



1.6 User Manual




AGES UP
14+

6-Axis Gyro Remote Control Series 

X7

4 Channel RC Stunt Quad Copter

2.4GHZ



OPERATING MANUAL

MAIN CHARACTER

- Using specially-made plastic fuselage, good toughness, high shock resistance, stable flight, it suited to play on indoor or outdoor.
- Built-in 6-axis gyro stabilizer, to ensure precise localization in the air.
- Using modularity structure, easy to install and maintain.
- Disassembly structure, various functionality, It can rotate and aerial shots.

The material, specification, component packing inside of the manual are for your information. Our company is not be responsible for foreign body of the print. And we are not taking the initiative to inform consumers of any updates or changes.

Safety cautions

1 Important announcement

(1)The product is not a toy, but it's a sophisticated equipment integrates the expertise of mechanics, electronics, aeromechanics, high frequency transmitter, etc. It should be assemble and debug exactly to avoid the accidents. The owner of this product should operate it in safety way. If operate improperly, it may cause serious bodily injury and property damage. We do not assume responsibility, because we could not control the process of their assembling, using and operating.

(2)The product apply to the crowd have experience of operating model and above the age of 14.

(3)The place for flight should be legal of location to handle remote control model.

(4)Product once sold, we are not responsible for safety duty cause by operation, using, handling, etc.

(5)If you have questions of using, operating or maintaining, please contact to local authorized dealer, they will provide technical assistance and service.

2 Safety Caution

RC quad copter model is a high-risk of goods, you must be sure to keep away from crowd when in flight. Artificial assemble improper or body damaged, poor electronic equipment, and unfamiliar operation, it possible to cause unpredictable accident of quad copter damaged or personal injury, etc. Please pay attention to safety, and take responsibility of your negligence.

(1)Keep away from barrier and crowd

It has uncertain flight speed and state when the RC quad copter is flying. When in flight, please keep away from crowd, high building, high-tension wire. At the same time, avoid to flight in the storm and thunder. To make sure the safety of pilot, crowd and property.

(2)Keep away from humid conditions

The quad copter is consist of many precision electronic components and mechanical parts, so it must prevent moisture into the quad copter body. In case of an accident cause by malfunction of the body or electronic components.

(3)Safety operate

According your status and flight skill to control the quad copter. Fatigue, mental poor or improper operation, will increase the probability of an accident risk. When you tired and out of sorts or improper handling, it will increase the risk of accidents.

(4)Keep away from high-speed rotary parts

When the propeller at high speed rotating, the pilot, crowd or other object should keep away from the rotating part for fear of causing the risk and damage.

(5)Keep away from heat

The RC quad copter is be made up of metal, fiber, plastic and electronic components. Therefore, it should be keep away from heat and keep off the sun, avoid the heat set off deformation of the shape even damage.

3: Preflight notice

(1)Flying environment should be an open space. The recommendation of the space is more than 8M(width) x 8M(length) x 5M(high)

(2)Make sure the power state of batteries for transmitter and receiver is full.

(3)To ensure the throttle stick and throttle trim of the transmitter is on the lowest position.

(4) In starting up, you must comply with order of power on and off. When starting up, you should open the power of transmitter first, then open the power of the quadcopter. When power off, you should cut off the power of the quadcopter, then turn down the transmitter. Incorrect order of power on and off may cause the quadcopter out of control, and affect the safety of others. Please make a habit for correct turn on or shut off.

(5) To confirm the junctions of the battery and motor or other components are tight. The shock in flying will make the junction of power loose, then cause the quadcopter out of control.

Packing instruction

All items below are included in packing:

(1) Quadcopter (2) USB (3) Transmitter (4) Screwdriver (5) Main blade

A blade

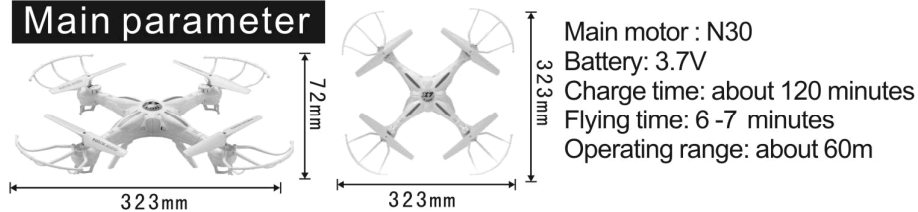
B blade



B blade

A blade

Main parameter



Procedure for install landing gear

Install the landing gear to the main part as Fig.1 show you.

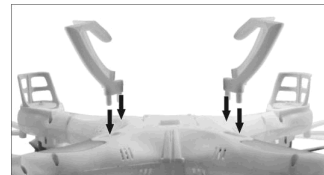
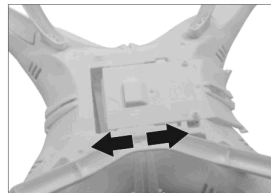
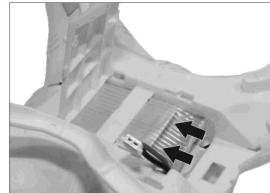


Fig.1

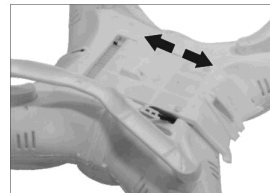
Method for changing and charging battery of quadcopter



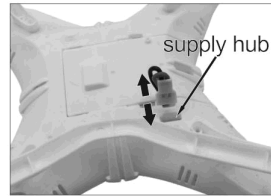
1. Withhold and push back the battery cover.



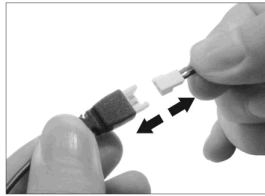
2. Look for direction of the battery and install into right place.



3. Buckle the battery cover to push forward.



4. Pull up the battery terminals



5. Connect the battery power line to USB socket.



6. Insert the USB charging port into the computer for charging. (The light is off when charging. After charge full, the light is on)

Functions of transmitter and install instruction

1. Functions of transmitter as Fig. 1
2. Installation of transmitter as Fig. 2, to install 4 AA batteries (additional purchase) in right way

Caution

1. Install the battery should recognize the positive and negative terminals of the battery and battery box. Can not install in reverse.
2. Don't mix use the new and old battery, or difference kinds of battery.

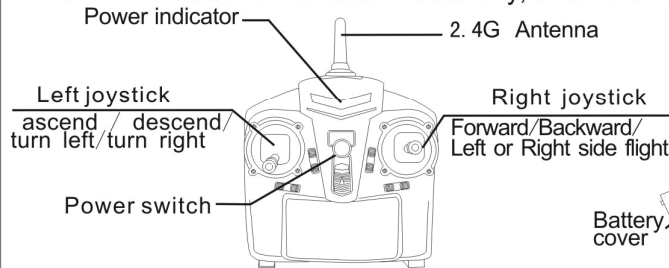


Fig. 1

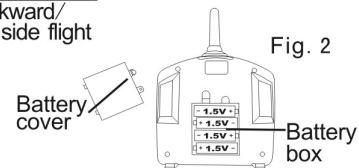
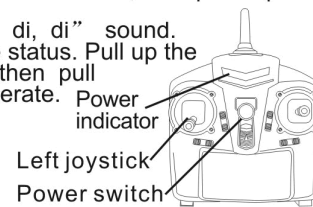


Fig. 2

Prepare for take off

1. Insert the battery plug into the battery jack of the quadcopter. Put the quadcopter on the flat ground, then the indicator light is flash fast. In this time, the quadcopter are in matching code status.
2. Turn on the transmitter, the indicator is flash with "di, di, di" sound. At this moment, the transmitter is in matching code status. Pull up the left joystick from the lowest position to highest position, then pull it back. And the indicator light keeps on, you can operate.
3. The quadcopter should match code every time after power on, and then you can operate.
4. Every time you turn on or off the transmitter, the quadcopter need to re-open, and they should match code again.



Tips for low tension

When the copter is flying to 5 minutes, and all the lights of the fuselage are glistening. It means the copter is in low tension. (In low tension, prohibit flipping)

Level calibration and trim reset

1. Quad copter level calibration

When the quad copter after take-off can not be corrected by fine-turning, lead to the quad copter hovering is operating difficultly, follow these steps to calibrate the quad copter:

- (1) Pull out the power of quad copter firstly, then tune off the switch of the transmitter.
- (2) Connect to the quad copter power supply, and put it on the horizontal plane, the lights of fuselage flashing.
- (3) To open the transmitter power switch, push up the throttle stick to the peak position, then push down to the lowest position (as Fig1 & Fig2). About 3 seconds later, you will hear a long sound "di", it means the quad copter succeed to match code, and the lights of the fuselage will always on. At this time the transmitter get into level adjustment.
- (4) You cannot push the throttle stick before match code. Push down the throttle stick to left bottom, at the same time, push down the rudder stick to right bottom (as Fig.3 show). At this point, the quad copter indicator light is flash, it is calibrating. Till the indicator light is always on, it completed. It will at normal flight.



Fig. 1

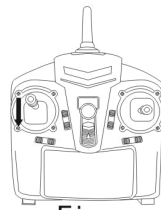


Fig. 2

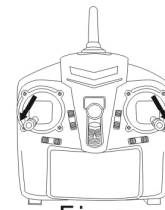
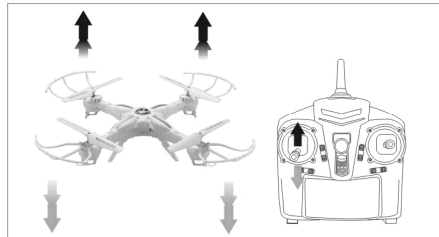


Fig. 3

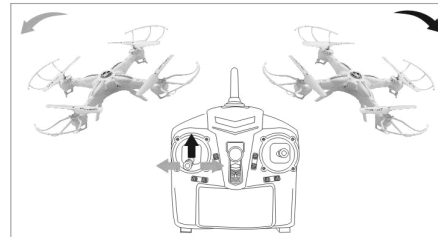
Operating direction

Up/Down control



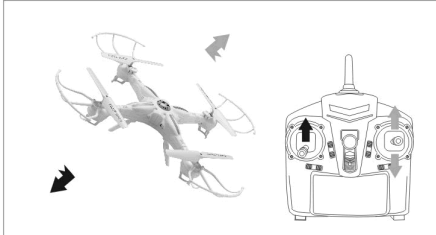
when the left joystick(throttle stick) is pushed up or down, the rotor will speed up or slow down, the quad copter will ascend or descend.

Ascent/Descend control



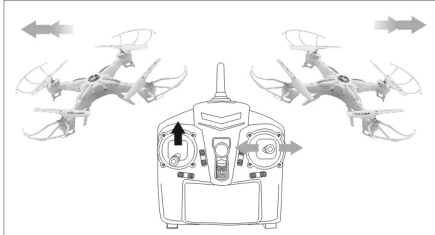
when the left joystick(throttle stick) is pushed up, at the same time push it to left or right, the quad copter will be turn left or right.

Forward/Backward control



when the left stick(throttle stick) is pushed up, at the same time push the right joystick up or down, the quad copter will forward or backward.

Left or Right side flight control



when the left stick(throttle stick) is pushed up, at the same time push the right joystick to left or right, the quad copter will slight to left or right.

Tossing action instructions

Aircraft using six-axis gyroscope, play ability stronger. The aircraft throw out or turned upward while pushing the operating lever, the aircraft can be smooth blanket the sky.
(Tossing function works only for the quad copter after start, and stop operating)



Troubleshooting guide

Problem	Cause	Solution
The indicator of transmitter doesn't works	Install the batteries but doesn't follow the right polarity.	Check and make sure that the batteries are installed by the right polarity.
	Batteries are drained.	Install new batteries.
No control	Transmitter's antenna is not screwed in place and/or is not fully extended.	Ensure that the antenna is screwed into the controller and fully extended.
	You play the helicopter in strong wind weather.	Do not fly in strong winds. For it will limit or disturb your flying control.
Copter is not flying high enough	Rotor speed is too slow.	Pushing up the left stick(throttle stick).
	Copter is not fully charged.	Fully charge your Copter.

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.

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

Product fitting



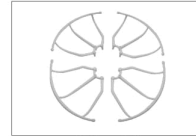
X7-01
Main cover parts



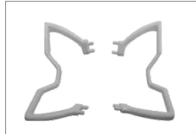
X7-02
Bottom cover parts



X7-03
Motor seat cover



X7-04
Blade cover



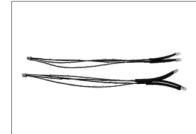
X7-05
Landing gear



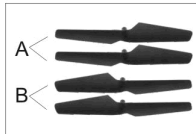
X7-06
3.7V battery



X7-07
USB charger



X7-08
light component



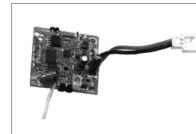
X7-09
A blade B blade



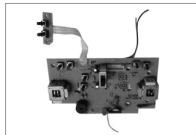
X7-10
Positive motor parts



X7-11
Negative motor parts



X7-12
Receiver board



X7-13
Motor seat cover



X7-14
Transmitter