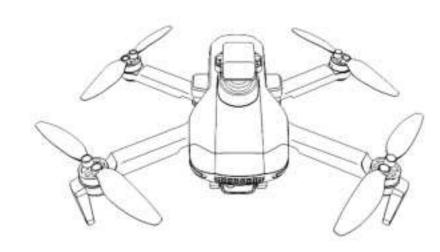
GPS QUADCOPTER AERIAL PHOTOGRAPHY UAV

OPERATING INSTRUCTIONS



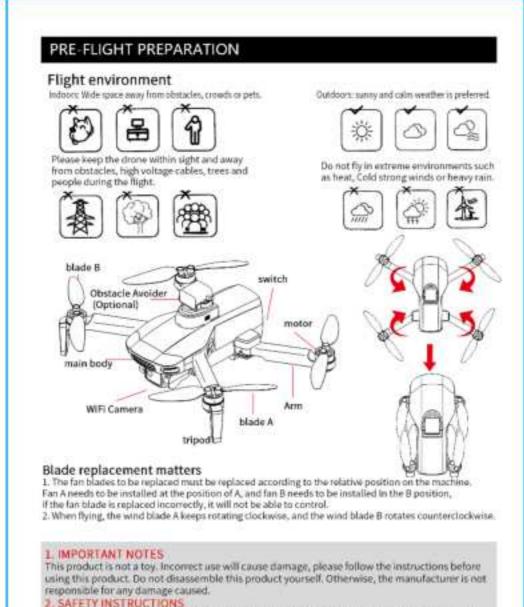
Safety precaution:

 In order to ensure the electromagnetic environment of aeronautical radio stations (stations): it is prohibited to use the center of the airport runway as the center of the circle, various model remote controllers are used in a radius of 5000M. During the period when the relevant state departments issue radio control orders, in the area, the model remote control should be stopped s required. Choose to fly in warm, sunny and windless weather, do not fly in overheating, When flying under severe weather conditions such as excessive cold, strong wind, and heavy rain, choose indoor or outdoor open spaces, and fly with people, pets, Keep a safe distance from overhead wires and other obstacles, confirm that no other use the same frequency, and do not let the aircraft out of sight: . After the aircraft is started, Please do not touch 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 use of the aircraft, the battery and motor will generate high temperature, please do not touch it to avoid the risk of burns

. Do not look directly at the beam of the light-emitting diode, so as not to affect the eyes.

It is recommended that beginners practice flying at a low altitude in an open and unmanned place for about 3 days, and then fly to a high altitude after being familiar

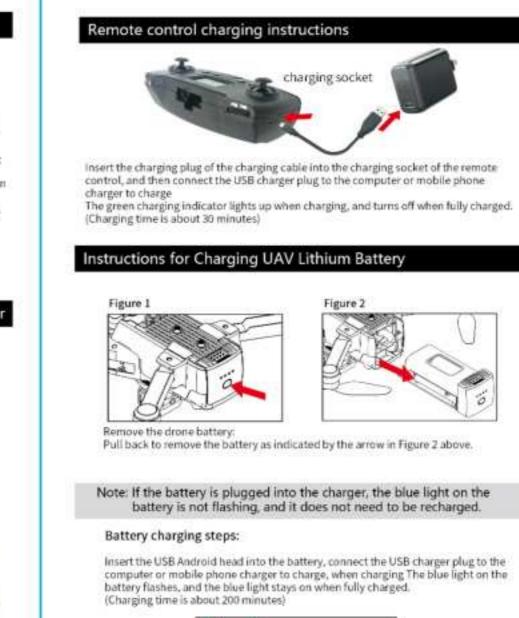


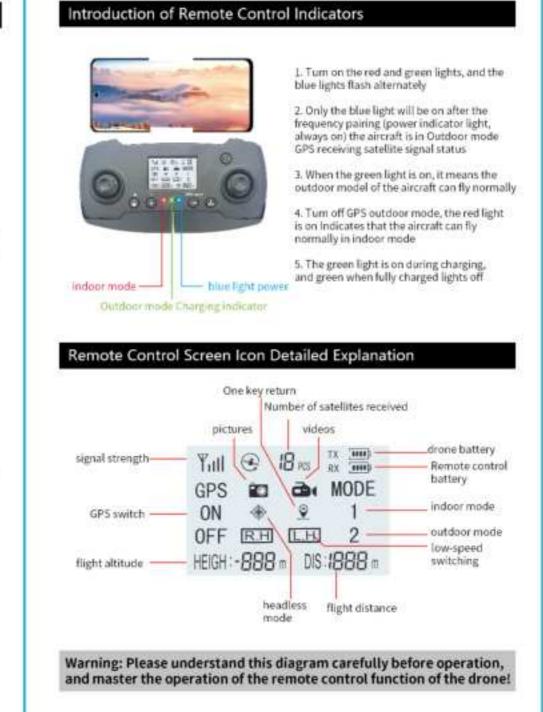


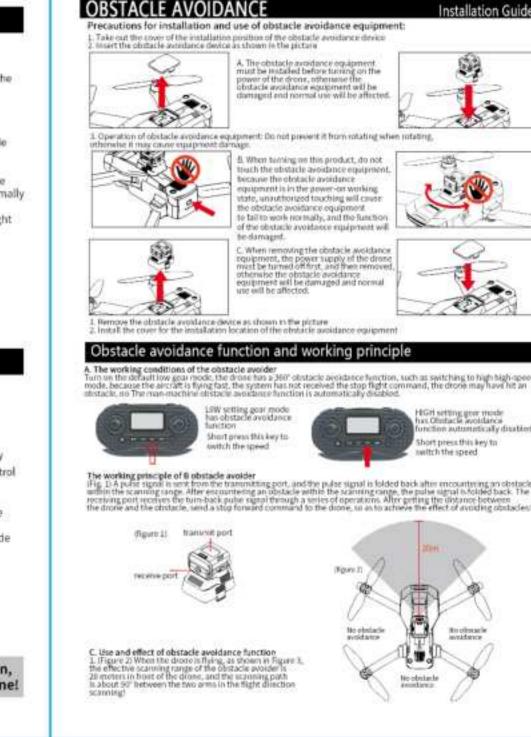
Install the phone holder into the remote control (picture 1), Pull up to place the phone

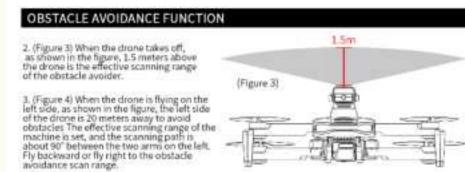
(Figure 2). Remote control handle: put the handle at the bottom of the remote control

Pull down from the neutral position and rotate into place.



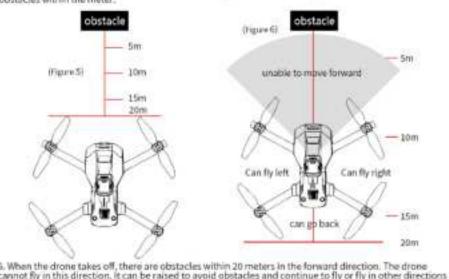






4. (Figure 5) The position where the drone stops flying is determined by the flight speed, when the drone is flying at full speed, when the drone is rying at full speed in a low gear. After the drone scans the obstacle at 20 meters, it starts to calculate and sends a stop flight command. The stop position of the drone is determined by the flight speed (the faster the flight speed, the closer the distance between the rone and the obstacle, the opposite flight, he slower the speed, the farther the distance setween the drone and the obstacle)

5. (Figure 6) When the drone encounters an obstacle and hovers within the scanning range of 20 meters in the flight direction, the drone cannot continue to fly in this direction. Fly in the direction of no



If the drone encounters an obstacle during GPS intelligent return, the obstacle avoider will scan the obstacle and rise to a safe height again before returning.

1. The remote control is paired with the drone, and the drone is initialized. 2. Geomagnetic calibration. (No need to calibrate again at the same location)

Warning: To fly in a safe area or away from others, do not control the aircraft over crowded people. When the

or indoor and outdoor flight (wind level no more than 4), please choose one, where there are no obstacles,

crowds and pets, passers by, such as heating source , heat source, wire or electronic power supply will not be subject to collision landing, entanglement, resulting in lire, electric shock and resulting in loss of life and

note control aircraft is flying, due to the pilot's operation error or wireless interference, accidents and failures re likely to occur, and it is easy to cause damage or injury to the crowd.

Frohibited: When flying especially indoor and outdoor, please keep away from obstacles, this product is suitable.

3. Connect the mobile phone to Wifi and open the mobile app

It is mainly suitable for people over 14 years old, it is difficult to start learning.

It is recommended to ask an experienced pilot to guide.

4. After the aircraft is calibrated, wait for the stars to be collected, usually 60-60 seconds

Preflight Environmental Requirements

Please choose an open room or an outdoor environment with no rain and snow and wind less than level 4 to fly. Please stay away from crowds, trees, wires, Tall buildings, airports and cell towers, etc.

Drone Flight Tutorial

(more than 9 stars) to unlock the flight.

Insert the drone battery into the drone battery slot in the correct direction, place the drone on a level ground and turn an the power, then turn it on again The remote controller is powered on. At this time, he remote controller beeps three times in a row, and the indicator light of the aircraft is always on, indicating that the frequency is successful.



Gyro calibration operation

Place the drone in a horizontal position, press and hold the "gyro calibration" button on the remote control (above), press and hold for 3 seconds, the drone's light flashes quickly and becomes long on, and the remote control emits a "Di" sound, Indicates that the calibration was successful.



3. Turn on indoor mode Press and hold the GPS switch button for 3 seconds (Figure 2), the remote control will "Di", and the indoor mode will be turned on. At this time, the rear light of the drone flashes slowly

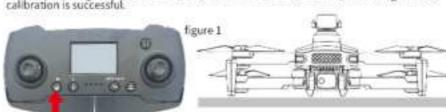


Outdoor Mode Tutorial

phone stand:

Insert the drone battery into the drone battery slot in the correct direction, place the drone on a level ground and turn on the power, then turn it on again he remote controller is powered on. At this time, the remote controller beeps three times In a row, and the indicator light of the aircraft is always on, indicating that the frequency is

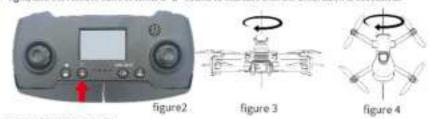
Place the drone in a horizontal position, press and hold the "gyro calibration" button on the remote control (Figure 1), press and hold for 3 seconds, the drone's light will flash quickly and become long on, and the remote control will make a "Di" sound, indicating that the



3. Calibrate Geomagnetic Operation

The geomagnetism is easily interfered by other electronic devices, which will cause abnormal data to affect the flight. For the first use, geomagnetism calibration must be performed. Follow the steps below to calibrate the geomagnetism:

After long pressing the button on the remote control (Figure 2) for 3 seconds, the remote control will emit a "D" sound, and the drone indicator will flash quickly. At this time, the calibration can be performed. Hold the drone in your hand, and press (Figure 3) Slowly rotate 3 circles clockwise in the horizontal direction. The indicator light on the front of the drone changes from fast flashing to long un, and the remote controller emits a "D" sound, indicating that the horizontal calibration is successful At this time, it can be carried out (Fig. 4) in the vertical direction, and the nose of the machine is slowly rotated clockwise for 3 circles. After the drone, the indicator light flashes quickly and turns into a long light, and the remote control emits a "D" sound to indicate that the calibration is successful.



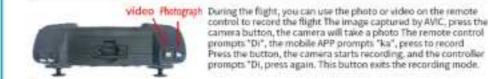
4. Search GPS signal:

After the geomagnetic calibration is completed, place the aircraft on the horizontal plane, and the aircraft will automatically search for satellites. At this time, the front and rear indicators of the aircraft flash alternately slowly until they become solid lights. Press "unlock button" (picture 5) on the remote control to fly.

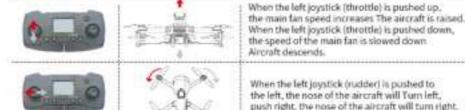
SPECIAL NOTE: 1. Please ensure that the take-off environment is an outdoor open space, and the satellite signal is greater than 9 satellites before take-off. 2, The latitude and longitude of each region is different, new customers must calibrate once, such as Guangdong and Beijing The difference is 28 degrees, so the non-calibration performance is that forward and backward are not straight flight, the calibration is

In order to measure the height of the barometer accurately.





ontrol method:



When the left joystick (rudder) is pushed to the left, the nose of the aircraft will Turn left, push right, the nose of the aircraft will turn right.



When the drone is at a position of 30m from the ground, the drone will be affected by its own blades and become unstable, which is called "ground effect response". The lower the drone height, the greater the impact of the ground effect response.

Remote control function operation introduction

Unlock the drone (Figure 1)

When the drone successfully searches for satellites outdoors, the drone needs to be unlocked to start. Short press the "unlock" button on the remote control (Figure 1). At this time, the four propellers rotate at the same speed at the same time, indicating that the unlocking is successful. When the inlocking is completed. The drone can operate normally.

left, the aircraft moves to the left flight.

Speed gear adjustment (Figure 2)

The take-off speed gear of the drone is slow by default. When the drone is flying in the air, adjust the speed through the fast and slow speed gear (Figure 2). Briefly press the speed button, the remote control will return to the low gear with a "Di" sound.



mera angle can be adjusted through the camera adjustment knob (Figure 3). Turn the knob to he left to decrease the camera angle. Turn the knob to the right to raise the camera angle.

During the flight of the drone, the

4. Headless Mode (Figure4)

Put the drone directly in front of the remote, with the nose of the drone facing forward, calibrate the drone horizontally and take off after the frequency alignment. During the flight, press the key of headless mode (Figure 4) on the remote controller "Di Di Di", there times, it means that the drone enters the headless mode, and the indicator light of the drone flashes slowly at this time. If you want to exit the headless mode, press the button of the headless mode some flashes showly as the button of the headless mode search and the remote controller make a been néadless mode again, and the remoté control will make a beep, and the headless mode will be exited, model.

Please make sure that the operator is facing the same direction from beginning to end, which is the same as the direction when the aircraft takes off. At this time, no matter which direction the aircraft is facing, if the operator moves the direction stick to move back, the aircraft will move back towards

5. One key return home After Fuscal turns on the GPS function and searches for satellites to calibrate and take off, the drone files farther or the drone is in low power state, press the one-key return button, the drone will flywill return to the original take-off position.

The aircraft has a return to home function. If the home point is successfully recorded before takeoff, the communication signal or connection between the remote controller and the aircraft will be lost. When the home button is pressed, the aircraft will automatically return to the home point and land to prevent accidents. The aircraft has three different ways to eturn to home, namely: one-key return, no signal return, and low hottery return.

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

One key return home:

When the GPS signal is good (the number of satellites is greater than 9), you can press the "One Key Return" button on the remote control to start the aircraft to return. The aircraft can avoid obstacles. nd then press the "One Key Return" button on the remote control to exit the return home, and the





When the GPS signal is good (the number of satellites is greater than fr), the compass works normally, and the aircraft successfully records the home point. If the remote control signal continues to be interrupted for more than 6 seconds, the flight control system will take over the control of the aircraft. nd control the aircraft to fly back to the recorded return point. If the remote control signal is restored during the Right, the return-to-home process will continue, but the user can cancel the return-to-home through the remote control return button and regain control of the aircraft.

! Notes for return flight: During the auto-return process, the aircraft cannot avoid obstacles.

2 When the GPS signal is poor or the GPS is not working, it is impossible to return home, 3 If the aircraft does not receive the satellite display, and the remote control signal continues to be interrupted for more than 5 seconds, the aircraft will not be able to return to the home. Descend until the landing is locked.



A Sersinder: The aircraft is in a low power return-to-horse state, and the remote control cannot cancel the return-to-horse.

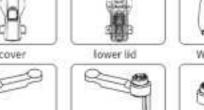
common problem solving guide:

QUESTION	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 plane or on the ground
After the aircraft takes off, Can't hover, leans more to one side	Place the aircraft on a flat or level ground and re-calibrate the gyrosco
The aircraft vibrates violently	The fan blades are deformed and need to be replaced
The aircraft cannot be unlocked, and the indicator light flashes quickly	The battery voltage of the aircraft is too low, please fully charge the battery
Unsteady flight in strong wind	Wait for less than 4-5 gusts before flying
Can't haver, won't circle	The geomagnetic calibration is unsuccessful, re-calibrate the geomagnetism

Front left arm

circuit board

screwdrive



Front right arm

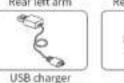
B-attery

phone stand

Wind leaf A

Wind leaf B









obstacle avoider

FCC WARNING

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.

Any 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 technic ian for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.