

10 Safety Inspection Before Flying

- Make sure to check the remaining battery charge level of the 5th batteries in the remote controller before flying. The lithium-polymer battery installed in the rear part of the aircraft shall be charged
- When turning on the power of the remote controller, put the throttle to a minimum; otherwise, the safety structure of the aircraft will be affected, and the aircraft will not respond.
- The aircraft can not fly normally in case of blade deformation. If there is any deformation or damage, replace the blades before flying.
- Check the connection between the receiver connector in the rear part of the aircraft and the battery connector. If the connection becomes loose, the battery may be disconnected during flying, resulting in an accident. Please be careful.

11. Start Flying

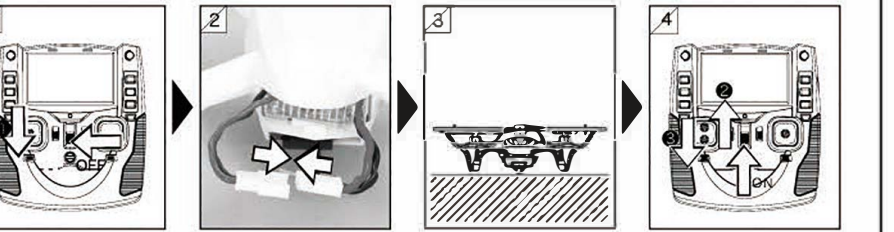
You must pair the aircraft with the remote controller before flying, and this is called binding. Please operate correctly according to the following steps.

① Make sure the power supply of the remote controller is turned off, and then pull the throttle lever to the lowest position (Figure 1).

② Connect the aircraft with the lithium battery, and place the battery in the battery compartment.

③ Put the aircraft on a level surface.

④ Turn on the power and push the throttle lever to the highest position (100%) (Figure 2). When the LED light of the aircraft changes from the flashing state to the illumination state, you can start flying the aircraft.



- Charge the lithium battery of the aircraft before binding.
- Check whether the aircraft is damaged and whether the four blades are missing or deformed.
- Be careful not to move the aircraft during binding.
- If the LED light blinks during flying, it indicates that the lithium battery is running out of power. Please stop flying as soon as possible and charge the battery.
- Make sure to remove the lithium battery after flying, because the battery will discharge even if the power is turned off, please pay attention to it.

12. Balance Adjustment

Balance adjustment refers to that the fine adjustment buttons can be used to slightly adjust the forward/backward/left/right movement when the aircraft rises into the air and the joystick is not operated. As the aircraft can not be adjusted correctly on the ground, balance adjustment must be carried out when the aircraft rises to at least 50cm in height.

Key points for balance adjustment

A height of at least 50 cm

Forward/backward movement of the aircraft	1. For backward movement, toggle up the ascending/descending button. 2. For forward movement, toggle down the ascending/descending button
Left/right flying of the aircraft	1. For right movement, toggle the button to the left. 2. For left movement, toggle the button to the right
Rotation of the aircraft	1. For right rotation, toggle the button to the left. 2. For left rotation, toggle the button to the right

13. Flying in Carefree Mode

Press the switch beside the joystick on the left side of the transmitter to switch to the Carefree mode.

Carefree mode

Once the Carefree mode switch is pressed, the movement will become unrelated to the direction of the aircraft, and the forward/backward/left/right movement will be fixed. Different from the normal operating method, regardless of the direction the aircraft faces, the aircraft will move left/right when the left/right button of the joystick is operated, and the aircraft will move forward/backward when the forward/backward button of the joystick is operated. When moving forward the aircraft in the Carefree mode, please be sure the aircraft flies with its head facing forward. When the Carefree mode is turned on, press the Carefree mode switch again to switch to the normal operation mode.

Flying when the aircraft head faces forward

First, it should be noted that the description in "12. Skillful flying" is intended for skillful operators. You can try high-speed mode when you have a full grasp of the basic flying skills.

14. Replacement of Blade and Motor

The blades and motors shall be installed in the correct positions; otherwise, the aircraft may not fly normally. Please install them in the correct positions according to the following description.

Blade replacement method

When installing the blades, refer to the blade installation drawing, and install them in the correct positions.

1. Use the accompanying special tool for the blades, and remove the blades according to the principle of leverage.

2. Remove the blades from above.

3. Refer to the right drawing, and insert the blades firmly in the correct positions.

Motor replacement method

There are two types of motor, and you can distinguish the motors by their wiring colors. Left: The motors have black and white wires or blue and red wires, and must be installed in the correct positions.

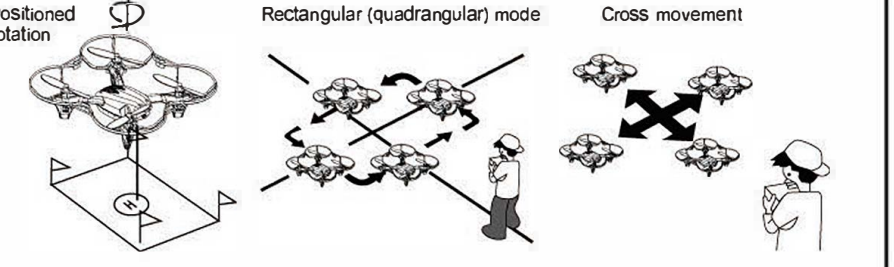
When replacing the motors, you need to remove the aircraft cover. Use a screwdriver to remove all screws that fixing the aircraft cover.

Motor A: positive rotation (blue, red wires)
Motor B: reverse rotation (black, white wires)

15. Flying Practice

This product is equipped with a 6-axis gyroscope sensor, but different from the automatic return aircraft equipped with GPS, it can not hover in the air automatically. To keep its hovering state, you must keep adjusting the position of the aircraft with the joystick.

To better grasp the operation of this product, we recommend practicing with the method described in the following figures.



⚠ Precautions for operation

※ Crash will occur if you suddenly turn off the throttle during flying.

※ Keep at least 1 m in height during flying.

※ Be careful not to hit furniture and other obstructions.

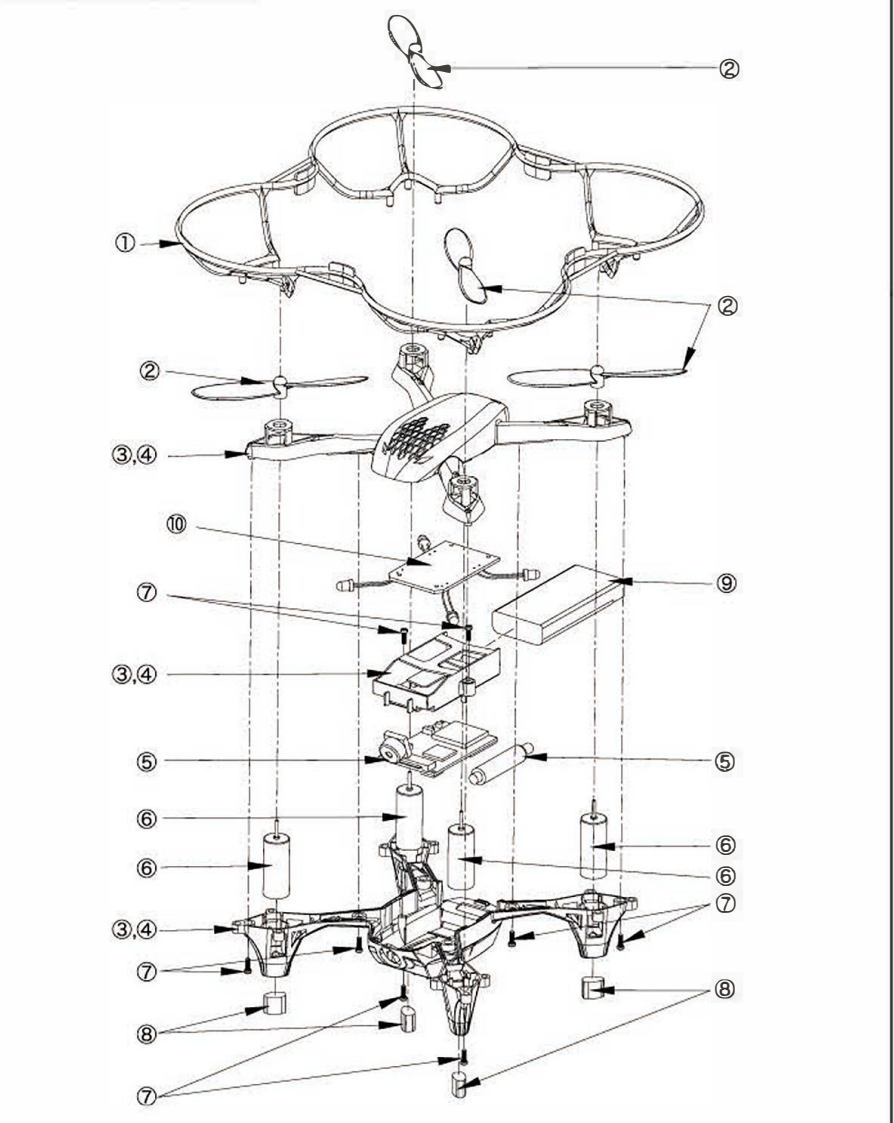
This device complies with part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

17. Exploded View

F807 FPV Exploded View



17. FAQ

- Q1. Why does the aircraft have no response after connection with the lithium battery?
- A1. Check whether the battery connector of the aircraft receiver is connected with the lithium battery connector properly.
- A2. Whether the lithium battery is properly recharged? Purchase a new lithium battery and try again.
- Q2. Why does the aircraft have no response after a crash or collision?
- A1. Once the battery is disconnected from the aircraft, it is necessary to put the throttle to a minimum. Then, re-connect the battery and try again.
- A2. As the aircraft circuit board is a precision component, it may be damaged under a strong impact.
- Q3. In the absence of any problems, why does the flight become unstable suddenly?
- A1. Lithium battery aging will lead to short-time unstable flight. In this case, you are recommended to change the battery, and then have a try. If it still does not work, please refer to A2.
- A2. Check whether the blades are deformed or damaged. Even if there is no problem, put down the aircraft, then use the method "15. Reset the gyroscope", and have a try.
- Q4. Why does the aircraft vibrate during flight?
- A1. Aircraft vibration is related to damage or deformation of the blades, and the corresponding parts shall be replaced in this case.
- Q5. Why can not the aircraft take off after change of the blades?
- A1. The blades may be installed reversely. Refer to "13. Replacement of blade and motor", and re-install the blades correctly.
- Q6. Can the aircraft fly with only one motor?
- A1. As the motors wear and tear slowly in each flight, replacement is required after a certain period of time. For more details about replacement of the motors, please refer to "13. Replacement of blade and motor".
- Q7. Can the aircraft be controlled with other remote controllers?
- A1. This product is provided with a dedicated remote controller, and it can not be controlled with other remote controllers.