

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

1. This product is not a toy but a precision device that integrates professional knowledge such as machinery, electronics, aerodynamics, and high frequency. It requires correct assembly and debugging to avoid accidents. The product user must employ safe operating and control methods; improper operation may result in serious personal injury or property damages. We are not liable for such incidents as we cannot oversee the assembly, use, and operation process.

2. This product is intended for individuals with experience operating models and who are at least 14 years old.

3. The flying area must comply with local regulations for remote control model flight.

4. For any issues regarding use, operation, or maintenance, please contact the local distributor for technical support and after-sales service.

Safety Precautions

Drones are high-risk commodities, so keep them away from crowds when flying. Improper assembly, fuselage damage, malfunctioning electronic control equipment, and unfamiliar operation can all lead to undesirable accidents, such as aircraft damage or personal injury.

- Drones are high-risk electronic devices, so keep them away from swarms when flying. If proper assembly, design, damage, malfunctioning electronic control equipment, and unfamiliar operation can lead to uncontrolled swarms, this can be a profit danger or personal injury.
- 1) Keep Away from Unfamiliar People and Animals
 - Drones have unpredictable flight speeds and erratic, posing potential dangers. When flying, stay away from trees, tall buildings, power lines, etc. Additionally, avoid flying in adverse weather conditions such as wind, rain, or lightning to ensure the safety of operation, bystanders, and property.
 - 2) Stay Away from Obstacles
 - Drones are composed of many sophisticated electronic components and machinery. Therefore, preventing moisture from entering the body is necessary to avoid accidents caused by mechanical or electronic failure.
 - 3) Operate Responsibly
 - Operators should be responsible for their own abilities and piloting skills. Operating while fatigued, mentally exhausted, or improperly can increase the likelihood of unexpected risks.
 - 4) Keep Away from High-Speed Rotating Parts
 - When swarms operate, they can cause high-speed rotation, causing fire, operation, bystanders, and property away from the rotating parts to prevent accidents and damage.

Lithium Battery Precautions

- Lithium batteries differ from ordinary batteries in that they are enclosed in a thin layer of aluminum foil along with their chemicals. While this reduces their weight significantly, it also makes them more susceptible to fire or improper handling. Like all batteries, improper handling can lead to fire and explosion risks.
- Please do not insert the battery into the power charger, as it may lead to battery ignition and subsequent losses.
- If you do not plan to use this product for a week or longer, please ensure that the battery retains 65% of its charge to prolong battery life. Charging the battery when it retains 50% of its charge will require only half the time needed for a full charge.
- Always use the professional charger provided by the manufacturer to charge the battery.
- Avoid charging the battery on carpeted surfaces to prevent fire hazards.
- Lithium batteries should be charged after storage periods exceeding three months to maintain voltage levels and ensure their longevity.

- Please do not insert the battery into the model for charging, as it may lead to battery ignition and subsequent losses.
- If you do not plan to use the product for a week or longer, please ensure that the battery retains 50% of its charge to prolong battery life. Charging the battery when it retains 50% of its charge will require only half the time required for a full charge.
- Always use the professional charger provided by the manufacturer to charge the battery.
- Avoid charging the battery on carpeted surfaces to prevent fire hazards.
- Lithium batteries should be charged after storage periods exceeding three months to maintain voltage levels and ensure their longevity.

1.Remote Control Battery Installation

Insert the battery correctly according to the electrode instructions (+, -) on the battery box (as shown).

USB charging cable

rechargeable battery

(2) Connect the battery to the dedicated charging cable, then insert the charging cable into a computer USB port or other charging device.

(3) The LED indicator will illuminate in red during charging and turn off when fully charged.

Charging time is approximately 90-100 minutes.

Insert a fully charged battery into the drone's battery compartment, then press and hold the power switch until the drone lights illuminate.

1. Unfolding the Drone

2. Installation of Propellers

Please install the propellers in the correct orientation. Attach the propeller marked with the letter A to the arm labeled with the letter A, and after installation, be sure to tighten the screws securely. The propeller marked with the letter B should be installed similarly.

3. Installation of Camera

Align the protective frame with the position of the drone's boom (as shown in the figure), then install and secure it.

1. Mobile Phone Holder

Open the mobile phone holder on the remote control and clamp the phone securely.

Turn on the drone's power switch and place it on a flat surface (figure A); the drone's lights will blink at this time. Then, turn on the power switch of the remote control; steady lights indicate successful pairing.

Press the one-key calibration button before takeoff; the drone's lights will change from flashing to steady, indicating successful calibration (figure B).

3. One-Key Takeoff and One-Key Landing

one-key takeoff



Press the one-key takeoff button to make the drone ascend. Alternatively, push the left joystick upward, the propellers start spinning, and push upward again to make the drone take off.

one-key landing



Note: This product is equipped with a barometer for altitude setting. Height fluctuations during takeoff or low voltage are normal due to various environmental temperatures and other factors.

Operations must be conducted after pairing is completed.

Ascend and Descend (Left Throttle Joystick)

Forward and Backward Fine Tuning

Use forward fine tuning button for backward offset correction.

Use backward fine tuning button for forward offset correction.

Left and Right Fine Tuning

Use left fine tuning button for right offset correction.

Use right fine tuning button for left offset correction.

There are three speed settings in total. When the remote control is powered on, it defaults to the slow speed setting. Press the speed switch button in the upper left corner of the remote control. Two beeps indicate the mid-range speed setting, and three beeps indicate the fast speed setting. (It is recommended for beginners to use the slow speed setting.)

When switching to headless mode, the direction of the drone's nose (with the side containing the camera) will be considered as the forward direction during pairing.

1. Headless mode direction setup: Orient the side of the drone containing the camera towards the operator, which is considered the forward direction, then turn on the remote control for pairing, thus completing the setup of the headless mode direction.

2. While flying, press the headless mode button on the remote control. The remote control will emit continuous sound, and the drone lights will flash rapidly to indicate entry into headless mode. Press the headless mode button again to exit headless mode, and the drone returns control to the operator. To switch to headless mode, the drone must be in the ready state.

Flip

Procedure:

1. Press the flip button, and the remote control will continuously emit a "beep" sound.
2. Push the right joystick, and the drone will perform a 360° flip according to the direction of the push.

Note: The function is automatically disabled when the drone enters a low-voltage state.

A top-down diagram of the remote control. A black arrow points to a button labeled 'Flip' located between the 'Mode' and 'Power' buttons. Another black arrow points to the right joystick, which is labeled 'Right Joystick'.

Issue	Cause	Solution
After powering on the drone, a connection to the remote cannot be controlled using the remote control.	Drone and remote control pairing unsuccessful.	Please pair the drone with the remote control.
No response after connecting the battery.	(1) Check if the remote control is powered on. (2) Check if the batteries in the remote control are charged. (3) Check if there is a poor contact between the positive and negative terminals of the remote control's battery.	(1) Reinstall the batteries. (2) Charge or replace the batteries. (3) Confirm correct polarity when installing batteries.
The motors do not start when pushing the throttle joysticks, and the indicator light keeps flashing.	Low battery level in the drone.	Recharge the battery of the remote control with a fully charged one.
The propellers keep spinning but the drone cannot take off.	(1) Damaged propellers. (2) Deficient battery power in the drone.	(1) Replace the propellers. (2) Recharge the battery or replace the battery with a fully charged one.
The drone vibrates intensely.	Damaged propellers.	Replace the propellers.
The drone constantly flips or one direction after another.	Imagined gyroscope center point on the drone.	Repair/replace horizontal calibration or reboot the system.
The drone loses balance and cannot maintain a crash.	Imagined gyroscope center point on the drone.	Repair/replace horizontal calibration or reboot the system.

Issue	Cause	Solution
After powering on the drone, it continues to blink and cannot be controlled using the remote.	Drone and remote control pairing unsuccessful.	Please re-pair the drone with the remote control.

No response after connecting the battery.

- (2) Charge or replace with new batteries.
- (3) Confirm correct polarity when installing batteries.

The motors do not rotate when pushing the throttle joystick, and the indicator light keeps blinking.	Low battery level in the drone.	Recharge the battery or replace it with a fully charged one.
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The propellers keep spinning but the drone cannot take off.	(1) Deformed propellers. (2) Insufficient battery power in the drone.	(1) Replace the propellers. (2) Recharge the battery or replace it with a fully charged one.
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The drone vibrates intensely.	Deformed propellers.	Replace the propellers.
The drone constantly	Incorrect assembly	Reperform horizontal

drifts in one direction after takeoff.	center point on the drone.	calibration or reboot the system.
The drone loses balance and cannot regain	incorrect gyroscope	Reperform horizontal calibration or reboot

suddenly after a crash,	Customer groups use their systems,	the system.
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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 technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.