Fineco FX-9G2 remote control Instruction Manual

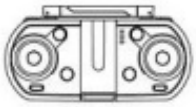
Contents

FINECO

Fineco FX-9G2 remote control

PRODUCT CONFIGURATION


Quadcopter X1


Transmitter X1


Blade a x2
Blade b x2


USB charging cable X1

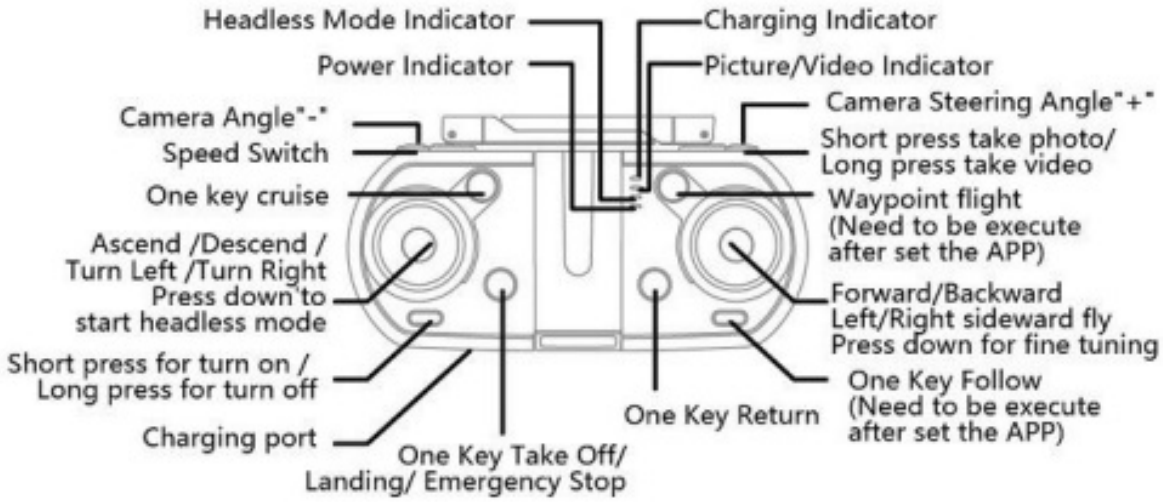

screw driver X1


Blade Screw X5


Instruction
Manual x1

Accessory Package X1

TRANSMITTER



Remote controller's battery charging

To charge the controller, plug the charging USB cable to the charging port of remote control, plug the other port of the charging USB cable to the computer's USB port or other 5V USB port

PREPARATION BEFORE FLIGHT

1. Select the flight environment

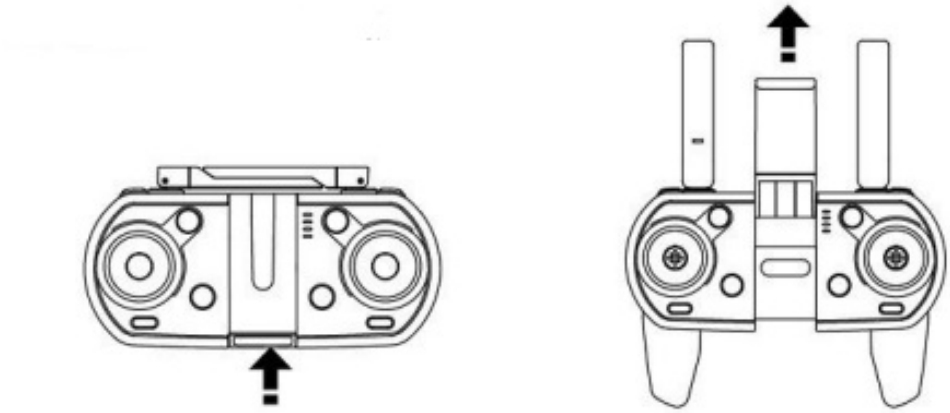
Indoor flight: Please choose an open space free from obstacles, crowds and pet around.

Please maintain the unmanned plane within the range of visibility, and keep it away from the obstacle, high-voltage line, tress, crowd and other similar ones during the flight.

Please do not fly under the extremely bad environments such as supercooling, superheating, strong wind and rainstorm.

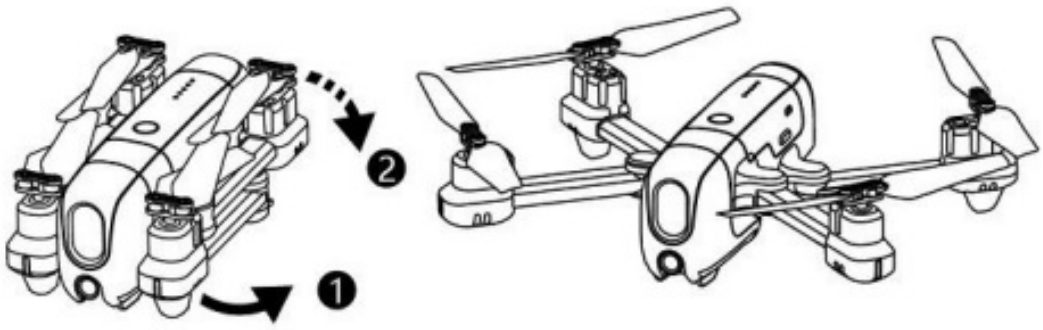
ACCESSORIES INSTALLATION

Extended remote control



- Push the smart phone holder up from the bottom of the controller and pull it to the top. Adjust the holder up to a suitable position for the mobile phone. Pull the left and right antenna stand (Antenna Rotatable) Open handles (Handle Rotatable)

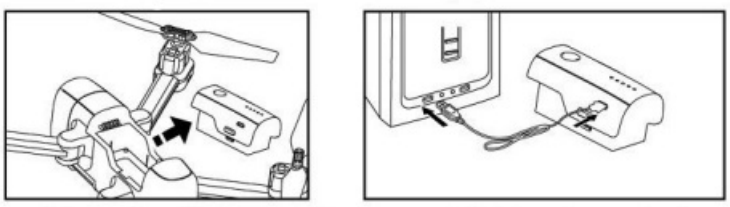
Open Blades



- Extended the arms of quadcopter from top to bottom, rotate and clamp the arms to the position as shown in the figure.
- Please open the rear arms before openning the front arms.
- To stow the arms, rotate the arm back and push it back to the locker on quadcopter.

CHARGING OF LITHIUM BATTERY

The battery pack may need charging before flying. How to charge the battery pack: release the battery cover by pressing down the botton lock; connect the charging cable with the battery and charger (USB). The 5 LED lights shall flash during charging and keep light on when fully charged.It may take 240-280 minutes to charge to full.It enables 17 minutes flying.

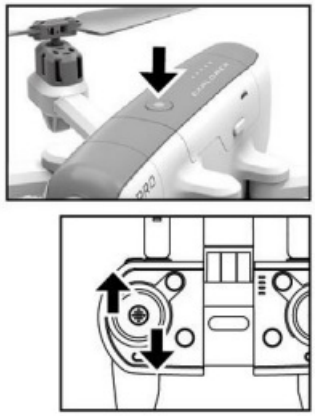


- If this product will not be used for a long period of time, please maintain 50% electric quantity, so as to lengthen the service life of the battery.

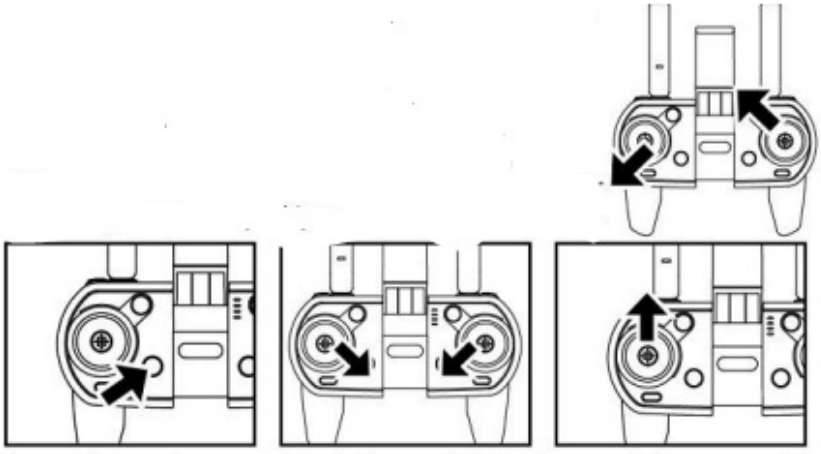
- To maintain 50% electric quantity, it only needs to charge for half the time of full charging.

operational guidelines

Startup program



1. Plug the battery into the aircraft
2. The LED lights under the four motor bases of the aircraft will flicker by long pressing the power switch for 2s. Put the aircraft on a horizontal plane
3. Indicator Light will flicker by opening the power supply of the remote control. Push the accelerator of the left operating lever to the highest point, and then return to the lowest point; at this time, the remote control will tick. Indicator Light of the remote control is normally on, and the LED light on the aircraft is also normally on. Then, coding is finished for the aircraft (the LED light at the bottom right corner flickers slowly)
    - Before flying, please calibrate the aircraft on a horizontal plane, and make sure stable flying after take-off.
    - The aircraft is searching for GPS signal if the LED light at the bottom right corner flashed slowly.(Please connect to WIFL,the geomagnetic calibration please refer to Page 2 on WIFI Instruciton Manual.)
    - It will automatically turn off if no operation within 5 minutes.



    - When the aircraft flies at this place for the first time, it cannot be operated before successful geomagnetic calibration.
    - If the aircraft collides with others or is under instable hovering after collision in the flaying process, place the aircraft on a horizontal place and do the geomagnetic calibration; it indicates successful calibration after the four
    - LED lights beain to flash quickly and become normally on.
    - If the quadcopter loses the GPS signal, the LED light on bottom right corner of the quadcopter will light

and flash slowly. At this time, the quadcopter just could be started and enter optical flow height determination mode. Pull both two joystick to inner lower corner as shown in the figure 2, press the button for One Key of Take Off, controller with a beep then the quadcopter takes off and keep fly in the sky at a setted height. You also could pull both joysticks to the inner lower corner, then pull the left joystick up to fly the quadcopter at a suitable height. (At this time, Fly back/ Fly circle/ Follow me function failed to start.)

Shutdown program

The aircraft will land on the ground automatically by holding the accelerator at the lowest position. The paddles will stop rotating. The remote control wil tick by pressing down the key on the bottom right of the left operating lever. At this time, the aircraft will land on the ground automatically, and the paddles will stop rotating.

Scram

“One-key take-off” can be continuously pressed in case of an emergency. The aircraft will stop after hearing two tick sounds of the remote control, or open the left and the right operating levers in a form of “external horoscope” for an emergency stop

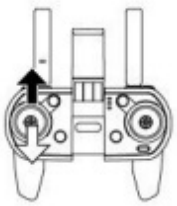
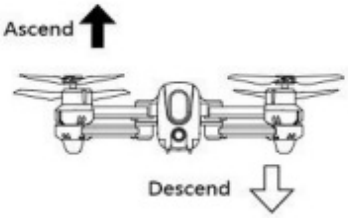
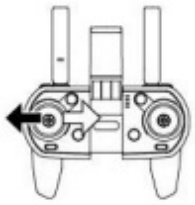
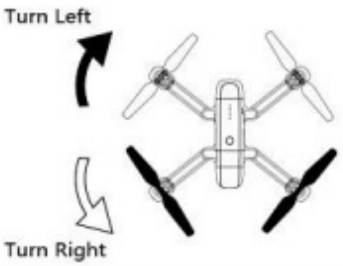
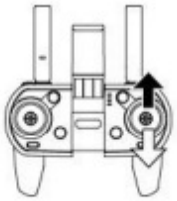
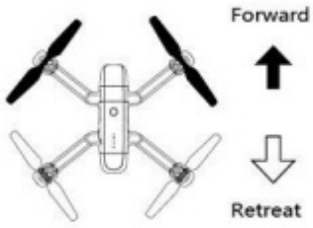
All scram functions cannot be executed unless the aircraft is lower than 2M. The mode of automatic landing shall be executed if the aircraft is higher than 2M.

OPERATION AND CONTROL

Speed threshold switching method

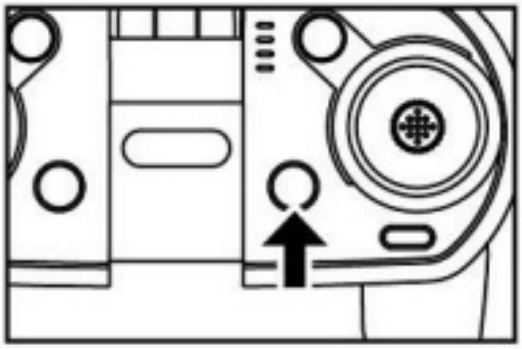
While operating the aircraft, the operator can adjust the control speed according to specific needs. The key on the top left corner of the remote control is used for speed threshold switching. One gear of speed will be switched by pressing it every time. One “tick” sound stands for slow-gear speed control. In other words, the aircraft is operated under 30% speed (default starting speed). Two “tick” sounds stand for mid-gear speed control. In other words, the aircraft is operated under 60% speed. Three “tick” sounds stand for quick-gear speed control. In other words, the aircraft is operated under 100% speed.

Basic action operating method

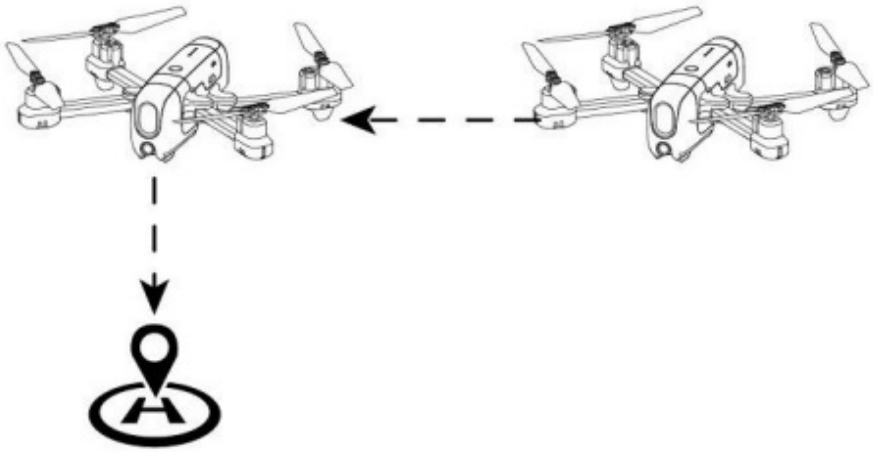
The aircraft will ascend or descend accordingly by pushing the left operating lever (accelerator) upward or downward.		
The aircraft will turn left or right accordingly by pushing the left operating lever (accelerator) toward the left or right direction.		
The aircraft will go forward or retreat accordingly by pushing the right operating lever (direction) upward or downward.		

ONE-KEY RETURN

The remote control will tick by pressing the “One-key return” in the normal flying process of GPS. After the aircraft nose turns to the take-off direction, it begins to return to the take-off place automatically. In the return process, operate the right operating lever to unlock the aircraft for return, or press again the “One-key return” for return



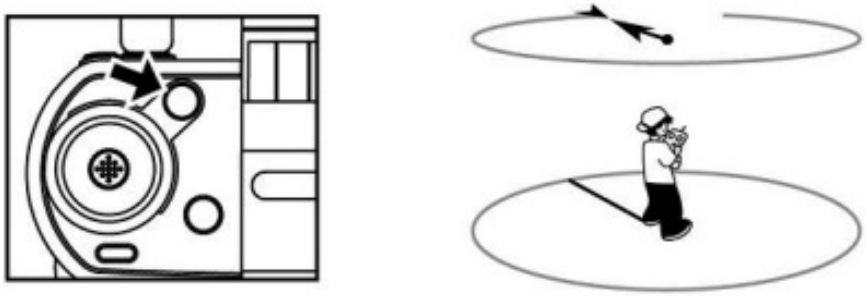
1. The aircraft will return automatically in case of low voltage.
2. The aircraft will return automatically in case of signal losing.
3. The aircraft will return automatically in case of outage of the remote control.



ONE-KEY SURROUNDING

Fly to the position where it is about to surround, and press the “One-key surrounding” on the remote control; at this time, the control will tick. 360 surrounding will be executed after the aircraft flies to the set radius with this position as the center and after the nose turns to the surrounding center.

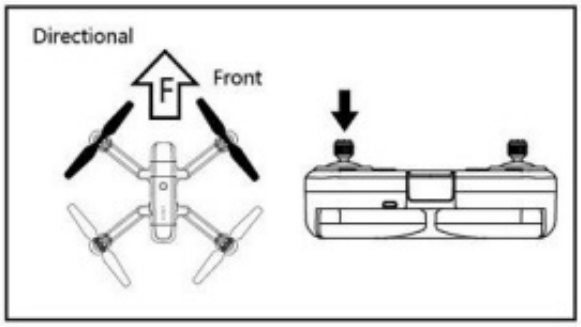
During circle flight, pull the right joystick to change the quadcopter’s flight distance and flight speed (As fly further/fly closer/fly fast/fly slowly), press the button of One key for circle flight again, the quadcopter stop circling.

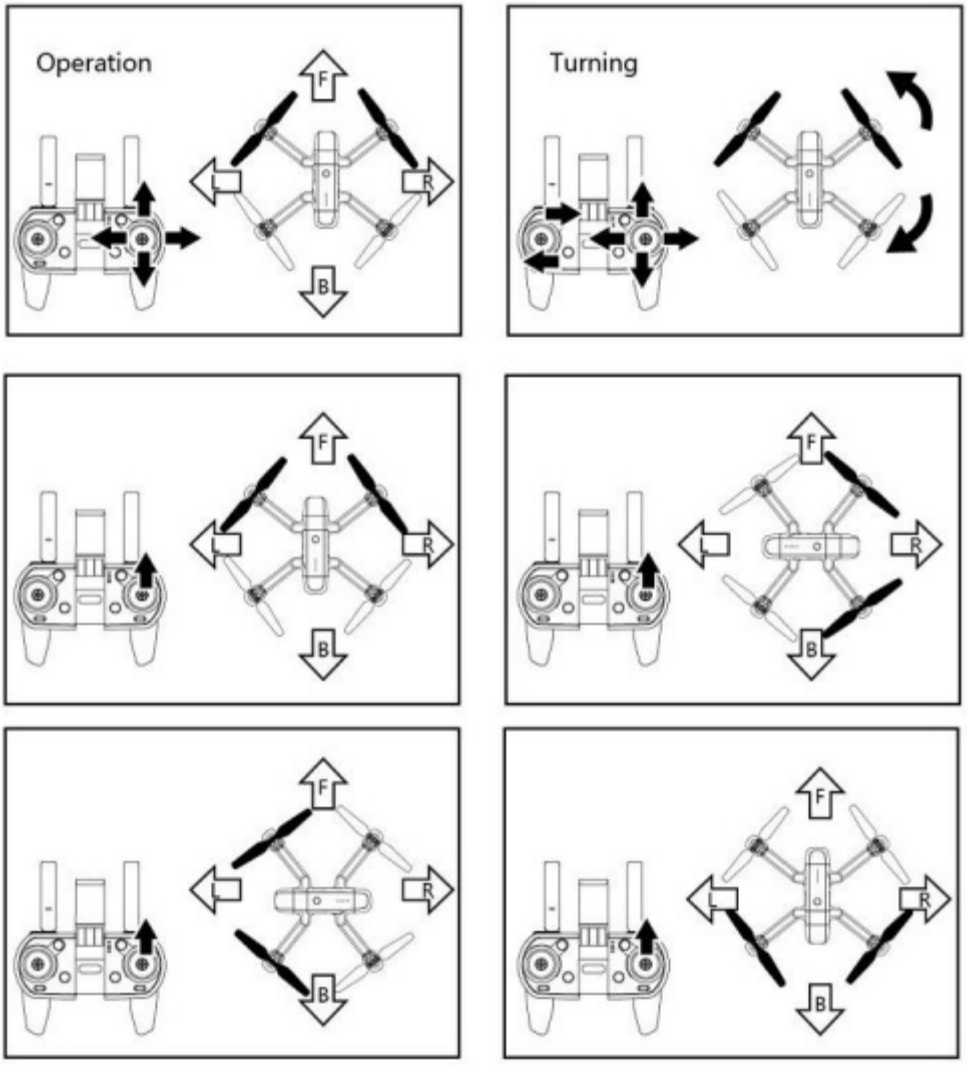


HEADLESS MODE

Start and close

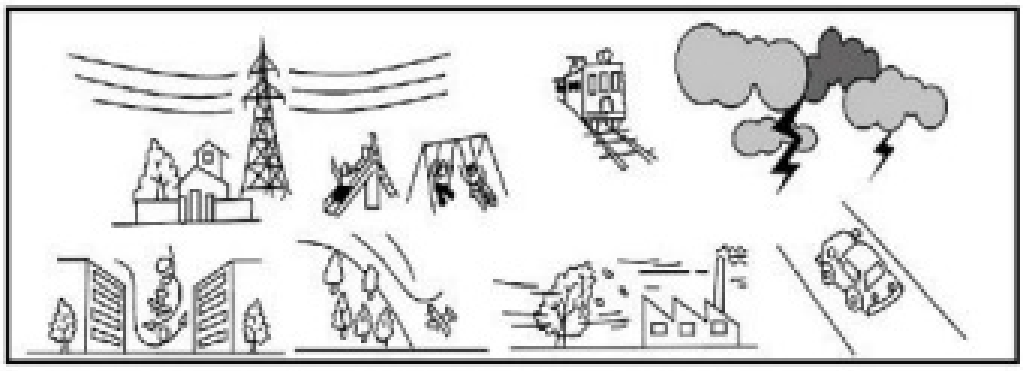
Start and setting: After frequency checking, put the aircraft on a horizontal plane or hover in the sky, make sure that the aircraft front (the position of camera is the front) is consistent with the front of remote control, and vertically press the left operating lever (the remote control will tick); the headless mode is started if the diagonal LED Flights under the motor base flicker Quit the headless mode: vertically press the left operating lever again (the remote control will tick); the aircrafts quits the headless mode if the LED light is normally on. This function just could be started when the GPS signal is loosing.





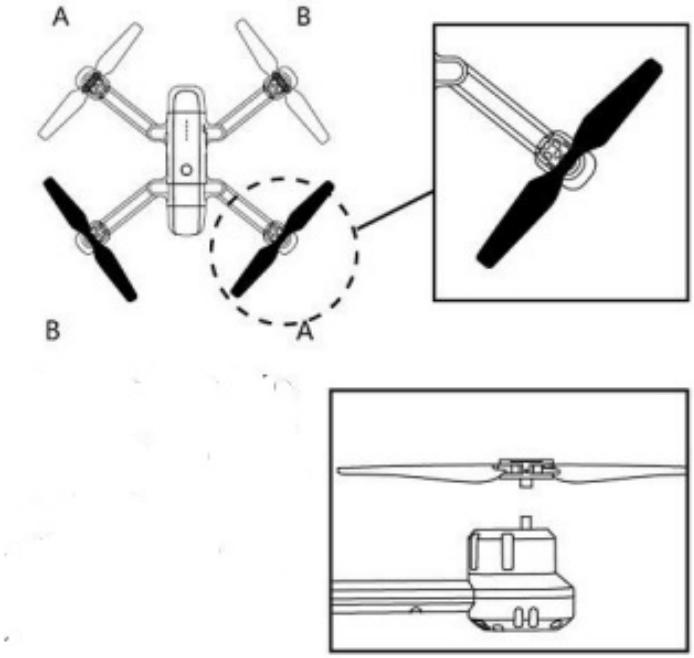
As shown in the above figures, the present position of the remote control is the right rear of the aircraft no matter the aircraft (position of the camera) front is at whichever position under the headless mode (the two LED lights at the opposite angles under the motor base are flickering). At this time, pull down the direction operating lever to call back the aircraft the aircraft will fly further and further by pushing the aircraft upward.

FLIGHT ENVIRONMENT



REPLACEMENT OF FAN BLADE

In case of bruise or deformation, the user may take out the fan blades for replacement.
The fan blades shall be installed at the required position. The letters on the blade must be consistent with the letters on the motor cover, namely “A” to “A” and “B” to “B” Otherwise, the aircraft
cannot take off normally.



1. Offset is designed for the spindle steel pipe and the fan blade inner bore, capable of located installation. Disassemble the anchor screws of the fan blade and the lower lampshade, and take out the damaged fan blade
2. Take out the new fan blade, align it with the spindle, insert and withstand the cone at the lower end, and reverse the fan blade to make its inner offset consistent with the spindle offset
3. Insert the fan blade to the bottom, and lock the anchor screws of the fan blade and the lampshade

SAFETY NOTES

1. Keep away from obstacles This product is suitable for outdoor flight. The obstacle environment shall be selected, so as to avoid collision with any person or other objects and thus damage the aircraft.
2. Keep away from damp and hot environments The aircraft consists of many precise electronic elements. Therefore, moisture, high-temperature exposure and other impacts must be avoided, so as to avoid any damage to the electronic elements
3. Use safety of lithium battery It is prohibited to refit or use other lithium batteries for flight. The lithium batteries produced by different manufacturers differ a lot in terms of internal configuration. Otherwise, it will damage relevant electronic elements or even endanger personal safety. It is prohibited to charge with other chargers (except the original), so as to avoid short circuit, expansion, deformation, fire, explosion and other risks If this product will not be used for a long period of time, please take out the battery to avoid leakage and fault. In case of any leakage of the battery, please do not use it again.

TROUBLESHOOTING

Issue	Cause	Solution
The aircraft has no response.	1. Unsuccessful coding; 2. Low voltage of the aircraft or the remote control	1. Code again; 2. Recharge the battery of the remote control 3. Recharge the aircraft
Failure to take off	1. Wrong assembly of the fan blade; 2. Deformation of the fan blade after collision; 3. The LED light of the aircraft flickers.	1. Check the part of fan blade installation in the specification; 2. Strengthen or replace the fan blade; 3. Low-voltage protection or recharge the aircraft
Shaking of the aircraft	1. Deformation of the fan blade after collision; 2. Offset of the gyroscope	1. Strengthen or replace the fan blade; 2. Check the part of gyroscope calibration in the specification
Delayed response or interrupted signal of the aircraft	Low voltage of the remote control	Recharge battery of the remote control
The aircraft cannot hover.	1. The geomagnetism is not calibrated; 2. The gyroscope is not calibrated.	1. Calibrate the geomagnetism according to the specification; 2. Calibrate the gyroscope according to the specification
The LED light at the bottom right corner of the aircraft flashes slowly.	No GPS signal is searched.	1. During startup for the first time, please wait patiently for GPS signal searching; 2. Change another place (excluding those places with large interference such as electric tower and high voltage electricity); 3. Please do not execute indoors, in the basement or some places without GPS signal
The four LED lights of the aircraft flash quickly.	Perform GYRO calibration	Put the aircraft on a horizontal plane
The two rear LED lights of the aircraft flash quickly.	Geomagnetic calibration	Refer to Page 2 on WIFI Instruciton Manual,the geomagnetic calibration

LIST OF SPARE PARTS

WARNING

Please read the Instruction Manual carefully before using. Please keep it for further reference. Our company and distributors are not responsible for any loss and human injury caused by improper use or operation of this product.

FCC Rules

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 interferenee 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

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

Documents / Resources

	Fineco FX-9G2 remote control [pdf] Instruction Manual FX-9G2 remote control, remote control