WARNING IMPORTANT

1. This product is only suitable for users over the age of 8. Piloting this quadcopter will be difficult at the beginning. We recommend be accompanied by an experienced pilot at first.
2. This product is designed with high-tech electronics and mechanical parts. Do not fly near people. Improper operation can result in injury or property damage. We will not accept any responsibility for this.
3. We will not take any responsibility for accidents during the operation of this device.
4. Contact customer service for help if you have any problems with the device.

Cautions:
1. Checking the surroundings before flying.
2. Do not let the plane fly out of sight when flying.
3. Do not let the child play alone, play together with adult.
4. Please make sure, there is no other player use the same frequency at the same area.

DO NOT FLY IN THESE AREAS

- High-voltage power lines.
- The places of Crowds.
- Rainstorm and thunderstorm.
- Near the railway.
- Roads and nearby places.
- Forests and rivers.
- High winds.
## PACKAGE CONTENTS

Controller  
Li-Po Battery  
1XSmall screwdriver  
4x spare blades

## QUADCOPTER COMPONENTS

![Diagram of quadcopter components]

<table>
<thead>
<tr>
<th>No</th>
<th>NAME</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Positive rotor blades</td>
<td>2</td>
</tr>
<tr>
<td>2</td>
<td>Reverse rotor blades</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>Upper body</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>Bottom body</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>Positive rotor</td>
<td>2</td>
</tr>
<tr>
<td>6</td>
<td>Reverse rotor</td>
<td>2</td>
</tr>
<tr>
<td>7</td>
<td>Li-polymer battery</td>
<td>1</td>
</tr>
<tr>
<td>8</td>
<td>Receiver board</td>
<td>1</td>
</tr>
<tr>
<td>9</td>
<td>Camera</td>
<td>1</td>
</tr>
<tr>
<td>10</td>
<td>Camera board</td>
<td>1</td>
</tr>
</tbody>
</table>
CONTROLLER FUNCTIONS

Stunt/Speed
Headless mode
The throttle rocker
One key to return back
One key to take off
One key to land
Take photo/video
On/off button
The direction rocker
Left and right fine-tuning
Front and back fine-tuning

CONTROLLER INSTRUCTION

1. On/off
(1) On (After put on the battery, R/C is in sleep model, indicator extinguish when off)
Short Press the ON/OFF, the remote control enters the normal mode of work, the buzzer is short sound one beeping, and the power indicator is fading.
(2) Power off: short press the ON/OFF, the buzzer is short sound two beeping, the power indicator is out and the remote control is off.

2. Turning
When the remote control and the aircraft are pairing the code, move the turning rocker to left and right, the aircraft will turn left and right.

3. Forward and backward
When the remote control and the aircraft are pairing the code, move the rocker to forward and backward, the aircraft will fly forward and backward.
4. Left and right
When the remote control and the aircraft are pairing the code, move the rocker to left and right, the aircraft will fly left and right.

5. Fine-tuning function
The aircraft can be stabilized by adjusting the direction of the aircraft, in the opposite direction of flight.

6. Headless mode
Short press the button to enter headless mode. The vehicle’s flying direction will be the same as the demand of controller, no matter where the head is.

7. Stunt
Long press the button for stunt. The beeper will keep ringing.

8. Speed
Short press the button to adjust the speed. There are three speed levels. You will hear a beep sound while adjusting. Beep one for level 1, beep two for level 2, beep three for level 3. The higher the level, the faster the speed.

9. One key take off and one key landing
In the fixed high mode, after press the one key take off and one key landing buttons, automatically aircraft up to one meter from the ground level hover, trigger buttons again, aircraft flying will fall to the ground stops automatically.

10. One key to return
Short press the button for one key to return. Press again to finish return.

11. Calibration
(1) if the aircraft is drifting to one side during takeoff, it can be calibrated to make the flight more stable.

(2) Calibration method: the aircraft is placed on the horizontal surface, and the two rocker of the remote control is pushed to the lower right corner, when observed the indicator light flashes on the aircraft, release the remote control rocker, indicating that it has been calibrated.

(note: the aircraft should be kept at the horizontal surface. During
calibration, the aircraft will not be able to riot. After the calibration is completed, the indicator light will stop flash quickly).

12. Low voltage warning:
When the battery is low power, the power light will blink, power light will blink, which means you have to change the battery. Meanwhile, a "beep beep“ sound will send from the buzzer, which means you have to stop flying the vehicle.

REPLACING THE PROPELLER BLADE

The propeller system is a precision instrument that may need to be repaired or replaced from time to time for optimal flight function. Crash landing from high-speed aerial flights may cause damage to propeller blades.

1. The aircraft has four blades, two white colors on front, and two black colors on back (see the diagram below).

2. When replacing the propeller blades, make sure to match both the color of the blade and the indication letter on the blade.

3. Replace broken blades with the correct blade.

white blade front left=F
white blade front Right=R

Black blade back left=R
Black blade back Right=F

BATTERY WARNINGS

RECHARGEABLE BATTERY:
This Quadcopter uses a Li-Poly rechargeable battery. If battery no longer stays charged, dispose of battery properly according to local disposal requirements.
CONTROLLER BATTERIES:

Remote control requires 2"AAA" batteries (not included). Please read the important battery safety warning below.

- Do not mix alkaline, standard (carbon-zinc) and rechargeable batteries (Nickel Metal Hydride).
- Do not mix old and new batteries.
- Non-rechargeable batteries are not to be recharged.
- Rechargeable batteries are to be removed from the item before being charged (if removable).
- Rechargeable batteries are only to be charged under adult supervision.
- Exhausted batteries should be removed immediately and must be recycled or disposed of properly according to state or local government ordinances and regulations.
- The supply terminals are not to be short-circuited.
- Only batteries of the same or equivalent type as recommended are to be used.
- Batteries are to be inserted with the correct polarity (see inside booklet for diagram).
- Do not dispose batteries in a fire—batteries may leak or explode.

CHARGING BATTERIES

1. Take off the battery from the vehicle. Connect the battery with a USB cable. Plug the USB cable into a mobile phone adapter or a computer.

2. The Charging Indicator will blink when charging. The Charging Indicator will turn OFF when fully charged.

CHARGE WITH OUR DEDICATED CHARGER.

⚠️ Caution

During the flight, the indicator light of the aircraft is slow to flash while the remote control makes a "beep beep", indicating that the battery voltage is insufficient and please land down to recharge the battery.
Battery charge

Mobile phone adapter: Output: 5V
Charging current: 1-2A.

<table>
<thead>
<tr>
<th>LED indicator LED</th>
<th>Charger specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Off  O</td>
<td>Input</td>
</tr>
<tr>
<td>On  ☀️ charging</td>
<td>5V</td>
</tr>
</tbody>
</table>

⚠️ WARNING
⚠️ CAUTION
The LED will be on continuously while the quadcopter is on. When it is low on power the indicator will blink. Please land the quadcopter.

BATTERY AND CHARGER SPECIFICATION

Battery usage and charge duration reference

<table>
<thead>
<tr>
<th>Battery type</th>
<th>Battery specifications</th>
<th>Usage Duration</th>
<th>Charge Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Li-po battery</td>
<td>3.7V 400mAh</td>
<td>Helicopter flight time approx. 6-8 Minutes</td>
<td>Approx. 50 minutes (Charging current approx. 0.5 A)</td>
</tr>
<tr>
<td>Carbon-zinc (Non-rechargeable)</td>
<td>1.5V (GP 15G R6P)</td>
<td>Transmitter Operation Time 18 hours. Used for Lithium Polymer. Approx. 3 times charging.</td>
<td>Non Rechargeable</td>
</tr>
</tbody>
</table>

SYNCING THE REMOTE CONTROL & QUADCOPTER
STEP 1

Insert the battery into the quadcopter and connect the plug. The two indicators will begin flashing. Place the quadcopter on a flat surface.

Important: Be sure the surface is flat and level. The quadcopter needs to calibrate it’s orientation.

STEP 2

As shown in the figure, push the rocker of the remote control to the position in the lower right corner at the same time. At this time the indicator light of the aircraft flashes and then loosens the remote control, and the indicator light is always on and the calibration is complete.

⚠️ WARNING

When not in use for a long time, please take out the remote control battery and keep it properly.

Note: If the remote control battery is not removed, the long storage will cause the leakage of the battery and damage the remote control device.

FLIGHT ADJUSTMENT AND SETTING

PLEASE PRACTICE SIMULATED FLIGHT BEFORE ACTUAL FLYING

Before you are familiar with the unit, please don't pilot it. Read the instruction carefully to get familiar with the direction controls.

1. Checking that propellers are securely attached to the motors. Pull the throttle down to prevent takeoff.
2. Place quadcopter in a clear open field and point the tail towards yourself.

3. Practice operating the control sticks (as shown below), and repeat practicing “Throttle high/low”, “Left/right”, “Forward/backward”, and “bank left/right”.

4. Strong impacts can jam the motors, using a long flat nose plier to unjam to rotor.

5. The simulation flight practice is very important, please keep practicing until you are comfortable with the controls.

<table>
<thead>
<tr>
<th>Rotate</th>
<th>Turn right</th>
<th>Throttle</th>
<th>Direction</th>
<th>Fly backward</th>
<th>Rudder</th>
<th>Move right</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Rotate" /></td>
<td><img src="image" alt="Turn right" /></td>
<td><img src="image" alt="Throttle" /></td>
<td><img src="image" alt="Direction" /></td>
<td><img src="image" alt="Fly backward" /></td>
<td><img src="image" alt="Rudder" /></td>
<td><img src="image" alt="Move right" /></td>
</tr>
</tbody>
</table>

**FLIGHT ADJUSTMENT AND NOTICE FOR BEGINNERS**

⚠️ **CAUTION**
- Check if the screws and blades are firmly tightened
- Check if the transmitter and helicopter are fully charged.

⚠️ **CAUTION**
- Make sure that no people or obstructions are in the vicinity.
- You must first practice hovering to fly safely, this is a basic flight action (meaning keep the helicopter in mid air in a fixed position).
- Please stand approximately 6ft diagonally behind the helicopter.
STEP 1. THROTTLE CONTROL PRACTICE

1. The throttle is on the left hand, push the throttle a little up to raise the copter to your line of sight then pull down a little to let the quadcopter slowly down to the floor. Repeat until you can easily and quickly control the altitude.

2. Hovering flight practice: Raise the quadcopter to a certain height then hover at that altitude.

3. Try increasing and decreasing the altitude quickly this time while still maintaining control.

STEP 2. DIRECTION CONTROL PRACTICE

1. Use the right stick to practice moving forward and backwards.

2. Use the left and right stick to practice turns and banking.

STEP 3. RUDDER CONTROL PRACTICE

1. Slowly raise the throttle stick

2. Move the nose of the helicopter right or left and then slowly move the rudder stick in the opposite direction to fly back to its original position.

STEP 4. PRECISION PRACTICE

After you are familiar with all actions from step 1 to 3, draw a circle on the ground and practice with it in the circle to increase your accuracy.

You can reduce the size of the circle as you become familiarized with the control reflexes.
STEP 5. DIRECTION CHANGE AND HOVERING PRACTICE

After you are familiar with step 1 to 4, Stand at side of the helicopter and continue practicing 1 to 4. Then repeat the step 1 to 4 by standing in front of the helicopter.

ADJUSTMENT OF EACH TRIM

Slowly raise the throttle stick and observe just as the helicopter lifts off the ground if it leans in a direction. You can use the trim to correct this action.

1. Adjustment of Left/Right trim
Just before the quadcopter lifts-off, the nose leans left/right.
When it leans right adjust the trim to the left side.
When it leans left adjust the trim to the right side.

2. Adjustment of Forwards/Backwards trim
Just before the quadcopter lifts-off, the nose leans forward/backwards.
When it leans forwards adjust the trim down.
When it leans backwards adjust the trim up.

3. Adjustment of Roll trim
Just before the quadcopter lifts-off, the body rolls left/right.
When it rolls right adjust the trim to the left side.
When it rolls left adjust the trim to the right side.

STABLE, FLEXIBLE, 3D TO ROLL EASILY

Stable, flexible, 3D to roll easily
After you skilled above basic movements, you can play some of the breathtaking tumbling action.

First, the aircraft flew more than 2 meters’ height; Press the key rollover, then push the stick of forward/backward, or left/right to top then release the aircraft can roll over.

**INSTALL A MICRO SD CARD**

If a MicroSD card is not installed the LEDs will flash 5 times. When a MicroSD card is installed the LEDs will stay illuminated.

Micro SD card sold seperately, 8G (FAT&FAT32 format)

**CAMERA / VIDEO OPERATION**

The remote control can control the quadcopter’s camera.

Photo Mode: Press the camera button to take a picture. The LED on the quadcopter will flash once to confirm it took a picture.

Video Mode: Press the video button to start recording a video. The LED on the quadcopter will blink slowly while it is recording. Press the video button again to stop recording.

To access the photos and video you will need a MicroSD card reader.

The maximum capacity of MicroSD card is 8G (FAT format).
<table>
<thead>
<tr>
<th>Situation</th>
<th>Cause</th>
<th>Solution</th>
</tr>
</thead>
</table>
| After turn on the quadcopter the LED indicators keep flashing but the quadcopter does not respond. | Transmitter and receiver fail pairing | - Sync the remote control and copter (refer to P.7)  
- Fully charge the battery |
| No response after the battery is connected to the quadcopter. | Check whether it is low power | Charging the helicopter |
| Main rotor continues to spin after landing. | Throttle stick not on the lowest position. | Make sure the Throttle stick is on the lowest position. |
| Helicopter rotor spins but unable to take off. | 1. Check whether the blade assembled correctly or not.  
2. Helicopter battery depleted. | Make sure the throttle stick is at the lowest position |
| The helicopter still keeps turning after rudder trimming or inconsistent speed during left/right pirouette. | 1. The blades haven’t been installed in the right place.  
2. Rotor blade deformation  
3. Didn’t calibrate the flight. | 1. Replace the main wing  
2. Change blade  
3. Correct the level refer to P6. |
|   | The quadcopter still keepsturning after trimming the rudder trim, or inconsistent speed during left/right turns. | 1. The blade isn’t fully installed  
2. Rotor blade deformation  
3. Rotor blade not match code | • Change blade  
• Correct the level refer to P6  
• Replace the main wing  
• Replace the main motor |
|---|---|---|---|
| 7 | The quadcopter shifts forwards/ backwards. | The trim is not even. | • Trim the elevator back to center.  
• Restart the remote control. |
| 8 | Can not fly the helicopter after crashing | 1. Rotor blade turns off  
2. Tighten the Rotors |

⚠️ **WARNING**  
Forbid children under 14 years to operate the product.

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.