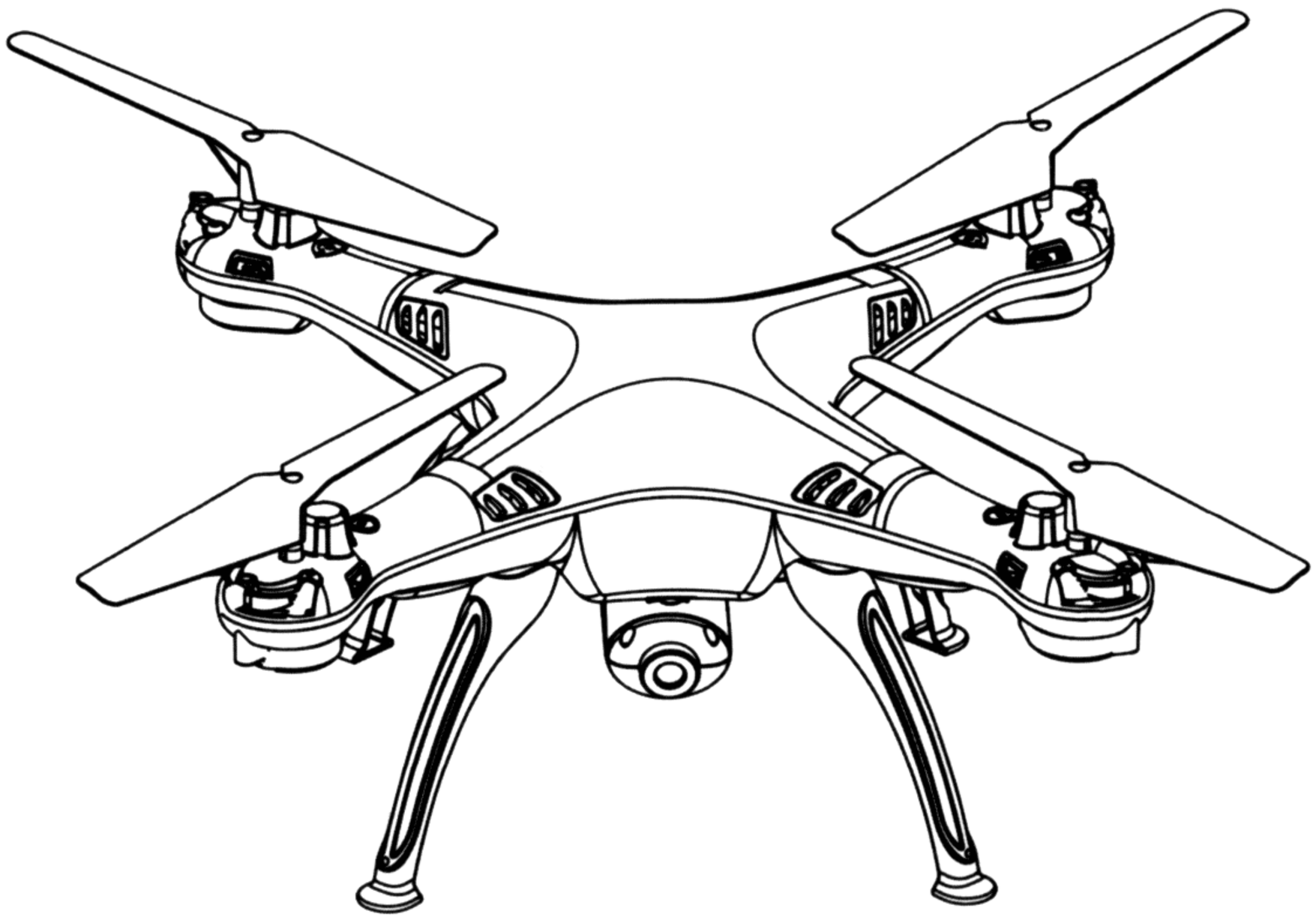
HERO RC

BC CN312

AGES 14+

XQ6 GYROSCOPE 2.4G

4CH 2.4G REMOTE CONTROL QUADCOPTER



1 INSTRUCTION MANUAL

IMPLEMENT STANDARD: GB/T26701-2011

Main characteristics

- Designed around a 4 axis structure, the quad is inherintly more stable and flexible leading to increased agility and speed of flight.
- Built in 6 axis gyro for precise hovering.
- Modular design allows easy access to critical parts for maintenance and assembly.
- Ability to flip and roll.
- Incorporated “headless” function for beginner friendly flight orientation.

The materials and specifications mentioned in this instruction manual or the parts inside this package are for reference only. Any information updates or changes can be subject to change and will be updated on our website.

Safety regulations

1. This machine consists of small parts that small children can choke on. Please be careful in machine placement.
2. This machine has adequate power that can harm property or people. Careful flight and area observation is required before flight.
3. When flight is complete, turn off the machine first, then turn off the transmitter to avoid dangerous interference conditions.
4. Do not leave battery in areas of extreme heat such as in a car, or near a fireplace.
5. When piloting the aircraft, ensure and secure a large cushion of safe area and distance from people and property.
6. Do not let children operate this machine by themselves. An experienced pilot or adult should accompany them while practicing flight.
7. Do not charge non rechargeable batteries.
8. Do not use mixtures of old and new batteries in the transmitter.
9. Do not store batteries in the machine or transmitter if aircraft will be stored for prolonged periods of time.

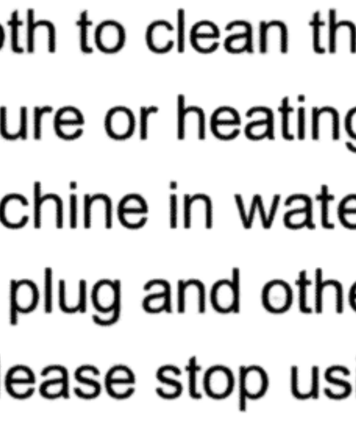
Maintenance

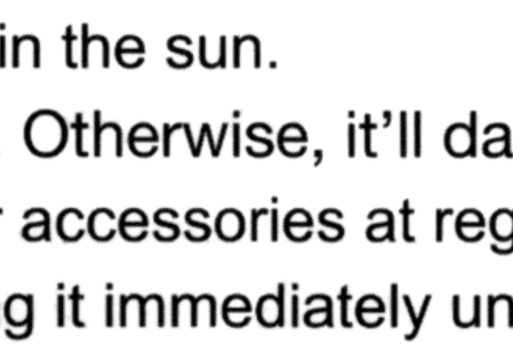
1. Use clean soft cloth to clean this product frequently.
2. Avoid from exposure or heating in the sun.
3. Don't put the machine in water. Otherwise, it'll damage electronic parts.
4. Please check the plug and other accessories at regular intervals. If there is any damage, please stop using it immediately until it is repaired completely.

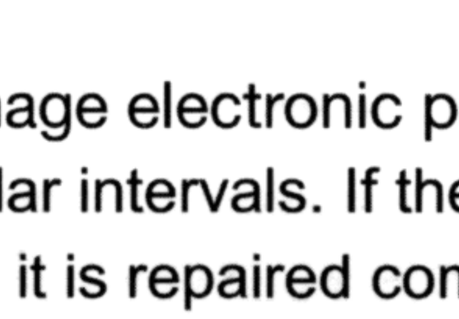
Contents

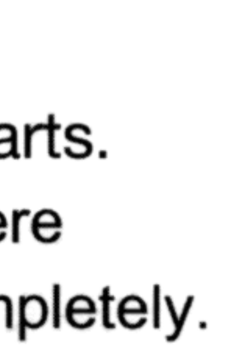
Product includes the following contents:

- Quadcopter
- 2.4G Remote controller
- USB charging wire
- Instruction manual
- Screwdriver
- Blade(4 pieces)
- Camera(XQ6)
- Reader
- Four riggers
- Four foot stands



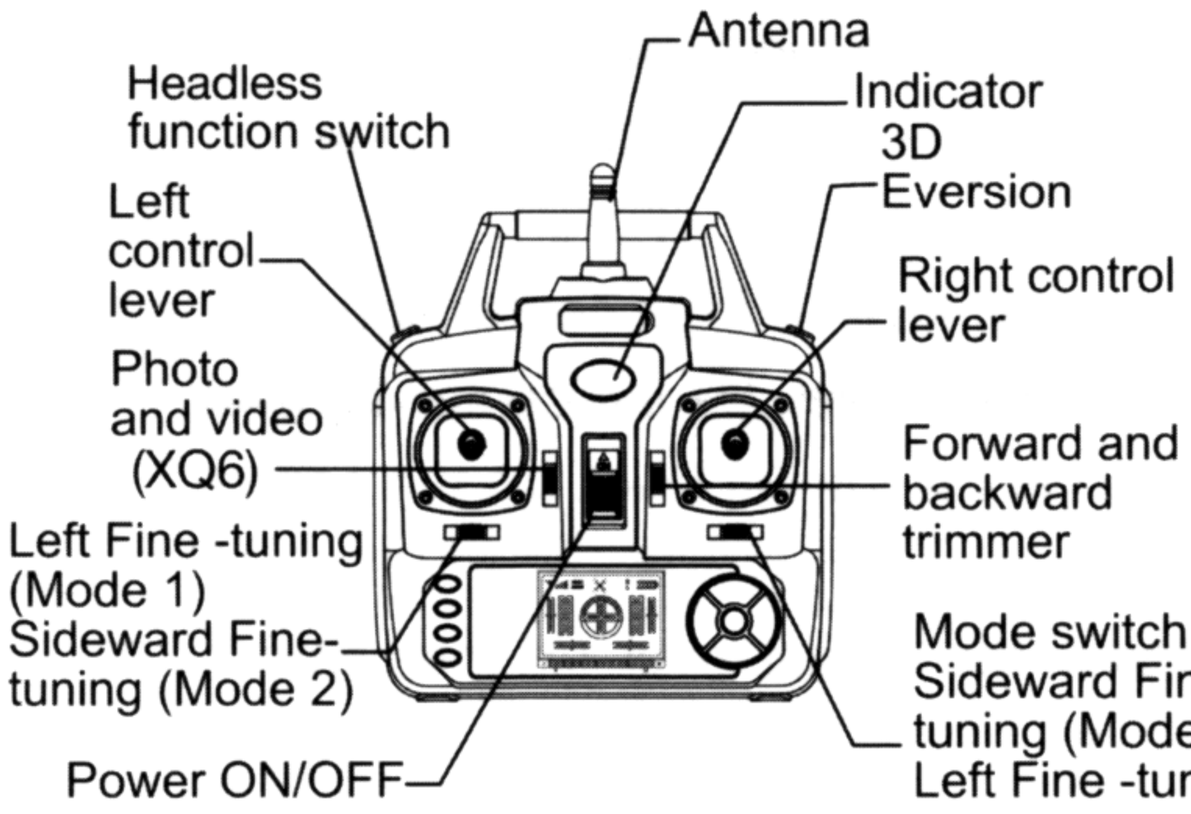


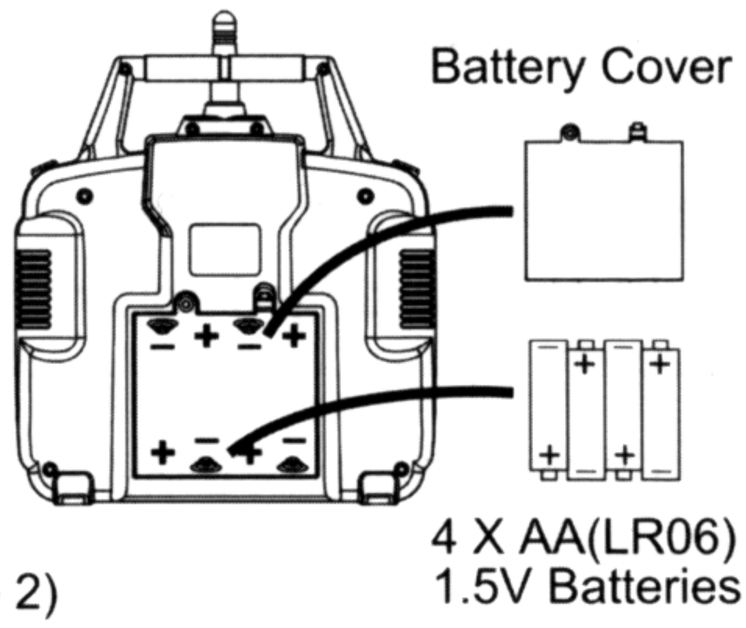




Get to know your transmitter

Introduction of transmitter:

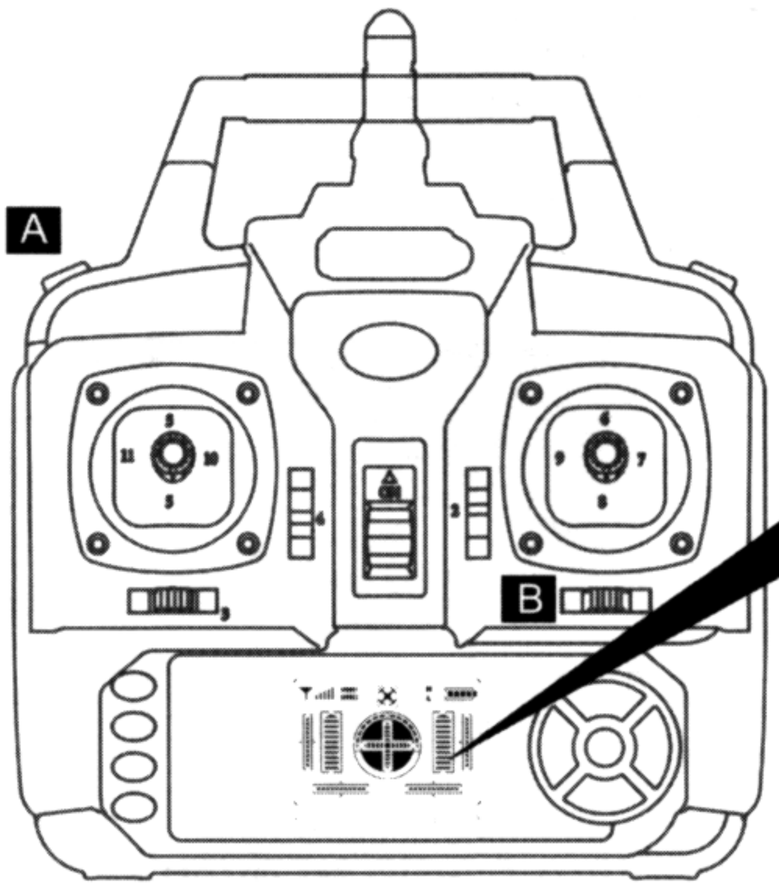


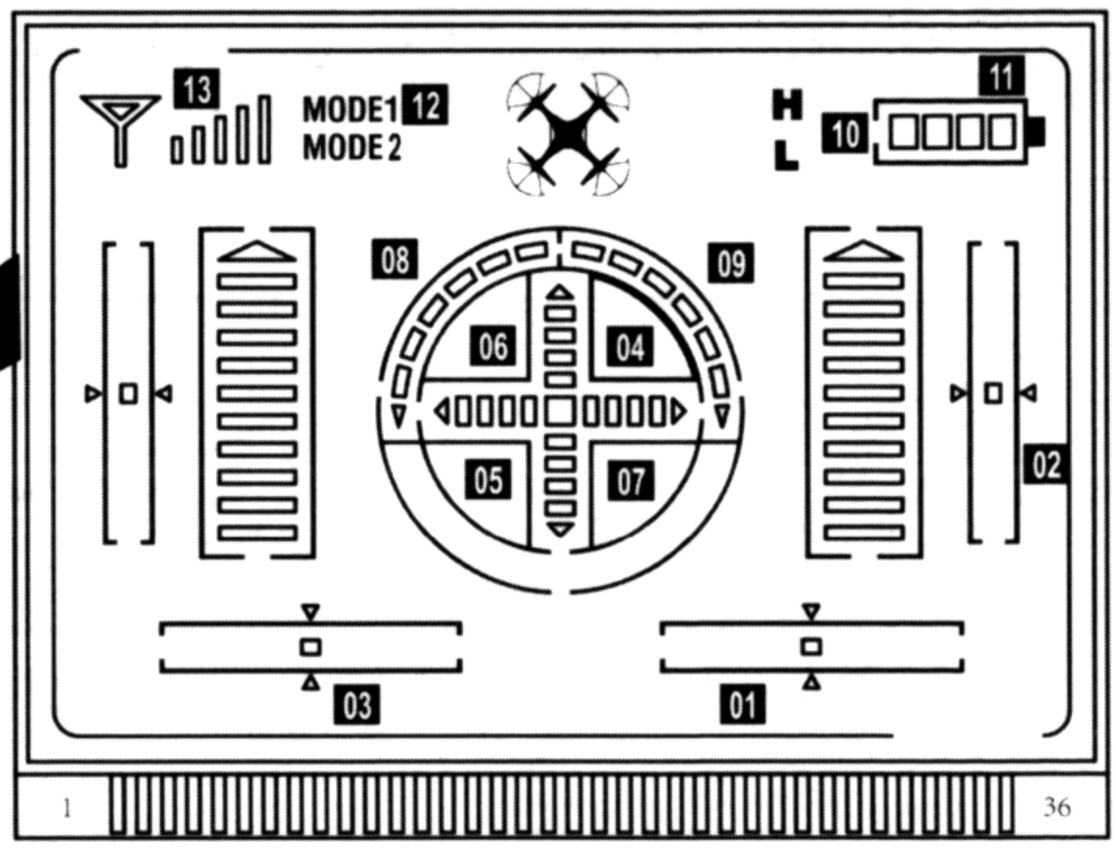


Installation methods of battery: Open back battery cover of remote control, and put 4 AA alkaline batteries in the middle place correctly, according to battery box's pole indication (battery should be available separately).

1.Install batteries with correct polarity.
2.Do not mix old and new batteries.
3.Do not mix different types of batteries.

Remote control keypad and lcd manual





01. Sideward Fine-tuning: Power-on start in the center. (Turn Left/Right Fine -tuning in Mode2)
02. Forward/Backward fine-tuning:Power-on start in the center.
03. Turn Left/Right Fine-tuning: Power-on start in the center. (Sideward Fine -tuning in Mode2)
04. Forward display: Power-on start in the lowest level. (At the center square)
05. Backward display: Power-on start in the lowest level. (At the center square)
06. Right sideward fly display: Power-on start in the lowest level. (At the center square)
07. Left sideward fly display: Power-on start in the lowest level. (At the center square)
08. Turn left: Pull left function lever to left, it will be higher, quadcopter will turn left faster.
09. Turn right: Pull left function lever to right, it will be higher, quadcopter will turn right faster.
10. High/Low speed: Press button "A" to switch between high speed mode or low speed mode. "H" means high speed and "L" means low speed.
11. Power display: According to the battery's energy for the controller.
12. Default mode when power-on. When changed to MODE 2, please keep pressing button "B" to right while turning on the power of transmitter. The MODE on LCD displayer will be changed. Same steps to change to MODE 1 again.
13. Signal display: Normally to full frame.

Install landing skids & blade protecting frame

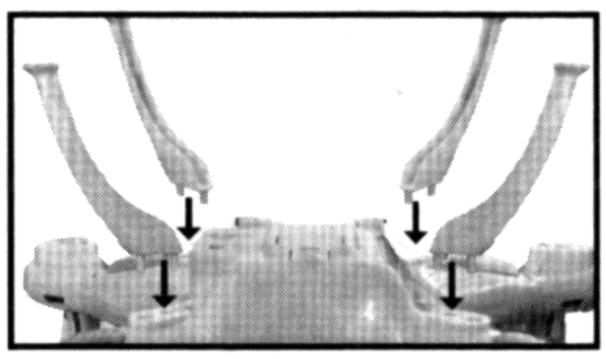


Figure 1

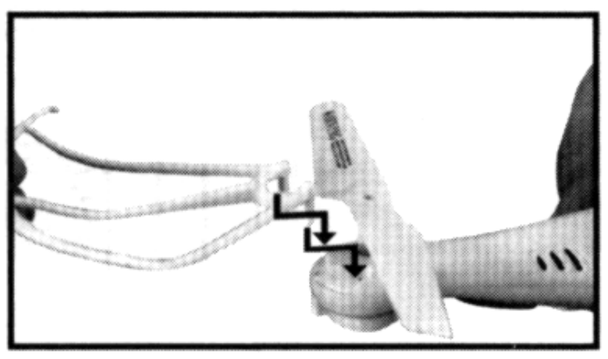


Figure 2

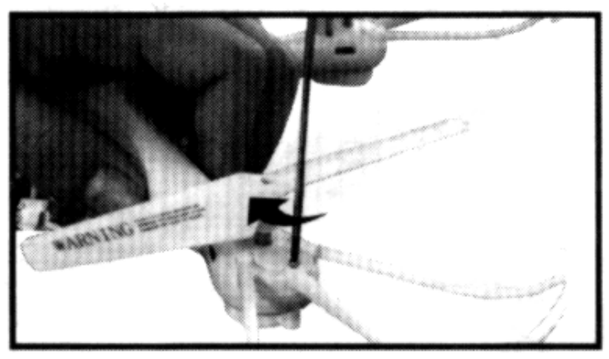


Figure 3

1. Insert foot stands into interface of lower main body as shown in Figure (1).
2. Install the blade protecting frame to every corner and tighten with screws (Figure 2-3).

Install camera

Installation steps of camera:

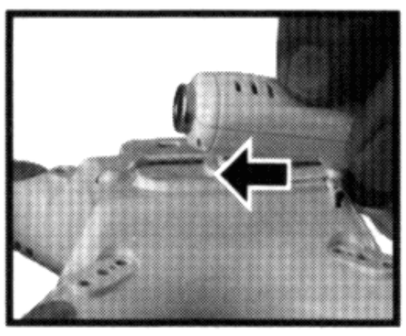


Figure 1

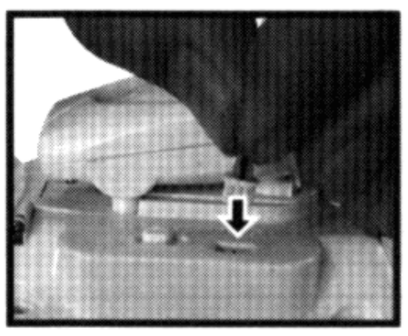


Figure 2

1. Push the camera in place as shown in Figure (1).
2. Connect connecting line of camera with power supply socket of fuselage's camera as shown in Figure (2).

Disassembly steps of Camera:

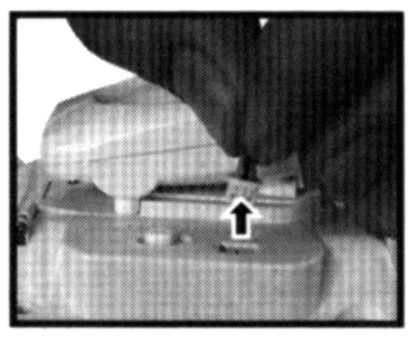


Figure 1

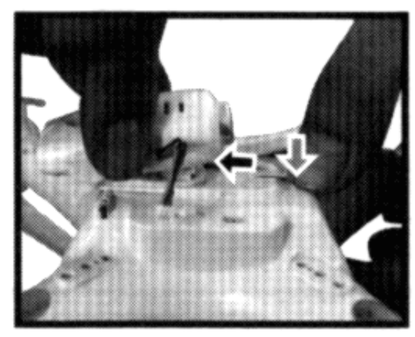


Figure2

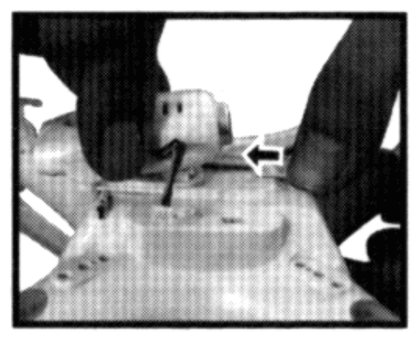
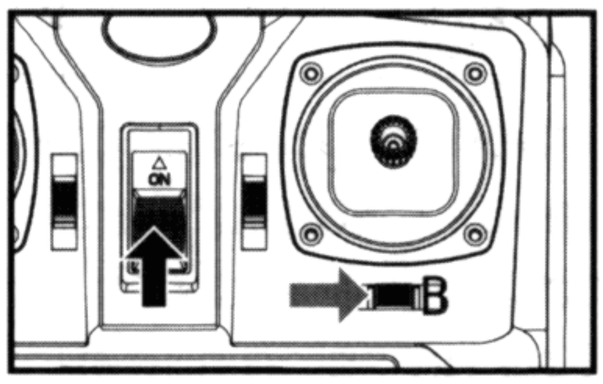


Figure 3

1. Pull out power supply cable of the camera as shown in Figure (1).
2. Press down safe lock of lower main body as shown in Figure (2).
3. Push forward the camera and take it out as shown in Figure (3).

Controller modes & instructions

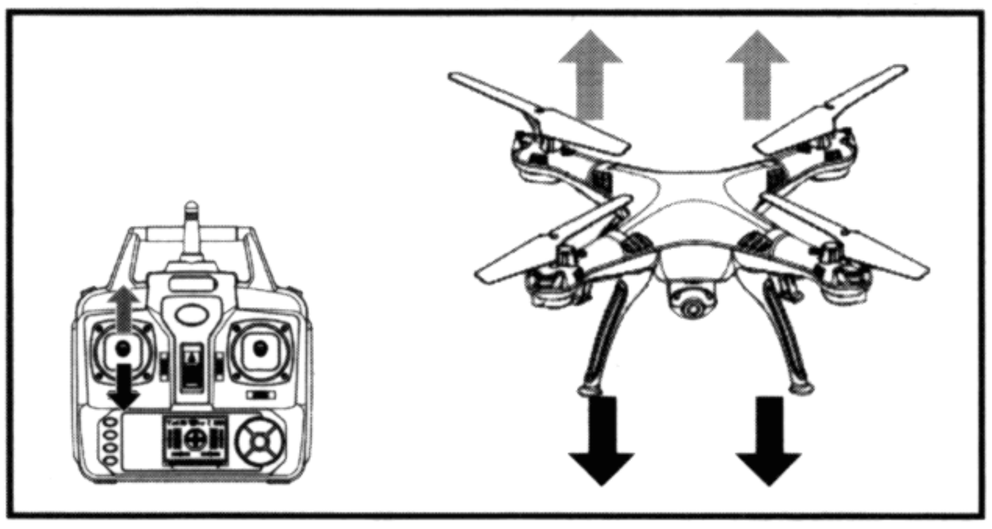
The transmitter has built-in two modes. Mode 1 & Mode 2, in line with different customer's usage pattern. Keep pushing button B to right, then turn on the transmitter power to change Mode 1 or Mode 2.



MODE 1

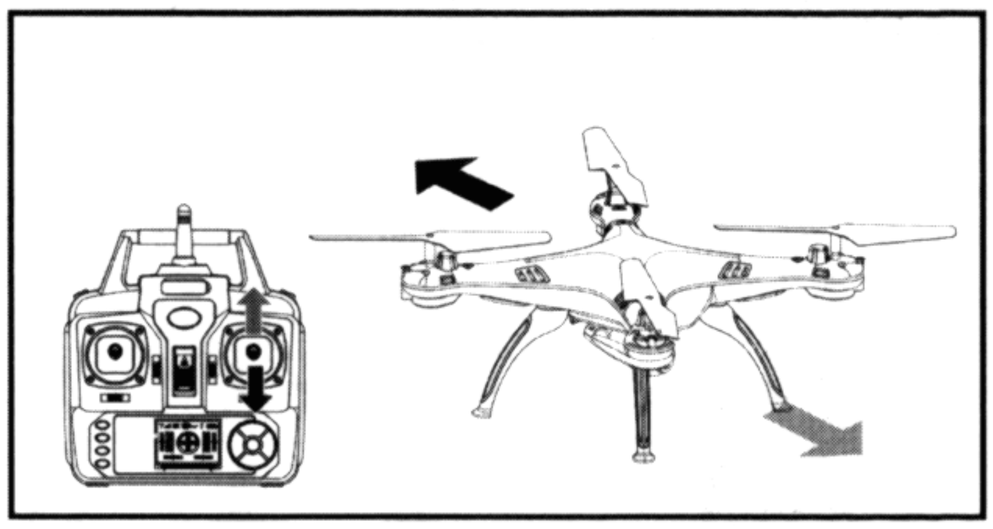
Operating direction

Hover up and down



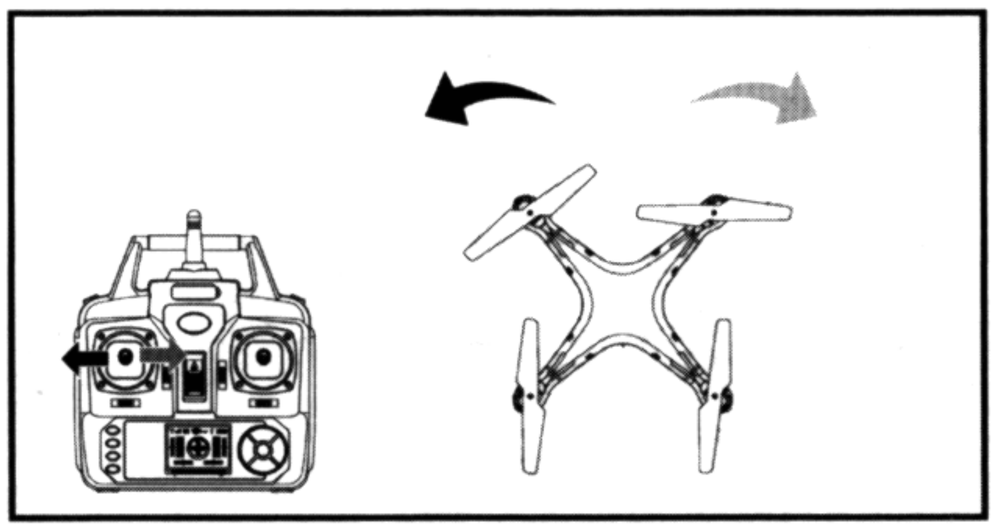
Push the throttle up or down, the quadcopter flies upward or downward.

Forward and backward



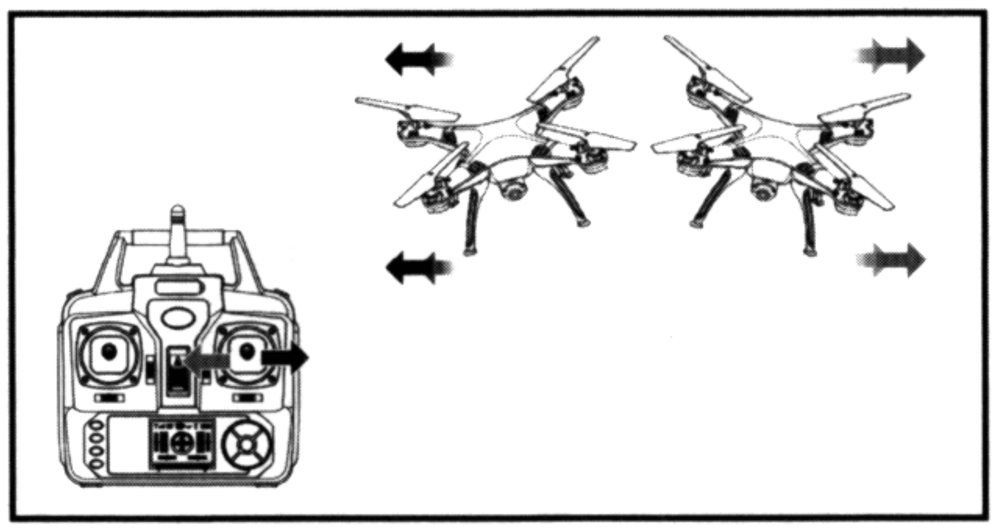
Push the direction lever up or down, the quadcopter flies forward or backward.

Turn Left and Right



Pull the throttle left or right, the quadcopter turns to left or right.

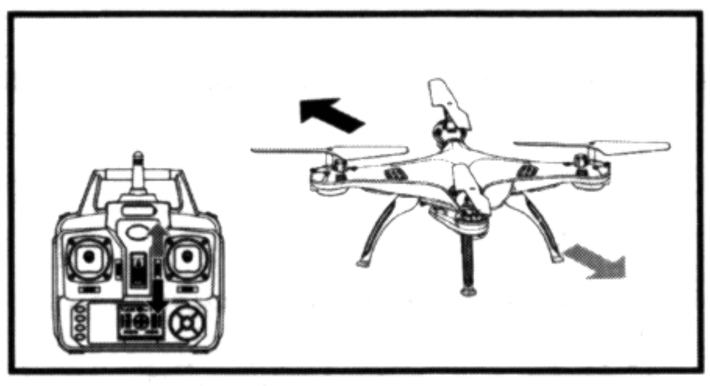
Sideward Flight



Pull the direction lever left or right, the quadcopter flies to left side or right side.

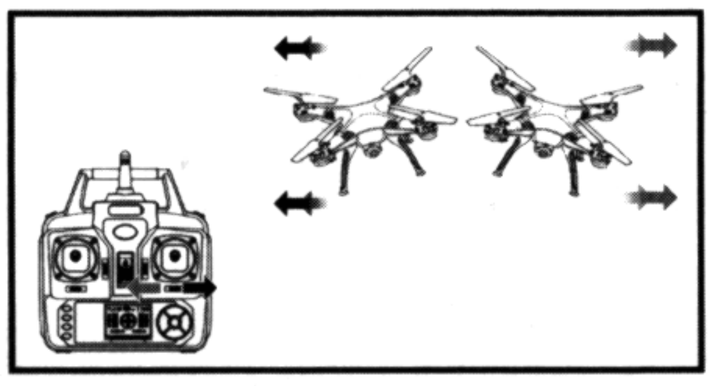
Fine-tuning operation

Forward/Backward fine-tuning



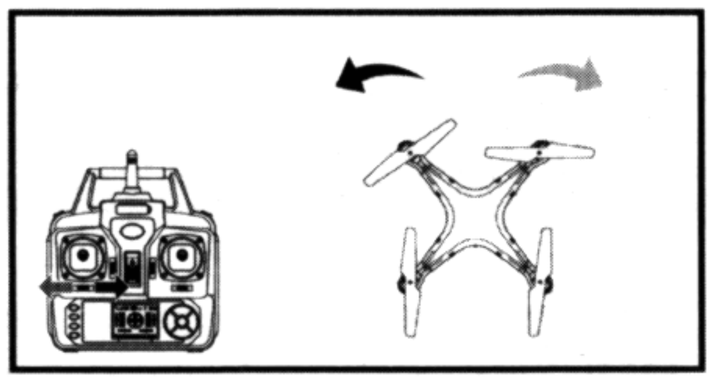
When the quadcopter keeps flying forward / backward, you can correct it by pressing fine-tuning button down / up.

Sideward Flight fine-tuning



When the quadcopter keeps flying to left / right side, you can correct it by pressing the Fine-tuning button right / left.

Turn left/right fine-tuning

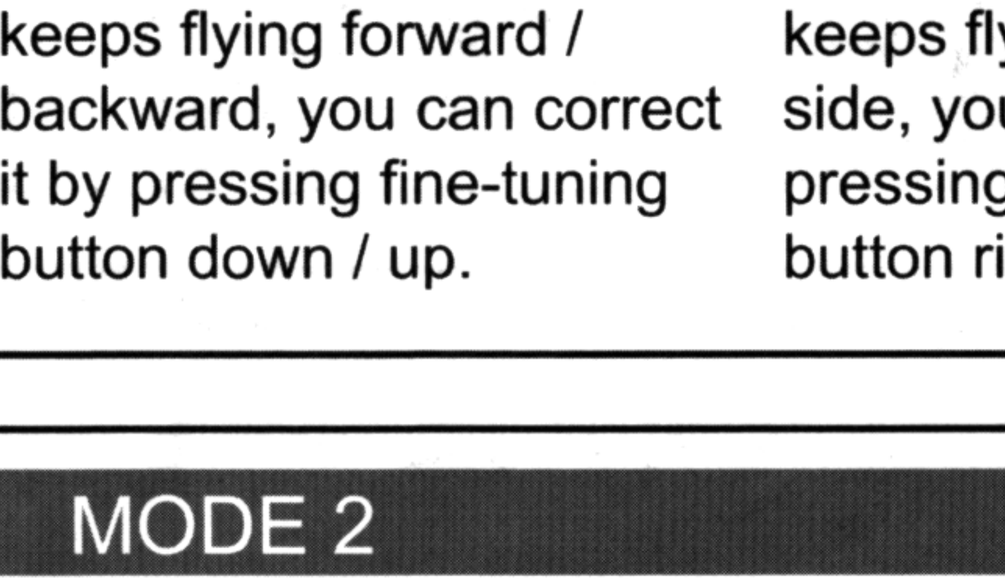


When the quadcopter keeps rotating to left / right, you can correct it by pressing the fine-tuning button right / left.

MODE 2

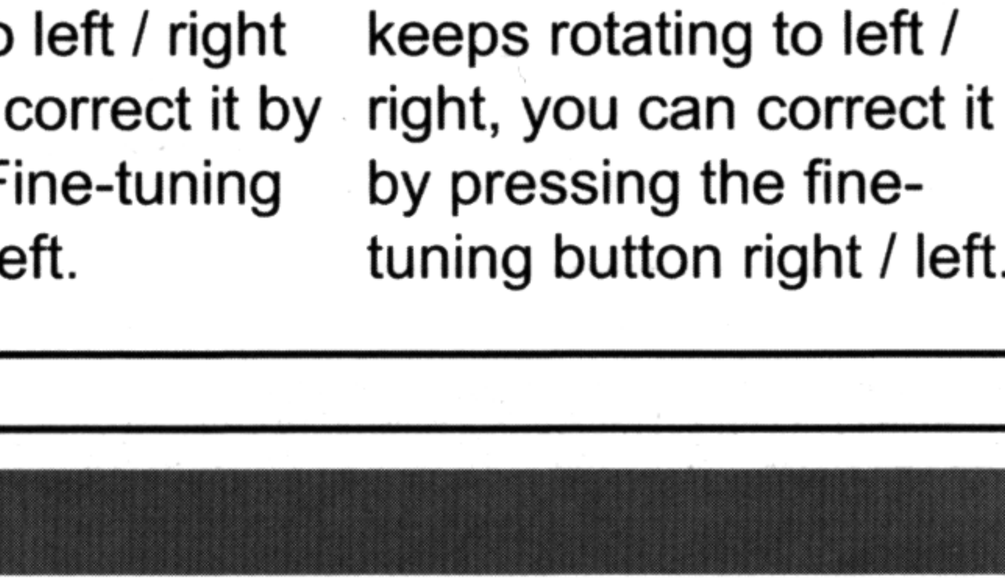
Operating direction

Hover up and down



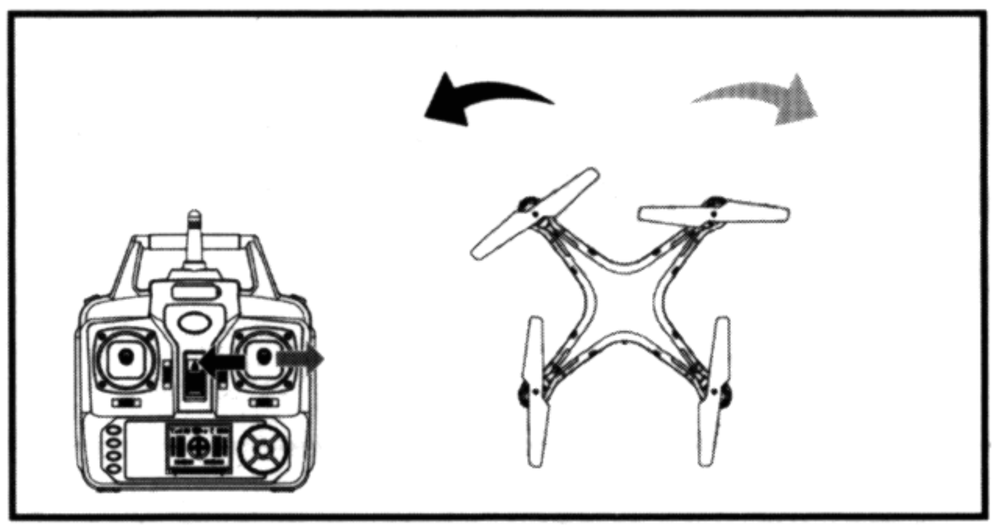
Push the throttle up or down, the quadcopter flies upward or downward.

Forward and backward



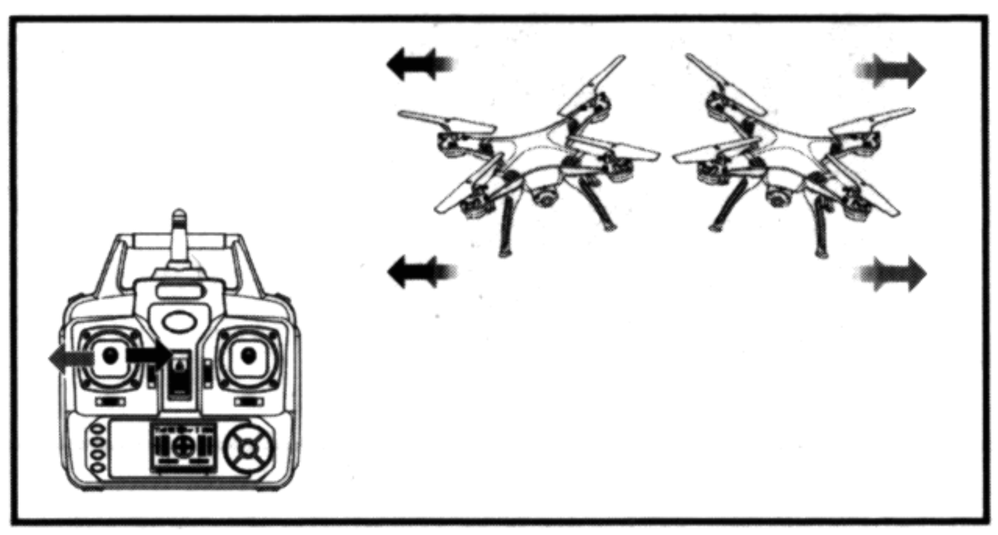
Push the direction lever up or down, the quadcopter flies forward or backward.

Turn Left and Right



Pull the direction lever left or right, the quadcopter turns to left or right.

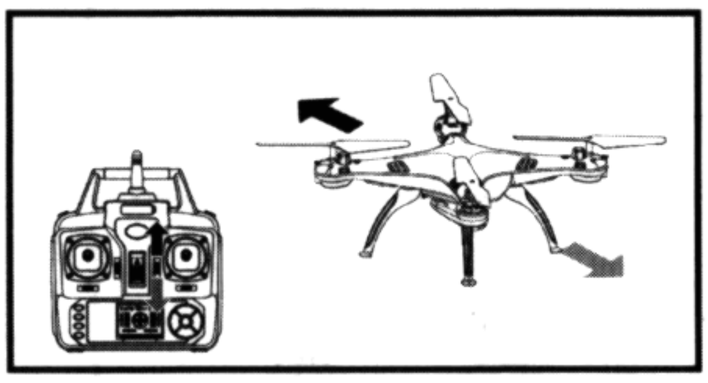
Sideward Flight



Pull the throttle left or right, the quadcopter flies to left side or right side.

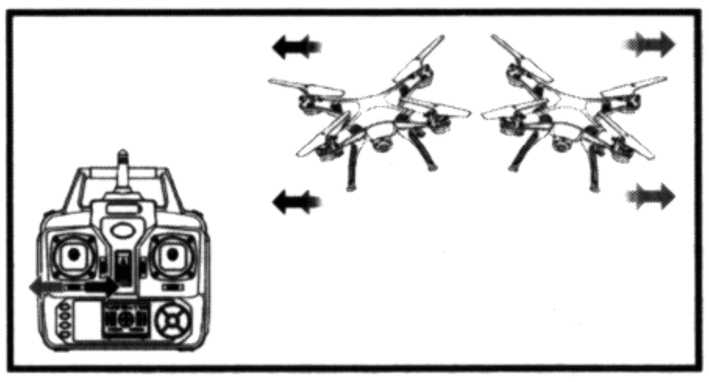
Fine-tuning operation

Forward/Backward fine-tuning



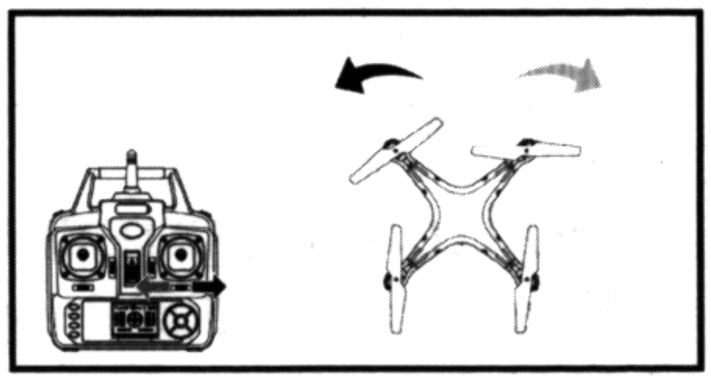
When the quadcopter keeps flying forward / backward, you can correct it by pressing fine-tuning button down / up.

Sideward Flight fine-tuning



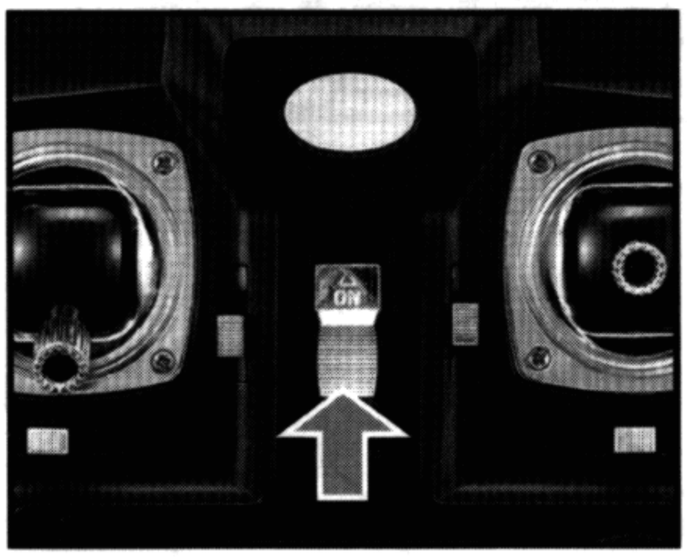
When the quadcopter keeps flying to left / right side, you can correct it by pressing the Fine-tuning button right / left.

Turn left/right fine-tuning

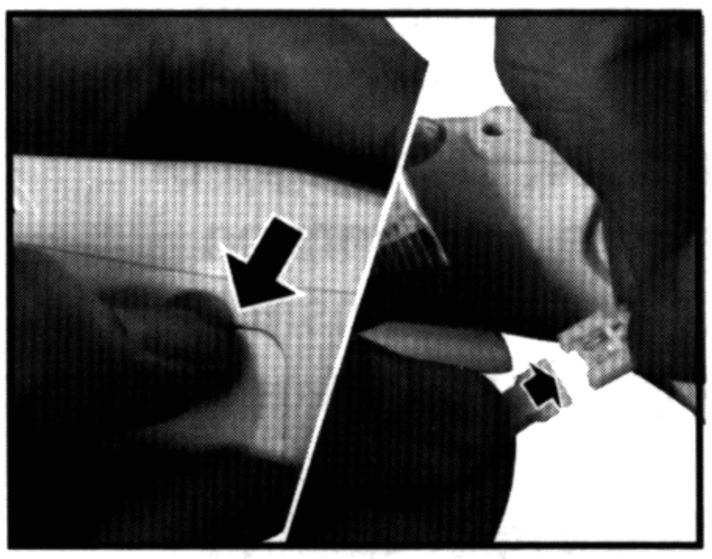


When the quadcopter keeps rotating to left / right, you can correct it by pressing the fine-tuning button right / left.

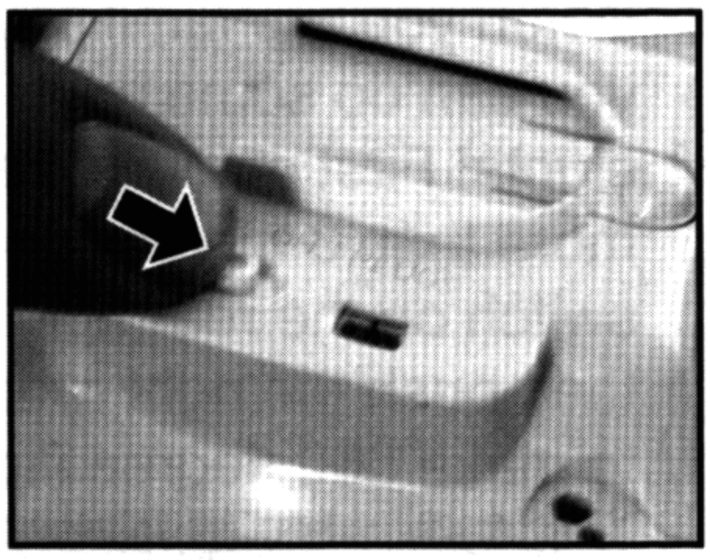
Ready to fly your quadcopter



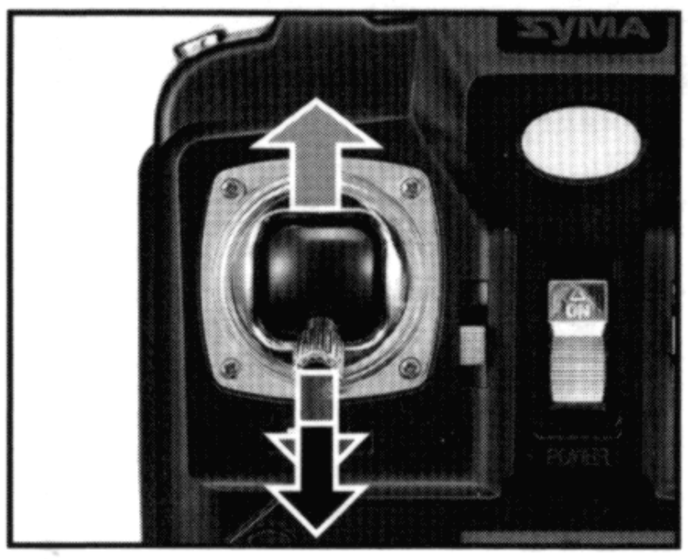
1.Press the ON/OFF power switch up.



2. Open battery cover, and connect battery connector with dash receiver.



3. Enclose battery into the fuselage, after closing battery cover, turn on the switch on the bottom of aircraft.

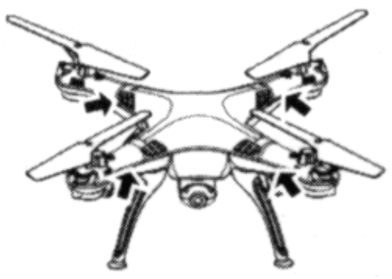


4.Push the throttle lever to the highest position, and then pull it back to the lowest position. There will be one clear sound from the transmitter, this shows that the quadcopter has entered into the pre-fly state.

Function introduction

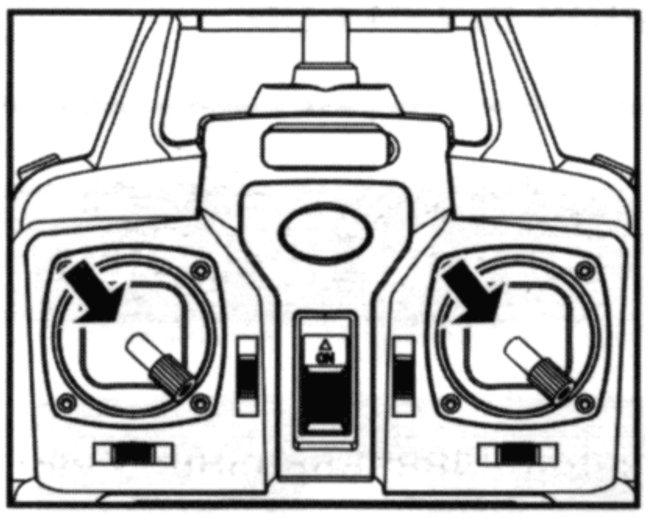
1.Low-voltage protection:

When four indicator lights on the bottom of aircraft start to flicker, it means electric quantity of the aircraft is insufficient. Please control the aircraft to make a return voyage and land.



2.Horizontal correcting calibration:

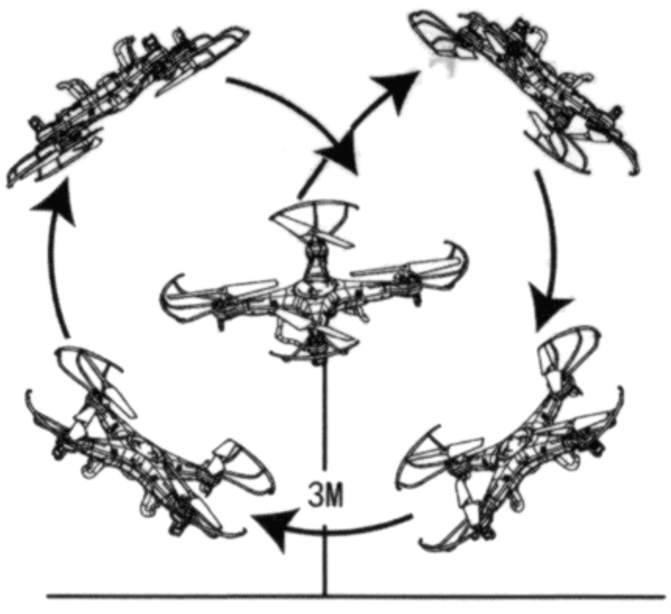
Place the quadcopter on a horizontal postion, then push transmitter both left and right lever to lowest right conner for about 2-3 second , indicator on the quadcopter changed from normal lights up to quickly flashing ;After 2-3 second ,the indicator changed to normal lights, it means the quadcopter restarted /reset successfully.



3.3D eversion:

When you are familiar with the basic operation, you can do some awesome& exciting tricks and stunts! First of all,fly the aircraft to a height of more than 3 meters, press the 3D Eversion switch on the rear right side of the transmitter, then push the right rudder(in any direction) to make 360 degree flip.

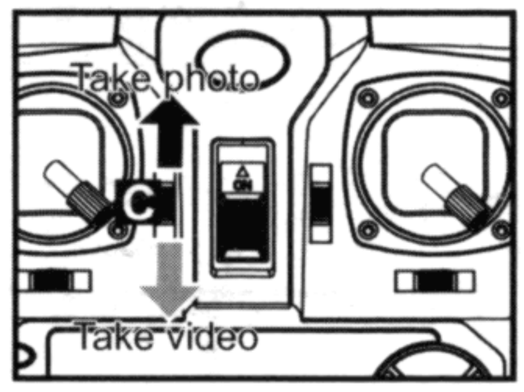
Tips: 3D eversion is better when battery power is fully charged.



5.Photography/video instructions:

1. Methods: ① Make sure the 3-pin plug of camera is inserted to the quadcopter

② Turn the quadcopter power on, the camera works normally when the RED indicator change form flashing to green and keep light on. If the RED indicator just light on and light off seconds later, it means the SD card is not in the camera. Please insert the SD card, then the indicator light will emit GREEN.



2.Get to know take photo and video:

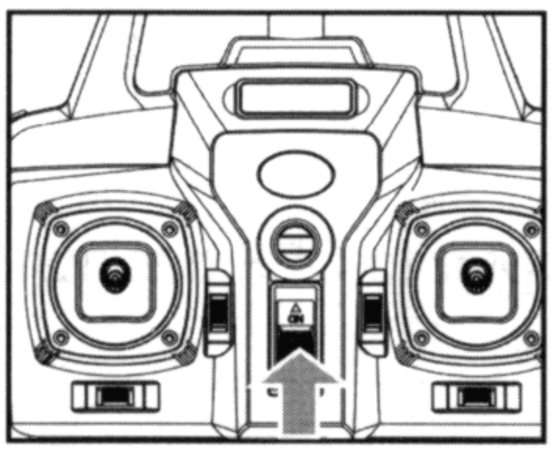
① Turn on the transmitter and pull left lever up and down to connect signal between quodcopter and transmitter.

6.Throwing flight instructions:

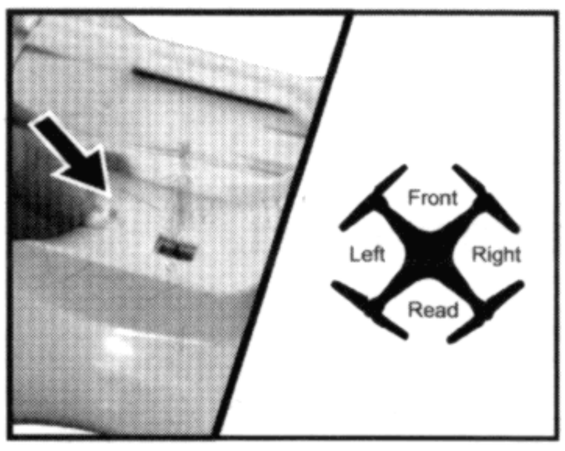
Thanks to the 6 axis gyroscope, you can throw the quadcopter and push the throttle right up, it will automatically level out and hover smoothly in the sky, This can also be done when the quadcopter is tossed.

7.Headless function:

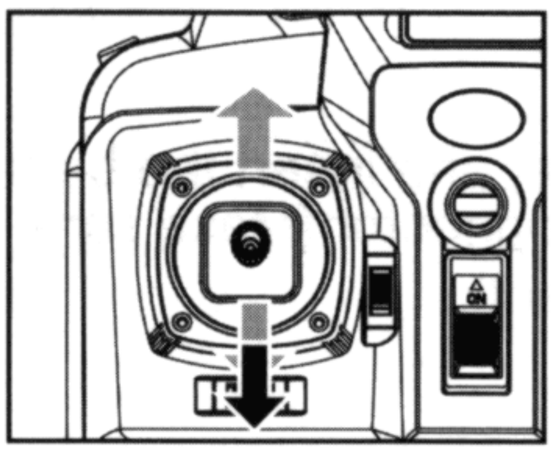
1. Forward definition



1. Turn on power switch of remote control.

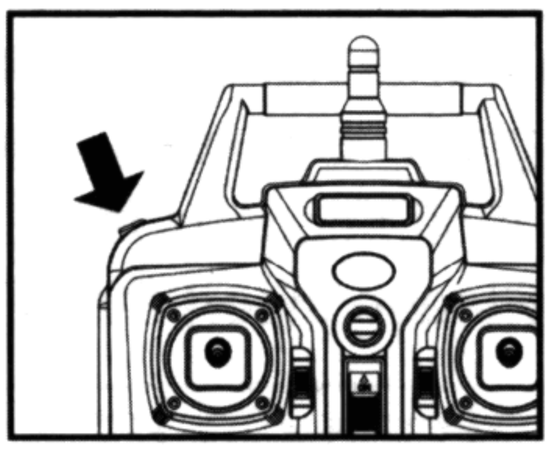


2. After aircraft connects with power supply, place the switch in “ON” position, adjust the direction pointed by aircraft’s handpiece and regard it as the dead ahead in headless situation.

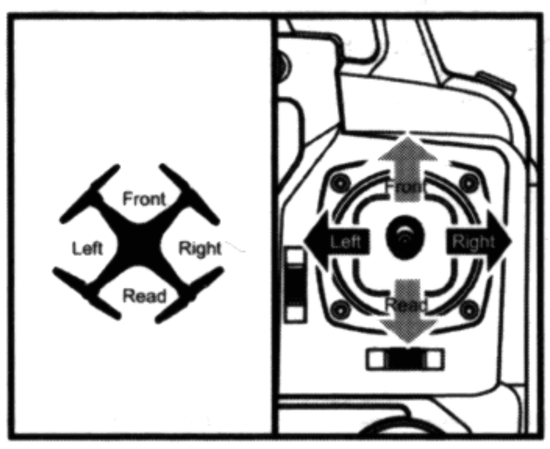


3. Push the accelerator’s push rod of remote control to the highest point and pull back to the lowest point. When remote control pops, it indicates that frequency modulation and forward definition have already finished.

2. Switch to headless function and general function

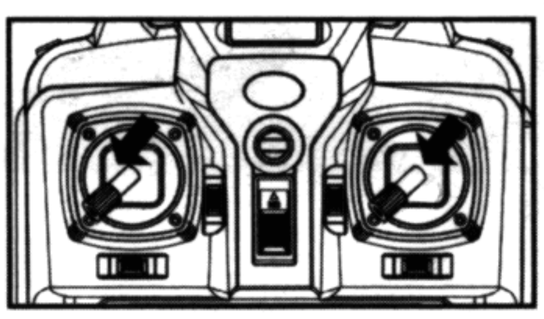


1. After frequency modulation, the aircraft defaults to general pattern. The indicator light on aircraft is long bright state. After pressing down headless function switch on the top left of master remote controller for 2 seconds, remote control will give out “DDD...” sound, it means that it enters into headless state. After pressing for 2 seconds and hearing long “D”, it means that it exits headless state.(In headless mode, four indicators on the aircraft flicker slowly for once within four seconds)



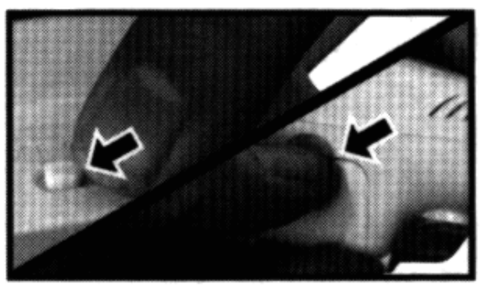
2. In headless state, the operator has no need to recognize the position of aircraft’s headpiece, and he just needs to control the aircraft in accordance with the direction of remote control’s operating rod.

3. Correcting forward direction

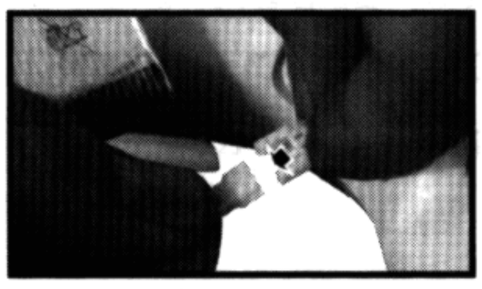


1. After aircraft crashes in headless state, if there is deviation in head direction, it just needs to adjust the aircraft’s direction again, pull remote control’s accelerator and operating rod to bottom left simultaneously. When indicator light on the aircraft flickers for slow three seconds, it means that correction is done.

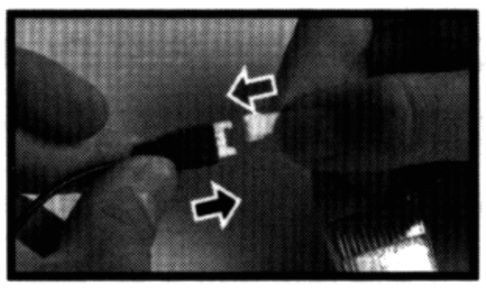
Change battery of quadcopter



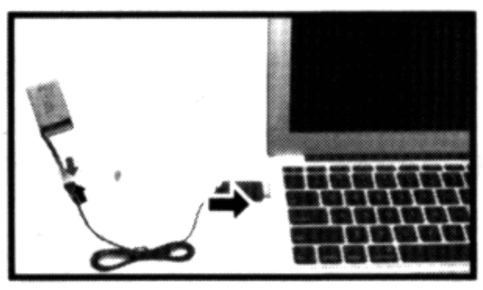
1.Push the on/off switch of quadcopter to OFF position then open the battery cover.

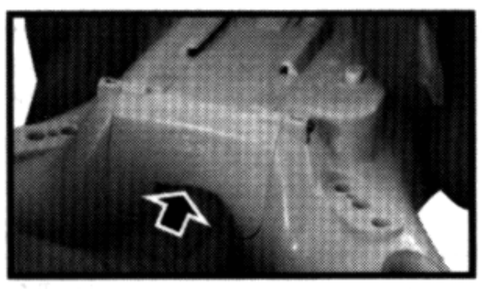


2.Pull out the battery wire from the power port.



3.Take out the USB charging cable, and insert the battery power port to the small end of connector (Make sure the ports connect tight and correct).





4.To charge battery, please insert the USB port of provided USB charging cable to USB port of computer.
The indicator on USB cable will light ON during charging battery, than it will light OFF when battery fully charged.
Caution:
When using the computer for charging,please remember to pull out the charging cable before shutting down the computer.Take the battery cover ,and close the battery cover on the quadcopter.

5.Reconnect the battery wire to power port than close the battery cover.

Charging time: about 130 minutes — Flying time: about 5.5 minutes!

Cautions when charging:

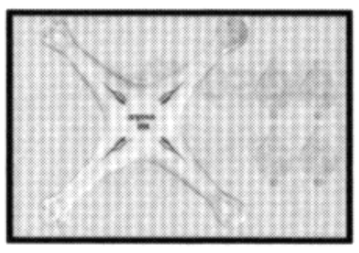
1.When charging, please put this product on a dried or ventilated area and keep it far away from heat source or explosive product.
2.When charging, please remove the batteries from the quadcopter. Then charging process should be supervised by an adult so as not to cause an accident.
3.After flying, please do not charge the battery if the surface temperature is still hot. Otherwise it may cause a swollen battery or even a fire hazard.
4.Please make sure that you use the original USB charging cable provided.When the battery has been used for a long time, or appears to be swollen, please replace them.
5.A battery when not in use for a long time will lose its charge automatically. Charging or discharging too often may reduce the life of the battery.

Troubleshooting procedure

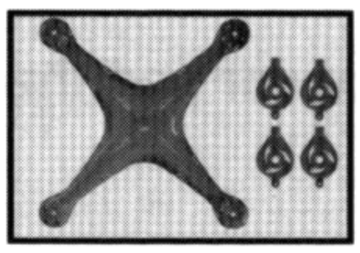
Problems	Causes	Solutions
Aircraft has no response	1. Aircraft enters into low-voltage protection. 2. Electric quantity of remote control is insufficient, power indicator light will flicker. 3. Channel selection of remote control is inconsistent with aircraft's match codes.	1. Charge the aircraft. 2. Change remote control's battery. 3. Adjust channels of remote control and aircraft, and make them become consistent.
Aircraft's flying response is insensitive	1. Insufficient remote control's electric quantity. 2. Remote control with the same frequency is transmitting interference.	1. Battery replacement. 2. Change the place where has no transmitting interference of the same frequency.
When hovering, side flight is formed	1. Have no horizontal correction.	1. Conduct horizontal correction, as shown in p.7(3)(correcting function)
In headless state, it deviates to dead ahead	1. Head deflection is caused by multiple collisions.	1. Define forward again, as shown in p.8-9(7)(headless function)

XQ6 Spare parts

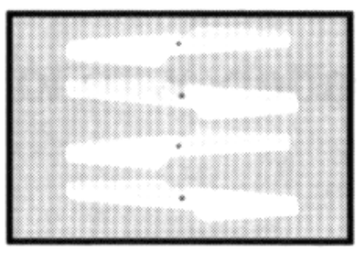
Here are alternative accessories. In order to provide convenience for customer purchasing, every component are marked. Accessories can be purchased from local deader. Please specify the color when purchasing.



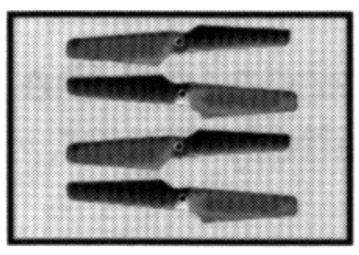
XQ6-01A
Fuselage-white



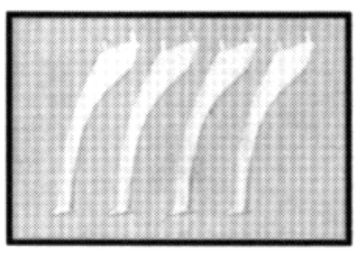
XQ6-01B
Fuselage-black



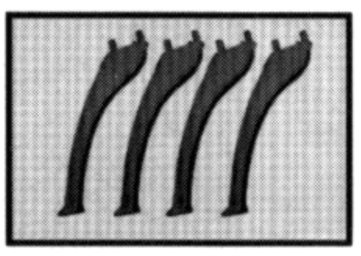
XQ6-02A
Blades-white



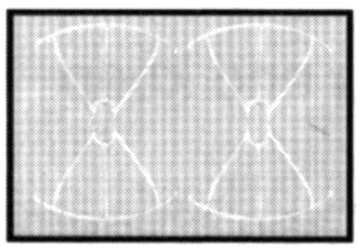
XQ6-02B
Blades-black



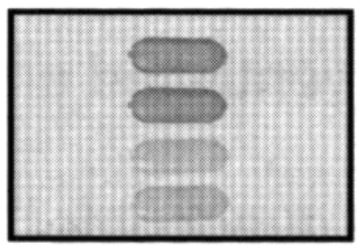
XQ6-03A
Landing skids
-White



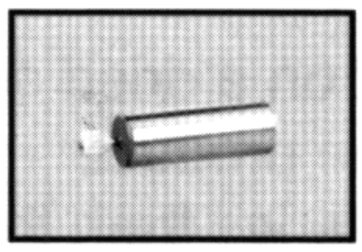
XQ6-03B
Landing skids
-black



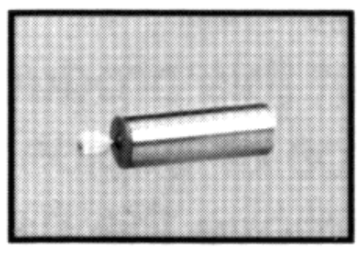
X5SC-04
Protecting
frames



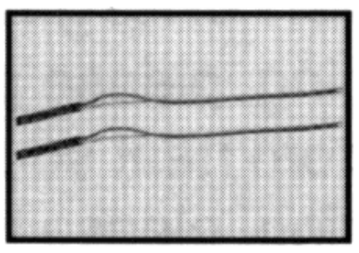
X5SC-05
Lampshades



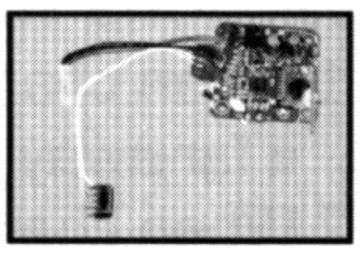
X5SC-06
Motor A



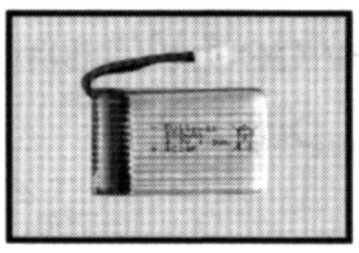
X5SC-07
Motor B



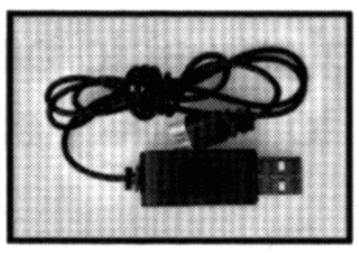
X5SC-08
Light boards



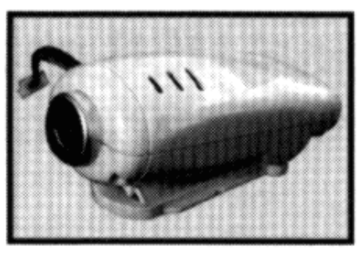
X5SC-09
Receiver
board



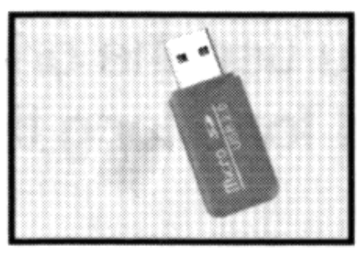
X5SC-10
Battery



X5SC-11
USB Reader



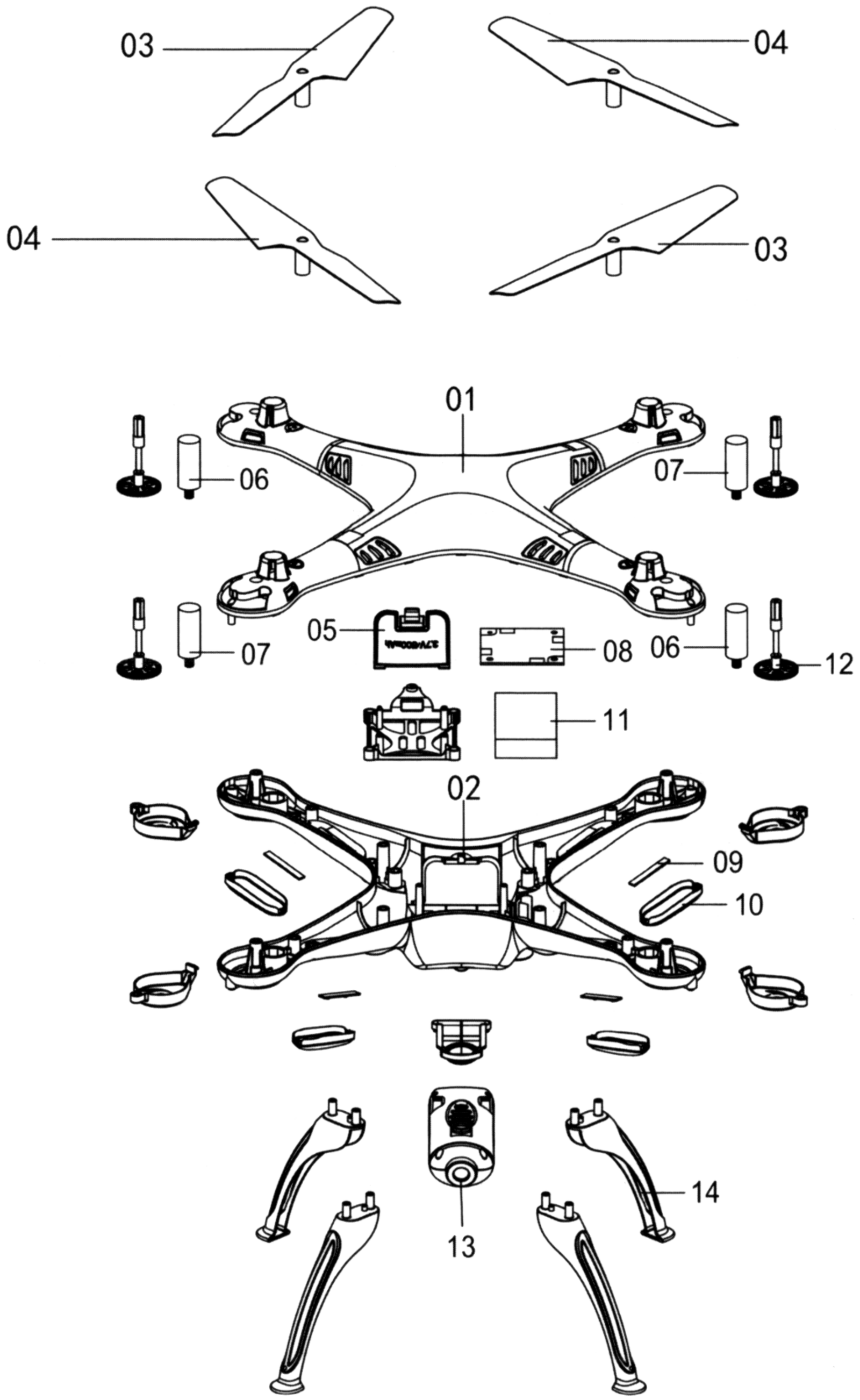
X5SC-12
Camera



X5SC-13
Readerc

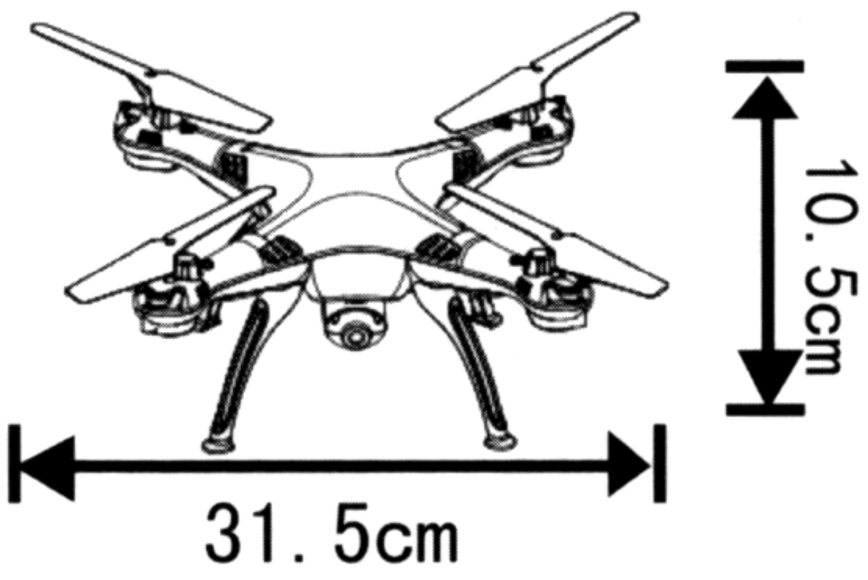
X5SC-14
Transmitter

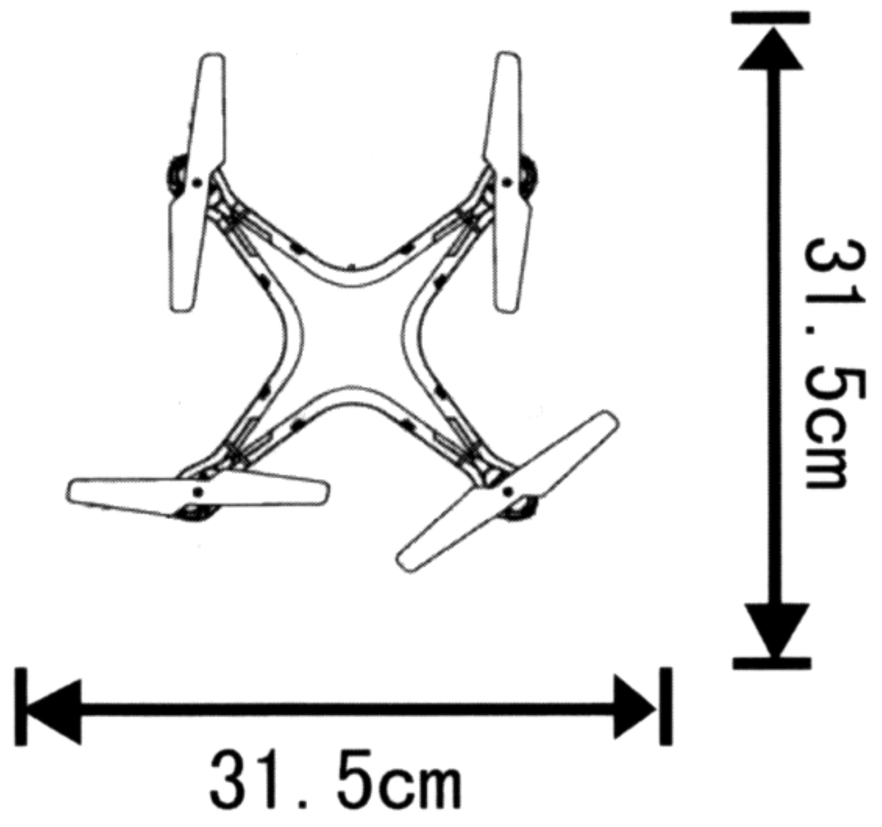
Breakdown & Diagram



Code	Description	Quantity	Code	Description	Quantity	Code	Description	Quantity
01	Upper body	1	08	Receiver board	1			
02	Lower body	1	09	Lampshades	4			
03	Rotating blade	2	10	Light boards	4			
04	Reversing blade	2	11	Battery	1			
05	Battery cover	4	12	Gear	4			
06	Rotating motor	2	13	Camera	1			
07	Receiver motor	2	14	Landing skids	4			

Specifications





Body length: 31.5cm
Body width: 31.5cm
Body high: 10. 5cm

Main motor code: ∅8
Battery: 3.7V 500 mAh Li-poly

SPECIFICATIONS AND COLORS OF CONTENTS MAY VARY FROM PHOTO.

The company has the right of final interpretation
of this instruction manual statement.