

F807

INSTRUCTION MANUAL

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F807 INSTRUCTION MANUAL

Foreword

Thank you for purchasing our F807 .

This product has an embedded camera which uses 2.4GHz band to transmit data, and the videos and pictures captured overhead can be transmitted and displayed on the remote controller's LCD display in a real-time manner through the FPV system. The videos and pictures captured by the camera can be saved in the attached micro SD (memory card). In addition, because it is equipped with a 6-axis gyroscope and acceleration sensor, its hovering performance is stable. No matter which direction the aircraft faces, head-free mobile positioning mode can be carried out from the direction that the operator can see. As an entry-level aerial photography device, this product is a composite helicopter known for its high performance.

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1. Safety Precautions (Be Sure to Follow)

⚠ Warning

This product contains small parts, and there is a choking hazard in case of ingestion. Please keep it out of the reach of children under 3 years of age.

⚠ Notice

The precautions mentioned here are used to ensure safe use of this product, and avoid any unnecessary damage or harm, so be sure to follow.

- This product is not a toy, and children under 14 years of age are not allowed to use this product. Please keep this product properly and place it out of the reach of children.
- Do not use this product if children under the specified age are present.
- This product is recommended for indoor flying, and it may be affected by the wind and can not run properly outdoors.
- When you fly the aircraft outdoors, please keep away from high-voltage lines, public facilities, airports, roads, railways and similar facilities as well as crowds and buildings.
- The blades are very dangerous at the time of high-speed rotation, and prevent the rotating blades from contact with your face and hands when you fly the aircraft. In particular, avoid contact with your eyes; otherwise, blindness may occur.
- When you use this product near fire or in hot and humid places, please do not charge and storage it in such places.
- Before flying, make sure to check whether the screws are loose and whether the parts are damaged or fall off. If you neglect such inspection, the worst case is that the parts may fall off in flight, which is very dangerous. After flying, be sure to check whether the parts are damaged or fall off.

2. (Important) About Lithium Battery



This product uses a small high-performance lithium battery, and it can be very dangerous in case of improper operation, which may cause fires and major accidents. Please read this instruction manual carefully, and you should operate the battery based on the correct knowledge.

1. Precautions for operation

- As lithium battery is a relatively new type of battery, be sure to use it based on the correct knowledge. Observe the precautions, and ensure proper and safe use.
- Overcharging may cause a fire, so please prepare fire extinguishers and other fire equipment in advance.
- Please be sure to use the dedicated charger supplied with this product.
- Except for discharge in the case of operation of the aircraft, please do not discharge the battery under other circumstances.
- This product uses a rechargeable lithium polymer battery dedicated for model aircrafts, which can not be used for other purposes.
- If there is distortion, odor, discoloration or any other abnormal condition, do not use it.
- Never disassemble or alter the battery.
- The product will not work properly in case of excessive discharge of the battery, so please be careful not to over-discharge the battery. Also, repeated slight over-discharge will cause damage to the battery gradually, and the product will also not work properly in case of battery charging or discharging for a very short time.
- Lithium battery is a consumable, which does not fall within the scope of replacement or return.

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2. Precautions during charging

- Please do not go away during charging, and immediately unplug the USB cable to stop charging in case of any abnormal condition.
- In case of battery swelling during charging, abnormal overheating may occur. Never touch the battery at this moment, and unplug the USB cable to stop charging. Continuous charging may cause cracking. After unplugging the USB cable, check the battery inside the battery charger in a safe place.
- As the polymer battery has no memory effect, charging can be continued even if the battery is not fully discharged.
- The charger indicator will become red after the battery is fully charged. At this time, the battery will discharge slowly if the battery connector maintains contact with the charger connector, so you need to unplug the USB charging cable as soon as possible. If connection between the USB charger and the battery is maintained, excessive discharge will occur, and the battery will not work, so pay attention to this point.

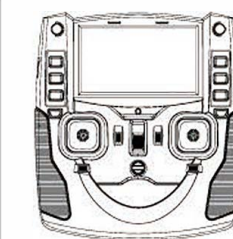
3. Precaution during flying

- In case of falling or collision, the battery may swell or even catch fire due to strong impact. At this time, put the battery in a place without inflammables temporarily to confirm safety.

4. Precautions for storage of the battery

- The storage temperature of the lithium battery should be maintained within the range of 10-45°C. The optimum temperature for performance aging resistance is 25°C.
- If the battery is placed in the car or near the window of the room, spontaneous combustion may occur due to exposure to direct sunlight and temperature rise. Please do not put the battery in such places.
- If the battery will not be used in more than two weeks, please fully charge the battery, then fly the aircraft for about 2 minutes, and store it when 50%-70% charge level of the battery is left.

3. Packing List

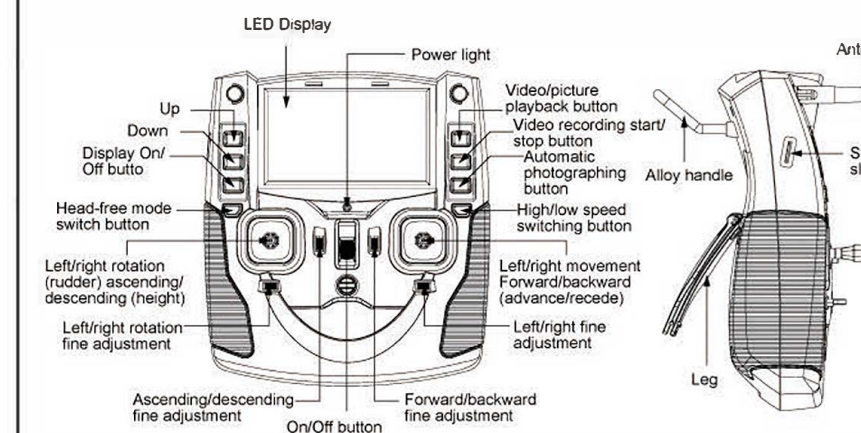


<Contents>

- F807 aircraft
- 2.4GHz transmitter
- Dedicated lithium battery
- USB charger
- Replacement blades
- USB Card Reader
- Sunshield
- Special tool for blades
- Instruction manual

※ Four 5th dry batteries for the transmitter need to be purchased separately.

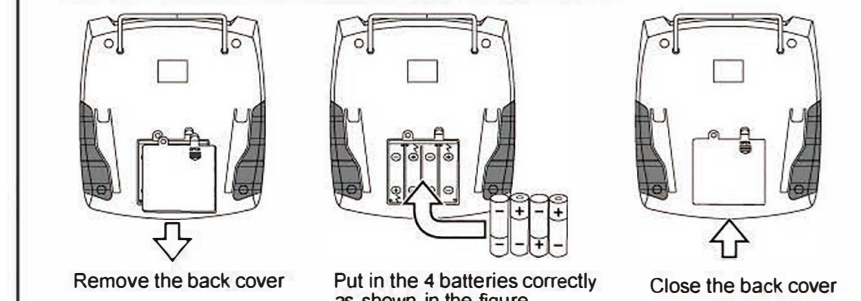
4. Names of Parts



5. Preparation of Remote Controller and Charging of Lithium Battery

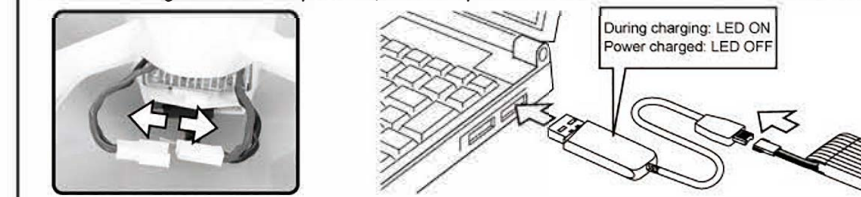
Battery installation in the remote controller

The remote controller needs 4 5th batteries (purchased separately by the user), which shall be installed correctly according to the figures below.



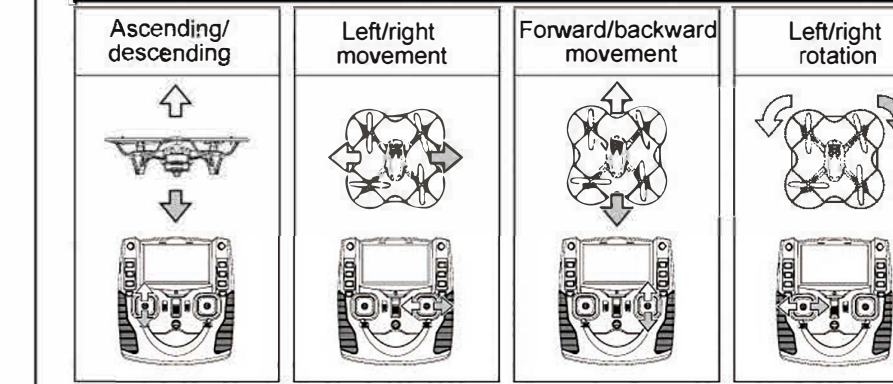
Lithium battery charging method

Always charge the lithium battery before flying. First, remove the battery from the aircraft. Then, connect the USB cable with a computer's USB port, and connect the lithium battery connector with the USB charger connector. It indicates charging when the USB cable light is on. After charging, the red light of the USB cable will be off. Then disconnect the lithium battery from the USB charger as soon as possible, and also pull out the USB cable connected with the computer.



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6. Method of Operation



7. Skillful Flying

After changing the manipulation sensitivity, the joystick operation amount of the remote controller will also change. Beginners should reduce the amount of operation to avoid significant swaying of the aircraft. The manipulation sensitivity can be adjusted in two stages. Press the speed switching button to switch between the high/low speed modes. The mode can be judged through the number of beeps.

Sound	Beep standard mode	For beginners
	Beep, beep high-speed mode	For skillful operators

※ The initial state is the standard mode.

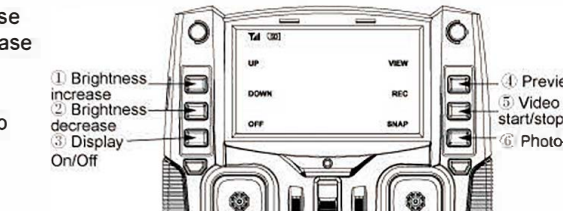
8. Operation of Remote Controller LCD Display

The videos and pictures captured by the FPV camera can be viewed in a real-time manner, and the recorded videos and pictures can be played back on the LCD display of the remote controller. To use the photographing function, a micro SD card is needed. Please insert the micro SD card into the micro SD card slot on the side of the remote controller.

Operation of LCD display

The following operation menu will be displayed after 5-second countdown when the power of the remote controller is turned on.

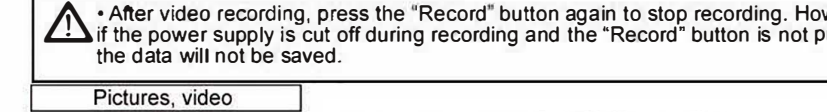
- ① Display brightness increase
- ② Display brightness decrease
- ③ Display On/Off
- ④ Video/picture playback
- ⑤ Video recording start/stop
- ⑥ Photograph



- ④ Press the "Preview" button to see the content stored (The operation is unavailable)

- ① Menu selection (Up)
- ② Menu selection (Down)
- ③ Display On/Off
- ④ Delete button
- ⑤ View button
- ⑥ Back to the previous menu

⚠ After video recording, press the "Record" button again to stop recording. However, if the power supply is cut off during recording and the "Record" button is not pressed, the data will not be saved.



Insert the special USB card reader into the computer's USB interface to view the photos and videos that have been captured.

	Video	Picture
Frequency	2.4GHz	2.4GHz
File format	AVI format	JPG format
Resolution	480×272 1280×720	480×272 1280×720
Sound	None	—
File address	VIDEO folder	PICTURE folder

9. Gyroscope Resetting Method

In case that the aircraft can not fly horizontally due to aircraft impact, you can fix it by resetting the gyroscope. Please follow the following steps.

In the binding state, continue to push the left joystick of the transmitter to the lower left corner, and push the right joystick to the lower right corner. The gyroscope resetting is completed when the power light of the remote controller changes from the flashing state to the illumination state.

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. The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.