

Important statement

- This product is applicable to teenagers and adults over the age of 12+. This remote controlled toy drone has certain difficulties at the early stage of learning. Suggest only fly under the guidance of someone with operational experience.
- This product is designed with high and new technology in many aspects such as electronics and machinery. For those with less experience operator, it should be kept away from people during flight. We are not responsible for any serious personal injury or property loss which may result from improper operation.
- Once the product is sold, we will not assume any safety responsibilities such as accidents occurred during operation or use.
- In case of problems of use, operation and maintenance, you can contact local dealers to provide technical support or after-sales service.

Caution:

- Be sure to check your surroundings before flying.
- Do not let the drone fly out of sight while flying.
- Children cannot fly alone. Please fly with adults.
- Please confirm that there is no other product using the same frequency band in the same area.

WARNING

- The chargers, wires, plugs, shells and other parts shall be checked regularly. If any damage is found, it shall be discontinued until it is repaired.
- Only use original charger, charger is not toy.
- Please clean the product with a clean and soft cloth. The drone should be disconnected from the charger before cleaning.
- Adult supervision is required when charging a rechargeable battery.
- A non-rechargeable battery is not rechargeable.
- Do not short circuit, decompose, fall into the air or put into fire.
- For the battery not operate product, please remove the battery.
- Do not seriously crash or drop the drone and remote controller.
- This packing and instruction manual contains important information about the product. Please keep it.

Standard components

Name of components

No	Name	Quantity
1	Reverse blades	2
2	Positive blades	2
3	Canopy	1
4	Bottom shell	1
5	CCW motor	2
6	CW motor	2
7	Battery	1
8	PCBA	1
9	Camera	1
10	Camera PCBA	1
11	Damper	4

Don't fly the drone in below conditions

Controller instruction

Controller's function

- Power on / off: After power on, long press the remote control enters the working mode. Press and hold the switch button, the buzzer sounds twice, the power indicator is off, and the remote controller enters the shutdown state.
- Unlock, lock: In beginner mode, press the unlock button to idle the motor. Press again to stop the motor. Short press the button in flight, aircraft will slow down and lock. Before unlocking or locking, make sure that the throttle stick is in the zero position.
- Throttle control: After unlocking, push the throttle to control the height of drone. The drone's altitude remains unchanged when it is in the neutral position.
- code reset: Long press this button to exit and change the matching channel of the aircraft. When the remote controller is not turned off, long press the button to match another aircraft.
- Rotating flight: Throttle joystick turn to left /right, the drone will left/right rotating fly.
- Forward/backward, left /right: Direction joystick turn to forward/backward/left/right, the drone will fly forward/backward/left/right.
- Trim function: When the aircraft flight is deviating, press the trim button to adjust the flight attitude.
- Led light: Short press the led switch button to change the 7 led colors.
- speed switch: Short press the button, you can adjust the speed, there are 3 gears in total, the buzzer beeps once for the first gear, the speed is the smallest; the second sound is the second gear; the third sound is the third gear, the maximum speed. Press again to switch to gear 1, and cycle switching.
- Short press to switch modes and long press to enter head body control. Short press to switch modes: There are 3 flight modes in total, the buzzer sounds once for beginner mode. Two beeps for attitude mode, three beeps for sport mode with maximum speed (default is beginner mode). Press again for beginner mode and cycle through the modes. Head body control: connect the audio cable to the remote control and VR glasses, then long press the button to enter the body control function. Beginner mode: Altitude hold mode. Attitude mode: There is no altitude fixing function for the drone, the drone cannot automatically fix the altitude and hover, you need to manually adjust the throttle rocker and direction rocker to achieve it. Sport mode: In sport mode, there is no height fixing function, the user controls the drone using the rocker, when flying forward, backward, left or right, the aircraft will maintain the attitude after hitting the stick to fly automatically; at this time the ascent, descent and heading operations remain unchanged.

Battery Installation V1.0 (Option)

* As shown in the picture, remove the battery cover of the remote control, according to the battery pole in the battery box, install 2pcs of No.7 AAA batteries correctly (Additional purchase) and reload the batteries cover and tighten the screws.

Note: 1. when installing the battery, the positive and negative poles of the battery must be identified, and the positive and negative poles of the battery box must be identified. Please don't install wrong. 2. Do not mix new and old batteries or different types of batteries. The pool batteries should be taken out in time.

Calibration between drone and controller

Step one

First, turn on the drone and transmitter. Point the tail of the drone at the person and place it on the horizontal plane, while the remote control will beep sound, drone indicator light is always on, indicating that the code is successful. Re-code: If the code cannot be matched, shake the aircraft and wait for the seven-color lights to flash. Blinking, long press the REVERSE button in flight, aircraft will slow down and lock. Before re-coding, make sure that the ground surface is horizontal.

Step two

As shown in the figure, push the joystick of the transmitter to the lower right corner at the same time. After the indicator light of the aircraft flashes quickly, release the transmitter and wait for the indicator light to light. Calibration is completed.

WARNING

If long time not used it, please take out the battery of the remote control and keep it properly. If not remove the batteries of the remote control store it for long time will cause leakage of battery and damage the remote control, even cause the risk of burning.

This product can also be operated with a universal remote control

Correct operations of drone

Before you fly the drone, please do some simulated flight practice.

Connection method

Drone - How to connect other FPV goggles
This drone is 5.8G, you can match with 5.8G VR goggles and use them directly. —5.8G some frequency (such as 5880/5860, etc.) can complete the pairing.

Drone - how to connect non-original remote control
You need to buy the receiver by yourself, use the receiver's four spool line correspondingly inserted into the aircraft's receiving socket, the remote control debugging to code successfully, you can realize to control this drone with other remote control.

Remote Control - How to connect to computer for flight simulation
You need to buy RC Simulator Cable by yourself, one end is connected to the computer and the other end is plugged into the remote control. In addition, you need to download the flight simulation software by yourself.

Flight adjustment and notice for beginners

Caution:

- Confirm again that the screws and blades are firm.
- Verify that the remote controller and drone's batteries are sufficient.
- Confirm again that the direction of the wind blade is fitting in right position.
- Please assemble the protection guard before take-off.

Caution:

- Make sure there are no other people or obstacles in the flying area.
- In order to fly safely, you must first practice the hover, which is the basis of the flight action (hover: the drone stays in the air and maintains a fixed position).
- Please stand 2 meters behind the drone during practice.

- Throttle level practice**
Throttle control is in the left hand, push throttle rocker up slowly, immediately release the rocker, the drone will rise and hold at a fixed height. Pull the lever slowly down, and release the lever immediately, and the drone will descend and stay at a fixed height. Repeat until you are able to control the drone to any height, and you are stable settle down to the ground.
- Direction control practice**
1. Practice forward and backward, if in the right hand up and down direction, keep the drone at a certain height. Then fly one meter forward slightly, after the drone stabilized, fly back one meter. And repeat this practice.
2. Practice left and right side flying, if in the right hand left and right direction side, the method is the same as above.
- Rotation practice**
1. Slowly raise the throttle lever to control the drone to a certain height.
2. Push the throttle lever to the left/right slowly, make the drone rotate counter-clockwise/clockwise slowly.
- Precision practice**
As you become familiar with the step 1-3, draw a circle on the ground and practice within the circle. It can increase your control accuracy. As you get more comfortable with the action, you can draw smaller circles.

Introduction to Head Chasing Body Sensation Mode V2.0 (Option)

- Connect the remote control and VR goggles with an audio cable.
- Open the VR goggles and place them on a level surface, then turn on the remote control.
- Press and hold the speed button to calibrate the VR goggles. During calibration, the indicator light of the remote control will flash quickly. When the calibration is completed, the remote control will make a long beep and the indicator light will be on. If the indicator light keeps flashing quickly, the calibration has failed, wait 30s before operating. When the remote controller is pairing with the drone, it cannot be calibrated.
- Turn on the drone and pair with the remote control. Long press the remote control mode switch button to enter the head chase mode, the remote control beeps twice; long press again to exit, the remote control beeps once.
- Press the unlock button of the remote control, and you can take off with the head chasing function of the VR goggles.

Notice: If the remote control has been turned on before connecting the audio cable, you need to press and hold the mode switch button twice to enter the head chase function.

Operation of Head Chasing Body Sensation Mode V2.0 (Option)

It is recommended to be proficient in flight simulation before flying

Notice: Long time use of head chasing function may lead to dizziness, please gradually adapt, pay attention to rest!

5. Change the direction of drone

When you feel familiar with Step 1-4, stand on the side facing the drone and continue to practice Step 1-4. Then, stand in front of the drone and repeat the steps.

6. Trim

Slowly lift the throttle lever. When the drone has just left the ground, if the drone tends to move around, you can use trimming to correct the action.

Quick Start Guide

- Battery Charging
- Drone Power On
- Controller Power On
- VR Power On
- Channel Search
- Gently push up and press to unlock

Simulator usage

The remote control of this product can be connected to computer software/games for flight simulation:

- The top of the remote control has a simulator socket; (you need to buy RC Simulator Cable by yourself)
- plug the audio plug of RC Simulator Cable into the socket at the top of the remote control.
- plug the other end of the simulator into the USB socket of the computer.
- Open the flight simulator software/game and finish the settings to simulate flight on your computer.

VR Glasses

1. Preparation

1-1. CONTENTS

1-2. BATTERY & CHARGING

1-3. SPECIFICATION

Screen Size	3 inch
Screen Type	TFT LCD
Resolution	360x540 pixels
Brightness	320cd/m ²
Sensitivity	>900Bim
Channel	48 channels
Dimension	135.6*134.8*63.5 (mm)

14. DISPLAY & BUTTONS

2. CAMERA

2-1. CHANNELS

Channel	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12
CH1	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170
CH2	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170
CH3	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170
CH4	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170
CH5	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170
CH6	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170
CH7	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170
CH8	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170
CH9	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170
CH10	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170
CH11	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170
CH12	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170

3. ALBUM

3-1. VIDEOS AND PHOTOS

3-2. MODE

3-3. VIDEO

3-4. PHOTO

3-5. CHANNELS

3-6. BACKLIGHT

3-7. LANGUAGE

3-8. CONTRAST

3-9. SATURATION

Replace blades

To achieve optimal flight function, the blades need to be checked or replaced after multiple flights. Emergency landings, especially from high altitude will damage blades. When replacing the blades, please make sure that the letters on the blades (A is the forward rotating blades, B is the reverse blades, letters are on the back of the blades).

- Pay special attention to replacing damaged blades with property blades. Must not change the wrong direction of the blades!

Problemshooting

Troubles	Causes	Solutions
1. Turn on the drone, LED blinks, while the drone has no responding to all commands	Pair between drone and controller failed	(Please refer to the frequency alignment of remote controller and receiver in P3)
2. Turn on the drone, the drone has no reaction to the commands	The battery died	Charge the drone
3. Blades keep moving after landing	Throttle lever is not at the zero position	Put the throttle lever to zero position
4. Blades keep moving, while the drone can not take off	1. Blades may installed wrong 2. No enough power	1. Change the blades 2. Charge the drone
5. After trimming, drone keeps spin, and the speed of blades is different	1. Blades may installed wrong 2. Blades get damaged 3. Calibration failed	1. Install all the blades 2. Replace the blades 3. Refer to p3 for calibration
6. The drone can not take off after drop	1. Blades are getting loose 2. Blades get damaged	1. Tighten the blades 2. Replace the blades

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Charging

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User Manual