Quadcopter
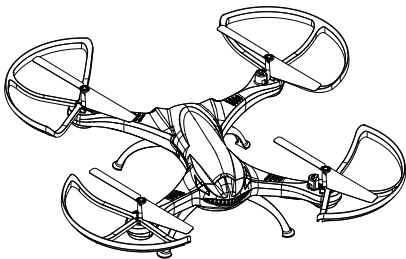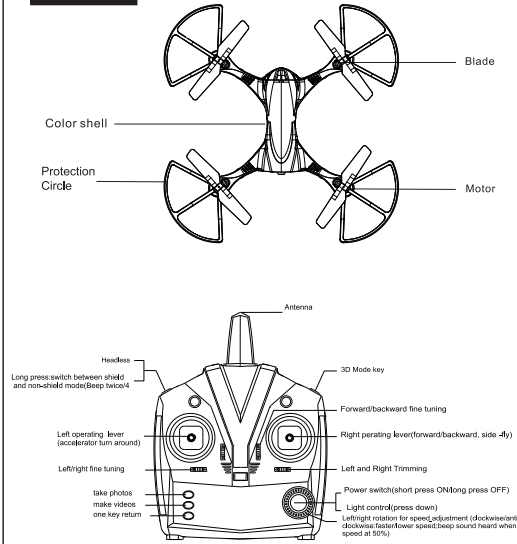
Instruction Manual

Please read the instruction manual carefully before operation and keep it for reference.

Parts name

- Blade
- Color shell
- Protection Circle
- Motor

- Antenna
- Headless — Long press:switch between shield and non-shield mode(Beep twice/4
- Left operating lever (accelerator turn around)
- Left/right fine tuning
- take photos
- make videos
- one key return
- 3D Mode key
- Forward/backward fine tuning
- Right perating lever(forward/backward, side -fly)
- Left and Right Trimming
- Power switch(short press ON;long press OFF)
- Light control(press down)
- Left/right rotation for speed adjustment (clockwise/anti-clockwise:faster/lower speed;beep sound heard when speed at 50%)
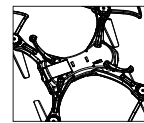
Notice:
1.When the transmitter is powered off, press down the power button for One-Key powering on. And when the transmitter is powered on, short pressing down the power button is for light function, while long pressing is to power off the transmitter.
2.In order to make better flight experience for players, the transmitter is designed with a factory setting of no-protecting guards flying mode. If player equips the quadcopter with protecting guards, please keep pressing down the headless mode button(on the top left of the transmitter), until the transmitter sounds "Di" f or twice, then release the button, and now is in the mode for flight mode with protecting guards.

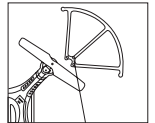---

Battery Installation on controller

1, Open the battery cover.
2, Insert 4 AA batteries (not included). Please follow the +/- polarity when insert the battery.
3, Replace the battery cover.

Protecting Circles Installation

Use a screw driver to fix the protecion circles onto the quadcopter.
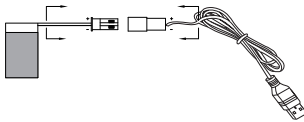
Screw position   Screw position

Recharge the quadcopter battery

1. Take the battery out from the battery cover on the quadcopter.
2. Connect the battery with the USB cable (below picture) and connect the other end of he USB cable to any USB port.
3. The charging indicating light will be OFF while charging and it will be ON when charge is complete.

3.Headless mode. When the quadcopter is powered on, please make the head of the drone face towards the front, and the tail of the drone face towards the player. Connect the drone to the transmitter, short press down the headless mode to enter or exit the Headless mode. When the drone is in Headless mode, the transmitter keeps sounding Di..Di..Di..", and the light of the drone flashes, now the Headless Mode is activated, there is no direction to distinguish the front and back of the drone when flying. Press down the Headless Mode button again to exit the Headless Mode. When the One-Key function is turned on, the drone will be flying towards the player, whichever direction the head of the drone faces towards. Move the direction throttle to any direction, then the One-Key Mode exits instantly.

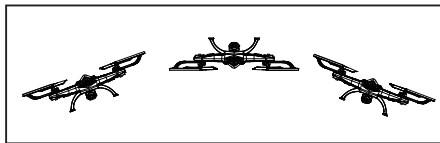---

Preparation before taking off

1. Please operate in spacious indoor or outdoor without rain or snow, and wind power should be below 4 grade, be away from people, animals and obstacle.
2. Insert the Li-po battery provided by factory into quadcopter, the indication light of the quadcopter is flashing, then put the quadcopter on leveled place and wait for frequency adjustment.
3. Pull the acceleration lever to the lowest, turn on the remote control's switchover, push the acceleration lever to the highest, then pull it back to the lowest again. There will be a "di" sound and the quadcopter indication light turns on, then the frequency adjustment is completed and it's ready for taking off.

Flying controlled and fine tuning

Ascend /descend	When the left operating lever push up or pull down, the quadcopter is ascending or descending.
Turning	When the left operating lever push left or right, the quadcopter turns left or right.
Forward /backward	When the right operating lever push up/down, the quadcopter goes forth/back.
Side Fly	When the right operating lever push left or right,the quadcopter goes to the left or right.
Side-fly fine tuning	When the quadcopter is deviate to left or right,then turn the side-fly fine tuning to right or left until the quadcopter keeps balance
Forward backward fine tuning	When the quadcopter is hovering and the quadcopter is deviate to forward or backward, turn the forward/backward fine tuning up or down until it keeps balance.

4.When there is shifting while hovering, reset the drone for better operation according to the steps: put the drone on the flat ground, turn the turntable at the right side of the transmitter to the max, and pull both sticks down to the bottoms left for about 3 seconds until the LED lights of the drone body flash, then release the sticks. When the lights turn to be solid, the reset is completed.
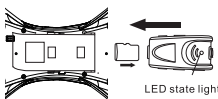

3D roll over

Sightly press the 3D mode key, then the indication light on the quad copter would flashing and pronounce "di" continuously, ascending the quad copter to 2 meters high, and then push the right operation lever to the bottom at any direction, the quad copter will roll over to the corresponding direction, re-operate the movement above to re-roll over.

Instruction for video shooting and photographing

1, Connect the camera unit onto the base of the quadcopter with a screw (the screw is included). Make sure the SD card is well inserted.
2.by pressing the photo mode key of the remote control, the red light would flash once, meaning that the quadcopter is taking photo; by pressing the video shooting mode key, the red light turns into constant on, meaning that the quadcopter is taking video. Press the video shooting key again to stop the shooting and the red light turns off, that means the video shooting is finished.
3.press the SD card slightly to take it out, then insert the card into the card reader and insert it into the USB outlet of the computer to read the data of aerial photography from "my computer"—"portable hard disk".
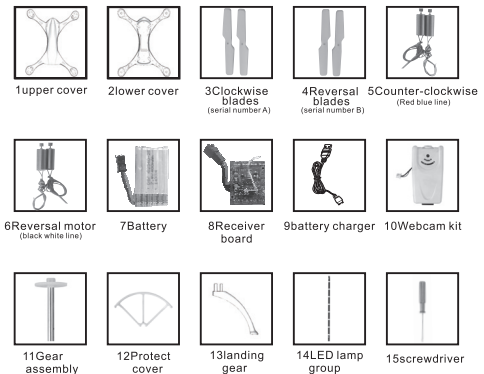
Warm Tips:
1.press The video shooting key again to save the video when finish the video shooting.
2.An AVI form should be compatible to the video playing software
3.the red light indicator will be flashing quickly when the SD card is not inserted or full.

LED state light

5.To avoid a drop due to getting short of power during flight, the drone is designed with a safety alarming function. When the battery is getting short of power, the LED light on the drone turn to flash quickly from solid light, player have to fly the drone back upon the alarm for replacing battery or a rest.

Common problem and solution instruction :

The problem	Reason	Countermeasures
The indication light of the quadcopter is flashing and without reaction when operated	1.Frequency modulation between the quadcopter and remote control is not operated correctly. 2.Insufficient battery power	1.Refer to the Preparation for taking off,and re-modulate the frequency. 2. Recharge the battery
The quadcopter's blades turn around but the quadcopter cannot take off	1.insufficient battery power 2.the blades distorted	1.Recharge the battery 2.Replace the blades
The quadcopter shakes hardly	The blades distorted	Replace the blades
The fine tuning button are all on but the quadcopter still couldn't keep balance	1.The blades distorted 2.The motor doesn't work properly	1.Replace the blades 2.Replace the motor
The quadcopter becomes out of control after crashing	Three-axis acceleration sensor lose its balance after crashing	Put the quadcopter on the ground for 5-10 seconds

Accessories (choose to buy)

- 1upper cover
- 2lower cover
- 3Clockwise blades (serial number A)
- 4Reversal blades (serial number B)
- 5Counter-clockwise (Red blue line)
- 6Reversal motor (black white line)
- 7Battery
- 8Receiver board
- 9battery charger
- 10Webcam kit
- 11Gear assembly
- 12Protect cover
- 13landing gear
- 14LED lamp group
- 15screwdriver

FCC Caution:

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's   authority to operate the equipment.

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.