

Product Name	GAOTek Gesture Follow Me Drone
Product SKU	GAOTek-FMD-121
Product URL	https://gaotek.com/product/gaotek-gesture-follow-me-drone/

Contact us: sales@gaotek.com

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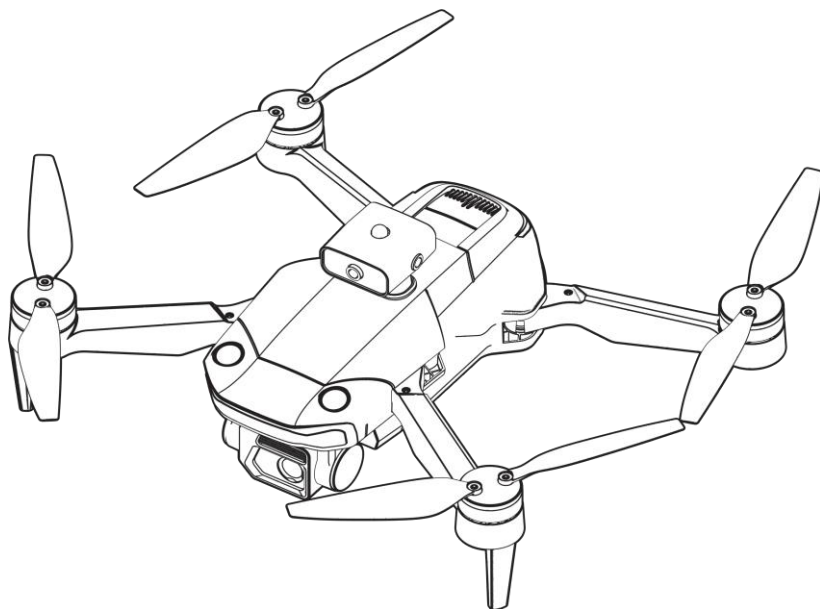
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GAOTek Gesture Follow Me Drone

User Manual

1. SAFETY PRECAUTIONS:

1. In order to ensure the electromagnetic environment requirements of aviation radio station (station), it is prohibited to use various model remote controllers in the area with the center point of airport runway as the center point and the radius of 5000M. During the period when the relevant departments of the state issue radio control orders and regional areas, the use of model remote controllers shall be stopped as required. Please fly in warm, clear, windless weather. Do not fly in severe weather conditions such as overheating, overheating, strong wind, rainstorm, etc. Please choose indoor or outdoor open area, and keep a safe distance from people, pets, empty overhead wires and other obstacles. Make sure that no other uses the same frequency. Do not let the aircraft out of sight.
2. after the aircraft is started, please do not contact the high-speed rotating part of the aircraft and keep a distance from the high-speed rotating propeller to avoid the risk of strangulation. (Including gears, rotors, etc.)
3. During and after the use of the aircraft, the battery and motor will generate high temperature. Please do not touch it to avoid the risk of scalding.
4. do not look directly at the light beam of the LED to avoid affecting the eyes.





2. PRE FLIGHT-PREPARATION:

Flight Environment



Indoor: Spacious space away from obstacles, crowds or pets are preferred



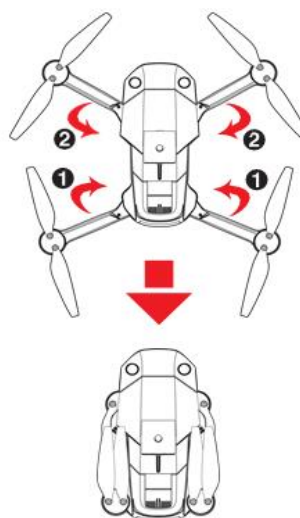
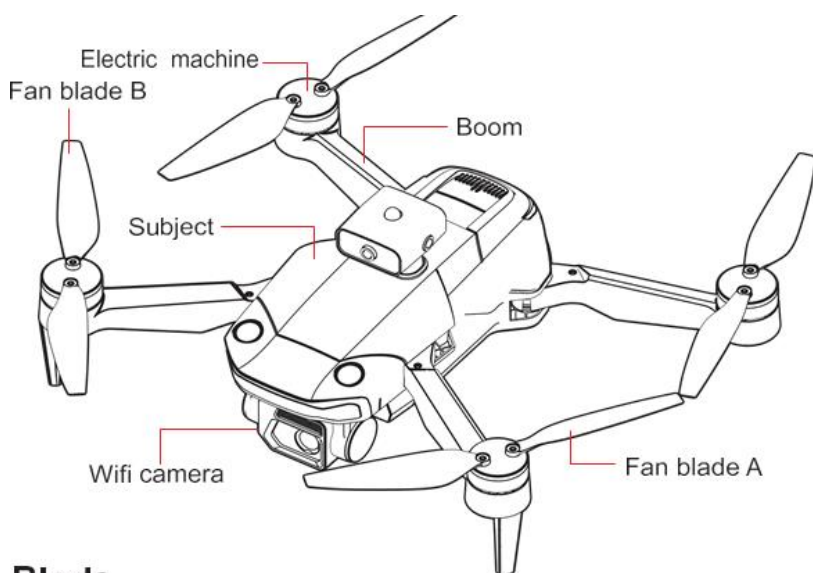
Outdoor: Sunny, windy and sunny weather are preferred



Please keep the UAV in line of sight and away from obstacles, high-voltage cables, trees and personnel during the flight



Do not fly in extreme environments, such as heat, cold, strong wind or heavy rain



Blade

Blade Replacement:

1. The fan blade to be replaced must be replaced corresponding to the relative position on the machine. Fan blade A needs to be installed at position A, and fan blade B needs to be installed at position B. If fan blade is replaced incorrectly, it cannot be controlled.

2. When flying, the fan blade A rotates clockwise, and the fan blade B rotates counterclockwise.

1. Important note

This product is not a toy, wrong use will cause damage.

Please follow the instructions before using this product. Do not disassemble the product yourself. Otherwise, the manufacturer is not responsible for any damage.

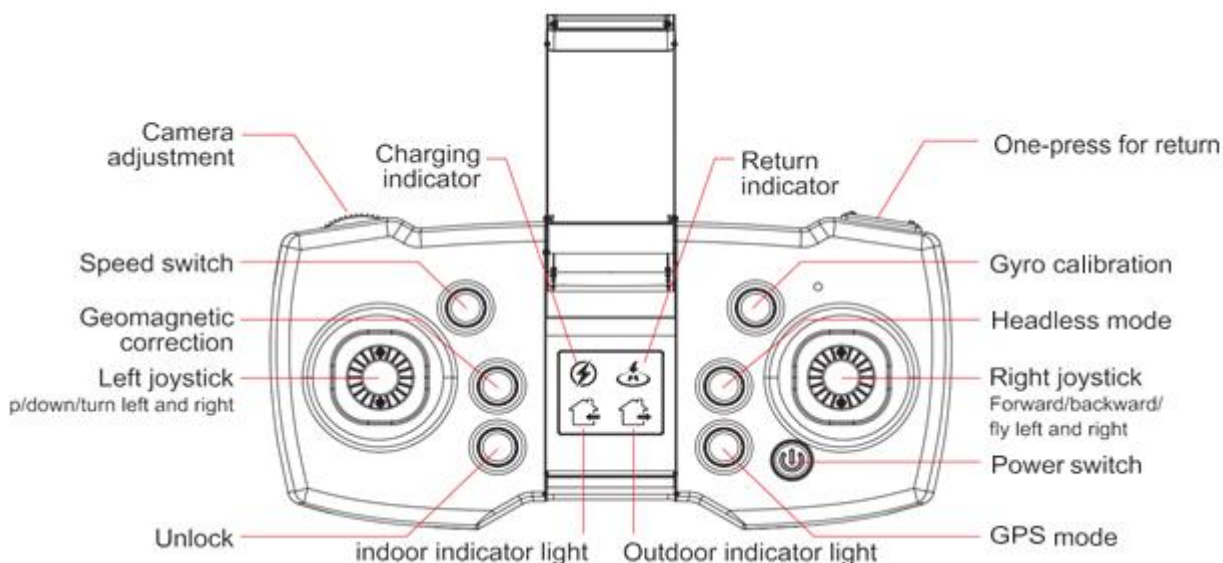
2. Safety instructions

Warning: It is necessary to fly in a safe area or away from others, and do not control the aircraft above a dense crowd. Due to the pilot's operation error or wireless interference in the operation process, accidents and failures are easy to occur, and damage or injury to the crowd is easy to occur.

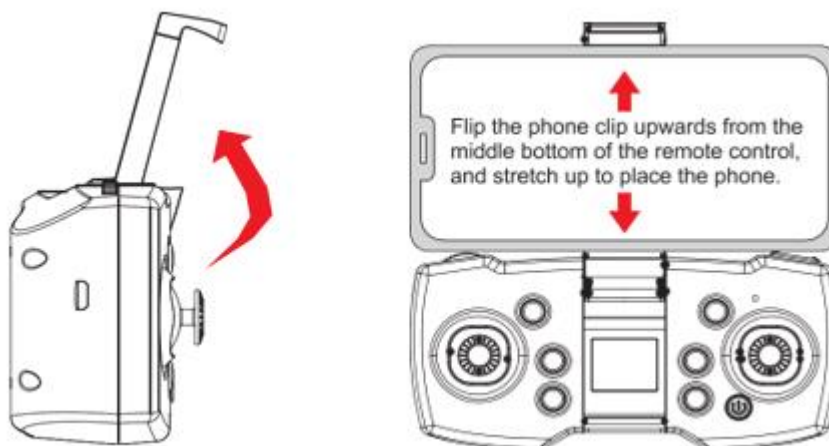
Prohibition: Especially for indoor and outdoor flight, please keep away from obstacles This product is suitable for both indoor and outdoor flight (wind strength not more than 4). Please choose a place that is free from obstacles, crowds and pets, passers-by, such as, heating source, heat source, electric wires or electronic power source will not collide with the drone, landing, entanglement, or cause fire, electrocution and damage to life and property.

Warning: As this product is mainly suitable for people over 14 years old, it may be difficult to learn at first, we recommend you to ask an experienced pilot for guidance.

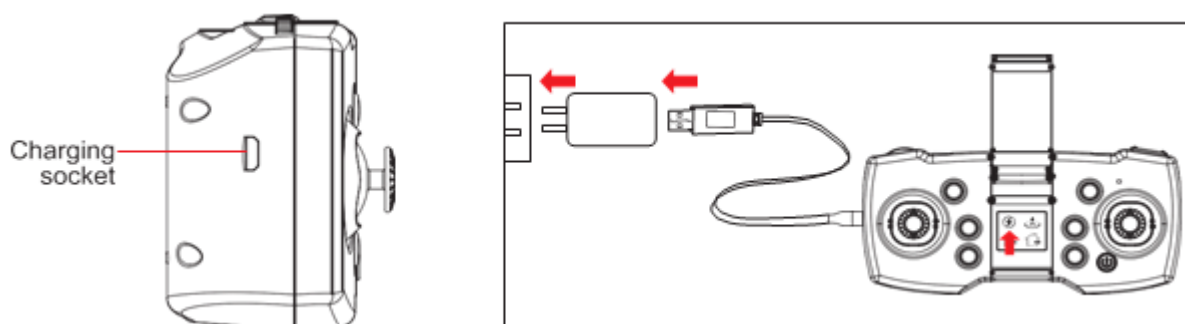
3. REMOTE CONTROL FUNCTION KEY AND NAME DESCRIPTION:



4. INSTRUCTIONS FOR USING THE REMOTE-CONTROL PHONE HOLDER:



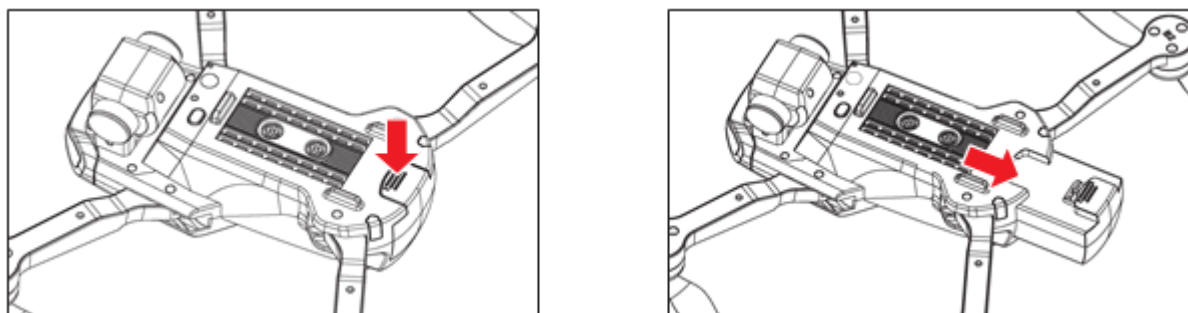
5. REMOTE CONTROL CHARGING INSTRUCTIONS:



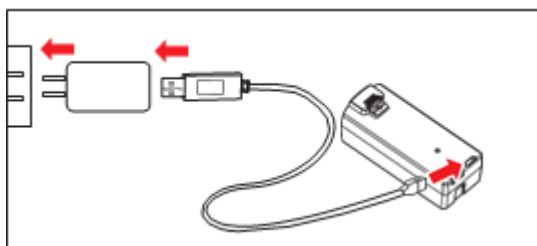
Insert the charging plug of the charging cable into the charging socket of the remote control, and then connect the USB charger plug to the computer or mobile phone charger to charge. (Charging time is about 40 minutes)

Note: If the charging indicator light does not change during charging, this indicates that the battery is fully charged and does not need to be recharged.

6. INSTRUCTIONS FOR CHARGING DRONE LITHIUM BATTERY:



Take out the drone battery: press and hold the position shown by the arrow, and pull it back to take out the battery



Battery Charging steps:

The USB Android head plugs into the battery and connects the USB charger plug to the computer or mobile phone charger. When charging, the battery indicator light is long and turn off after full charging. (The charging time is about 360 minutes)

Note: If the battery is inserted on the charger, the light on the battery is not long, and need not to change

7. PRE-FLIGHT ENVIRONMENTAL REQUIREMENTS:

Please choose an open indoor or outdoor environment without rain and snow and wind force less than Level 4 to fly. Please stay away from people, trees, electric wires, tall buildings, airports and signal transmission towers when flying.

8. DRONE FLIGHT TUTORIAL

Indoor mode tutorial:

1. Drones to frequency

Put the drone battery into the drone battery tank in the correct direction, put the drone on the horizontal ground and turn on the power, and then turn on the remote-control power. After lighting, the lamp slowly flashed the frequency of frequency.

After the frequency is completed, the barrier avoidance function is turned on by default.

Only the indoor mode has the function of obstacle avoidance, and the outdoor mode does not have the function of obstacle avoidance

2. Gyroscope calibration operation

Place the drone at the horizontal position, press the "gyroscope calibration" button (Figure 1), the drone indicator flashes, and then the front light is turned on, the rear light flashes, and the remote control emits a "DI" sound, indicating the calibration to indicate the calibration success.

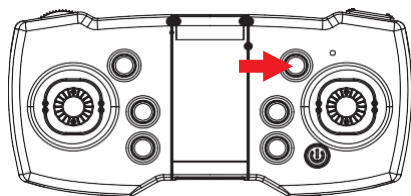
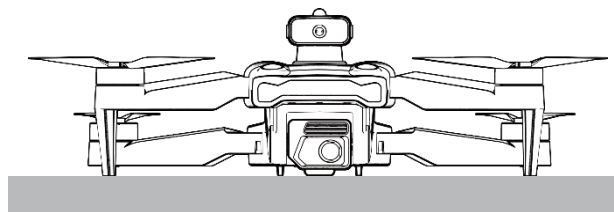


Figure 1



3. Turn on indoor mode:

Long press the GPS switch button for 3 seconds (Illustration 2), the remote-control beeps once, Turn on indoor mode, and the drone's front light flashes slowly at this time.

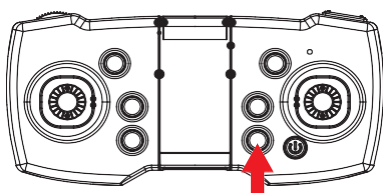


Figure 2

Outdoor mode tutorial:

1. Drones to frequency

Put the drone battery into the drone battery tank in the correct direction, put the drone on the horizontal ground and turn on the power, and then turn on the remote-control power. After lighting, the lamp slowly flashed the frequency of frequency.

2. Gyroscope calibration operation

Place the drone at the horizontal position, press the "gyroscope calibration" button (Figure 1), the drone indicator flashes, and then the front light is turned on, the rear light flashes, and the remote control emits a "DI" sound, indicating the calibration to indicate the calibration success.

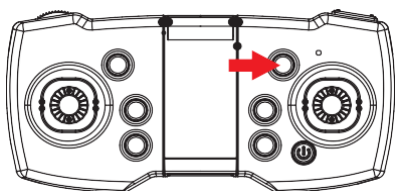
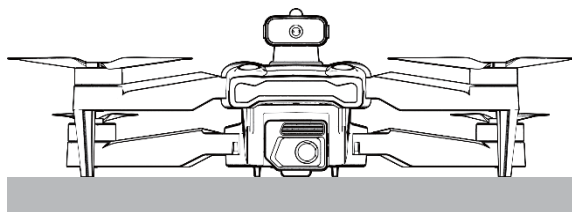


Figure 1



3. Calibrate geomagnetic operation

The geomagnetism is easily interfered by other electronic equipment, which will cause abnormal data to affect the flight. For the first use, you must perform a geomagnetism calibration, and calibrate the geomagnetism according to the following steps:

Press the remote control (Figure 2) button, and the remote control emits a "DI" sound. The lights of the drone flashes slowly, and you can calibrate at this time.

Take the drone in your hand, slowly turn 3 laps in the horizontal direction (Figure 3), and the front and rear lights of the drone are slowly flashed and the front lights are turned on long. "DI" indicates that the level calibration is successful. At this time, it can be performed (Figure 4) vertical direction. The head of the machine slowly rotates 3 laps under the downward clockwise clockwise, and the drone indicator lights slowly flashes long and bright.

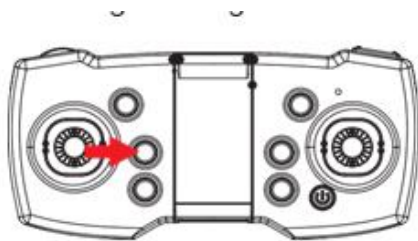


Figure 2



Figure 3



Figure 4

4. Search for GPS signals:

After the geomagnetic school is completed, put the aircraft on the horizontal plane, and the aircraft will automatically search for star. The aircraft's back arm indicator light slowly flashed and turned on, and the remote control issued a "DI" sound, indicating that the search star was successful. At this time, the remote control "unlock button" (Figure 5) can fly.

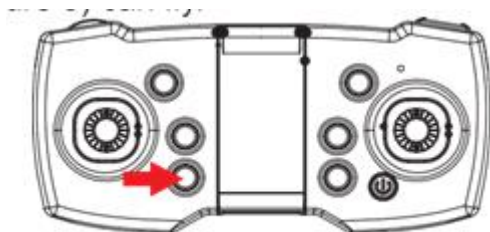


Figure 5

Special Note:

1. Please ensure that the take-off environment is an open outdoor environment, and the satellite signal before take-off is greater than 9 stars.

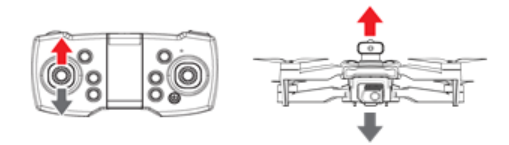
2. The latitude and longitude of each region are different. New customers must calibrate once. For example, the difference between Guangdong and Beijing is 28 degrees. Therefore, non-calibration means forward and backward flight instead of straight flight. Calibration is for the accuracy of the barometer to measure altitude.

9. BASIC FLIGHT:

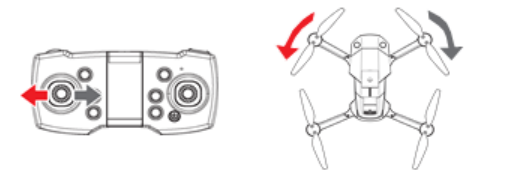
Basic flight steps:

1. The remote control and the drone are coded, and the drone is initialized.
2. Geomagnetic calibration. (No need to calibrate again at the same place)
3. Connect the mobile phone Wi-Fi to the mobile phone and open the mobile APP.
4. After the aircraft is calibrated, wait for the satellites to be received, usually 60-80 seconds (above 9 stars) to unlock the flight.

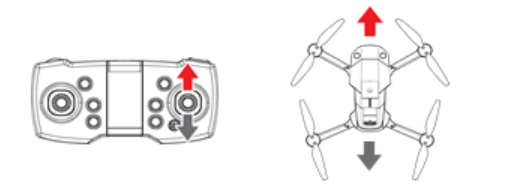
10.MANIPULATION METHOD:



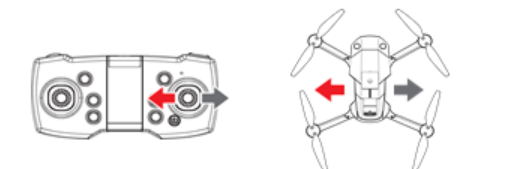
When the left lever (accelerator) is pushed upwards, the speed of the main wind blade increases and the aircraft goes up.



When the left lever (rudder) is pushed to the left, the aircraft head turns to the left, when pushed to the right, and the head turns to the right.



When the right lever (rudder) is pushed up, the aircraft goes forward. When the right lever (rudder) is pushed down, the aircraft goes backward.



When the right lever (rudder) is pushed to the right, the aircraft flies to the right. When the right lever (rudder) is pushed to the left, the aircraft flies to the left.

Warning: When the Drone is 30 cm away from the ground, the Drone will become unstable due to the influence of its own blade eddy current, which is called "ground effect reaction". When the height of the Drone is lower, the effect of ground effect reaction is the largest.

11.OPERATION DESCRIPTION OF REMOTE-CONTROL FUNCTION

1. Drone Unlock: When the drone has successfully positioned itself outdoors, the drone needs to be unlocked to start, press and hold the remote control. Press the "unlock" button (Figure 1). At this

time, the four propellers rotate at the same speed, indicating that the unlocking is successful. When the unlocking is completed, the UAV can operate and fly normally

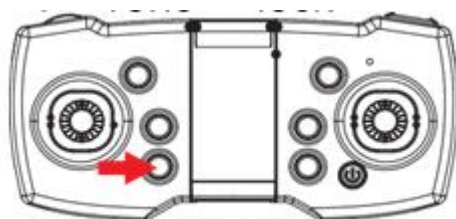


Figure 1

2. Speed gear adjustment: The take-off speed gear of the drone defaults to the slow gear. When the drone is flying in the air, the speed can be adjusted through the fast and slow speed gear (Figure 2). Short press the speed button and the remote controller will beep twice to indicate entering Second gear, short press the speed button again, the remote control will return to the low gear with a beep.



Figure 2

3. Camera angle adjustment: During the flight of the UAV, the camera angle can be adjusted through the camera adjustment button (Figure 3). Press the left button and the camera angle is up, press the right button and the camera angle is down.

4. One-key for return: After the GPS function is turned on outdoors and the satellite is searched for calibration and takeoff, if the drone is flying far away or the drone is in a low battery state, press the one-key return button, and the drone will return to the initial take-off position.

Return:

The aircraft has a home return function. If the home point is successfully recorded before takeoff, the

remote controller and the aircraft lose the communication signal or the home key is pressed, the aircraft

will automatically return to the home point and land to prevent accidents. The aircraft has three different ways to return to home, namely: one-key return, uncontrolled return, and low battery return.

Home Point

During takeoff or flight, when GPS receives more than 9 stars for the first time, it will record the aircraft's current position as the home point.

One-press for return

When the GPS signal is good (the number of satellites is greater than 9), you can start the aircraft to return to home by pressing the "one-key return" button on the remote control. The return process is the same as the out-of-control return. The difference is that when the aircraft returns to home and lands, the user can control it with the joystick. The aircraft can avoid obstacles, and then press the "one-key return" button on the remote control to exit and return, and the user can regain control.

! Note for returning home:

1. During the automatic return, the aircraft cannot avoid obstacles.
2. When the GPS signal is poor or the GPS is not working, it cannot return home.
3. If the aircraft does not receive the satellite and the remote-control signal continues to be interrupted for more than 6 seconds, the aircraft will not be able to return home and will descend slowly until the landing is locked.

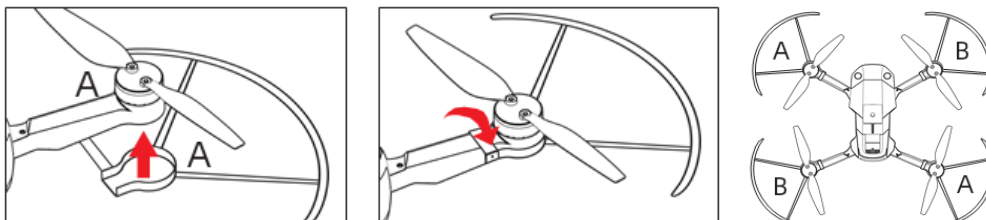
Low power return:

The low-voltage indicator of the aircraft will flash slowly, and the aircraft will automatically return to the vicinity of takeoff 30 meters (after low power, the aircraft will return to the vicinity of the take-off point, and the aircraft's altitude and distance will be limited to within 30 meters)

If the aircraft voltage is lower than the safe value, it will automatically land to the home point.

! Reminder: The aircraft is in the low power return state, and the remote controller cannot cancel the return.

Install a protective rack

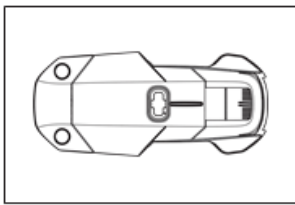


Press the position of the protective rack on the position of the arm of the arm, and then deduct it tightly. Note that the A protective rack corresponds to the A arm, and the B protective rack corresponds to the B arm.

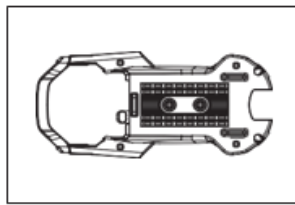
12. RESOLUTION GUIDE FOR COMMON PROBLEMS

Problems	Solution
After the aircraft is powered on, the indicator light keeps flashing rapidly	The aircraft is in the gyroscope detection state, please place the aircraft on a stationary surface or on the ground
After taking off, the aircraft can't hover, it leans a lot to one side	Place the aircraft on a flat or level ground and re-calibrate the gyroscope
The aircraft vibrates very badly	The blades are deformed and need to be replaced
The aircraft cannot be unlocked and the indicator light flashes quickly	The aircraft battery voltage is too low, please fully charge the battery
Unsteady flight of gale aircraft	Wait for 4-5 gusts to fly
Unable to hover, keep going in circles	The geomagnetism calibration is unsuccessful, re-calibrate the geomagnetism

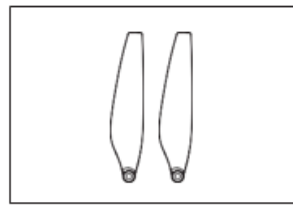
13.ACCESSORIES



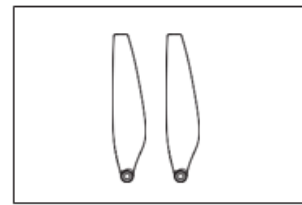
Upper cover



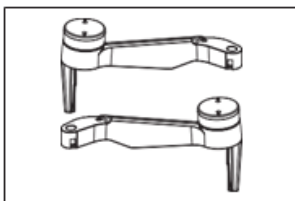
Lower lid



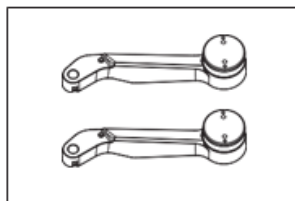
Paddle A



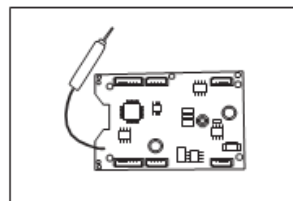
Paddle B



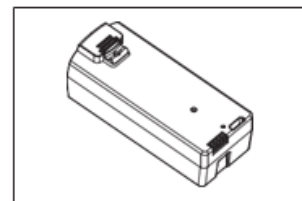
Front arm



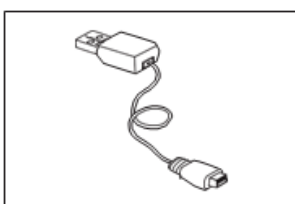
Rear arm



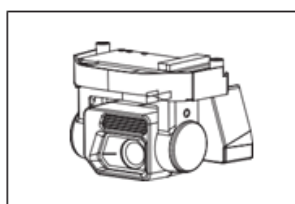
Circuit board



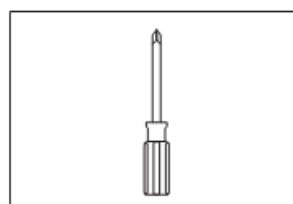
Battery



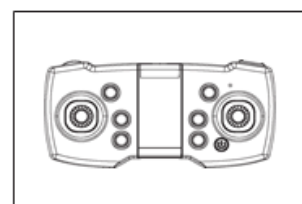
USB charging cable



camera



Screwdriver



Remote control