

R/C DRONE

with RGB Colour Changing LEDs

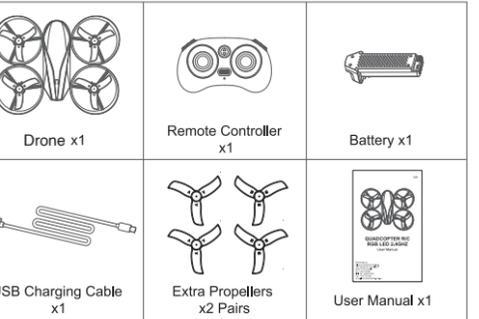
User Manual

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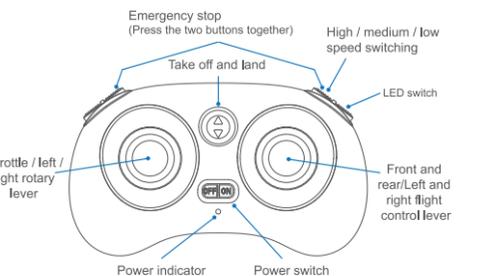
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Package List

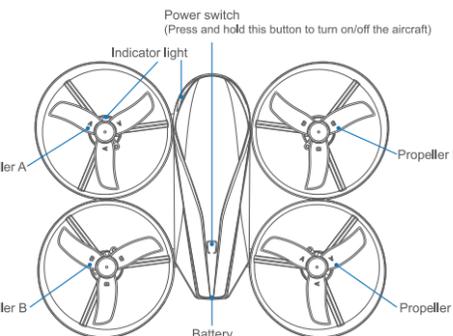


Know About The Remote Control



Prompt:
1. Short press the power switch to turn on the remote control and long press to turn it off.
2. After the emergency stop is activated, the drone will immediately cut off the power and stop flying in the air.

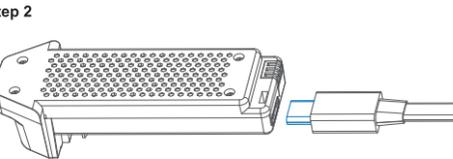
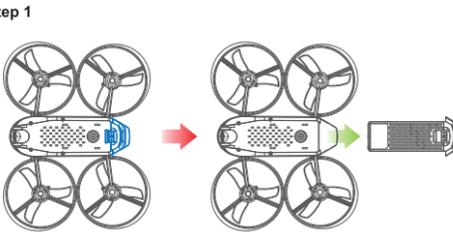
Know About The Aircraft



LED flashes quickly and continually	Not connected to the remote control/ calibrating/low power
LED flashes twice and off, continually	Headless mode
Other status	Normal working

- ① When flying, please point the nose to the front, which will help you better control the aircraft.
- ② There is a "A" or "B" mark on the propellers. When the blade is damaged, please replace the blade as shown in the figure above before taking off.

Battery Charging Of Aircraft



The attached charging line is used to charge the battery. When charging, the red light is always on; and the green light is always on after full charge. The charging time is about 90 minutes.

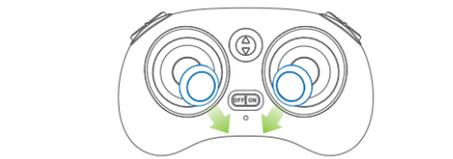
Flight Step

Flight step 1: Frequency matching between remote control and aircraft

- Step 1** Press and hold the power switch to turn on the aircraft, and the indicator light is flashing. Place the aircraft on the flat ground and let the gyroscope carry out horizontal measurement.
- Step 2** Press the power switch to turn on the remote control, when the remote control beeps twice, the indicator light of the aircraft turns to be normally on, and the frequency matching is completed.

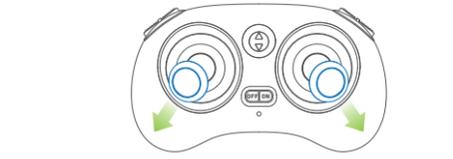
Flight step 2: Calibrate the aircraft

Push the two control sticks downwards and insides as the figure below shows, then the aircraft indicator lights will flash quickly; when the indicator lights are always on, the calibration is finished.



Flight step 3: Unlock the aircraft

Push the two control sticks downwards outward 45° together as the figure below shows to unlock the aircraft, then the motors start rotating.



Flight step 4: Take off

- Method 1:** After the aircraft is unlocked, push the left stick upward, and the aircraft can go up. Release the stick and stop the ascent.
- Method 2:** Press and hold the take-off / landing key on the remote control to take off to a height of about one meter. (Press and hold again after takeoff, and the aircraft will land.)

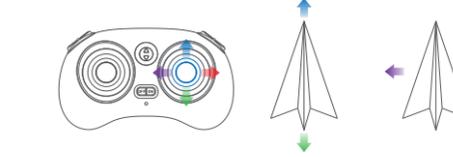


Direction Control During Flight

The default setting of remote control is "American hand". The left-hand control stick controls the ascent, descent, left rotation and right rotation of the aircraft.



The right stick controls the forward and backward, left and right flight of the aircraft.



Roll Over Mode

- step 1** Press and hold the right control stick down, and the remote control will continue to beep and enter the roll over mode.
- step 2** Push the right control stick forward, and the aircraft will roll forward 360° immediately.
- step 3** After the roll over is completed, the buzzer of remote control stops to make a sound and automatically exits the roll over mode.



Tip: If you need to roll in other directions, push the right control stick to other directions.

Headless Mode

step 1 When flying, hover the aircraft in the air with the nose facing ahead and the tail facing the pilot.

step 2 Short press the left control stick downward to enter headless mode, then the LED lights of the aircraft will flash twice continuously for one second.

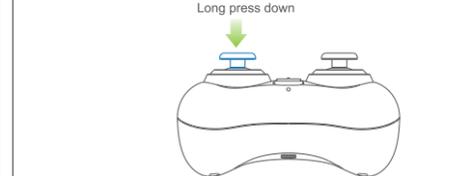
At this time, no matter which direction the nose is in, as long as the right hand control stick is pushed forward, the aircraft will always fly accordingly in front of you.



Tip: If you want to exit headless mode, press the left control stick down again.

One Key Return Mode

Method: Press and hold the left control stick down once, and the LED light at the tail of the aircraft will flash twice continuously for one second, and enter the return mode. The return direction is the direction that the tail is aligned when taking off. When the right control stick is pushed in any direction, the return flight will be terminated and the return mode will be automatically exited.



Tip: When one button return is activated, no matter which direction the tail is in, it will turn to the return direction. It's always the direction the tail is aiming at when taking off.

The Operation Method Of Fine-tuning Mode

When the aircraft drifts while flying, it will always fly to the side automatically. You can use fine-tuning to correct the flight attitude.

- step 1** Hold down the button in the upper left corner and don't let go.
- step 2** Control the right control stick and dial in the opposite direction of the aircraft's automatic drift. Each click is equal to one fine-tuning. If the offset is large, you can fine-tune several times continuously.
- step 3** After correcting the flight attitude, release the upper left button to exit the fine-tuning mode.

Long press and don't let go



Precautions

1. Limitations of the flight environment

- (1) In order to ensure the requirements of electromagnetic environment of aviation radio station: it is forbidden to use various remote control models near the airport runway within the radius of 5000m/16404ft.
- (2) During the period when the relevant state departments issue radio control orders, the use of the remote control models shall be stopped as required.
- (3) Fly in warm, sunny and windless weather, and do not fly in severe weather conditions such as overheating, super cooling, strong wind and rainstorm.

- (4) Choose indoor or outdoor open places, and keep a safe distance from people, pets, overhead wires and other obstacles, and make sure that there is no other use of the same frequency.
- (5) Do not let the aircraft fly out of sight.

2. Safe operation

- (1) After the aircraft is started, please do not touch the high-speed rotating parts of the aircraft and keep a distance from them to avoid the risk of strangulation (including gears, rotors, etc.).
- (2) During and after use of the aircraft, the motor and battery will generate high temperature. Please do not touch them to avoid injury.
- (3) Do not look directly at the light-emitting diode beam to avoid eye damage.
- (4) It is recommended for beginners to practice low-altitude flying for about 3 days in an empty place.

3. Remote control weak signal alarm

The aircraft is too far away from the remote control or there is signal interference around will cause the remote control signal weak, then it will send out continuous "beep" sounds. At this time, please shorten the distance between the aircraft and the remote control or stay away from the interference environment.

Specification

Frequency: 2.4GHz
Remote Control Range: 30m
Play Time: Up to 7 Minutes
Charging Time: Up to 90 Minutes
Batteries:
Drone: 3.7V Li-ion, 700mA (Included)
Remote: 3 x AAA (Not Included)
Dimensions: 158(W) x 127(L) x 42(H)mm

Troubleshooting

Number	Problems	Solutions
1	The remote control can't control the aircraft	1. Please try to restart the aircraft and the remote controller, the remote controller will automatically connect with the aircraft; after connecting, the aircraft's lights will change slowly (flashing quickly when not connected), and the remote controller indicator will always be on. 2. Make sure that the distance between the aircraft and the remote control is within the effective working range and fly in an open environment without interference. The maximum working distance is 100m.
2	The aircraft always flies to one side	1. Please place the aircraft on a horizontal surface, and then push the left and right joysticks inside downwards 45° simultaneously to make the aircraft enter the horizontal calibration. At this time, the lights of the aircraft will flash quickly, then the lights will slowly flash after the calibration is completed. 2. Please check whether the blades are damaged. If necessary, please replace the blades.
3	The aircraft can't 360° flip	1. Please make sure that the aircraft does not enter headless mode, as the aircraft will not be able to perform 360° flip function under the headless mode. 2. Ensure that the aircraft has sufficient power.
4	The lights don't change automatically	1. Please make sure that the aircraft does not enter headless mode, for the light will flash twice and off once under headless mode. 2. Make sure the aircraft has enough power.