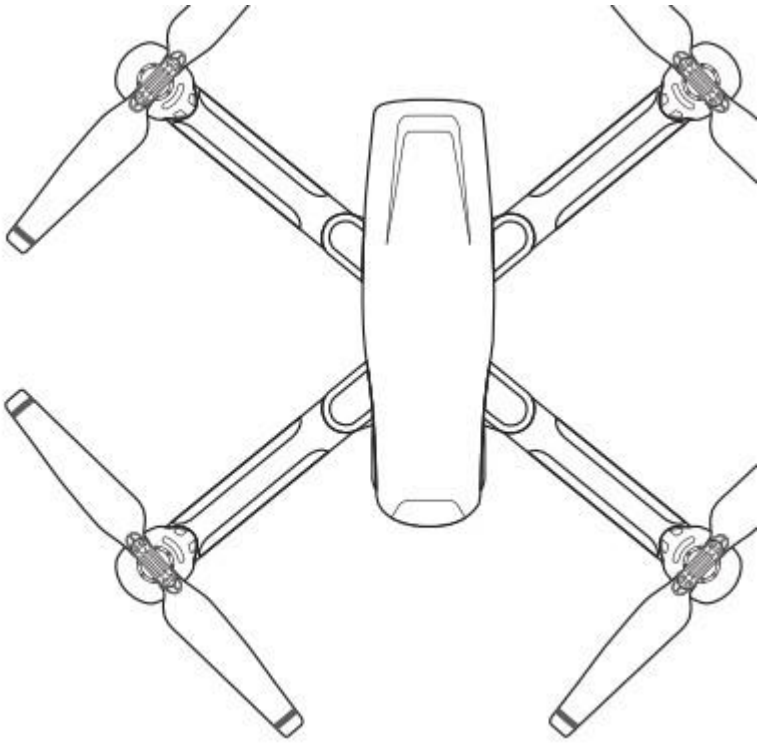
Product Name	**GAOTek Handheld Photography Long-Range Drone**
Product SKU	**GAOTeK-LRD-122**
Product URL	https://gaotek.com/product/gaotek-handheld-photography-long-range-drone/

Contact us: sales@gaotek.com

Contents

GAOTek Handheld Photography Long-Range Drone

Foldable Drone



● To ensure the electromagnetic environment requirements of airport radio stations,10 km to the side and 20 km to both ends of the airport runway) and civil aviation routes and routes, stop using various models & drones. In no-fly zones issued by relevant state departments, stop using all kinds of models & drones.

FOREWORD

Thank you for purchasing this product. To make it easier and more convenient for you to use the Drone. Please read the manual carefully before operating it, and please keep the manual in a safe place for future reference.

IMPORTANT STATEMENT SAFETY PRECAUTIONS

1. This product is not suitable for users under age 14. This product is precision equipment that integrates expertise in machinery, electronics, aerodynamics, high-frequency emissions, etc. and requires correct assembly and debugging to avoid accidents. The product owner must use a safe method to operate the drone; improper operation may cause serious personal injury or property damage.

2. The product is suitable for people who have experience in operating model aircraft and are aged 14 and up.

3. In case of problems in use, operation and maintenance. Contact your local dealer or related person.

SAFETY PRECAUTIONS

The aircraft must keep away from the crowd when flying. Improper assembly or damage to the airframe, poor electronic control, and unfamiliar operation may cause unpredictable accidents such as aircraft damage or personal injury. The operator must pay attention to the safety of the flight and must understand the responsibilities caused by his negligence.

1. Keep away from obstacles and people The fast-rotating motors and propellers are a potential hazard to cause serious damage and injury. It must be kept away from the crowd, buildings, high-voltage power lines, etc. While avoiding flying in severe weather such as wind and rain, to ensure the security of pilots or people around and the property security.

2. Keep away from a humid environment The interior of the drone is composed of many precise electronic components and mechanical parts. Therefore, it is necessary to prevent the aircraft from getting wet or moisture entering the aircraft body, to avoid accidents caused by mechanical and electronic components failure.

3. Proper use of this product, please use our original parts for modification or maintenance to ensure flight safety. Please operate and use the product within the scope permitted by the product function, and it shall not be used for any illegal purpose other than safety regulations.

4. Avoid manipulation alone

Before flying, please do some practice with a simulator or seek instruction from a professional.

5. Safe operation

Please operate the remote-control drone according to your own status and flying skills. Fatigue, mental retardation, or improper operation will increase the risk of accidents.

6. Keep away from high-speed rotating parts Please keep the pilot, surrounding people, and objects away from the fast-rotating motors to avoid danger and injury.

7. Keep away from heat sources

The control drone is composed of metal, fiber, plastic, electronic components, and other materials. Therefore, it should be kept away from heat sources as much as possible to prevent sunlight, deformation, and even damage due to high temperature

WARNING

1. The packaging and instructions contain important information and should be retained.

2. It is your liability for damage and injury to people and property.

3. The commissioning and installation of the DRONE must be operated strictly by the operating instructions. A safe distance of 1-2 meters must be maintained from the drone at all times while it is operational. It will cause injuries.

4. Our company and the seller adopt no liability for any loss and damage caused by improper use or operation, and human injury.

5. Children should be supervised by an adult when operating the Drone. This product is prohibited for children under age 14.

6. Please follow the instructions or package instructions for proper installation and use. Some parts should be assembled by adults.

7. The product contains small parts, please keep it out of the reach of children to avoid choke Hazards.

8. It is strictly forbidden to play on the road or in the place where there is water, to avoid accidents.

9. Please pack up the packing materials in time to avoid harm to children.

10. Do not try to disassemble or repair the product yourself. Disassembly or modification may cause the aircraft to malfunction.

11. The battery in the charger battery box must be plugged into the specified power source as marked on the product.

12. The remote control uses a 3.7V built-in lithium battery and does not need to be replaced.

13. Only use the original charger provided.

14. The charger is not a toy.

15. When charging the rechargeable battery, it must be under the supervision of an adult, and do not charge the battery next to inflammable materials, Do not leave the battery unattended while charging.

16. Please do not short-circuit or squeeze the battery to avoid explosion.

17. Do not mix different types of lithium batteries.

18.The drone uses 1x 7.4V 2000mAh lithium battery.

19. Do not short-circuit, disassemble, or throw the battery into a fire; do not place the battery in a hot or heated place (such as in a fire or near an electric heating device).

20. Remove the battery from the drone if it is used.

21. The power terminals should not be short-circuit.

22. The Drone should be used as far away as possible from other electrical equipment and magnetic objects, as they may cause mutual interference.

23. Please keep a safe distance from the fast-rotating motors and propellers to avoid the risk of injury or cut.

24. The motor is a heating component. Do not touch it to avoid burns.

25. Light-emitting diode laser radiation, does not direct light beam.

26. Do not use the model near your ears! Misuse can cause hearing damage.

27.USB:5V 2A

28. Do not fly the drone in the magnetic interference area, radio interference area, and government-regulated no-fly zones.

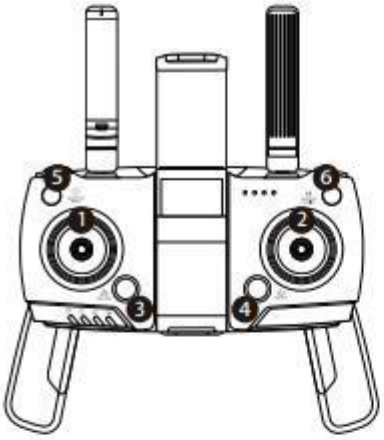
SAFE FLIGHT

Do not above or near people, trees, high-voltage power , buildings, airports or waters, and high-intensity power lines or base stations, as it may affect the compass on the drone.

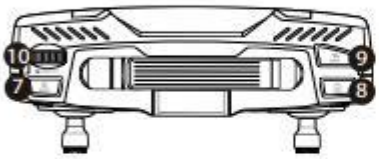
Do not use the drone in severe weather conditions,such as a rainy, snow, fogday and windy day (the wind speed is more than 10m/s or 22mph).

Understanding of the safety guidelines is important for safe flight.
Please read the safety instructions carefully before flying.

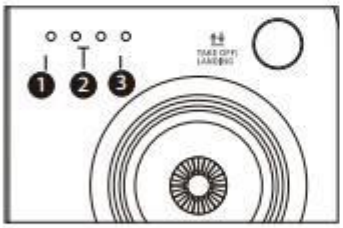
TRANSMITTER



1. Throttle stick
2. Direction joystick
3. Return to home
4. "On/Off" short press to turn on
   Long press to shut down
5. Headless mode (short press)
   No-GPS mode (long press)
6. One-key take off / landing

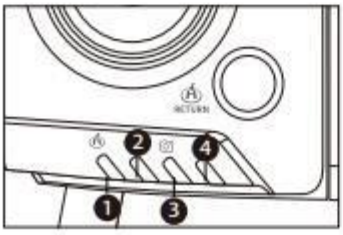


7. Photo
8. Video (short press to start,
   long press to exit)
9. Speed Switch (default low
   speed)
10. camera Tilt



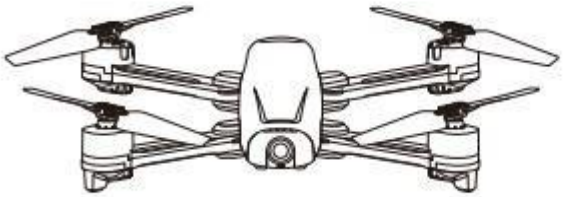
1. Power - red light
2. Battery status light.
3. Charging light.

Low—Electricity—High



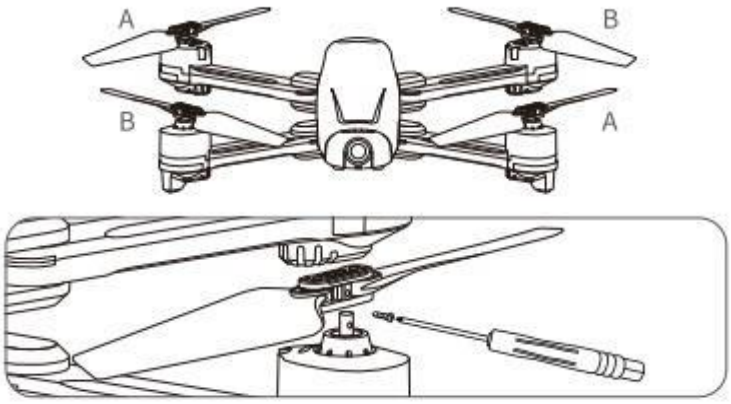
1. Return home Indicator
2. Homeless Indicator
3. Photo/Video Indicator
4. Speed Indicator

DRONE DIAGRAM

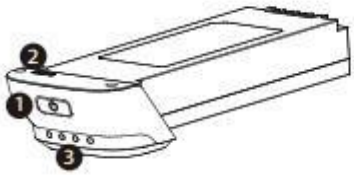


1.HD camera
2.Propeller
3.motor
4.LED light
5. lithium battery

1.Propeller installation
Fit the spare propeller into the drone,make sure the mark (A/B) on the propeller is the same as the mark on the arm of the drone. If the installation is incorrect, the drone will not fly normally.



2.Aircraft lithium battery

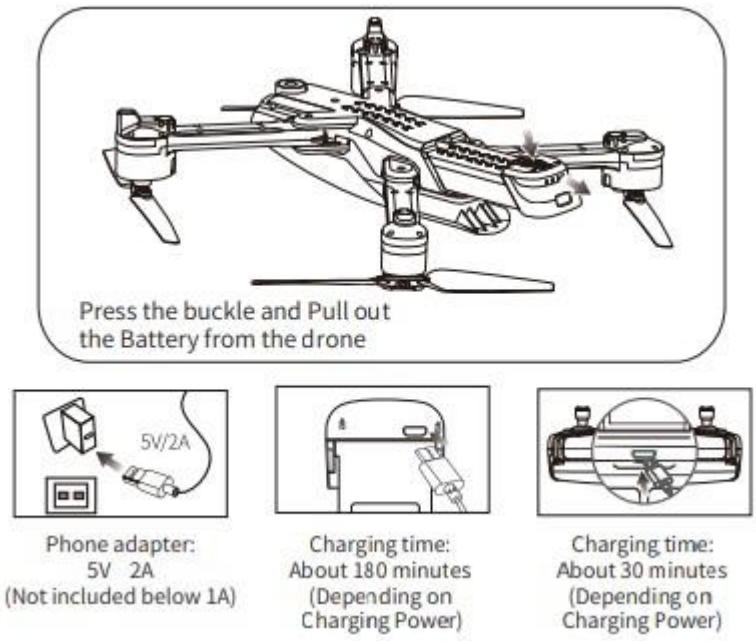


1.Battery switch
2.USB interface
3. Battery level indicator

Low—Electricity—High

- Turn on the Drone by pressing and holding the On/Off button for 3s Press and on/off button on to turn it off.
- Once the battery is in a low battery state, the battery indicator will remain solid green. At this time, please fly the drone back immediately and charge the battery to avoid unnecessary losses.

DRONE BATTERY AND REMOTE-CONTROL CHARGING



Remark:

When the remote control is on low power, the indicator on the remote control will start flashing. In this case, please stop flying as soon as possible and charge the drone battery or remote-control battery.

Lithium battery charging instructions

1. Balance charging: Insert the USB interface of the USB charging cable into the USB port of the computer, and connect the other end of the USB charging cable to the charging port of the battery. The indicator light flashes green. When charging, When the battery is fully charged, the indicator is solid green and charging is complete.

2. You can use mobile power or car power for charging.
3. The charging time of the lithium battery of the aircraft is about 180 minutes, and the flying time is about 20 minutes.
4. When the Drone's lithium battery power indicator is off, it means that the power adapter's power is insufficient. (Need to replace the adapter power in this case)
5. The remote charging time is about 30 minutes (the battery indicator flashes Red when charging, and the indicator solid Red when fully charged).

Note when charging:

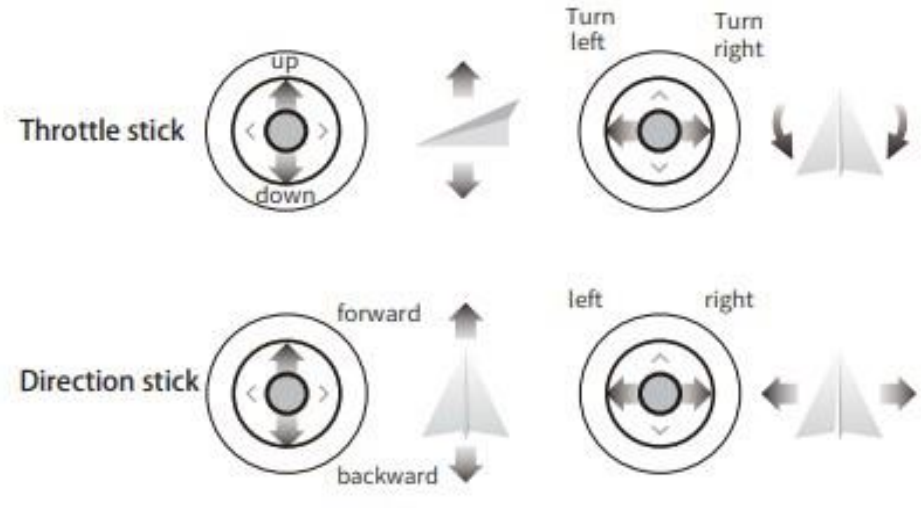
※ Do not place charged batteries in places where high temperature and heat, such as open flames or electric heating devices, otherwise will cause. an explosion.

※ Do not hit the surface of hard objects with the battery. ※ Do not disassemble the battery.

※ Do not immerse the battery in water. Store the battery in a dry place.

※ Do not leave the battery unattended while charging.

REMOTE CONTROL OPERATION METHOD



GUIDELINES FOR FLIGHT OPERATIONS

Due to the large volume of this aircraft, we only recommend customers to use this product outdoors to avoid unnecessary loss or damage.

Step 1: Turn on the drone,place it on a flat surface placed.
- Then the drone enter the link state,the front LEDs flash red and the rear LEDs flash blue.

Throttle stick

Step 2: Turn on the remote control
- Shortly press the On/Off button on the remote to turn on it and there is a beep from the remote.Push the Left Control Stick forward to the top,then pull it backward to the bottom.Pairing is completed when the front LEDs and rear LEDs are solid on.

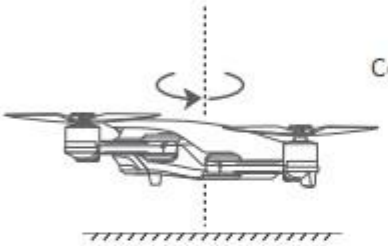
BJ-GPS

Step 3: Connect the APP
- Open the WI-FI function of the mobile device, select "BJ-GPS-******" in the WI-FI list, open the app "BJ-GPS", and enter the control page

Throttle stick Direction stick

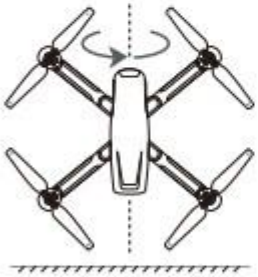
Step 4: Compass Calibration

- Push the throttle stick of the remote control to the "1" o'clock position, push the direction stick ,To the "11" o'clock position.
  and there is a beep from the remote.
  The front LEDs flash red slowly and the rear LEDs flash blue slowly.
  App status bar shows: "Enter Compass Calibration"



Compass Calibration Step 1

- Hold the drone horizontally and make a 360 degrees rotation at least three times until you hear a beep from the remote.
  The front LEDs are from flash to solid red.



Compass Calibration Step 2

- Hold the drone vertically with its head facing down and make a 360 degrees rotation at least three times until you hear a beep from the remote.The rear LEDs are from flash to solid blue.
  APP status bar shows: "Compass calibration successful"

Step 7: GPS Satellites Searching

- Place the drone on an open horizontal surface
  GPS search: solid red (front) + solid blue(rear)
  GPS search success:solid red (front)+ solid green(rear)
- App status bar shows: "GPS mode"

Throttle stick Direction stick

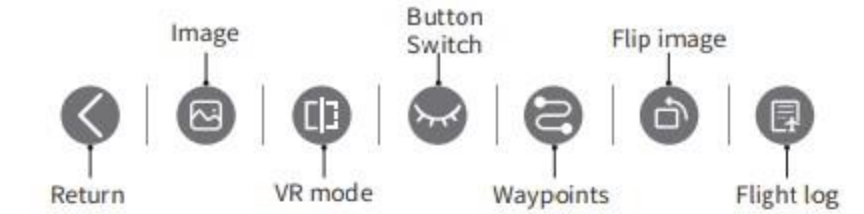
Step 8: Restore factory settings / flat gyro calibration
- Place the DRONE on a surface,push both control sticks to the 7 o'clock position.
- Flash red (front) + flash blue / green (rear) Gyroscope calibration in progress
- Solid red and solid blue: Gyroscope calibration is complete

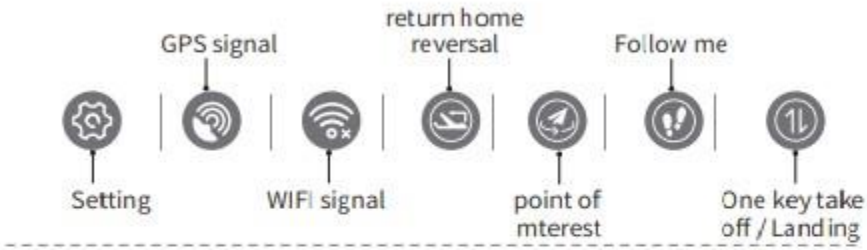
Throttle stick Direction stick

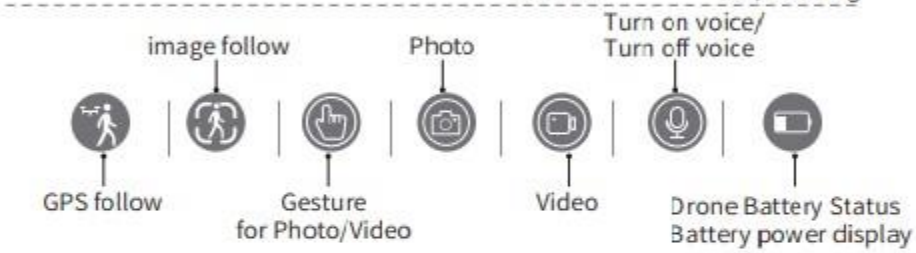
Step 9: Unlock the motor
- Push the throttle stick on the remote control to the 7 o'clock position and the direction stick At 5 o'clock, the motor automatically unlocks, directly pushes the throttle stick to take off,Or press the "one key take off" button.
- Cancel motor unlock:
  ① Repeatedly push the throttle lever on the remote control to the 7 o'clock position, and the direction lever to 5 Point, the motor stops working.
  ② After the motor is unlocked, it will stop automatically after 20 seconds of non-operation.

Left and right hand throttle switch
- The remote control is not operated.
- First press and hold the "speed key" on the remote control, then press
  The "switch" button "beep" from the remote mean it switch to the right-hand throttle,
  After restarting, return to the left-hand throttle.

Attitude mode
Tip: In the environment with poor GPS signal, such as indoor, the drone will stay for a long time.Between-solid red(front) + solid blue (rear) ; If need to take off again You can press and hold the headless mode button on the remote control to turn off the GPS function. The drone enters attitude mode and can take off, but all GPS functions are turned off.
- App status bar shows "Attitude Mode"







APP ONE KEY SHARING FUNCTION

1. Open the app and click into the folder (Figure 1)
2. You can select the pictures you want to shared individually or all (Figure 2).
   Click the share button to select Platforms to share (Figure 3).

Tip: You can share a single photo or 9 photos at the same time. You can only select one video at a time to share.

CAMERA FUNCTION

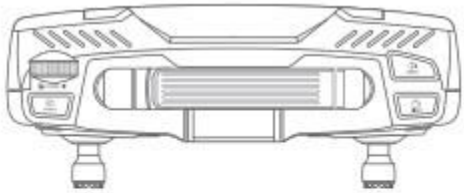
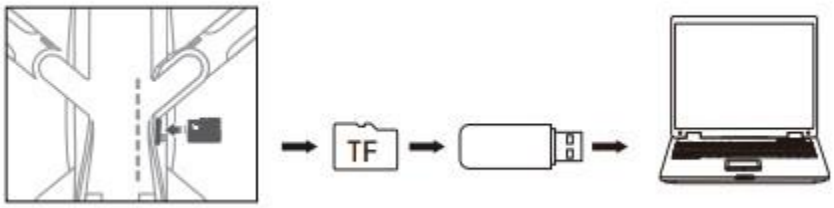


PHOTO Take a photo

VIDEO Video

① Press the button PHOTO on the remote control, or click the button on the APP interface.The green indicator light on the LED flashes once to indicate that the camera is taking a picture.
② Press the button VIDEO on the remote control once, or click the button on the APP.The green indicator light starts flashing, indicating that the camera is recording.
③ Press again VIDEO or to stop recording and save the video to APP and TF card.(Please do not take photos when recording)

Note: When using the "BJ-GPS" APP, the original pictures and videos captured by the camera will be compressed and saved to the phone.



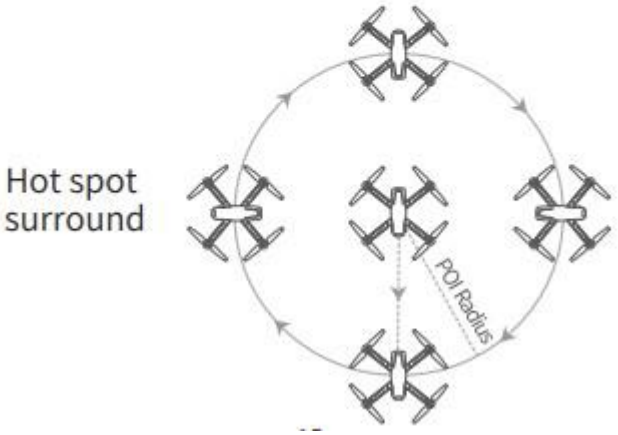
④ The original pictures and videos captured by the camera will be saved on the TF card.Tap the TF card on the camera to remove the TF card. After loading the TF card into the card reader, it will read the card Connect the USB port on the computer to read the data on the TF card. You can read the captured pictures and videos on the picture view on the APP.

WAYPOINTS

Before using this function, make sure that the mobile phone has cached the local map. If not, then connect to the external network to connect the aircraft to WIFI. After entering the APP operation interface, click the "waypoint" function icon. A red circle (fly-limit range) appears on the map Take-off position / current position of the aircraft. Plan your favorite route within the red circle. You can click up to 16 waypoints. If you want to re-plan the route points, you can click "Delete one" or "Delete All". Click Send (total distance of points is displayed) and confirm execution. Pushing the direction lever after execution can be cancelled. (Internet), enter the "route planning" cache map and connect your phone to the aircraft WIFI again.

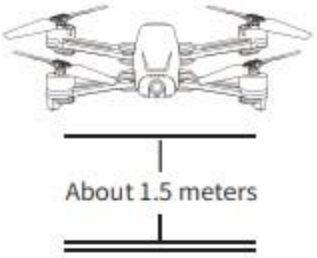
POINT OF INTEREST(POI)

1. Hold the drone at the orbit center point.
2. Tap to activate POI based on GPS Mode during fling.
   Enter the POI Radius and tap ok to start.The drone will circle around the current point of the drone while keep that point centered in the fram.Tap again during the flight to exit.
   Reminder: This function is only available in outdoor open environment



PRODUCT FUNCTION ANALYSIS

1.ONE KEY TAKE OFF/LANDING



⚠ After unlocking the aircraft, please press ⇅ to take off at a height around 1.5 meters (make sure the head is facing forward).Tap again ⇅ and the drone will land automatically. Please note that when the drone is in operation, do not touch the propeller or motor in operation to avoid unnecessary injuries.

2. GPS FOLLOW

When GPS following function is enabled, the drone will fly follow your mobile derice.
(Before using this function, please make sure the mobile phone and the aircraft are well connected, and open the APP)

1.Fly the drone to a distance of 3 meters and a height of 30 meters.
2.Click the icon on the APP interface.
3.The drone will follow your mobile device.
4.Tap the icon on the APP interface again to exit the GPS follow mode.

Common problems:
Too many mobile phones will damage the signal strength due to surrounding buildings, trees, or mobile phones.If the GPS signal of the mobile phone is too weak, the GPS follow function will be difficult to activate.
--Recommended for use in open areas, and pay attention to the surrounding environment.
(This drone is not equipped with obstacle avoidance function, please avoid obstacles when flying)

3. IMAGE FOLLOWING / GESTURE FOR PHOTO / VIDEO

Click the icon on the screen of the mobile app and follow the pop-up instructions. Select the person or object you want. It should not be too large. The size of the frame and the object are the same.
Gesture for photo/video: Click the "Gesture for photo/video" icon on the APP operation page, and follow the pop-up instructions.
The right-hand scissors are used for taking pictures. The confirmation process of the picture has 3 seconds to count down. Open your right palm to start recording. Raise your right palm again to stop recording or click the APP button on your phone to stop recording. (Only right-hand operation by default)

4.GPS RETURN

- The GPS return-to-home (RTH) function returns the drone to last recorded home point.
  This function can only be implemented in GPS mode.
- There are three types of aircraft return (RTH): GPS return / low battery return / failsafe return

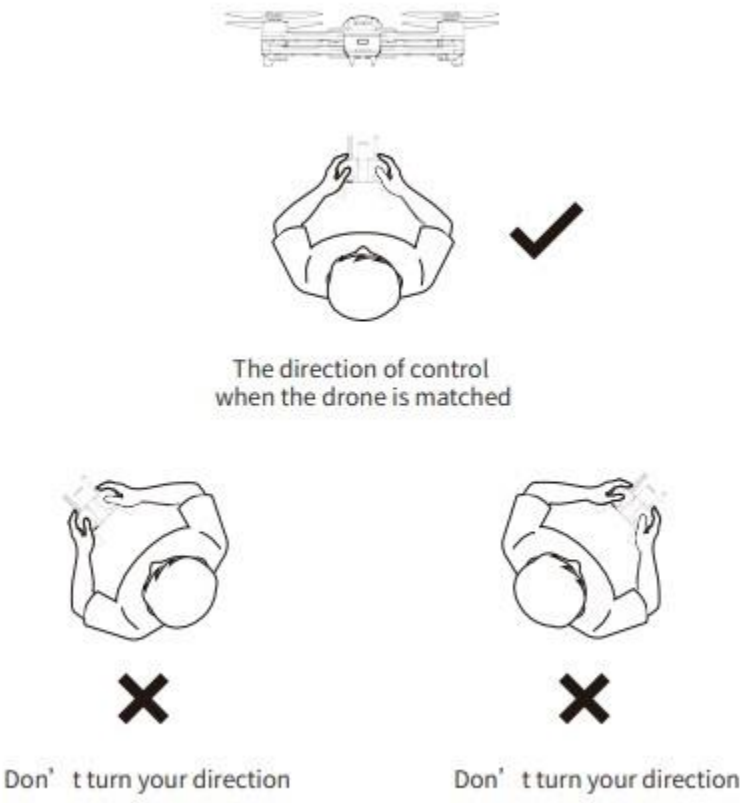
① GPS return:
Press the button on the remote control or the "Return home" button the APP interface, there are continuous beeps from the remote, The drone will first ascend to preset RTH altitude,then fly horizontally to above Home Point and descend to land.
Press the button again to stop returning. Pull down the throttle lever to lower the aircraft to a safe area.
Note: When GPS Return,the RTH indicator light on the remote keep flashing.

② Low battery return:
When the battery power is low, a low battery home will be triggered.
When low power return is activated, the aircraft will fly back to the sky about 30 meters from the operator.At this time, the operator can still operate and control the Drone. Pull down the throttle lever to make the drone descend and Fall in a safe place. When the battery is exhausted, the drone will automatically return to the takeoff point.

③ Return without signal:
If the drone and the remote control lose connection, the drone will automatically enter the home mode and the drone will automatically return to the last recorded home point.
Note: When the remote controller sends out a "beep" sound, it indicates that the signal interference source is strong, To avoid accidents, you need to return the drone ASAP.

5. HEADLESS MODE

Since the operator's operating position is very important for the realization of the "headless mode" during frequency alignment, therefore, after entering the "headless mode", please do not change the operation direction of the operator. Avoid disorientation, causing unnecessary loss and damage.



1. With the drone's head facing straight ahead, short-press the remote control's headless mode button to enter headless mode after take-off (the drone's indicator lights flash three times at intervals of 1 second, and the APP status bar displays headless mode).

2. Headless mode and non-headless mode have the same heading before take-off. After taking off, changing the joystick during flight does not change the heading.

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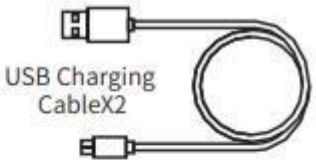
Main bladesX4



User manualX1

ScrewdriverX1

ScrewX8

CARE AND MAINTENANCE

1. Be sure to clean off your drone with a dry cloth.

2. Stone the drone in a cool, dry place away from direct sunlight.

3. Do not immerse this product in water, otherwise electronic parts will be damaged.

4. Regularly check the plug and other accessories. If you find any damage, please stop using it immediately until it is completely repaired.