

(Inconformity 14 year enfant hereinafter use)  
(Please read through this manual before use)

# QUADCOPTER

## INSTRUCTION MANUAL



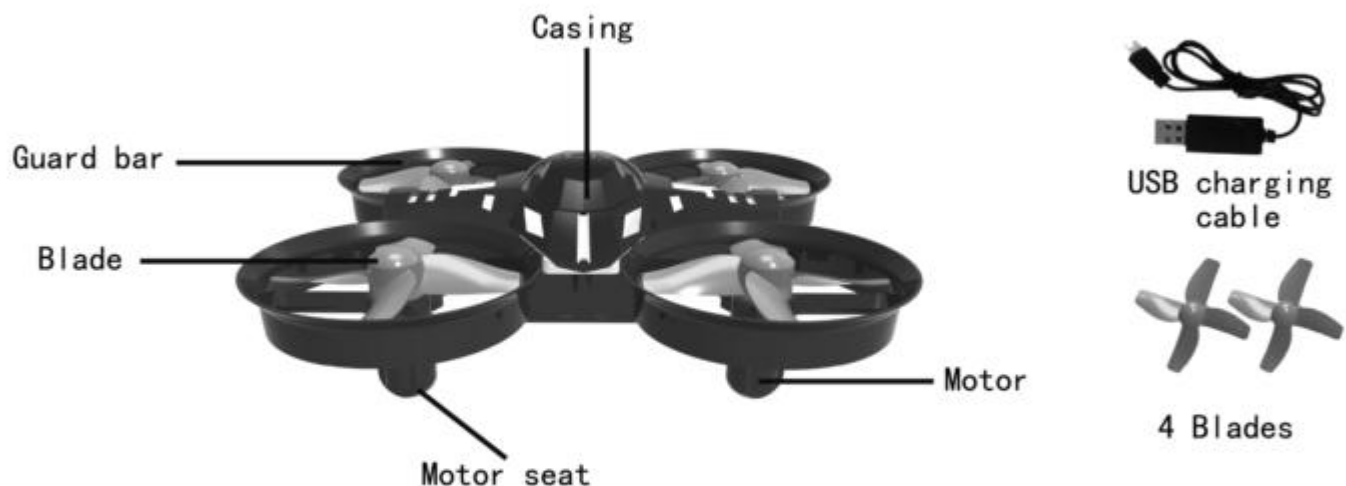
### NOTICE

- Please read through the manual before using.
- Please according to the manual's order to proceeding operation.
- Please store small parts only in places out of the reach of children, to avoid danger.
- Never leave the battery unattended during charging, to avoid the battery overheat and result in serious danger.
- Never throw Li-polymer batteries in afire, to avoid unexpected danger.
- Operating must be caution each parts from the body, never close to the rotary propeller.
- Never attempt to dismantle or modify the parts lest it will cause damage.

**2.4GHz**

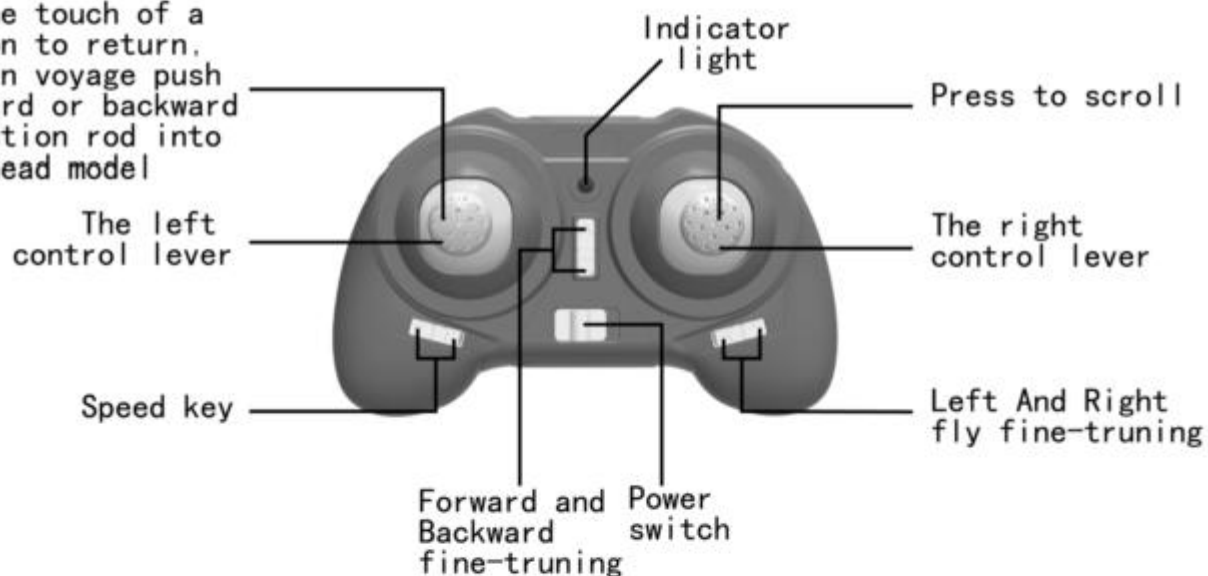
## 1.INSTRUCTION

### 1.1 Instruction of Aircraft Components And Accessories



### 1.2 Instruction Of Functions Of Remote Control

At the touch of a button to return, return voyage push forward or backward direction rod into the head model

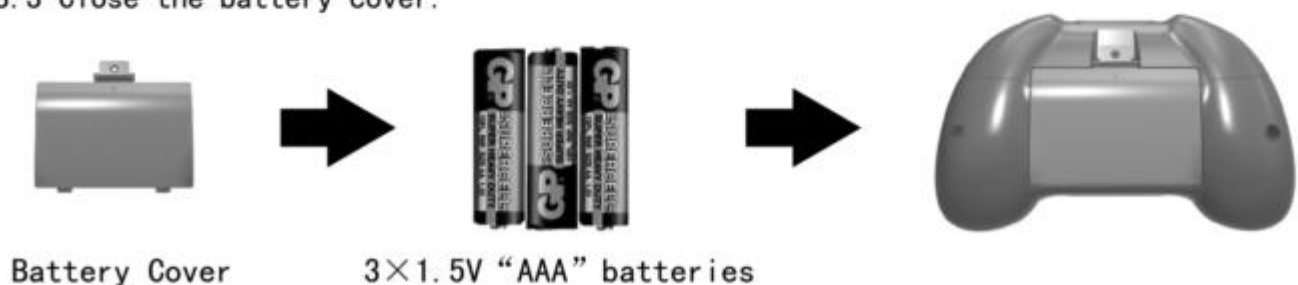


### 1.3 Install The Remote Controller Battery

1.3.1 Remove the battery cover.

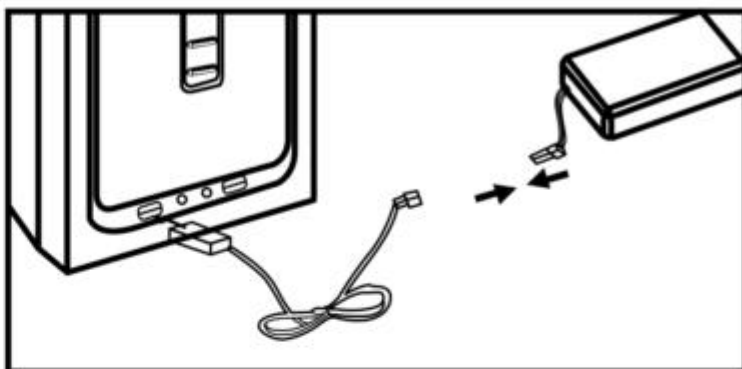
1.3.2 Install 3 “AAA” batteries, according to the correct polarity.

1.3.3 Close the battery cover.



## 2.LITHIUM BATTERY CHARGING

Connect the battery with the charging line, then insert the USB charging cable into the computer's USB interface or other chargers connected with USB, and then connect the power supply. When the light is on, it is being charged, when the lamp is on, it is fully charged. The USB charging cable can be connected to the charger of other intelligent mobile phones or mobile power supply, or USB interface of vehicle for charging. Voltage at USB interface is  $+5\pm0.5V$ .



## 3.START TAKING OFF

### 3.1Power on frequency program

Four-in-one gyro receiver of your remote control four-axis aircraft has fault protection function. This is designed to ensure that the motor does not start when the model doesn't receive remote control signal, the battery power failures and other failures, thus playing the protection function.

The startup sequence is as follows:

3.1.1 First, attach the electric outlet of the aircraft to the plug, put it on the ground (the LED lights on the aircraft will flash at this time.)

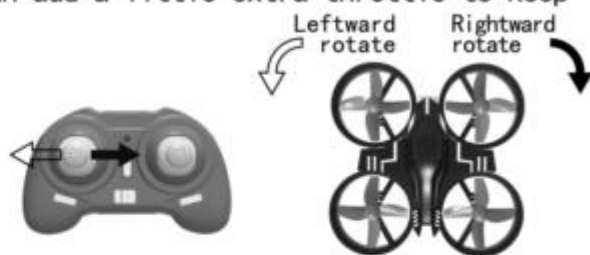
3.1.2 Then switch on the remote control power switch, then the red LED light is flashing, push the left control rod (throttle) to the top and to the bottom, the aircraft's remote control start code matching, please don't touch other control rods or fine tune key before code matching, or the flight may drift. After code matching, the power indicator light of remote control and LED light on aircraft will keep on.

### 3.2 Operation And Control

Note: avoid out of control, in the control of moving of four-axis aircraft, always pay attention to slowly manipulate the joystick to control, the aircraft will lose a bit of power in the process of remote control, so you can add a little extra throttle to keep a certain height of flight in training.



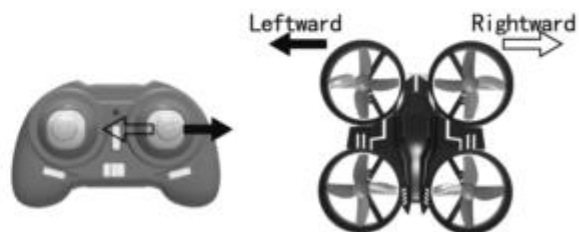
The left joystick controls up/down of four-axis aircraft



The left joystick controls leftward/rightward rotation of four-axis aircraft



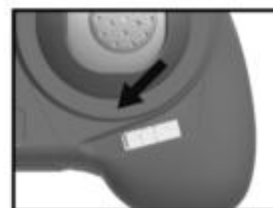
The right control rod controls forward/backward of four-axis aircraft



The right control rod controls leftward/rightward flying of four-axis aircraft

### 3.3 Fine Tuning

If the aircraft encounters (rotation/forward and backward/leftward and rightward) offset in the flying, click the corresponding fine tuning key in reverse direction for adjustment. For example: the aircraft has forward deviation, click "forward/backward fine-tuning" key to adjust as shown in figure.



## 4.SETTING OF SENSITIVITY

Two modes are available for the aircraft: low (40%) - high (100%)

Toggle "speed conversion switch" for setting:

Press the power supply indicators until you hear "di", the aircraft is set in low mode (sensitivity: 40%)

Press the power supply indicators until you hear "di, di", the aircraft is set in high mode (sensitivity: 100%)

Through this switch, adjust the sensitivity of the aircraft, the greater the sensitivity is, the faster the micro-four-axis will response and it will be slower on the contrary.

### 4.1 Aerial Rolling Skill



The aircraft, through the following control, can take 360-degree roll flight. In order to better perform rolling function, ensure that the aircraft maintains 3 meters above the ground to fly, the best is to operate the model for rolling in the process of rising, then after rolling of aircraft, it is easier to maintain a height.

#### 4.2 Leftward Rolling

Click the "roll" button, then the right control rod to the left, the aircraft is left tumbling.



#### 4.3 Rightward Rolling

Click the "roll" button, then the right control rod to the right, the aircraft is to the right to roll.



#### 4.4 Forward Rolling

Click the "flip" button, then the right control lever to the front vehicle is rolling forward.



#### 4.5 Backward Rolling

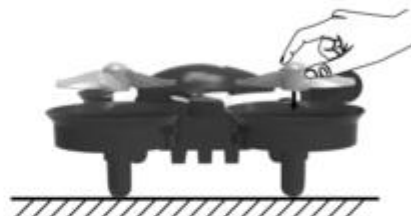
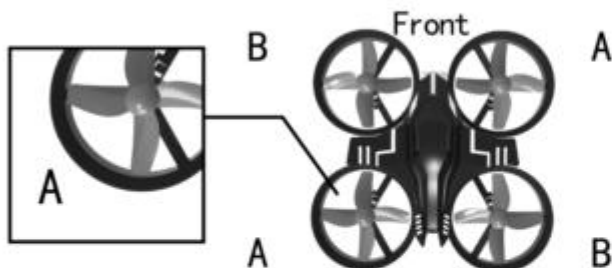
Click the "flip" button, then the right lever is pushed back, the aircraft tumbling backwards.



## 5. THE INSTALLATION AND INSTRUCTION OF FLYING DEVICE PARTS

Installation and disassembly of blade

The blade of the four-axis aircraft is not the same for every piece. Each blade is marked with "A" or "B". When install the blade, please correctly install according to the corresponding tag as shown below. When the blade is not properly installed, the micro four-axis will be unable to take off, or rollover or throw.



Installation: pinch the blade's little hat, press down in aligning to the motor shaft.

## 6. HEADLESS MODE WITH ONE KEY RETURN

During flight, when you press headless mode button, the aircraft will automatically lock into the take-off direction, regardless of its position or stance. When you find aircraft leaves you so far away that you may not know what direction it is, you just click on the headless mode, then the aircraft will return under your control; or click the back button, the aircraft will be back.

6.1 The drive head must face forwards when you check the code (or the direction will be disordered when you set the headless mode or back mode).

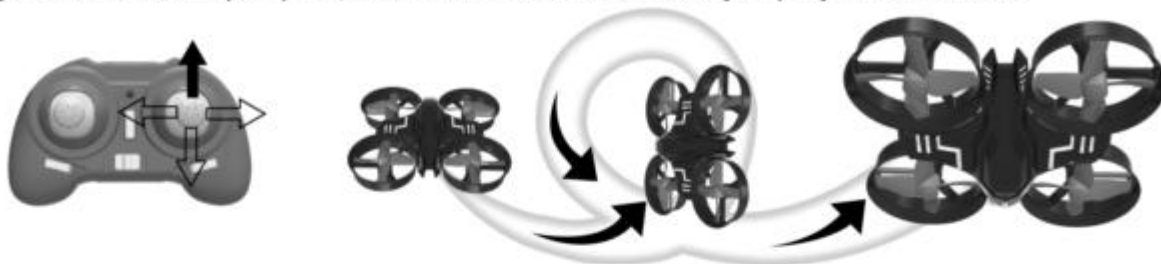
6.2 When you use headless mode, press the headless mode button, and the aircraft will automatically lock into the take-off direction.

6.3 When you don't need headless mode anymore, press the button again to quit.

6.4 When you use automatic return, press the back button, and the aircraft will be back.

6.5 During the automatic return, you can manually control the right and left directions. Press the forwards operating level, and aircraft will exit the automatic return and entry headless mode.

Warning: Please choose open place and avoid the crowds when you play the aircraft.



## 7. AIRCRAFT CALIBRATION

Frequency correction is needed before take-off, and the light is on after correction.

Control the operating lever slowly when the aircraft moves to keep it under your control. The aircraft will lose a little power during the operation, add a little extra gas to make aircraft to keep a certain height.



## 8. TROUBLESHOOTING

1. The remote control cannot match code with fine-tuning four-axis

Answer: check whether the remote control's throttle is pushed to the lowest value, when start to match code, do not move any other rocker and fine-tuning.



2. The propeller does not rotate, or takes very slow reaction

Answer: (1) Lithium battery quantity is low; (2) There is need to re-match code; (3) Push the throttle to the lowest value to let micro four-axis land, after pause for 3 seconds, take off again.

3. Cannot roll

Answer: Lithium battery with too low quantity needs charging

4. The micro four-axis in flight is shaking or vibrating, with great noise

Answer: Check whether the motor, casing and blades are installed correctly.

5. The blade cannot rotate, and take off

Answer: Check whether the A/B blade is installed correctly, please achieve correct installation of blade as shown below.

6. One or more of the motor does not rotate

Answer:

(1) The motor is out of order, add a new motor;

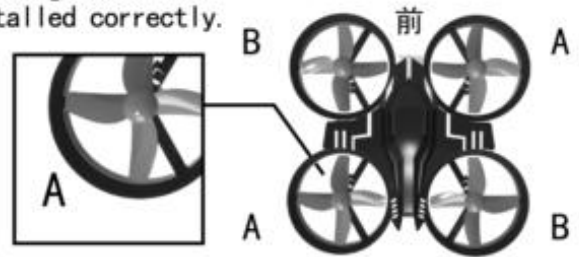
(2) The motor line falls off, welding line is needed;

(3) A transistor on the emission board in the remote controller is burnt out, and use a new remote controller.

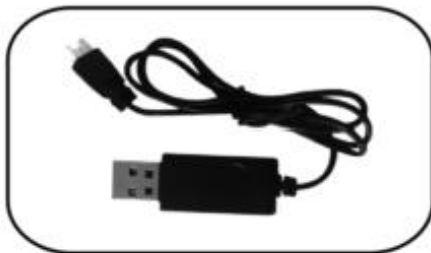
7. After re-calibrate, micro four-axis still drifts in suspension

Answer:

Put the micro four-axis in a horizontal plane, pad several layers of paper in the azimuth of drift (the thickness of the paper depends on the degree of drift), then the accelerometer can be calibrated on the horizontal plane, so as to solve the drift problem.



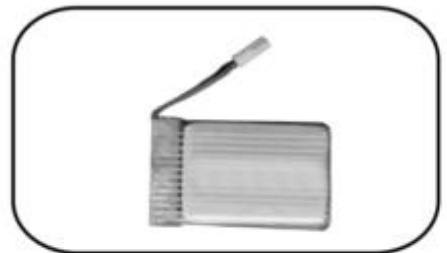
## 11. THE LIST OF ACCESSORIES



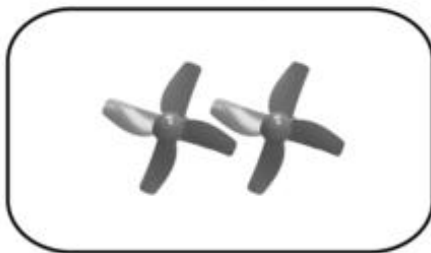
USB Charger x 1



Screwdriver x 1



Battery x 1



The paddles A/B × 4



Remote control device x 1



Instructions x 1

#### FCC Warning

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. Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

(1) This device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

\* RF warning for Portable device: The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.