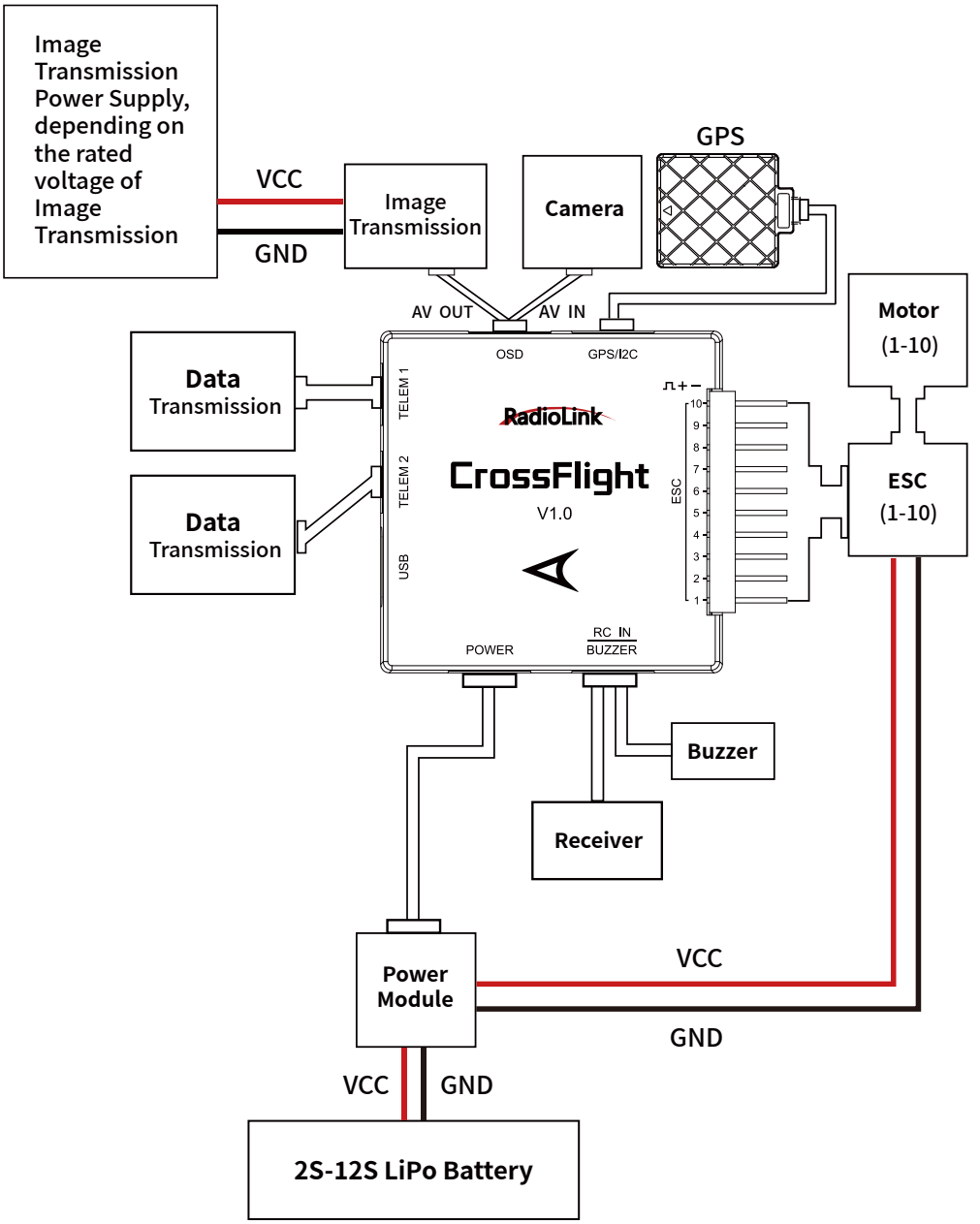
* CrossFlight can only upgrade the firmware from RadioLink, but cannot upgrade open-source firmware. The default firmware of CrossFlight is for multicopter. Download CrossFlight firmware from: www.radiolink.com/crossflight_firmware

Note: Make sure the power module is insulated from the metal frame or the carbon fiber frame. It’ s strongly advised NOT to remove the shell of CrossFlight. Otheriwise the barometer may malfunction.

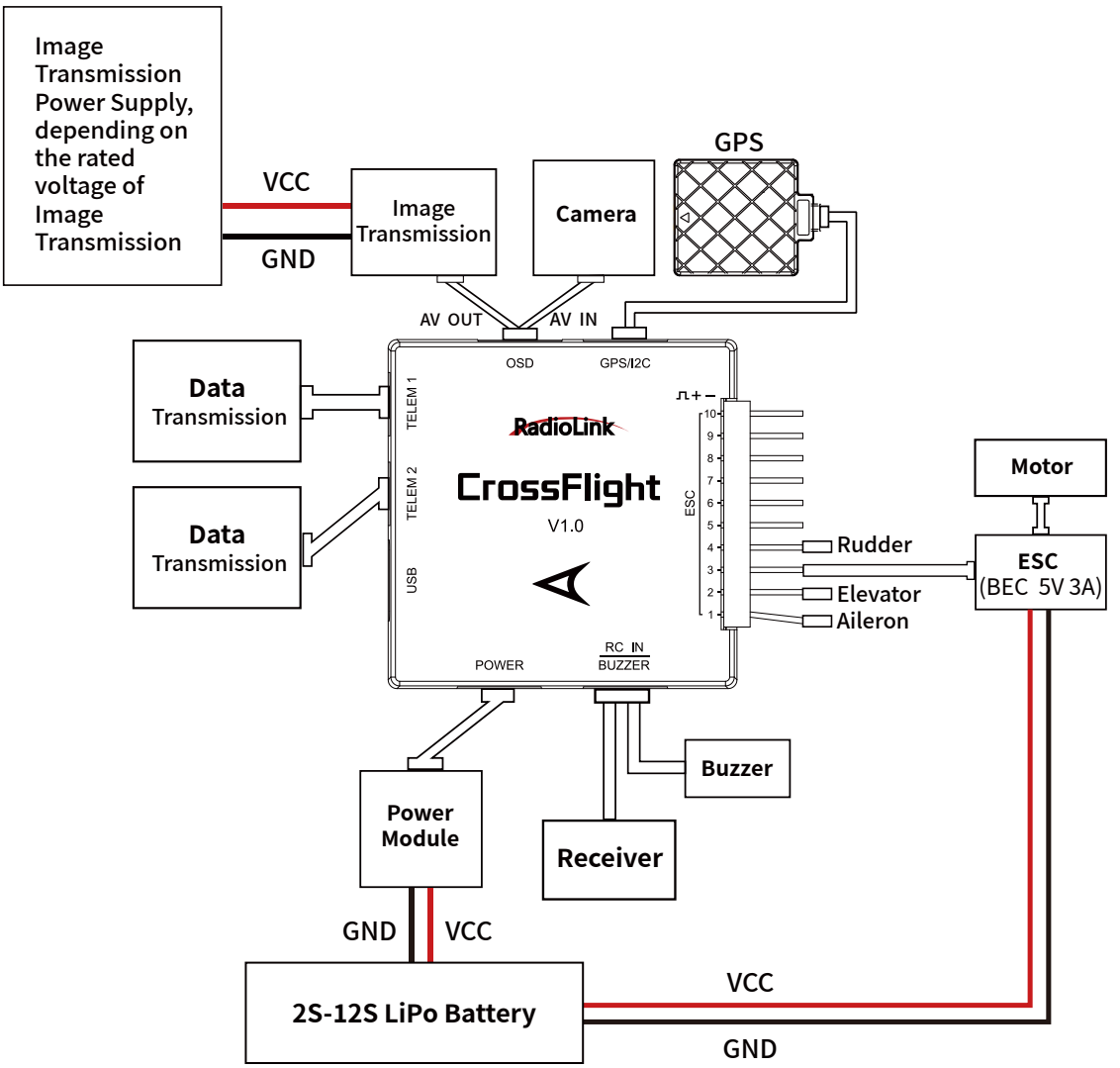


Connection Diagram of CrossFlight to Different Model Types

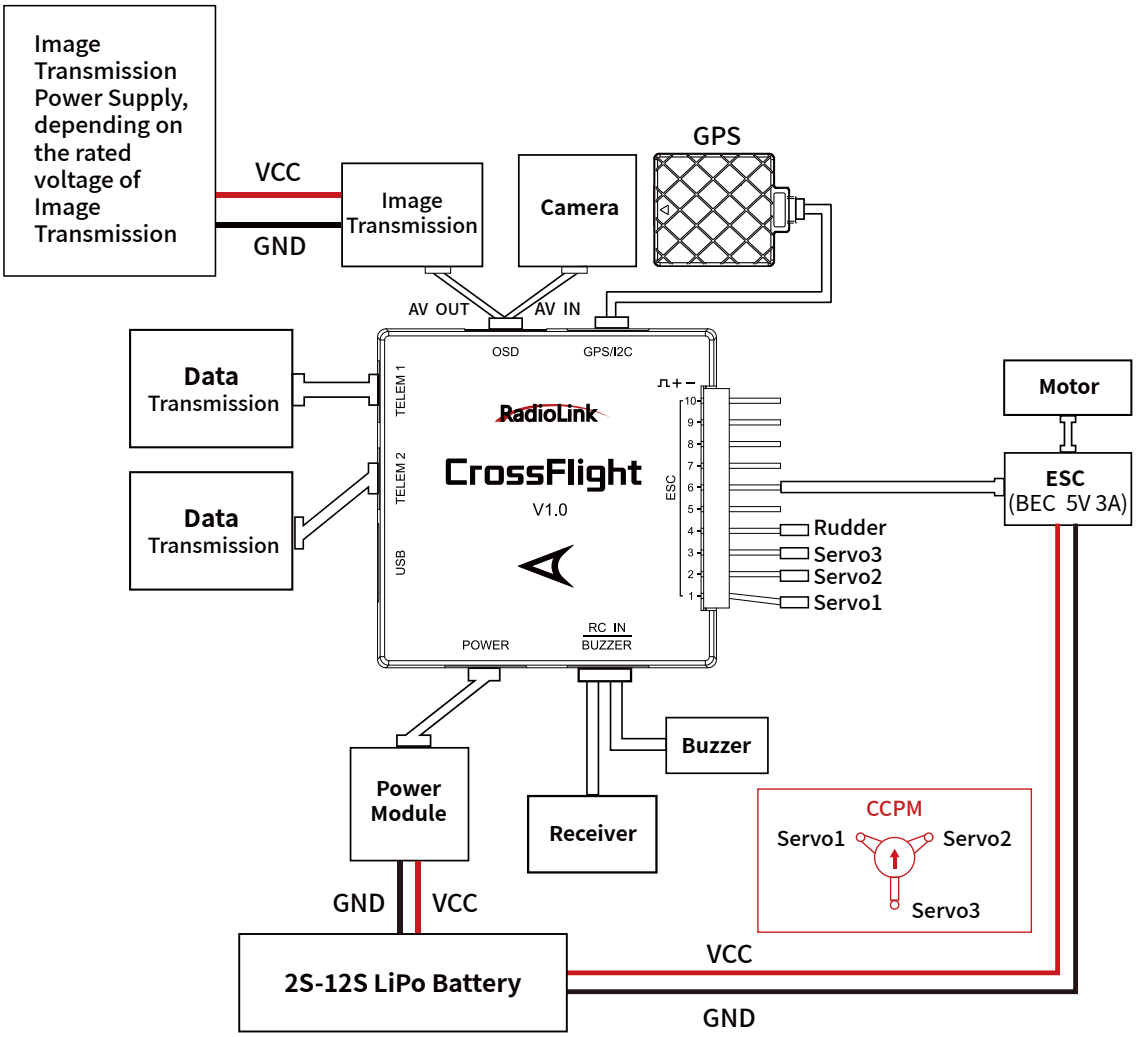
CrossFlight to Multicopter



CrossFlight to Fixed-Wing



CrossFlight to Helicopter



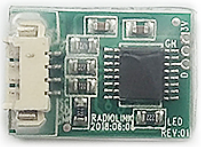
Packing List

CrossFlight x1

Power Module
(Support 2-12S)x1

Buzzer x1

I2C Transfer
Board x1



FC Status
Indicate LED x1

Double-sided
Adhesive Tape x1

Double-sided
Adhesive Tape 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	ICM42670
	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 Specifications	Weight	16g (0.56oz) without wire
	Input Voltage	2-12S
	Maximum Detection Current	90A
	Output Voltage (BEC)	5.3V±0.2V
	Output Current (BEC)	2A
	Single ESC Maximum Detection Current	22.5A
Adaptable Models	Airplane/2-8 Copters/Helicopter/Car/Boat/Submarine/Radartracker	
Operating Parameters	USB Voltage	5V±0.3V
	Servo Voltage	Not applicable
	Operating Temperature	-30~85°C