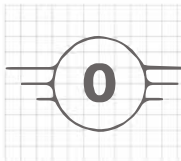


QUADROCOPTER



Uav parameter manual



Uav detailed parameters and precautions for use
Do not use fast charge or high power charger

1. Drone weight: 150g
2. Maximum take-off mass (MTOM) of UAV: 160g
3. Maximum flight speed of UAV: 16 m/s
4. Uav flying height: 80-100m
5. Uav remote control equipment and software: Equipment remote control/ software: 2.4G
6. Description of the behavior of the UAV and UA when the data link is lost: When the data link is lost, the UAV lands vertically on the ground
7. Operation restrictions: Avoid strong winds or thunderstorms to operate the aircraft outdoors, and it is necessary to fly within the visual range at night
8. The aircraft is only applicable to people over 14 years old. To ensure flight safety, please try to avoid airports, highways, railway stations, subway stations and densely populated areas in urban areas.
9. Please fully charge the device for the first time before use. The brand new machine may not be fully charged and may affect normal functional use.

Limited to the original factory equipped with charger (USB) for charging.
Do not leave when charging.

The battery should be stored in a cool place to avoid exposure to the sun.

2.4 GHZ EDITION

Read the manual completely before use (please read the caution and warning section). Save this manual for future reference

Important safety information:

- (1) This product is not a regular toy, but a precision equipment that integrates professional knowledge of mechanics, electronics, aerodynamics, high-frequency, etc. It requires Proper assembly and debugging are necessary to avoid accidents. The product holder must use safe methods to operate and control; Improper operation may cause Serious personal injury or property damage. We are not responsible for this, as we cannot control the process of assembly, use, and operation.
- (2) This product is suitable for people who have experience in operating models and are not less than 14 years old.
- (3) The flight site must be a local legal remote control model flight site.
- (4) Once the product is sold, we will not be responsible for any safety arising from operation, use, control, etc.
- (5) In case of problems such as use, operation and maintenance, we entrust the distributor to provide technical support and after-sales service, please contact the local distributor

Safety Precautions:

The remote-controlled model aircraft is a high-risk commodity, so keep away from the crowd when flying. Improper human assembly or damage to the fuselage, poor electronic control equipment, and unfamiliar operation can all lead to unpredictable accidents such as damage to the aircraft or personal injury. Pilots must pay attention to safety and understand the responsibilities caused by their own negligence.

- (1) Keep away from obstacles and crowds

The RC aircraft has uncertain flight speed and state when flying, and there is potential danger. When flying, you must stay away from crowds, high-rise buildings, high-voltage power lines, etc. At the same time, avoid flying in bad weather such as wind, rain, lightning, etc., to ensure the safety of pilots, surrounding people and property.

- (2) Keep away from humid environment

The interior of the aircraft is composed of many sophisticated electronic originals and machinery, so it is necessary to prevent moisture or moisture from entering the body to avoid accidents caused by the failure of mechanical and electronic originals.

- (3) Safe operation

Please operate the remote control aircraft according to your own status and flying skills. Fatigue, mental insufficiency or improper operation will increase the probability of unexpected risks.

- (4) Keep away from high-speed rotating parts

When the propeller is flying at high speed, please keep the operator, surrounding people and objects away from the rotating parts to avoid danger and damage.

Lithium battery precautions

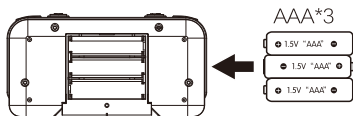
Lithium batteries are different from ordinary batteries in that they are surrounded by a thin layer of tin foil with its chemicals. This can greatly reduce its weight, but it makes it more vulnerable to rough or inappropriate operations. Like all batteries, improper operation can cause fire and explosion.



- Do not put the battery in the model for charging, it may cause the battery to catch fire and cause losses;
- If you plan not to use this product for a week or more, please let the battery retain 50% of the power to increase the battery life. Let the battery retain 50% of its power and only need half of the time required to fully charge the battery to charge it;
- Please use the professional charger provided by the factory to charge the battery;
- Do not charge on the carpet to prevent fire;
- Lithium batteries need to be charged after being stored for more than three months to maintain the voltage and ensure their due life.

Battery installation and charging instructions

1. Remote control battery installation

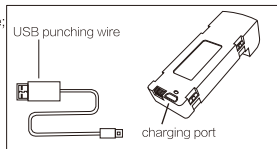


According to the electrode instructions (+,-) of the battery box, insert the battery correctly (as shown)

2. Lithium battery charging

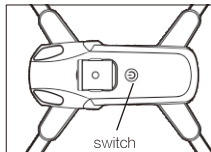
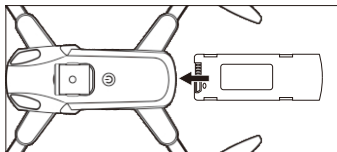
- (1) Remove the aircraft battery from the aircraft fuselage;
- (2) Connect the battery to the dedicated punching wire, and then insert the punching wire into the computer USB port and other punching equipment;
- (3) Lights up in red when charging, and lights out when full.

Charging time is about 80-100 minutes



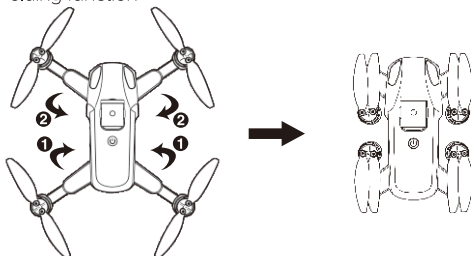
3. Aircraft battery installation and startup

Insert a fully charged battery into the battery compartment of the aircraft, and press and hold the power switch until the aircraft lights come on.



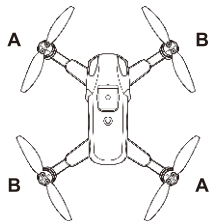
Aircraft installation

1. Folding function

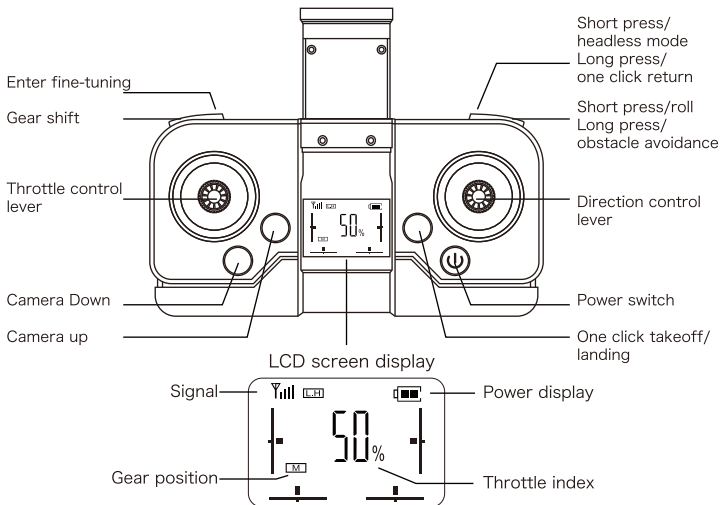


2. Aircraft blade installation

Please install the propeller in the direction of the picture on the right, and be sure to tighten the screws after installing in place.



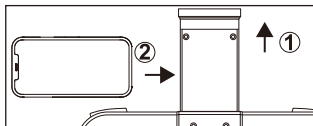
Remote control function description



Remote control

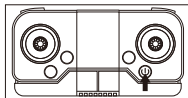
1. Mobile phone hanger

Open the remote control phone holder and clamp the phone.



2. Pair the remote control with the aircraft

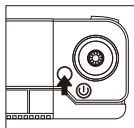
Turn on the power switch of the aircraft and place it on a flat ground. At this time, the aircraft indicator light will flash. Turn on the power switch of the remote control, and the buzzer will prompt "beep". The aircraft indicator light will remain on for a long time, and the frequency matching is completed. At this point, the aircraft can take off.



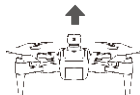
3. One-key take-off and One-key landing

Tip: This product is set by barometer. Due to various environmental temperature and other factors, it is normal for the aircraft to change in height when starting flight or at low voltage.

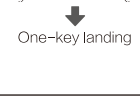
Must be operated after pairing is completed



One-key take-off



One-key landing

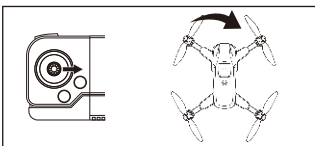
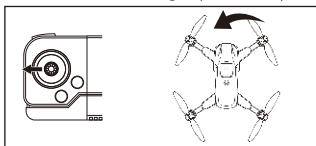


4. Flight control

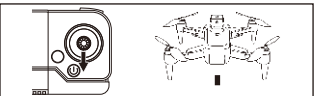
● Throttle (left stick)



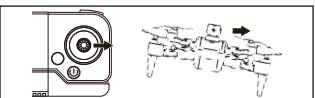
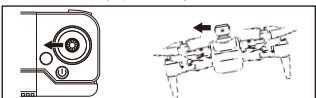
● Rotate left and right (left rocker)



● Forward and backward (right stick)

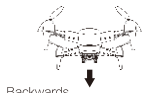


● Side fly (right stick)



5. Fine adjustment control

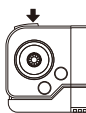
Forward and backward fine-tuning



Backwards



Forward



When taking off, if the fuselage is offset backwards or forwards, press one key to fine tune for correction

Side fine-tuning

Left



Right



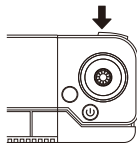
When taking off, the fuselage is offset to the left or right, press one key to fine tune for correction

Headless mode direction definition and mode selection

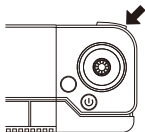
When switching to headless mode, the aircraft will give up its front, back, left, and right directions, and take the aircraft's nose direction (with the camera side) as the forward direction when pairing.

1. Definition of the direction before takeoff: place the aircraft's forward direction directly in front of you (with the camera side), then turn on the remote control to pair, and then complete the flight headless mode direction definition.

2. Press the headless mode key while flying, the remote controller will continue to make a sound, and the aircraft lights will flash quickly to enter the headless mode; press the headless mode key again, the remote controller will make two sounds to exit the headless mode.

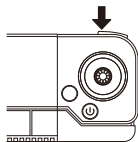


Obstacle avoidance is turned off by default



After opening the aircraft, long press this button to activate obstacle avoidance mode (obstacle avoidance mode is low speed mode) Press and hold this button again to turn off obstacle avoidance mode.

One-key return

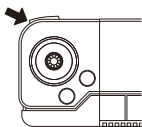


Long press this button, the aircraft will fly in the defined backward direction in headless mode. When controlling the right joystick, this function will automatically stop



This function can only automatically retreat, not automatically return to the take-off point and stop.

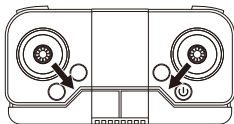
Speed selection



There are three speeds for forward, backward, and left and right side flight. The remote controller defaults to slow speed when the power is turned on. After pressing the speed key, two sounds are given for mid-range speed, three sounds are for fast speed, and one sound returns to slow speed. (Recommended for beginners to use slow speed operation)

Aircraft calibration and emergency stop

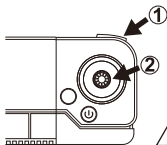
When the novice is operating the aircraft, if the flight is unstable after takeoff and slowly drifts in one direction, the gyro level correction function can be used to correct the aircraft. As shown in the picture on the right, after the start-up pairing is completed, the aircraft is placed on a flat ground, the remote control handle is turned to the right at the same time, the buzzer sounds a reminder, and the aircraft light flashes and then lights up, indicating that the calibration is complete.



emergency stop

1. When the aircraft tilt angle exceeds 60 degrees, the aircraft will stop rotating;
2. When the propeller is stuck, it will automatically stop the motor rotation;

Flip



step:

1. Press the flip key once, and the remote controller will continue to sound
2. Push the right stick, and the aircraft will roll 360° according to the direction of the right stick



When the aircraft enters a low voltage state, the 360° roll function is automatically disabled

Problem Solving Guidelines

| problem | the reason | Approach |
|---|---|---|
| The indicator light flashes continuously, no response | The aircraft and remote control are not paired successfully | Please perform pairing again |
| Nothing happens when the battery is connected | (1) Check whether it is connected correctly or whether the battery has low voltage (2) Whether the positive and negative plates of the battery are in poor contact | (1) Reinstall the battery or charge or replace with a new battery (2) Confirm that the positive and negative polarities of the battery are installed correctly |
| The motor does not rotate when the throttle stick is pushed, and the indicator light keeps flashing | Aircraft battery is low | Charge the battery or replace it with a fully charged battery |
| The propeller of the aircraft keeps turning but cannot take off | (1) Propeller deformation (2) The battery of the aircraft is low | (1) Replace the propeller (2) Charge the battery or replace a fully charged battery |
| The aircraft is very vibrating | Propeller deformation | Replace the propeller |
| The aircraft always drifts in one direction | The center point of the gyro on the aircraft is wrong | Recalibrate or restart |
| The aircraft can't balance after falling | The center point of the gyro on the aircraft is wrong | Recalibrate or restart |

FCC Statement

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.

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

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment .The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.