

FreeX Quick Setup Guide

Thank you for choosing FreeX as your playmates! Before the flight, we highly recommend reading the following instructions thoroughly.

1. Battery Charging:

Please make sure to fully charge the battery before use or before each flight using only a Li-Po balance charger. You must double check that the batteries are fully charged before flight. Connect the charger to the mains power unit and all three lights should turn green. Connect the battery to the charger and the lights should turn red to indicate the cells are charging. As each cell becomes fully charged (each cell 4.2v, 3 cells should be 12.6v) the corresponding light will turn green until all three lights turn green to indicate the battery is fully charged. You can buy a LI-PO battery voltage detector to check battery voltage.

Warning: Please do not attempt to fly the freeX when the battery shows 11.1v (each cell 3.7v)

2. Three-Axis Magnetic Compass Checking:

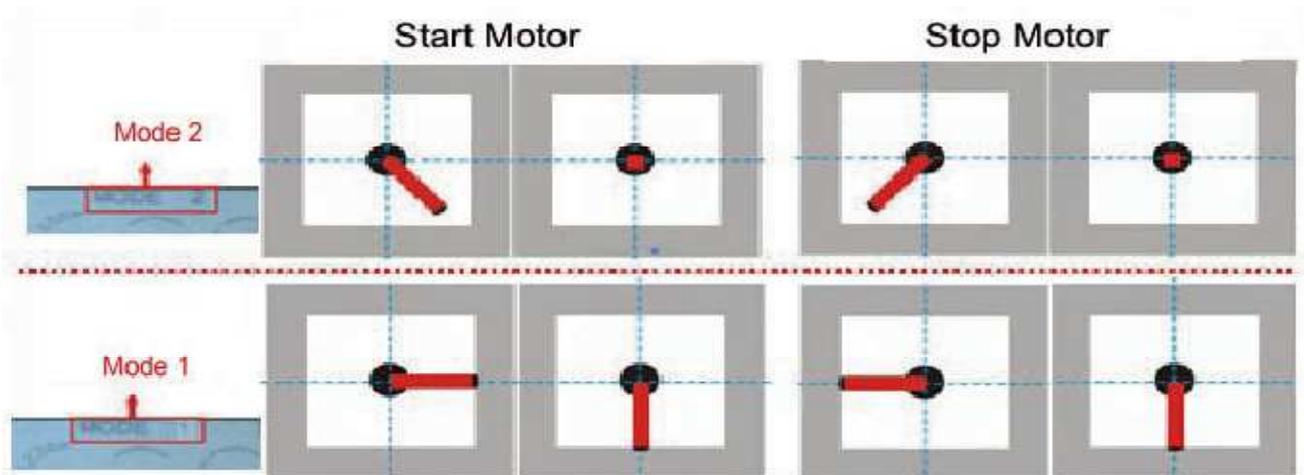
Connect battery to freeX (Please DO NOT install the propellers) and place it flatly, the left red light indicated the freeX self-checking is finished. Now rotate Quadcopter Horizontally 360 degrees, the left blue light will turn on when the compass points to magnetic north and will turn off when compass is not pointing to magnetic north. (Please also make sure that is the right north through their own judgment) You need to do compass calibration if the following happens:

- 1) *Quadcopter can not find the north or points to wrong direction.*
- 2) *The blue light won't turn off when compass is not pointing to magnetic north (You can find the compass calibration steps in FreeX Manual)*

3. Arm and Disarm Practice

Do not install the propeller (for novice first practice, skip this step when you really understand), please switch the IOC (intelligent

Orientation Control) to Altitude, GPS to OFF and Failure Control to Back Home, then perform the following arm and disarm practicing



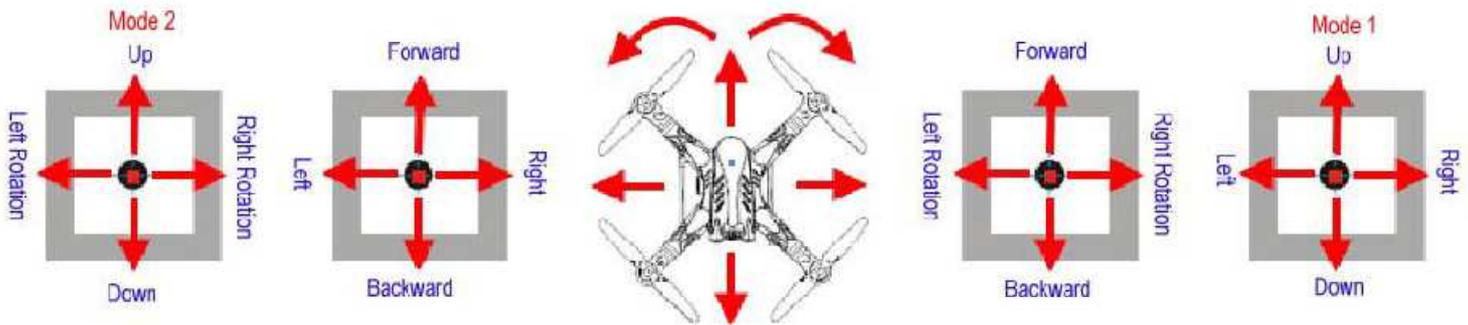
(Note: Mode 1 and Mode 2 are different).

4. Outdoor GPS Signal Check:

FreeX has two lights on the rear. The right side green light will show if you have GPS signals locked or not. If the right side Green light is solid, you have GPS signals but not all satellites are locked. Wait until green light is blinking. Now you are ready to fly as all satellites are locked. (If the green light off after taking off it means no GPS signal or magnetic-field interference, the Positioning and Back Home functions can not be used, we recommend not flying)



5. How to Play (please do not install the battery, hand the remote control, simulation exercises each action)

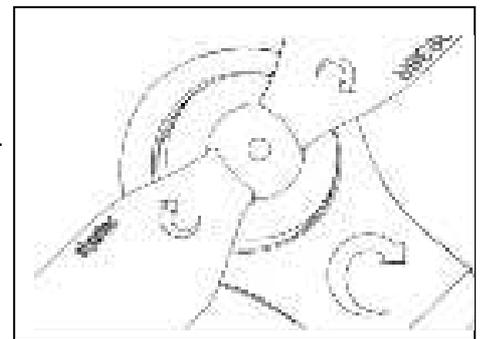


6. Disarm motors and take off: (Refer to Step 3 and install the propellers)

Keeping the quadcopter at a safe distance from anything it may damage should the operator become disorientated and loose control (5-10m), disarm motors and central the radio sticks, push throttle stick up slowly to take off (The motors will be shut off automatically if the FreeX doesn't take off after disarmed the motors in 10 seconds), after 1-2m height turn on the GPS to check if the Quadcopter hold its position, if not, please land it and check. For beginners, better not to install the gimbal and camera during the practice and flight distance less than 20m, flight time less than 8 minutes.

Propellers Installation

The rotation of the propellers must be in line with the direction of the motor rotation.
 Opposite direction to tight, and same direction to loose



7. Important Notice:

- 1) Please pay attention the flight time, landing the Quadcopter before the battery over-discharged.
- 2) Please choose absolutely safe and legitimate fly field.
- 3) Failure to carry out proper preflight setup may result in injuries, damage to property or people for which we assume no responsibility.