

# GLOBALFLY manual



**GPS**



**compass**

## SPECIALITIES:

- Supports D-bus Receiver System
- Multiple Control Modes
- Intelligent Fail-safe
- Loiter & Altitude Hold
- Compass
- Accel Calibration
- Failsafe to the return home and landing
- Auto go home & landing
- Easy setup upgrade
- External LED light
- USB upgrade system



GPS HOLD SYSTEM



COMPASS



Auto go home

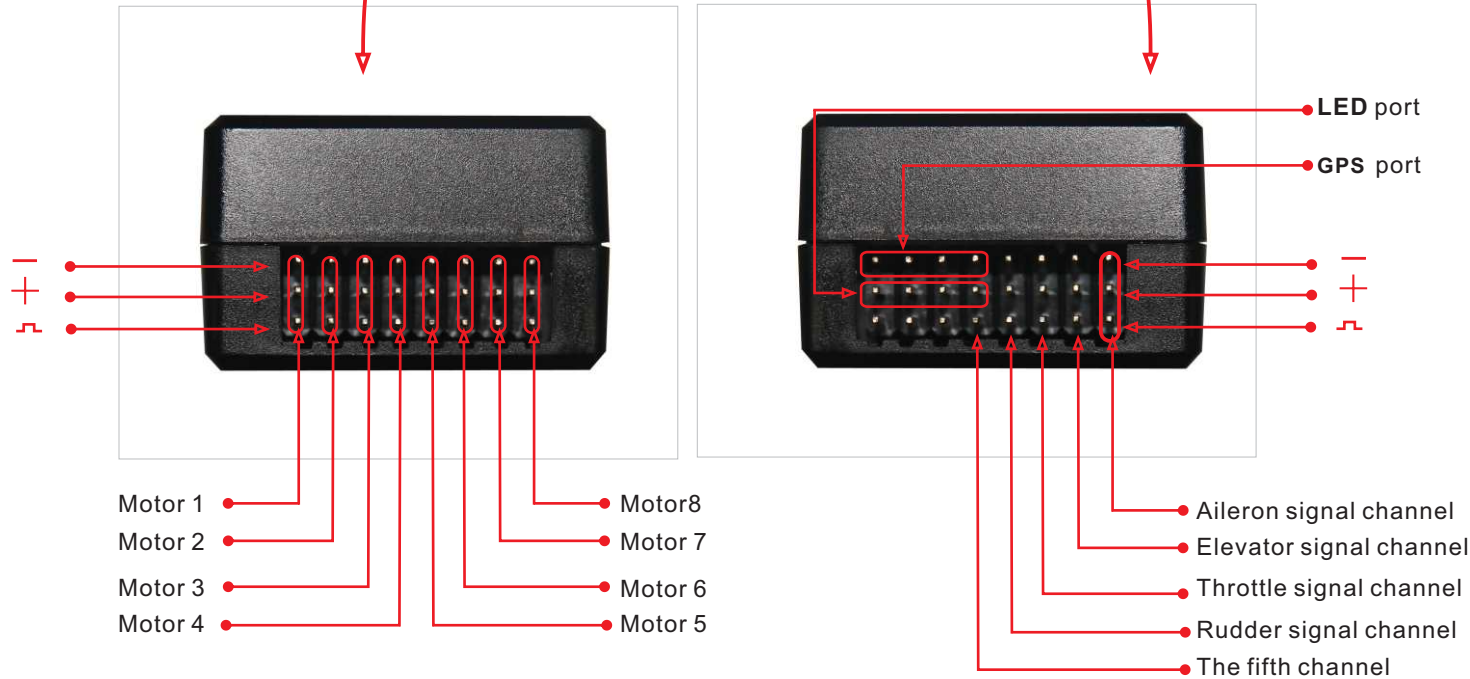
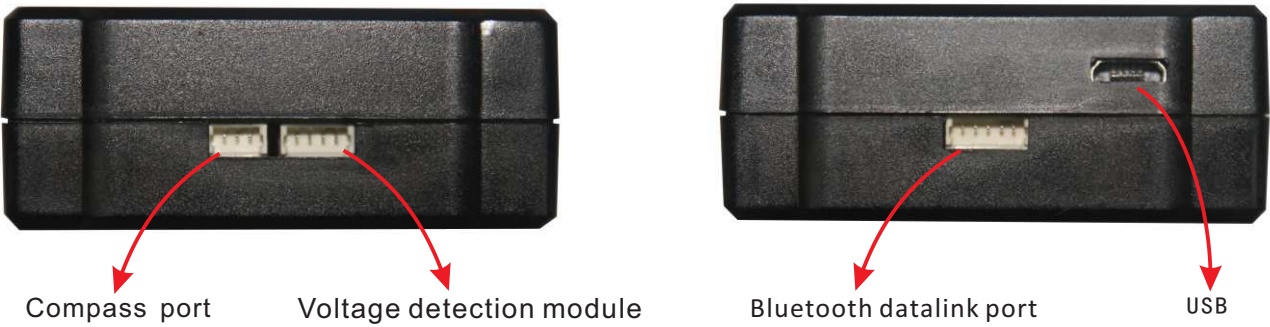


External LED light

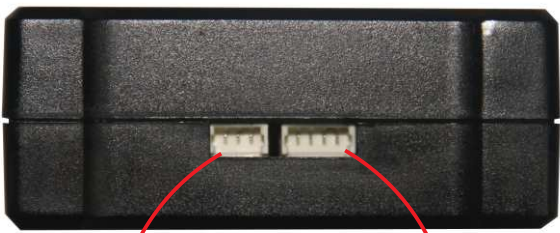


External LED light

Connection for standard receiver



Connection for ppm receiver



Compass port

Voltage detection module



Bluetooth datalink port

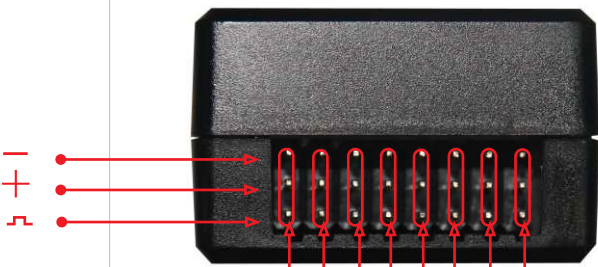
USB

Reset

Rear

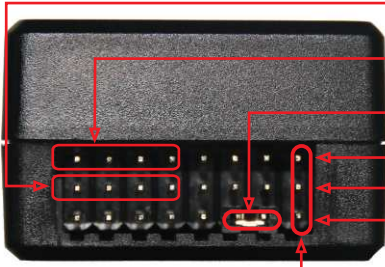


Before

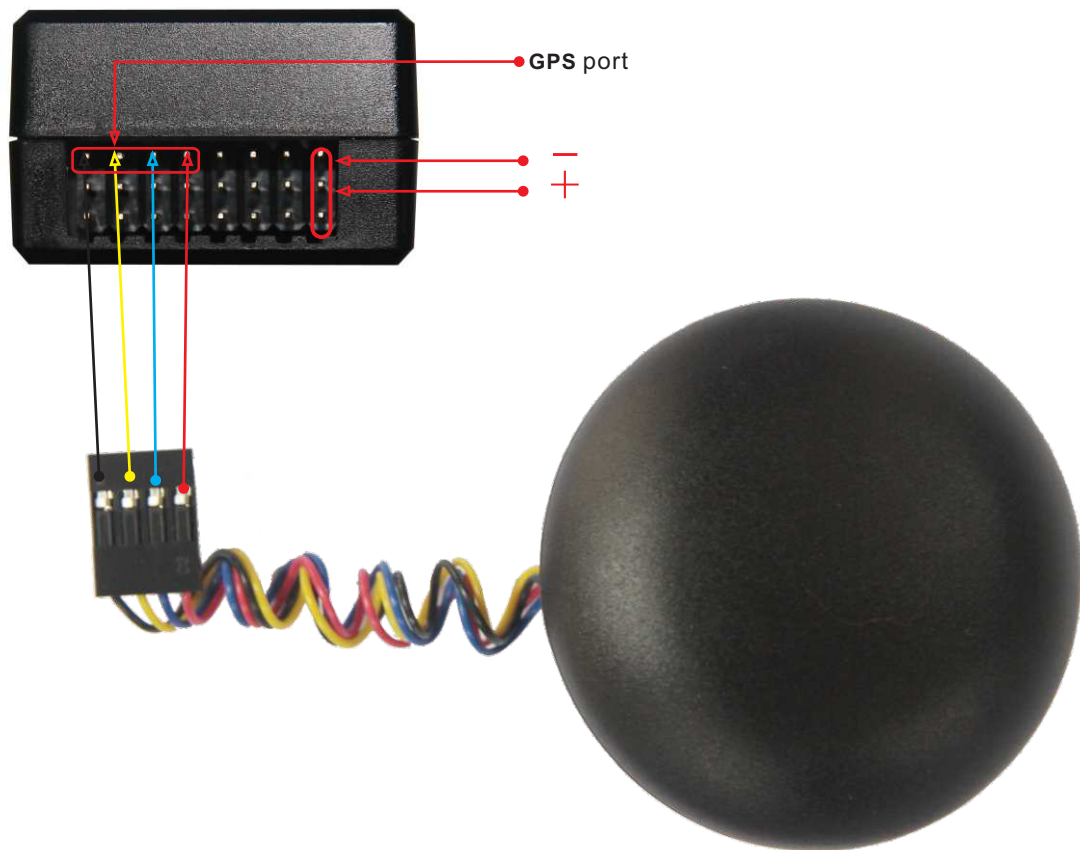
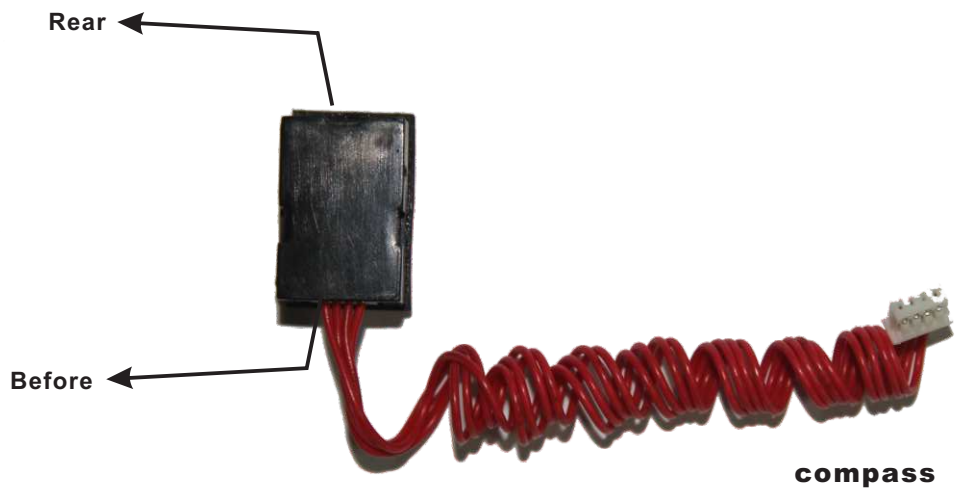


- Motor 1
- Motor 2
- Motor 3
- Motor 4

- Motor 8
- Motor 7
- Motor 6
- Motor 5



- LED port
- GPS port
- Jumper
- PPM single-wire connection

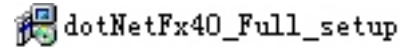






# 1. Download and install mission planner software.

When you install software, if the computer indicate installation error (shown below), please click the Yes button, computer pop up download page, download the program and install it, and then you can continue to install mission planner software.



# 2. Connect controller box to computer via USB cable. And there has driver file on installation file folder of mission planner if necessary.

# 3.Open mission planner software



# 4. Choose the correct port 115200, and then click CONNECT button.



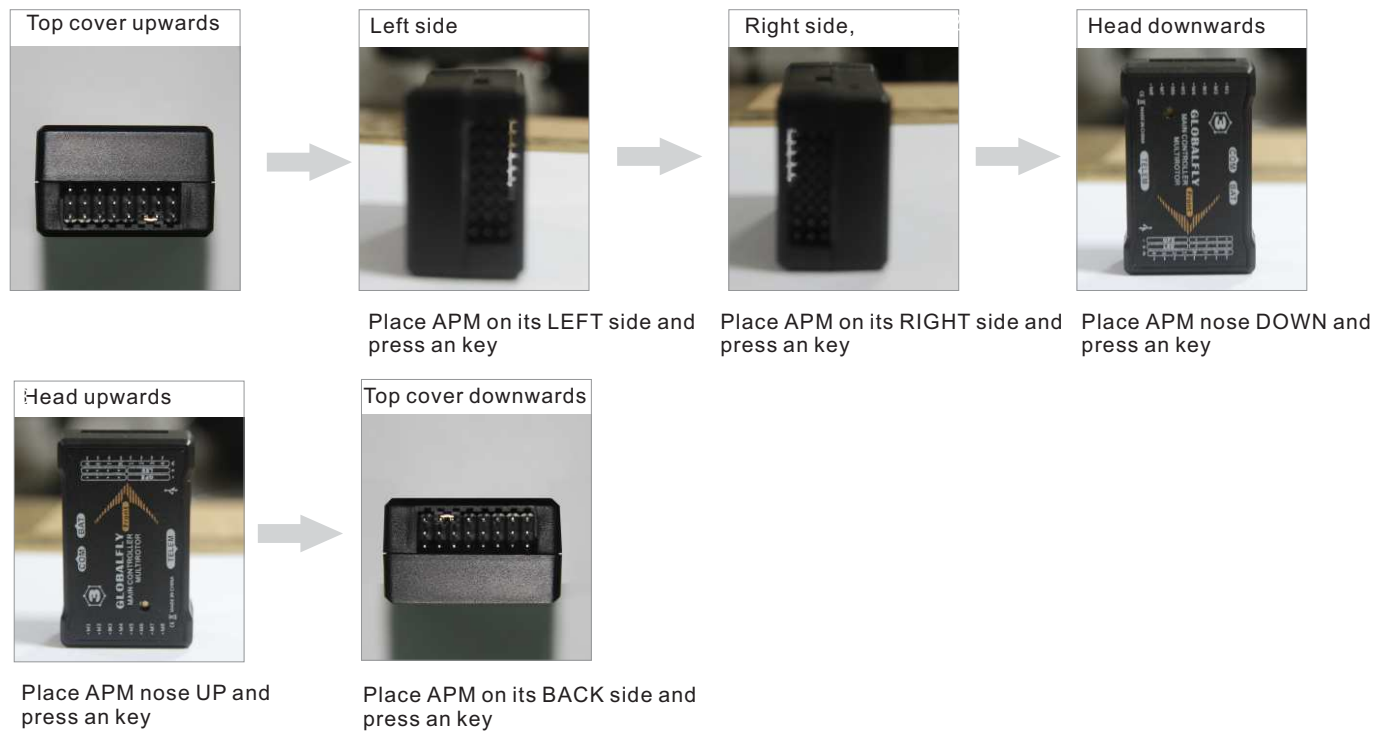
# 5. Mission planner will read the setting information of control box after connection.



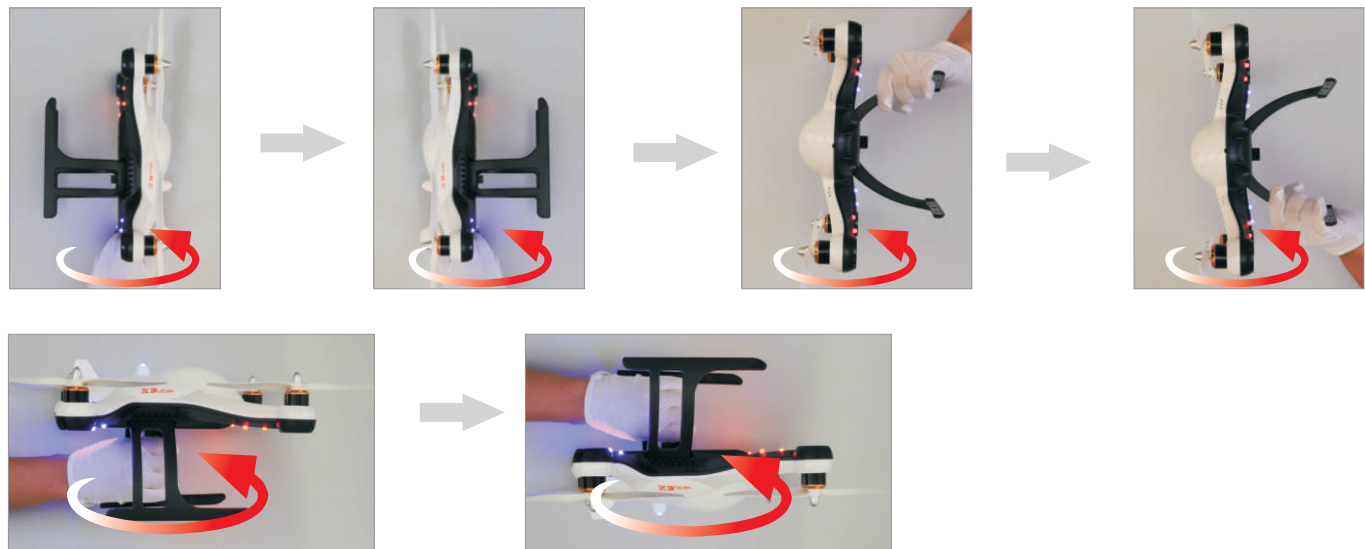
6.Go into initial setup page,Calibrate compass, accelerator and radio. The following steps are detailed process.



a)Calibrate accelerator. According to the software indication, Calibrate all six surfaces of controller box( the left and right sides, front and back, up and down) with pointing to the ground.



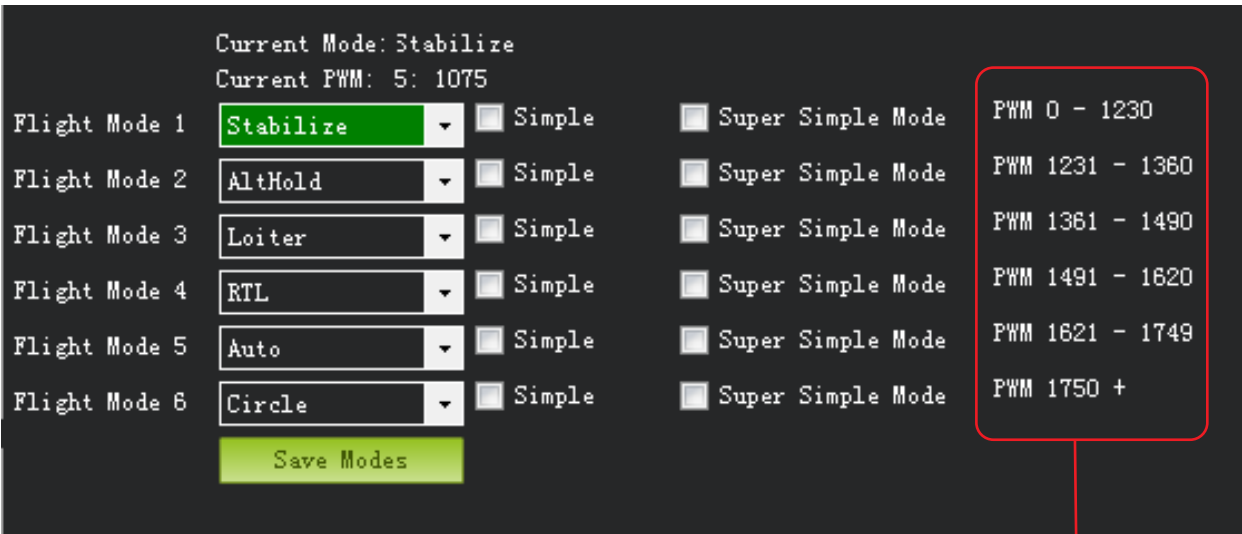
b) Calibrate compass. Each surface facing ground rotate 1-2 circles. Please note that the control box should keep in horizontal position while calibration.



c) Calibrate radio. Controller box can record the setting of MAX, MIN and neutral point of each channel after calibration. Please swing several circles in the MAX volume while calibration. Please note that the positive and reverse direction of radio channel need to be adjusted if necessary.

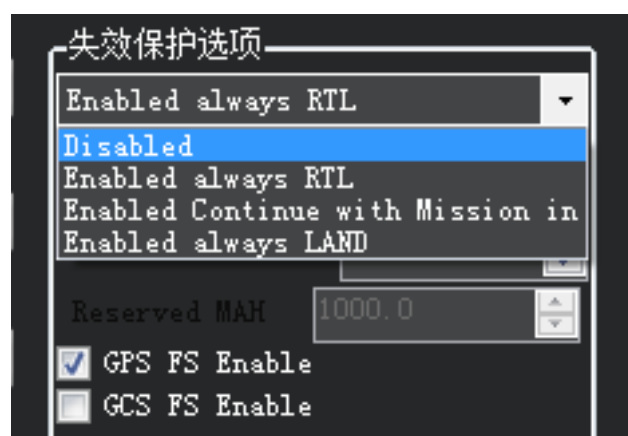


7. Set the fifth channel to control the flight mode switch. The fifth channel can output 6 status by mixing setting with the other channels. The following steps is the sequence of adjusting each flight mode: 1. Stabilize ,2. AltHold ,3. Loiter , 4. RTL ,5. Auto The next status can be safely adjusted after a stable debugging of previous status, and then save data after all settings have been finished.



The data distribution range of the fifth channel.

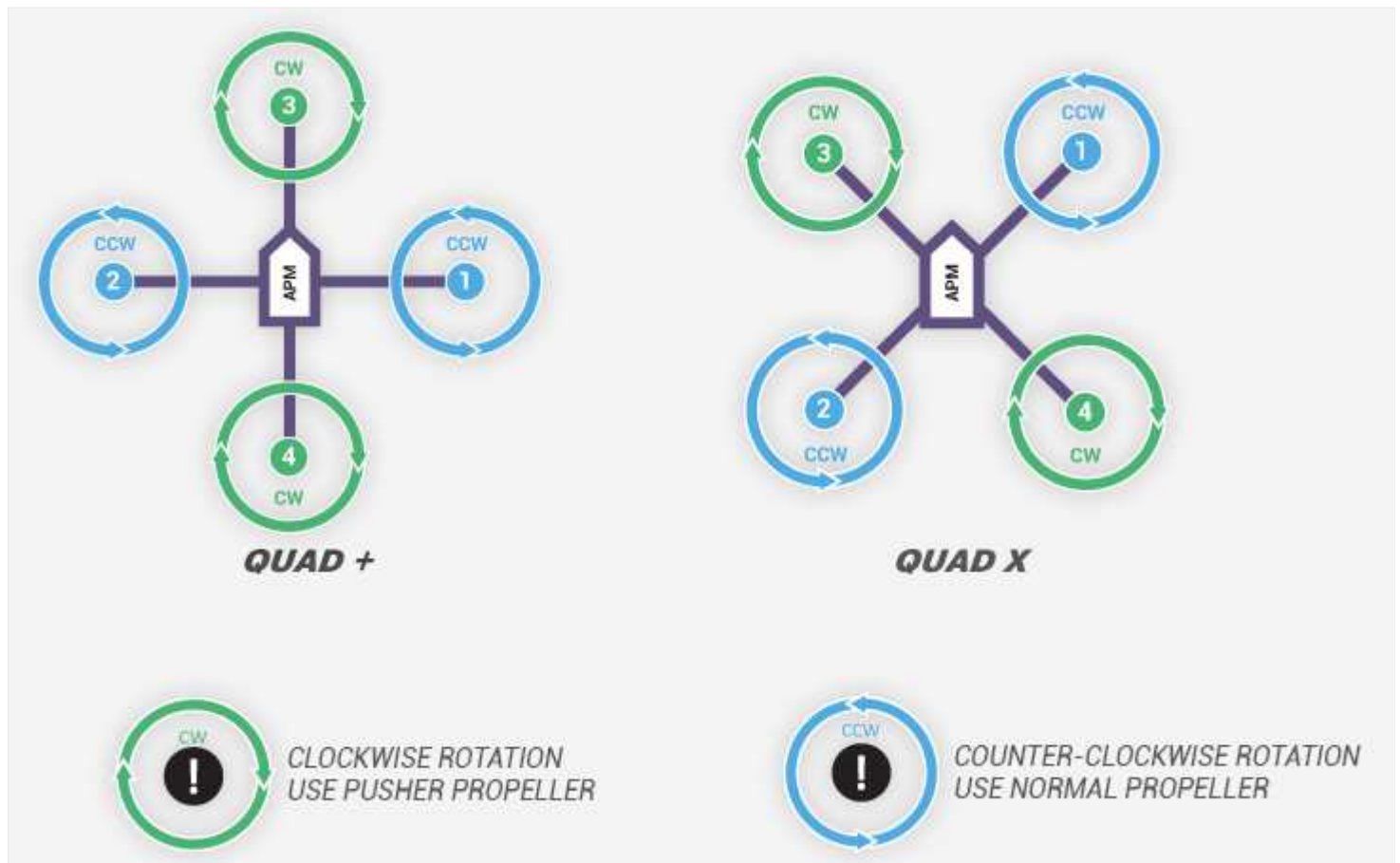
## 8. Failsafe option



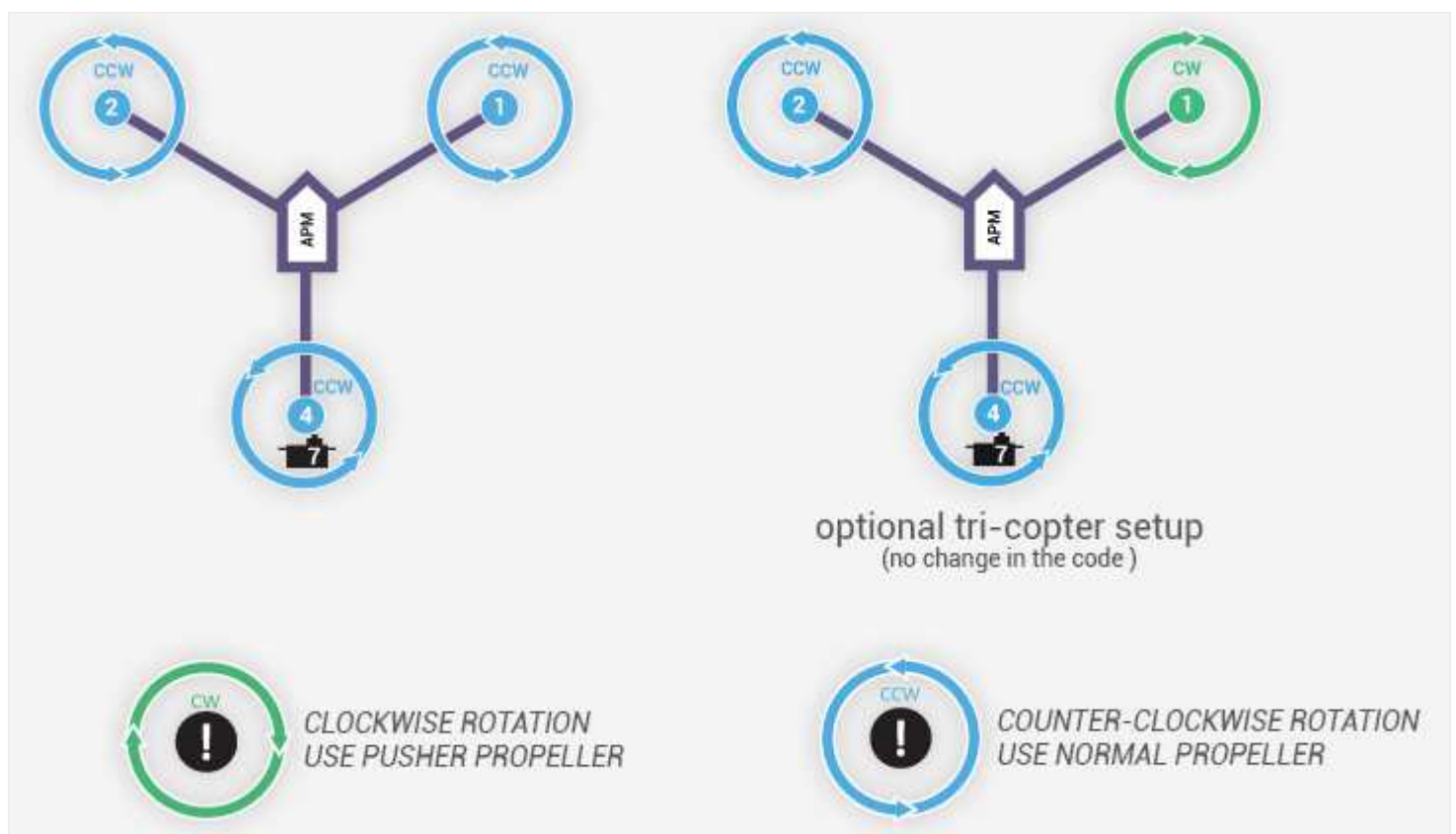


9. Installation of propeller. Please refer to the following pictures for installation with matching the rotation direction of motor.

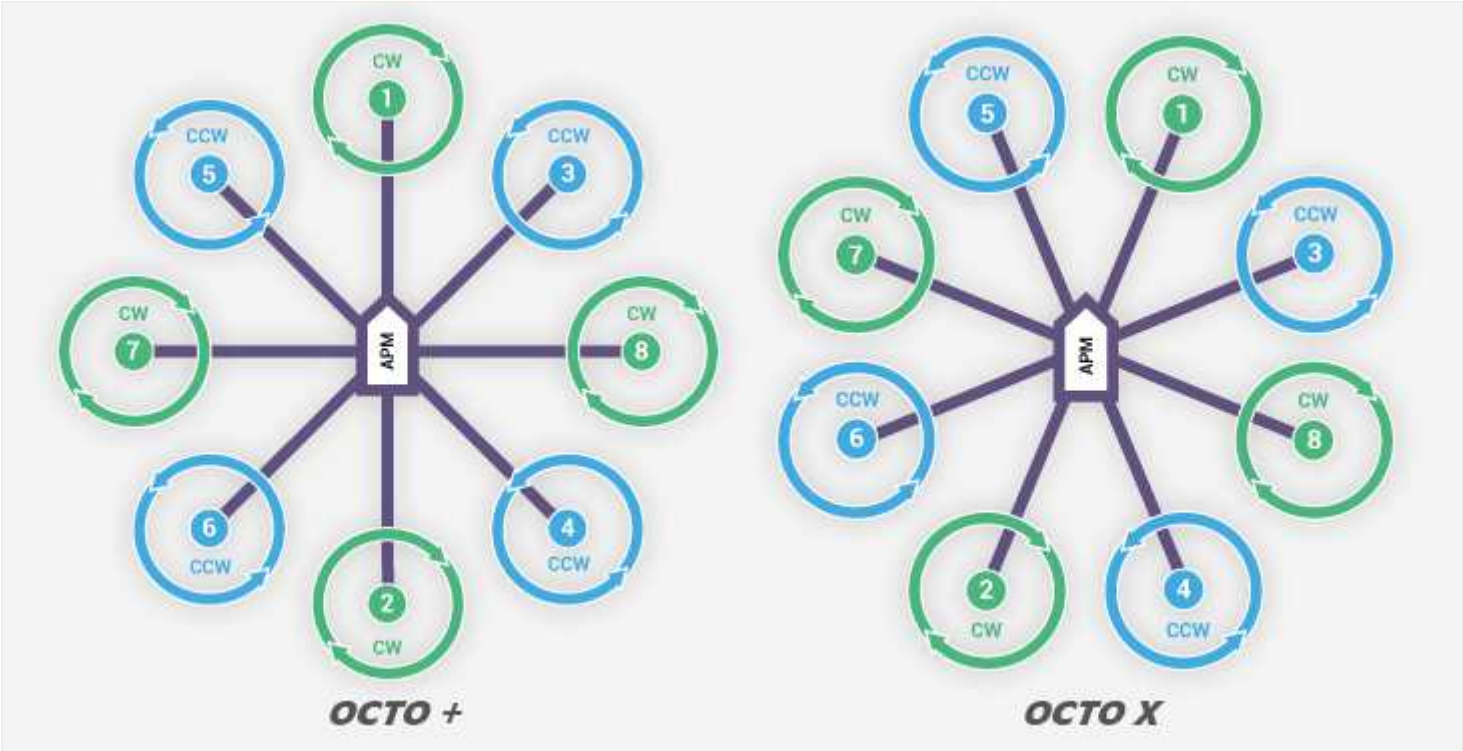
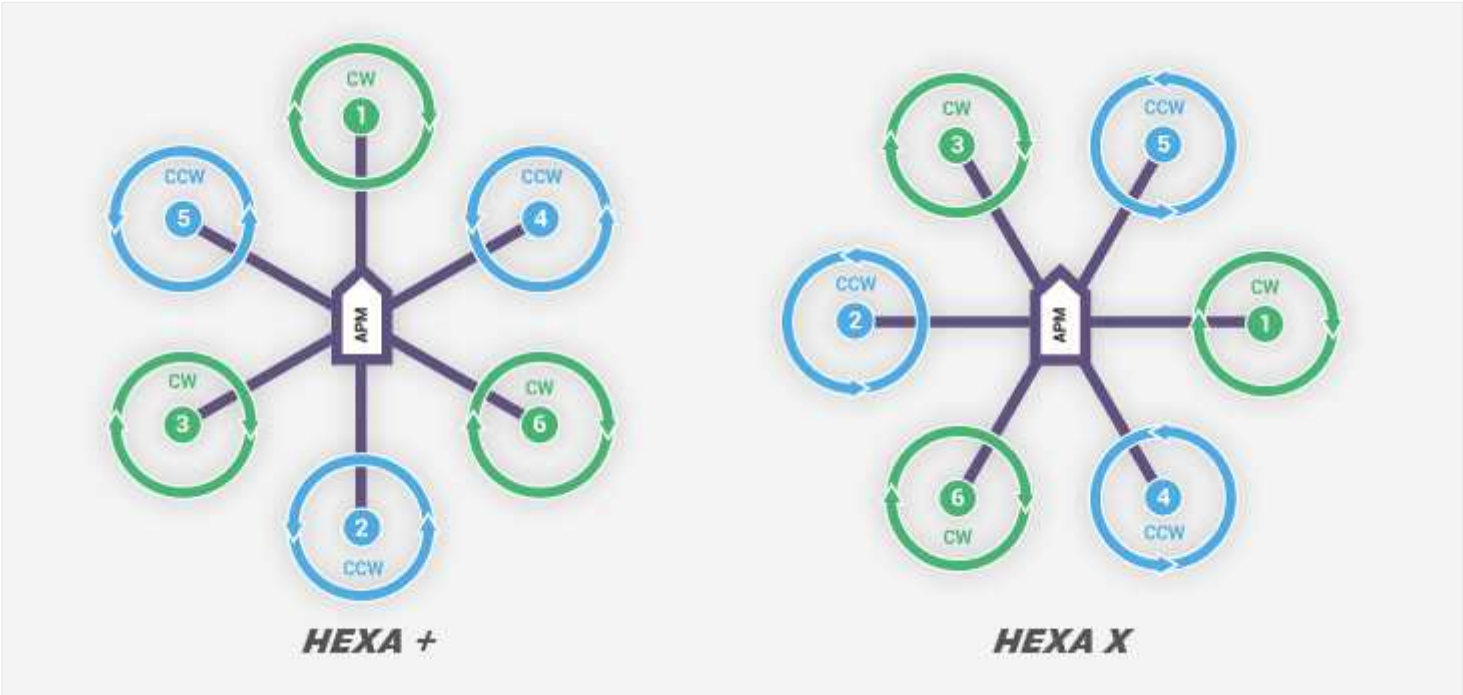
a) Quadcopter

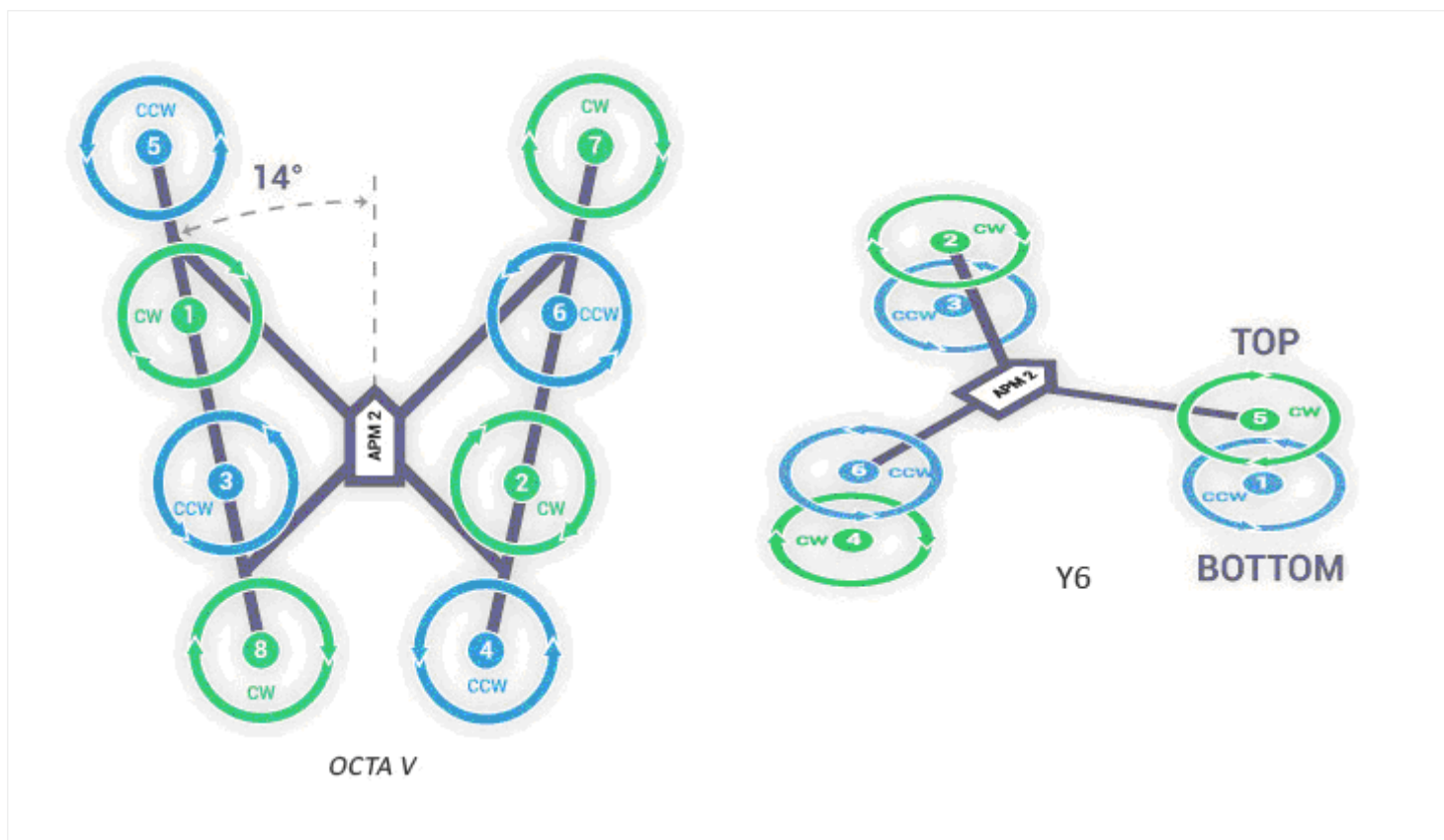


b) Tricopter



c) Hexacopter





Set ESC throttle travel after the setting of motor rotation direction is finished, so that each ESC keep the same throttle travel. This setting can be done with single ESC calibration in turn, and also can use transmitter to calibration all ESC. (For safety, please do not install propeller while doing this action)