

RAPTOR DRONE

INSTRUCTIONS MANUAL



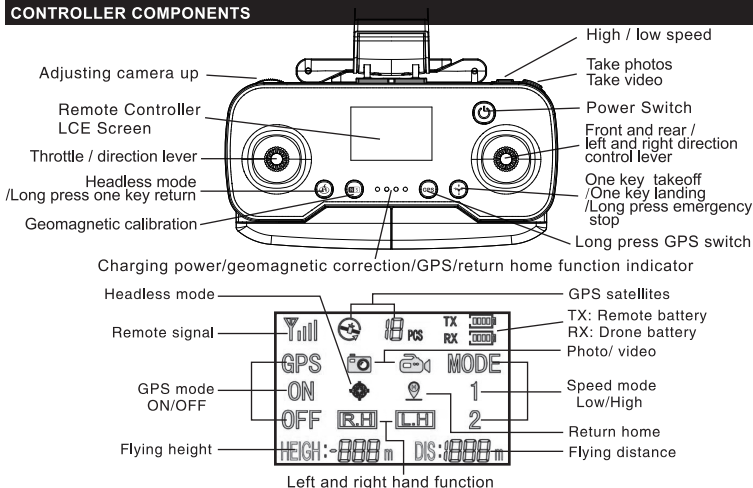
Notice

- Please read carefully this instruction manual before play. Any wrong operation will damage the product as well as injury of people. This is a sophisticated hobby product and not suitable for children below 14 years old. If you are a beginner, we advise you had better to assist by an experienced person.
- This 4-axis gyro quadcopter drone can fly indoor and outdoor. But please make sure the outdoor wind force is less than three.
- The remote controller can make alarm when the signal is too weak or low battery.

IMPORTANT INSTRUCTION

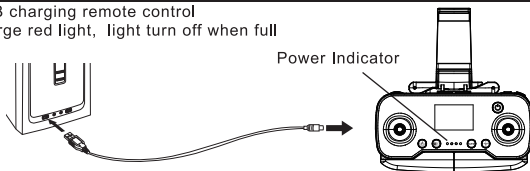
1. This product is not a toy but a precise equipment that integrating mechanics and electronics with expertise of aerodynamics and high-frequency transmitting. It requires to be correctly assembled and debugged so as to prevent the accident from being happened. The product owner should operate or control it in safe way. Please noted that we won't take any responsibility for any wrong operation as his may result in severe injury or loss of property and we can not control the operating process during the time when the user assemble or use this product.
2. This product is suitable to be used by people who has operating experience in flying model or age no less than 14 years old.
3. The flying ground we required should be the local field and legal for remote control flying.
4. Once this product is sold, we won't be responsible for any safety responsibility during the time the user operates or uses or controls this product.
5. If there is any problem occurred during the time of using, operating or repairing, please reach our sales agent for details. The sales agent that we authorized will provide you with the technical support and after-sale service.

CONTROLLER COMPONENTS



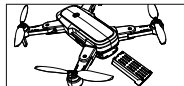
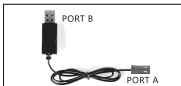
REMOTE CONTROL CHARGING

USB charging remote control
charge red light, light turn off when full



CHARGING MODE

1. Use the special charger for drone supplied by our factory for charging. Insert the lithium polymer battery plug into the charger socket, as shown in the figure.
2. To ensure safety, the charging must be carried out within the sight range.



BATTERY WARNING:

Lithium Polymer batteries can expand, burst or catch fire if used incorrectly, causing both property damage and or personal injury. It is essential that you follow all the included instructions and safety warnings in full. The manufacturer, distributors and retailers will assume no liability for the failure to comply with these safety instructions and warnings.

INSTRUCTIONS WHEN CHARGING:

- 1) The battery must be removed from the product before charging.
- 2) If the battery has just been used, please let it cool down to room temperature before charging.
- 3) Charging must only be undertaken by an Adult, and only using the charger included with this product.
- 4) Always charge the battery on a non flammable heat resistant surface with non flammable surroundings.
- 5) Connect the battery to the USB charging cable
- 6) Lithium Polymer batteries do not last forever. If your battery becomes damaged in a crash or no longer charges properly, immediately replace it with a new battery. To prolong the life of your battery, it is always best to retain a bit of charge in your battery prior to charging it.




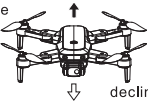


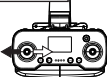

FLIGHT ACTION ADJUSTMENT AND SETTING

Please be familiar with the simulation flight before flight

Before you understand the operation of each action of the drone, it is strictly forbidden to fly the drone. Please read the instructions first, Familiar with the control of various directions and repeat until the fingers can skillfully control various movements and directions.

1. Place the drone in an open place and aim the back of the drone at yourself.
2. Practice operating each rocker of the remote control (the operation mode of each action is shown in the figure below), and practice the accelerator repeatedly High / low, aileron left / right, elevator front / rear and rudder left / right operation mode.
3. The practice of simulated flight is very important. Please repeat the exercise until you don't need to think and your fingers can follow naturally. Call out command movement control.



| Pattern | Icon | Pattern | Icon |
|--|--|--|--|
| Aileron  |  Left shift Right shift | throttle  | Rise  decline |
| Lifting / fore and aft  | Forward  Back off | direction  | Turn right  Turn left |

ADJUSTING CAMERA UP / DOWN

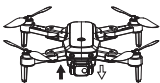
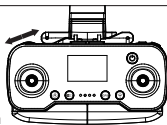
When using DRONE, you can adjust the camera direction up and down by dialing the servo button.

Steering gear up

When the drone is flying, dial the steering button to the left, Adjust the camera up

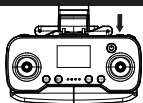
Steering gear down

When the drone is flying, dial the steering button to the right, Adjust the camera down



HIGH / LOW SPEED SWITCHING

To switch the flight speed mode, click the low speed mode, then press again to enter the medium speed mode, Press again to enter the high-speed mode and cycle through it.



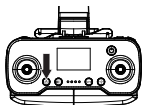
HEADLESS MODE/ ONE KEY RETURN

HEADLESS MODE

Press and hold to enter headless mode, the headless mode indicator lights. Press again to exit headless mode.

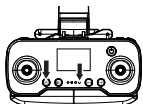
The drone defaults to the normal mode, the remote control is placed flat, and the antenna is horizontally aligned with the tail of the drone.

In the headless state, the control does not need to identify the position of the drone nose, just according to the direction of the joystick of the remote control to control the drone.



ONE KEY RETURN

Press once to enter the one-key home return, the one-key home return indicator lights. When the drone enters the one-key return to home state, The drone will fly back in the opposite direction according to the first frequency, and then press to exit and return.



LOW POWER RETURN / NO SIGNAL RETURN

1. Low power return

When the battery is low, it will trigger low power return.

When the low power return is activated, the drone will return to the sky about 20 meters away from the operator. At this time, the operator can still operate and control the drone. At this time, pull down the throttle lever to make the drone land in a safe place. When the power is exhausted, the drone will automatically return to the set take-off point.

(Note: please do not push the steering lever forward when entering the low power return flight. If you push forward, the return flight will fail, and the drone may be lost.)

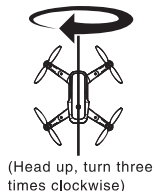
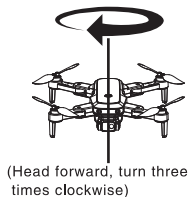
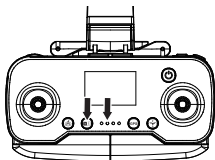
2. No signal return

If the drone loses its connection to the remote control, it will automatically enter the return mode. The drone will automatically return to the take-off point.

GEOMAGNETIC CALIBRATION

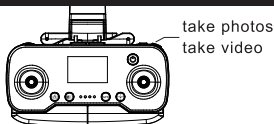
Press the "Geomagnetic button", the remote control will beep, and the lights of the drone will flash slowly to enter the geomagnetic correction mode.

Around the meter, the drone head is facing forward, turn clockwise three times, the remote controller makes a "drip" sound, and then turn the drone head upward, turn clockwise three times. The remote control emits two sounds of "didi" indicating that the geomagnetic correction is completed.



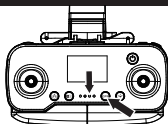
TAKE PHOTOS/ VIDEO

Short press the "TAKE PHOTOS/ VIDEO" button to take a picture and then press to cancel the picture. Long press the "TAKE PHOTOS/ VIDEO" button to record, and then long press to cancel recording.



GPS SWITCH

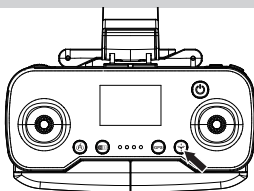
The remote control is in outdoor mode by default. Press and hold the GPS button for about 3 seconds. The remote control emits two beeps and the GPS indicator light is on, indicating that it has been switched to indoor mode. Long press for about 3 seconds, the remote control will emit a beep, and the GPS indicator will go off, indicating that the switch has switched to outdoor mode, and this cycle is repeated.



ONE KEY TAKEOFF / ONE KEY LANDING / LONG PRESS EMERGENCY STOP

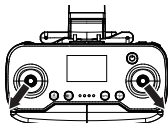
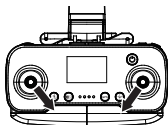
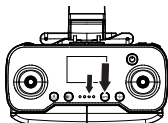
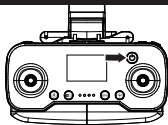
Press "One key to take off" the drone will automatically take off, then press the drone to automatically land, long press the drone to stop

Note: If the height of the drone exceeds 5 meters, emergency stop and one-key descent will be invalid.



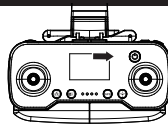
INDOOR FLIGHT OPERATION METHOD

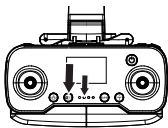
1. Place the drone at the take-off point, turn on the drone switch, and wait for the lights to When the fast flash is changed to the slow flash, the remote control can be turned on.
The indicator light of the remote control is always on, and a beep sounds, indicating that the drone has been connected. At the same time, the headlights of the drone are always on.
2. Long press the GPS button on the remote control for about 3 seconds, the remote control beeps twice, and the GPS indicator light is on, indicating that it has switched to indoor mode.
3. Simultaneously push the left slider of the remote control to the lower right and the right slider to the lower left to calibrate the gyroscope. When the front and back lights of the drone show a flashing state, it means that the calibration has been successful.
4. Simultaneously push the left stick of the remote control to the lower left and the right stick to the lower right to start the drone. The wind vane of the drone starts to turn slowly, press the "One-key Take-off" button, or push the throttle to start Flying drone.



OUTDOOR FLIGHT OPERATION METHOD

1. Place the drone at the take-off point, turn on the drone switch, and wait for the lights to When the fast flash is changed to the slow flash, the remote control can be turned on.
The indicator light of the remote control is always on, and a beep sounds, indicating that the drone has been connected. At the same time, the headlights of the drone are always on.
2. Press the "Geomagnetic button", the remote controller will emit a "beep" sound, and the lights in front and back of the drone will be slow .Flash to enter the geomagnetic correction mode, pick up the drone about 30 cm from the ground and fly.
The head of the liner is facing forward, turn clockwise three times, the remote control makes a "drip" sound, and then turn the drone's head upward and turn it three times clockwise, the remote control will make two beeps .Geomagnetic correction completed.



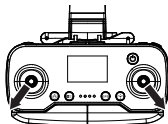
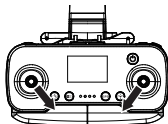


(Head forward, turn three times clockwise)



(Head up, turn three times clockwise)

3. Waiting for the star search, the tail light of the drone turns from slow flashing to steady light to indicate that the star search has been completed, and the remote controller emits a "drop".
4. Simultaneously push the left slider of the remote control to the lower right and the right slider to the lower left to calibrate the gyroscope, When the front and back lights of the drone show a flashing state, it means that the calibration has been successful.
5. Simultaneously push the left stick of the remote control to the left and the right stick to the lower right to start the drone.
The wind vane of the drone starts to turn slowly, press the "One-key Take-off" button, or push the throttle to start Flying drone.



Specifications and images are subject to change without notice.