SYMA
RADIO-CONTROLLED PRODUCT
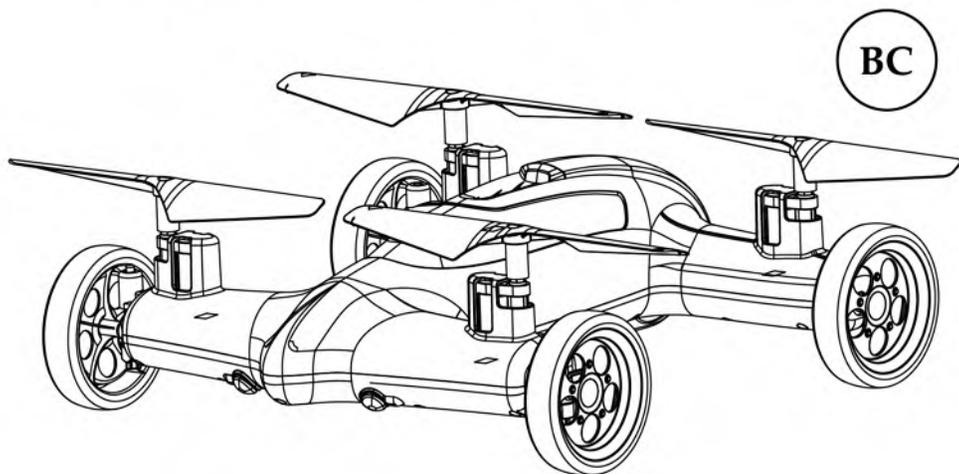
X9 EXPLORERS GYROSCOPE 2.4G
4CH 2.4G REMOTE CONTROL QUADCOPTER

BC

1 INSTRUCTION MANUAL
IMPLEMENT STANDARD: GB/T26701-2011

Main characteristics

- Four-axis structure is applied,which makes the quadcopter more flexible and rapid when flying.It has the characteristics of wind-resistant and can be flied indoor or outdoor.
- Vehicle and aircraft is integrated as one, which not only can fly but also move on the land.
- Built-in 6 axis gyroscope for precise hovering in the sky.
- Modular design structure is applied, more simple for assembly and convenient for maintenance.
- With 360°3D eversion function and throwing flight function .

Instructions for use

1) Age classification: not suitable for children under 8 years of age
2) Before first use: read the user's information together with your child.
3) Flying the quadcopter requires skill and children must be trained under the direct supervision of an adult.
4) For toys intended to be assembled by the child: Check if the toy is assembled as instructed. The assembly shall be performed under the supervision of an adult.
5) Hands, hair and loose clothes shall be kept away from the propeller (rotor).
6) Do not change or modify anything on the quadcopter!
7) Caution! The quadcopter should not be started when persons, animals or any objects are within the flying range of the quadcopter.
8) Do not throw or hold any objects in the rotating rotor

Safety regulations

1. Please put smaller parts of the aircraft in the place where children can't reach, avoiding from accidents.
2. Power of this aircraft is adequate. Therefore, when flying for the first time, it should push remote control's right/left variable-speed joystick slowly, avoiding from collisions caused by rising aircraft rapidly.
3. After flying, it should turn off remote control's power supply and come close to the aircraft to turn off its power supply.
4. Please don't put battery in high-temperature and heated places(such as fire or nearby electric heating devices).
5. When the aircraft flies, it should maintain 2-3 meters from the user or others, avoiding from crashing into others' head, face or body when it lands.
6. When children operate the aircraft, they should be accompanied with the adult and guided by the adult. Ensure that the aircraft is controlled within the range of operator's (or instructor's) visibility. It is convenient for controlling.
7. Non-rechargeable battery can't charge. As installing or changing battery, pleasepay attention to the polarity. Don't use a mixture of old and new battery or battery with different types.
8. When it isn't used, it should turn off remote power supply of remote control and aircraft, respectively, and take out the battery in remote control.
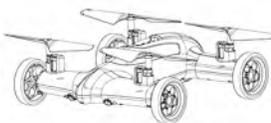9. Power supply terminal can't be short circuit.

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 toy in the 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.
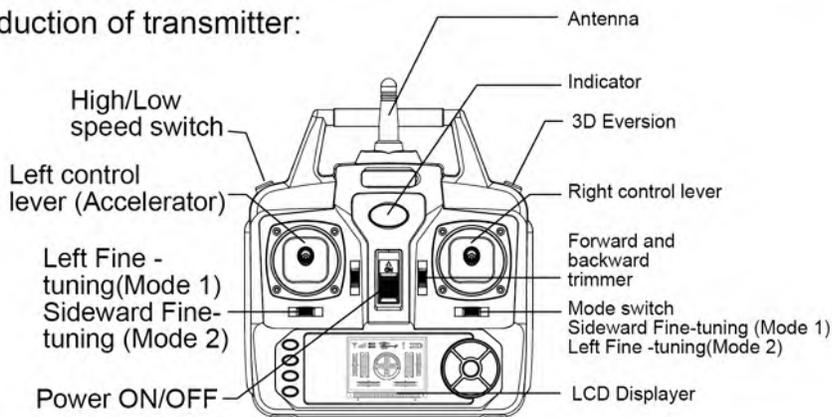
Contents

Product included following contents:

- Quadcopter
- 2.4G Remote controller
- USB charging wire
- Instruction manual
- Battery
- Blade(4 pieces)

Get to know your transmitter

Introduction of transmitter:

Antenna

Indicator

3D Eversion

High/Low speed switch

Left control lever (Accelerator)

Right control lever

Left Fine - tuning(Mode 1)
Sideward Fine- tuning (Mode 2)

Forward and backward trimmer

Mode switch
Sideward Fine-tuning (Mode 1)
Left Fine -tuning(Mode 2)

Power ON/OFF

LCD Displayer

Remote control Installing the battery

Installation methods of battery:
Open back battery cover of remote control, and put 4 No.5 alkaline batteries in the middle place correctly, according to battery box's pole indication (battery should be available separately).

Battery Cover

4 X AA (LR06) 1.5V Batteries
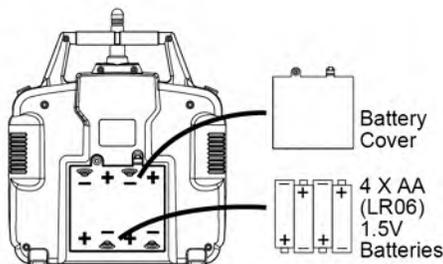
⚠ 1.Install batteries with correct polarity.
2.Do not mix old and new batteries.
3.Do not mix different types of batteries.

## Remote control keypad and lcd manual
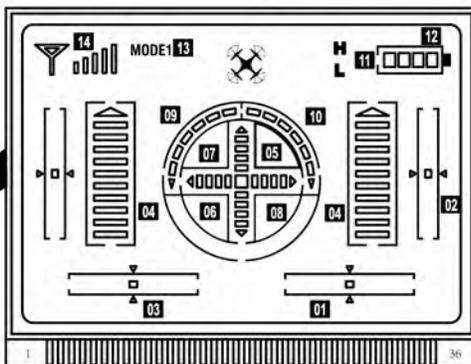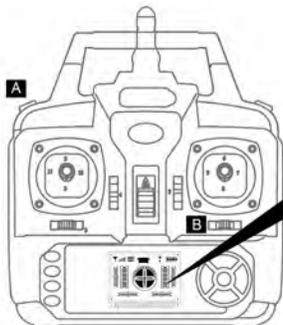
01.Sideward Fine-tuning :Power-on start in the centering.(Be turn Left/Right Fine-tuning in Mode2)
02.Forward/Backward fine-tuning:Power-on start in the middle.
03.Turn Left/Right fine-tuning:Power-on start in centering.(Be Sidewoard Fly Fine-tuning in Mode2)
04.Throttle show:Power-on start in lowest level.(Left and Right throttle shows at one time)
05.Forward shows:Power-on start in the lowest level.(At the center spuare)
06.Backward shows:Power-on start in the lowest level.(At the center spuare)
07.Right sideward fly shows:Power-on start in the lowest level.(At the center spuare)
08.Left sideward fly shows:Power-on start in the lowest level.(At the center spuare)
09.Turn left: Pull left function lever to left, it will be higher, than quadcopter turn left faster.
10.Turn right: Pull left function lever to right, it will be higher, than quadcopter turn right faster.
11.High/Low speed: Press button "A" for seconds to switch between high speed mode or low speed mode. "H" means high speed and "L" means low speed.
12.Power shows:According to the battery's energy for the controller.
13.Default mode when power-on.When change to MODE 2, please keep pressing button "B" to right than return on the power of transmitter, the MODE on LCD displayer will be changed. Same steps to change to MODE 1 again.
14.Signal shows:Normally to full frame.

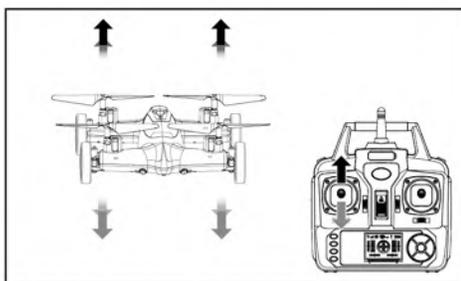# Controller modes & instructions

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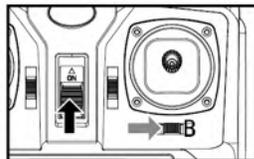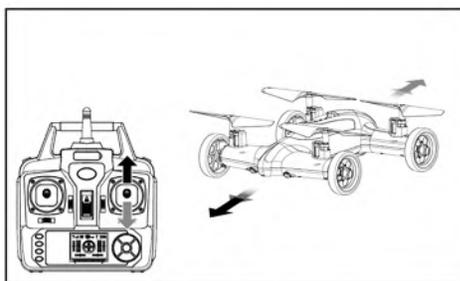
MODE 1
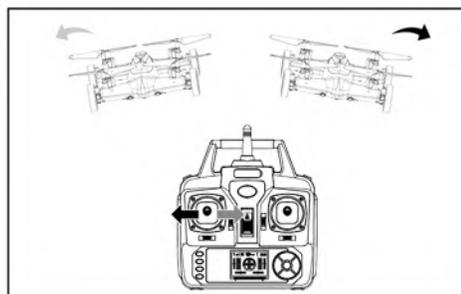
Operating direction

Hover up and down

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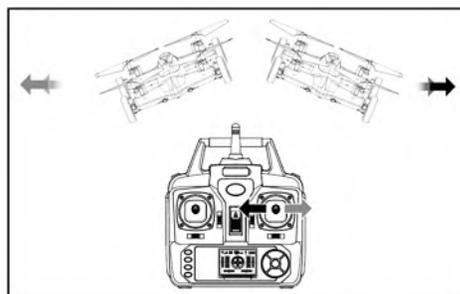
Forward and backward

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 fly

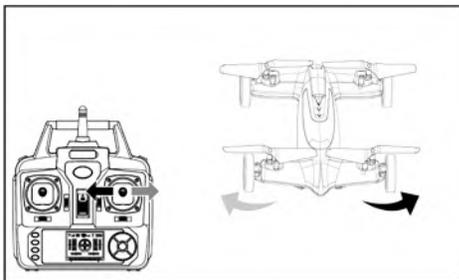Pull the direction lever left or right, the quadcopter flies to left side or right side.

Land operation

Forward and backward
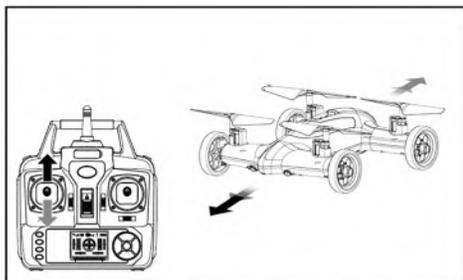
When the aircraft is on the land, operate the left joystick up or down, the aircraft moves forward or backwards accordingly.
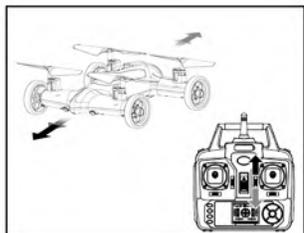
Turn Left and Right

When the aircraft is on the land, operate the right joystick to left or right, the aircraft turns left or right accordingly.
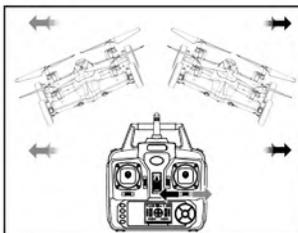
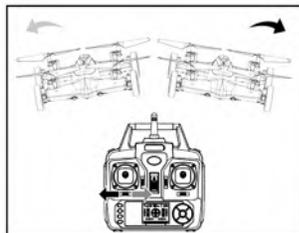## Fine-tuning operation

Forward/Backward fine-tuning

When the quadcopter keepsflying forward / backward, youcan correct it by pressing fine-tuning button down / up.

Sideward fly fine-tuning

When the quadcopter keepsflying to left / right side, youcan correct it by pressing theFine-tuning button right / left.
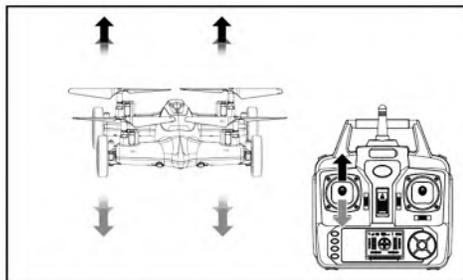
Turn left/right fine-tuning

When the quadcopter keepsrotating to left /right, you canCorrect it by pressing the fine-tuning button right / left.
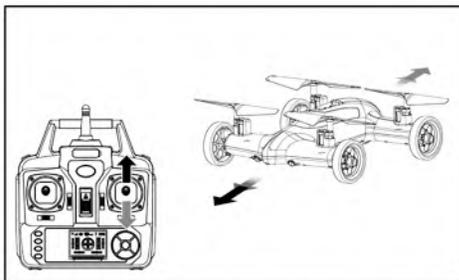
MODE 2
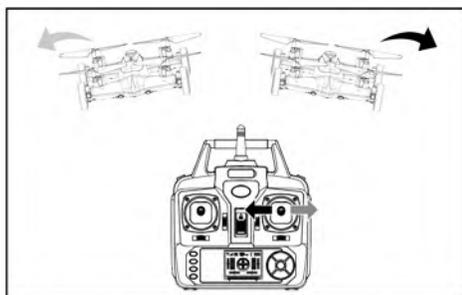
Operating direction

Hover up and down

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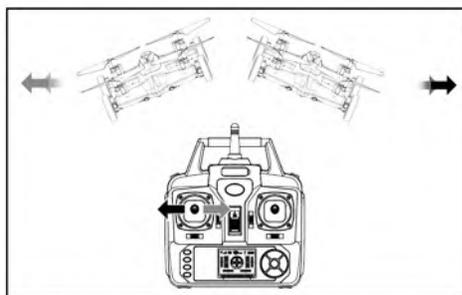
Forward and backward

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

Turn Left and Right

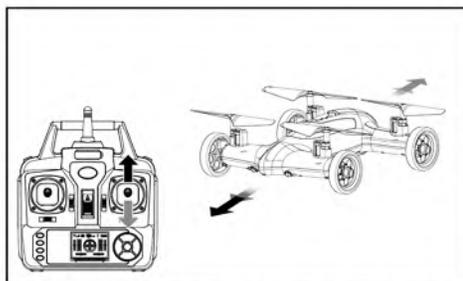Pull the direction lever left or right, the quadcopter turns to left or right.

Sideward fly

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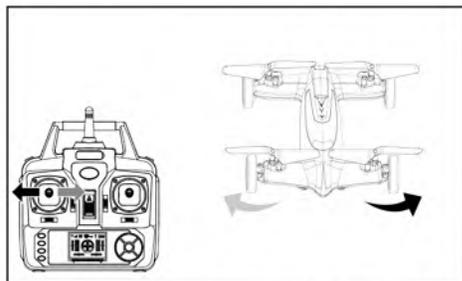
Land operation

Forward and backward

When the aircraft is on the land, operate the right joystick up or down, the aircraft moves forward or backwards accordingly.
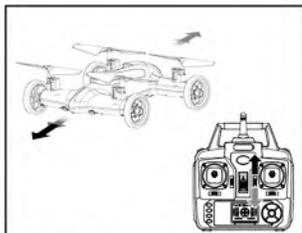
Turn Left and Right

When the aircraft is on the land, operate the left joystick to left or right, the aircraft turns left or right accordingly.
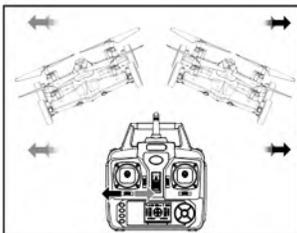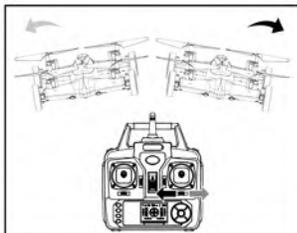
Fine-tuning operation

| Forward/Backward fine-tuning	Sideward fly fine-tuning	Turn left/right fine-tuning
When the quadcopter keepsflying forward / backward, youcan correct it by pressing fine-tuning button down / up.	When the quadcopter keepsflying to left / right side, youcan correct it by pressing theFine-tuning button right / left.	When the quadcopter keepsrotating to left /right, you canCorrect it by pressing the fine-tuning button right / left.

Ready to fly your quadcopter

Step 1: Press the ON/OFF power switch up.

Step2: Open the battery cover and insert the battery into power port.
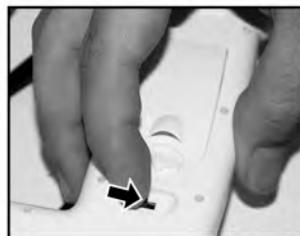
Step 3: Close the battery cover and turn on the quadcopter.

Step 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.
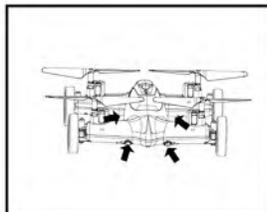
2.Low-voltage protection:

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.
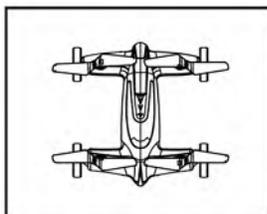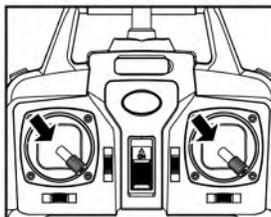
3.Horizontal correcting function:

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.

4.3D 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.

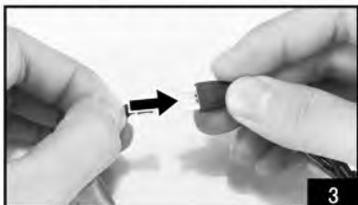Tips:3D eversion goes better when battery power is enough.
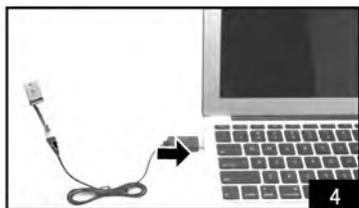
3M
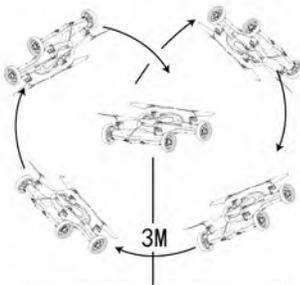
Change battery of quadcopter

1. Push the on/off switch of quadcopter to OFF position than 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 it (Make sure the ports connect tight and correct).

4. To charge battery, please insert the USB port of provided USB charging cable to anyone 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 100 minutes — Flying time: about 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 not cool. 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.
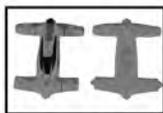
Maintenance procedure

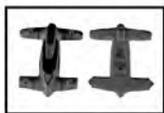| Problems	Causes	Solutions
Aircraft has no response	1. Aircraft enters into low-voltage protection. 2. Electric quantity of remote control is insufficient, power indicator light will flicker. 3. Channel selection of remote control is inconsistent with aircraft's match codes.	1. Charge the aircraft. 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.8(3)(correcting function)

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.
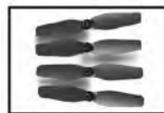
X9−01A Fuselage-white	X9−01B Fuselage-red	X9−01C Fuselage-black	X9−02 Lampshades	X9−03 Blades
X9−04 Front wheels	X9−05 Battery cover	X9−06 Motor case	X9−07 Steering putter	X9−08 Rear wheels
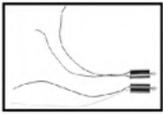
X9-09	X9-10	X9-11	X9-12	X9-13
Motor AB	Rear drive case	Steering case casting die	Light boards	Steering case

X9-14	X9-15	X9-16	X9-17	X9-18
Receiver board	ON/OFF	Battery	USB	Transmitter

Brerkdown&Dlagram
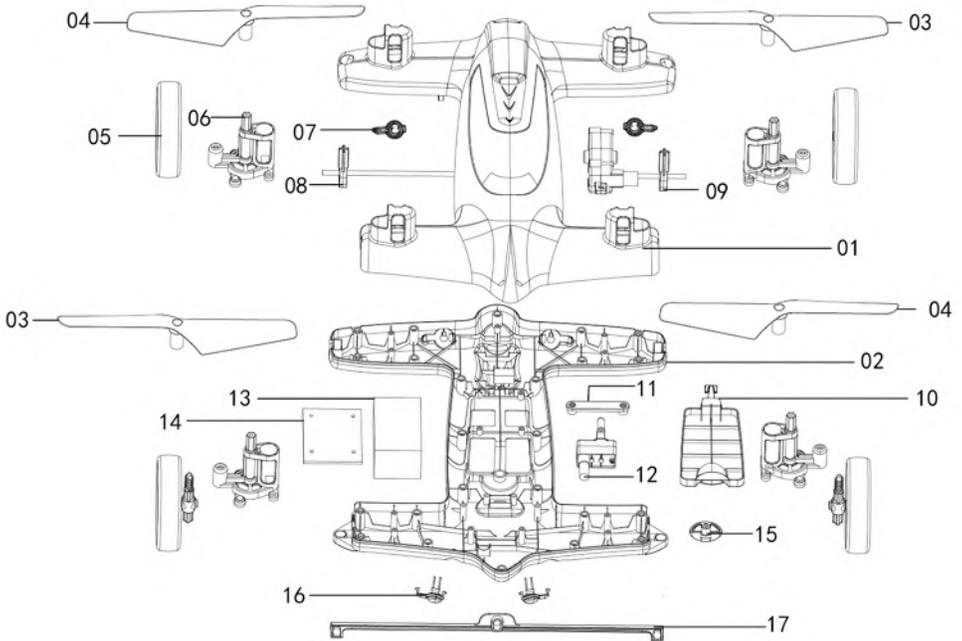
Code	Description	Quantity	Code	Description	Quantity	Code	Description	Quantity
01	Upper body	1	08	Carbon rod casting die	1	15	Battery cover knob	1
02	Lower body	1	09	Rear drive case	1	16	Fiber lampshade	2
03	Reversing blade	2	10	Battery cover	1	17	Steering putter	1
04	Rotating blade	2	11	Steering case casting die	1			
05	Wheels	4	12	Steering case	1			
06	Motor case	4	13	Battery	1			
07	Back lampshade	2	14	Receiver board	1			

MaIn parameter

6. 5cm

18cm

18cm

21. 5cm
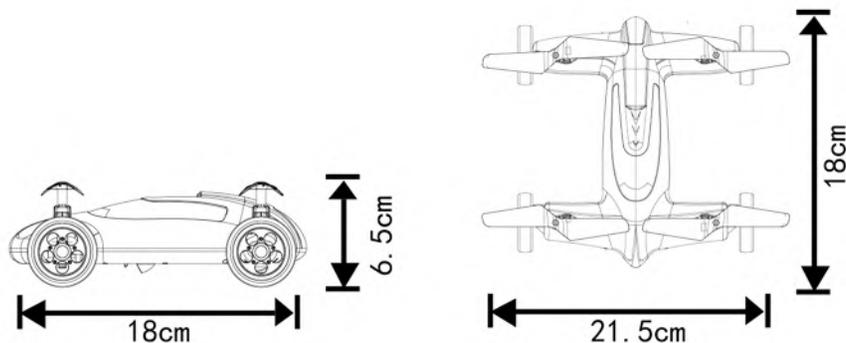
Length of fuselage:180mm
Width of fuselage215mm
Height of fuselage:65mm

Code of main engine: ∮8X4
Battery:3.7V 600mAh

FC CE ♻ PLEASE RECYCLE ⊘N312 🗑 🗑 RoHS VERIFIED

SPECIFICATIONS AND COLORS OF CONTENTS MAY VARY FROM PHOTO.

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