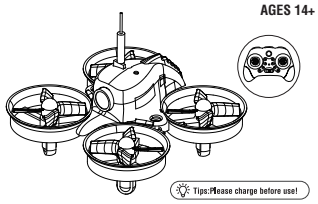
AGES 14+



Tips:Please charge before use!

FPV six-axis aircraft operating instructions

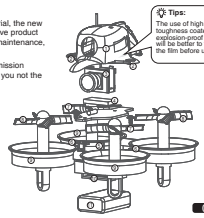
1.0 Know your aircraft

The main structure of the ABS material, the new industrial and modular design, improve product development, easy installation and maintenance, replacement upgrades.

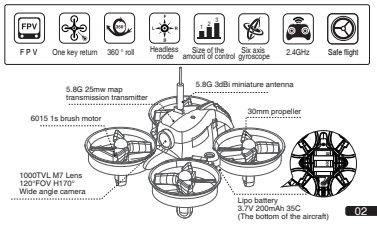
Equipped with FPV 5.8G map transmission real-time transmission system, bring you not the same visual effects.

1. Aircraft shell
2. Cover the screw hole
3. FPV system
4. EVA pad (fixed camera)
5. Rack
6. Rack cap screw hole
7. Forward rotation propeller
8. Reversing the propeller
9. Propeller guardrail
10. Body battery compartment
11. Battery

Tips: The use of high toughness coated explosion-proof ,it will be better to tear the film before use.



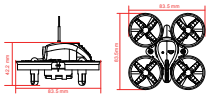
1.1 The architecture of the aircraft



2.0 parameters

Craft parameter

Main wing length: 66mm
Size: 83.5*83.5*42.2mm
Weight: 20g(without battery)
Motor: 6015 1S brush motor
Lipo battery: 3.7V 200mAh 35C
Flight time: 5min
Omnidirectional reception antenna
Working temperature:-10℃ to +40℃



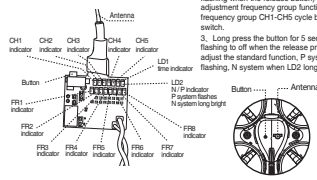
Frequency Table

Unit:MHz

	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8
Band 1	5865	5845	5825	5805	5785	5765	5745	5725
Band 2	5733	5752	5771	5790	5809	5828	5847	5866
Band 3	5705	5685	5665	5645	5885	5905	5925	5945
Band 4	5740	5760	5780	5800	5820	5840	5860	5880
Band 5	5658	5695	5732	5769	5806	5843	5880	5917

3.0 Frequency method

FPV system :5.8G 40CH
See Table 3 on the frequency table



Key functions:

1、Short press the button to adjust the frequency function, and at the frequency FR1-FR8 cycle between the switch.

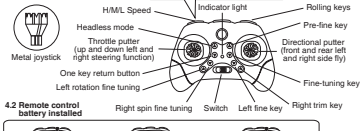
2、Long press the button for 2 seconds (LD1 flashing when the release button) for the adjustment frequency group function, and in the frequency group CH1-CH5 cycle between the switch.

3、Long press the button for 5 seconds (LD1 from flashing to off when the release press key) to adjust the standard function, P system LD2 flashing, N system when LD2 long bright.

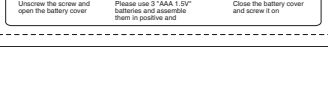
4.0. remote control

4.1 Remote control function introduction

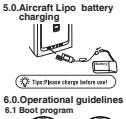
3 Different Speed Modes: High, Medium And Low Speed Self-Tuning
"Di" pattern for H
"Di Di" pattern for M
"Di Di Di" pattern for L



4.2 Remote control battery installed



5.0.Aircraft Lipo battery charging

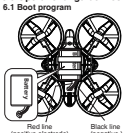


Tips:Please charge before use!

Plug the USB plug into the USB port of the computer (or the charger of the USB port with the DC5V output). At this time, the USB charging port has a red indicator light and the battery is connected to the USB charging cable. When the red light is off, it indicates that it is charging. Charging time 30-40 minutes. To ensure safety, be sure to do so within sight.

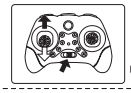
6.0.Operational guidelines

6.1 Boot program



6.1.1. The battery into the fuselage battery compartment, then the battery port access to the fuselage power port, and placed on the level, then the aircraft taillight flashing, open the remote control power switch, remote control issued a "tick" sound, then remote control The remote control gives a "beep" once again, and then the remote control indicator is turned on again. At this time, the remote controller will be issued again. Bright, the aircraft LED light is always bright, said the completion of the code.

6.1.2. After the completion of the aircraft on the code, to promote the left joystick throttle can start the aircraft.



6.2 Gyroscope proofreading

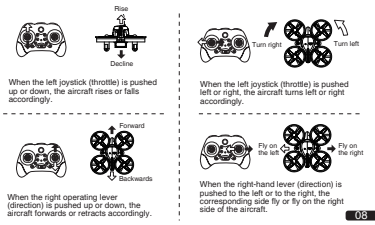
After the completion of the code, the aircraft placed in the horizontal position,
Push the two joysticks at the same time to the lower right corner 45 ° for gyro calibration. LED lights flash quickly, proofreading is complete.

Tips: Before the aircraft take off, be sure to place the aircraft in the horizontal plane proofreading, to ensure that the aircraft after the smooth flight. When the aircraft by the impact or collision after the deviation, you can also use this method to calibrate the gyroscope.

7.0. Operation and control

7.1 mode of operation

As sensitive, for beginners, it is recommended to slow operation of the rocker. Such as the operation of the aircraft during the process of a slight decline, but also slowly push the left rocker to climb to a certain height. Operation to avoid a significant push of the throttle.



When the left joystick (throttle) is pushed up or down, the aircraft rises or falls accordingly.

When the left joystick (throttle) is pushed left or right, the aircraft turns left or right accordingly.

When the right operating lever (direction) is pushed up or down, the aircraft forwards or retracts accordingly.

When the right-hand lever (direction) is pushed to the left or to the right, the corresponding side fly or fly on the right side of the aircraft.

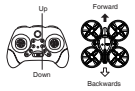
7.2 Operation mode

Aircraft movements fine-tuning

Slowly raise the throttle stick, when the aircraft to leave the ground, if the aircraft tend to different directions, you can use fine-tuning correction action.

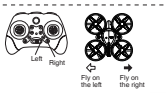
1. Adjust the front and rear fine adjustment

When the aircraft leaves the ground, the aircraft is moved forward / backward, forward, and the fine adjustment is adjusted downward.
When you move backwards, fine tune upwards.



2. Adjust the aircraft side fly fine tuning

When the aircraft leaves the ground, flying to the left / right side of the side fly.
Fly to the right, fine-tune the left to adjust.
Fly to the left, fine-tune the right to adjust.



8.0. 360 ° rollover

The aircraft can do 360 ° rollover by the following joystick operation.

8.1 Left 360 ° roll
Short press the scroll key, and then push the right lever to the left, the corresponding aircraft to the left flip 360 °

8.2 Right 360 ° roll
Short press the scroll key, and then push the right lever to the right, the corresponding aircraft to the right flip 360 °

8.3 Forward 360 °roll
Short press the scroll key, and then push the right lever up, the corresponding forward side of the aircraft

8.4 Back 360 °roll
Short press the right scroll key, and then push the right lever down, the corresponding rear side of the aircraft turned 360 °

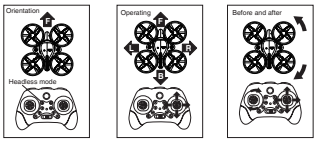
Note: Keep the aircraft at a height of 2-3 meters when rolling, so that the aircraft is easier to maintain the height after rolling.

9.0. Headless mode

9.1 Headless mode switching

Start and set: After the completion of the aircraft frequency, the aircraft placed in the flat level, or hover in the air to ensure that the head of the aircraft and the remote control in front of the same direction, press the headless mode button (aircraft LED lights flash) Start headless mode.

Exit the headless mode: Press the headless mode button again (the aircraft LED is lit), then exit the headless mode.



As shown in the figure above, in the headless mode (the aircraft LED is in a flashing state), regardless of where the aircraft is located in front of the location, now the remote control is located in the rear of the aircraft, then pull down the direction of the operating lever You can recall the aircraft, push up the direction of the rod so the aircraft will fly farther away.

9.2 One key return

Press the button to return to the channel, you can correct the way through the right joystick to correct the channel (to the front of the frequency before the start in order to return to normal), the aircraft will automatically return.

During the return process, press the function key combination on the remote control or push the right joystick "forward" to return the aircraft.

Tips: low alarm
When the aircraft appears tapping flashing, indicating that the aircraft is about to run out of power, then the aircraft
Will automatically land off the trick, the aircraft in the conventional control state, the maintenance time of 30 seconds.

One key return

10.0. Flying environment

11.0. End flight

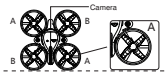
① manual landing.
② first turn off the power of the aircraft, and then turn off the remote control power.
③ Remove the aircraft from the aircraft.

Do not use this product in the following environments to avoid accidental injury or damage to the aircraft.

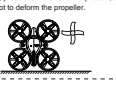
1) high-voltage line lots, park lots, railway lots, highway lots and so on
2) thunderstorms weather, windy weather, rain and snow weather.

12.0. Propeller installation method

The propeller of the aircraft is installed with the location requirements, please press the corresponding code to install,coded as shown below.



Install the propeller: Hold the small hat of the propeller, press the motor shaft to press it, be careful not to deform the propeller.



13.0. roubleshooting

13.1 remote control and the aircraft did not respond to the solution:

1) Make sure the code is successful. See page 4 for the code method.
2) whether the battery is low.
3) Make sure the remote control is the original match.

13.2 Can not roll the solution:

1) Restart the rollover function key.
2) Check whether the lithium battery is too low, re-charge.

13.3 aircraft fuselage solution:

1) Check if the propeller is deformed and replace the new propeller.
2) turn off the aircraft power to restart.
3) Place the aircraft in the horizontal plane to recalibrate the gyroscope.

13.4 Aircraft can not take off the solution:

1) Check that the screw is installed correctly.
2) whether the aircraft crash cover is loose, hinder the propeller rotation.
3) whether the aircraft has electricity, low power, the lights flashing.

14.0. FPV Troublehooting

14.1 Goggle display screen No image:

1) Check to see if the power supply of the goggle and the power supply of the aircraft is normal, battery power is sufficient.
2) Check whether the goggle receive channel and transmitter channel is consistent.
3) Check the transmitter and the end of the goggle N / P standard is consistent.

14.2 Goggle received the image signal quality is poor or wireless transmission distance near:

1) whether the same frequency of radio transmission equipment interference, FPV system should choose other frequencies, to avoid the interference frequency or to avoid the use of the same site.
2) Whether the goggle antenna is installed.
3) whether the goggle and the aircraft between the mountains, houses, trees and other obstacles, please use the FPV system in the open space.

15.0. Accessories list

Aircraft x1	Remote control x1	Propeller Ax3 Propeller Bx3	USB charging cable x1
LiPo battery x1	Screwdriver x1	Manual x1	

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