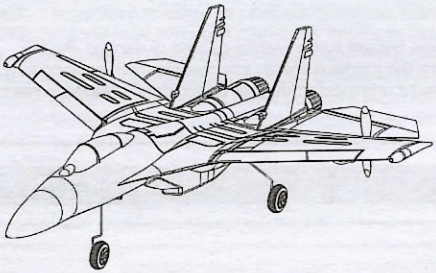
3 CHANNEL MODEL AIRPLANE INSTRUCTIONS



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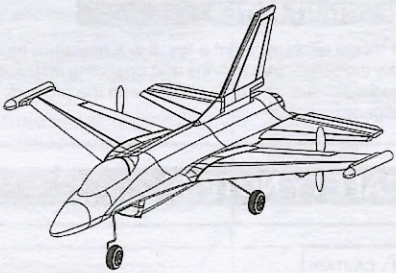

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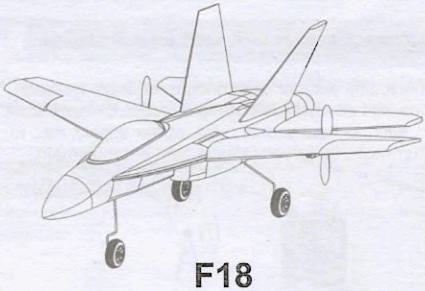

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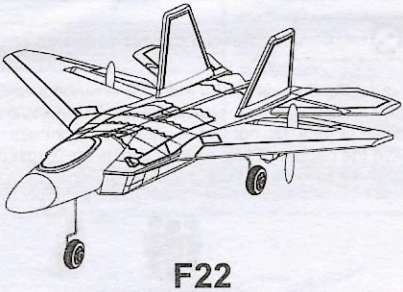

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Before entering the remote control world, we must tell you a lot of relevant knowledge and precautions to confirm that you can be more comfortable in the learning process. Before starting operation, please be sure to read this manual carefully. The difference in product appearance does not affect the use of this manual. I believe it will be able to bring you considerable help, please keep this manual properly for future reference.

1.INTRODUCTION:

WARNING LABEL LEGEND

⚠ WARNING	Mishandling due to failure to follow these instructions may result in damage or injury.
⚠ CAUTION	Mishandling due to failure to follow these instructions may result in danger.
⊘ FORBIDDEN	Do not attempt under any circumstances.

IMPORTANT NOTES

The model airplane is not a toy. It is a miniature model airplane but still has a certain degree of danger. Please follow the safety precautions and operating instructions to use the model correctly,any modification, disassembly or improper use, and unfamiliarity with the product. It may cause unexpected danger or accident, please do not be negligent.

2.SAFETY NOTES:

⚠ CAUTION

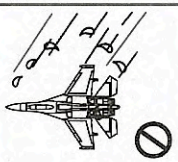
Fly only in safe areas, away from other people.Do not operate R/C aircraft within the vicinity of crowds or people. R/C aircraft are prone to accidents,failures, and responsible for their actions and damage or injury occurred during pilot error, and radio interference.pilots are responsible for their actions and damage or injury occurred during the operation or as of a result of R/C aircraft models.

⊘ FORBIDDEN **Special despecial design for indoor & outdoor,please keep it away from obstacles**

This product is suitable for indoor and outdoor environments (including outdoor wind not greater than 4). When flying model airplanes, please select indoor and outdoor venues with no obstacles. Keep a proper distance from people or pets. Do not use in unsafe environments. Operation, such as heat source, wire, power supply, etc., to avoid the danger of fire, electric shock, etc. caused by helicopter collision, forced landing, and entanglement, causing loss of life and property.

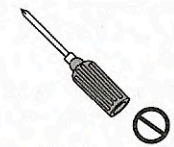
⊘ FORBIDDEN **Prevent moisture**

R/C models are composed of many precision electrical components.It is critical to keep the model and associated equipment away from moisture and other contaminants.The introduction or exposure to water or moisture in any form can cause the model to malfunction resulting in malfunction,or a crash.Do not operate or expose To rain or moisture.



⊘ FORBIDDEN **Do not use the product improperly**

Do not disassembly or refit this product optionally or any upgraded refit or repair. Please use the spare parts as showed to make sure safety. Please use this product within the limitation,and do not use it overload,beyond safty or any decree.



FORBIDDEN

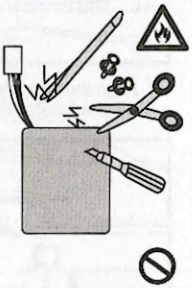
Safety note for alkaline batteries

Make sure the batteries are installed based on polarity indicated in the case and do not mix batteries of different chemistry/spec.Please take out the batteries if you are not going to use for a long time to avoid potential leakage which may damage the transmitter.Please dispose depleted batteries according to local laws and ordinances.Do not dispose improperly.

FORBIDDEN

Safety note on li-polymer batteries

Li-Polymer batteries poses higher operational risks compared to other battery chemistry, thus it is imperative to follow its usage instructions. Manufacturer and dealer assume no liability for accidental damages caused by improper usage.Do not use charger other than the factory supplied unit to avoid potential fire and explosion.Do not crush,disassemble, burn, and reverse polarity.Avoid metallic materials to come into contact with battery's polarity and cause it short and never puncture batteries to avoid fire hazards.Battery charging must be done under supervision at all times,and at location out of reach by children.Please stop the use or charge of the battery should there be an unusual increase in battery temperature after use.Continue use of this battery may cause it to expand,deform,explode, or even result in fire hazards. Please dispose depleted batteries according to local laws and ordinances. Do not dispose improperly.



CAUTION

Keep away from heat

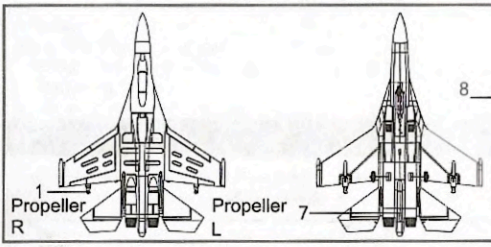
RC models are made of EPP foams or electronic materials , make sure not to store the model near any source of heat such as an oven,or heater. It is best to store the model indoors,in a climate-controlled, room temperature environment.

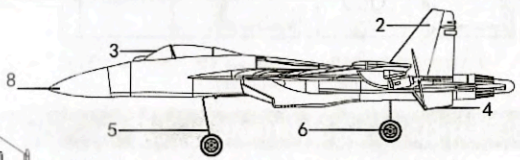
WARNING

Obtain the assistance of an experienced pilot

The products are suitable for more than14 years old age,at the beginning it will have some certain difficulty in learing,suggestion guidance by exprienced when playing.

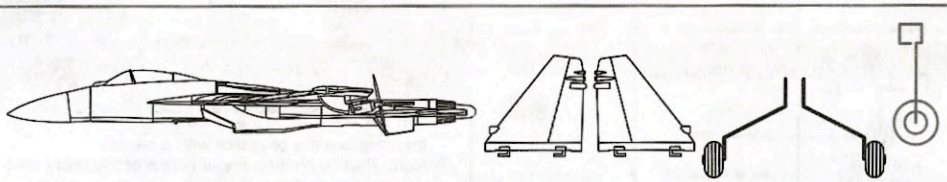
3.Names of aircraft parts:

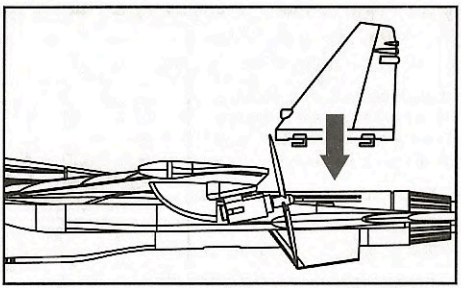




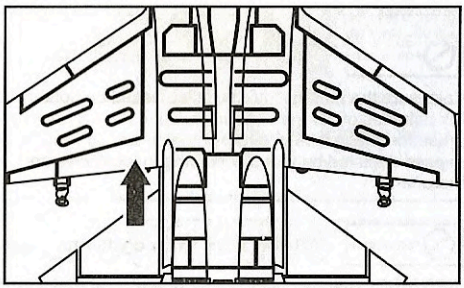
1. Propeller R/L 2. Vertical wing 3. Fuselage
4. Pendant wing 5. Front landing gear 6. Rear landing gear
7. Elevator 8. Rubber hood

4.Aircraft assembly steps:

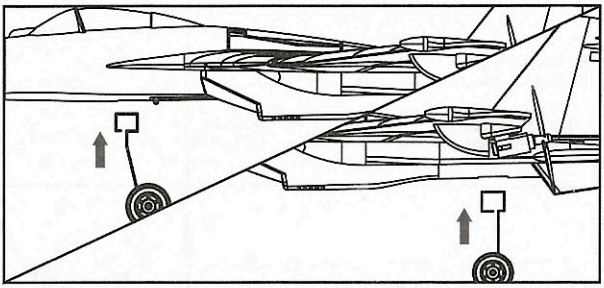




1. Align the rear wing vertically with the slot and fit into the fuselage

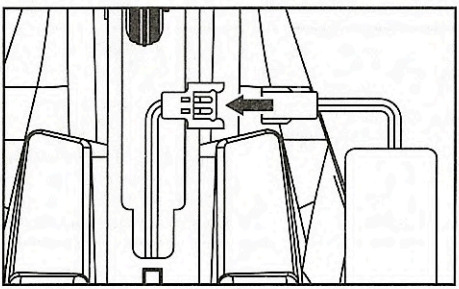


2. Push the tail forward again



3. Install the front and rear landing gear into the bottom groove of the fuselage;

⚠ Note: Please adjust the landing gear according to the diagram,with the correct direction,otherwise the aircraft will be Unable to take off.



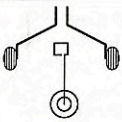
4. Connect the battery to the socket of the circuit board according to the diagram

5.Standard equipment:

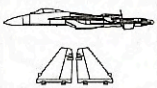
Lithium polymer battery X1
3.7V 300mAh

USB charging cable X1

Propeller R1 L2



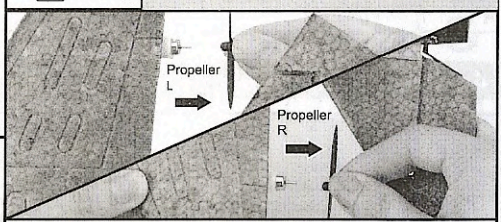
Front and rear landing gear X1



Aircraft fuselage X1

Screwdriver X1

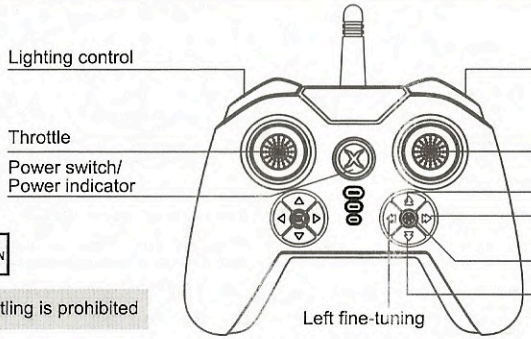
⚠ CAUTION **Replace the propeller**



Exit the propeller in the direction of the arrow, and then replace the propeller with a new one.

⚠ Note: Please confirm the direction of the propellers, and the letters forward and towards the aircraft head.

6.Remote control:

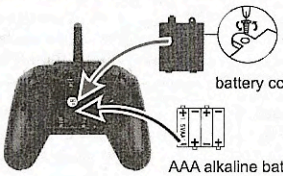


FORBIDDEN

Any dismantling is prohibited

⚠ After the remote control is connected, the indicator light continues to flash slowly and emits a sound, indicating that the remote control batteries run out of power, please replace the new batteries as soon as possible

7.Transmitter battery installation:



CAUTION: 1.make sure the battery and its polarity in the battery compartment should be correct,please don't load the batteries upside down.2.please don't mix the old batteries with the new ones.3. please don't mix using batteries of different types.

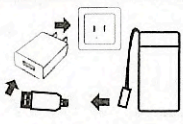
FORBIDDEN

Any dismantling is prohibited

Open the battery cover on the back of the remote control and follow the Instructions, put into 4 AAA alkaline batteries correctly(batteries need to be purchased separately)

8.Lithium battery charging instructions:

3.7V battery configuration charging instructions:
Plug the USB charger into the power source, the LED light of the USB charger is always on,when the battery is connected the LED
light is off, if fully charged the LED light is on. The charging time is about 90 minutes.
Note: The battery and the USB socket cannot be inserted reversely.



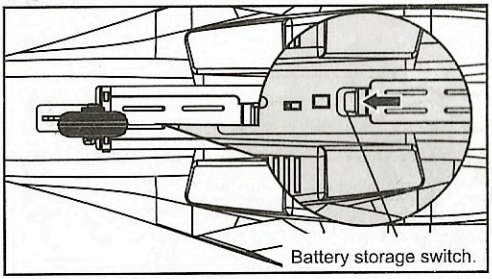
⚠ WARNING
If you do not want to play this aircraft,Please disconnect the battery wire from the circuit board.

1. Make sure that the voltage and plug of the charger meet your local standards.
2. When charging, if the charging plug is overheated, it means overcharging, which will damage the battery.Cause permanent damage to the battery. Please stop charging immediately.
3. When charging, personnel must not leave.
4. This charging method adopts advanced USB charging method, for safe charging, do not change it casually Use other chargers to charge the lithium battery to avoid the danger of explosion.
5. When the aircraft has just completed the flight, the battery temperature is high, it is best to wait for about 30 minutes Charge the lithium battery after the battery cools, otherwise the battery will be damaged.
6. Do not throw the battery into the fire to avoid the danger of explosion.
7. Do not short-circuit the positive and negative poles of the battery, and do not put the battery together with small metal parts to avoid the danger of explosion.

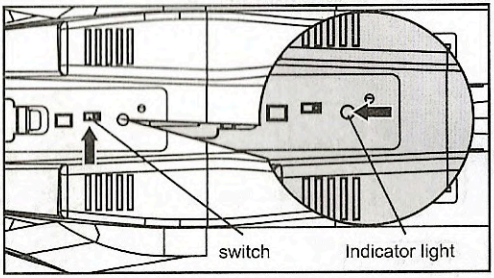
9.Battery and charger specification:

Battery type	Battery specification	Flight time	Time required to charge
lithium polymer battery	3. 7V 300mAh	Model airplane flight time: about 10 minutes	About 90 minutes (charging current about 0.5A)

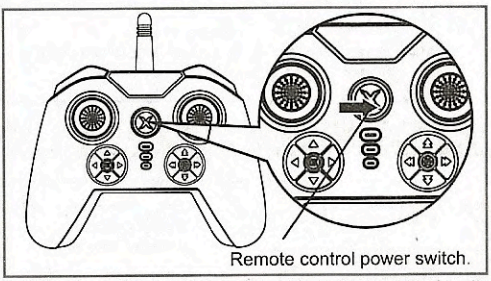
10.The frequency of the remote control and the aircraft:



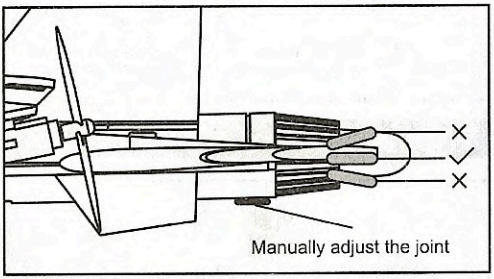
1. Plug in the aircraft battery



2. The aircraft indicator flashes



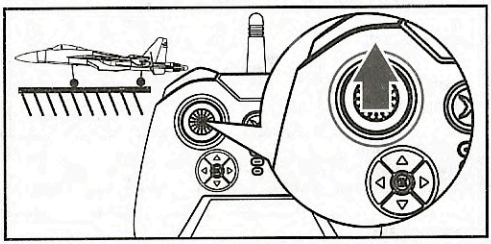
3. Then turn on the remote control, the remote control emits a "didi" sound. After a few seconds, the remote control has finished the frequency matching sound, the aircraft indicator light is always on, and the frequency matching is completed.



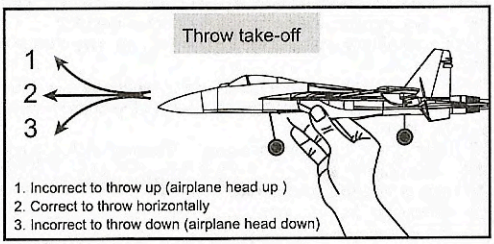
4. After the frequency matching is completed, each rudder surface should be returned to the center,if not, you can manually rotate the joint to make it center.

11.Flight and landing:

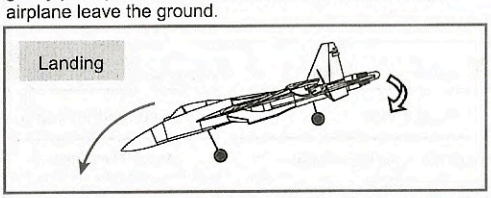
CAUTION The motor cannot be operated in a locked-rotor condition to avoid burning the motor.



1. Connect the frequency according to the above steps, and reconfirm whether each surface is centered. Put the airplane on a flat surface and face the wind, push the throttle to make the airplane to reach a certain speed,and then gently pull up the elevator stick (not too much) to let the airplane leave the ground.

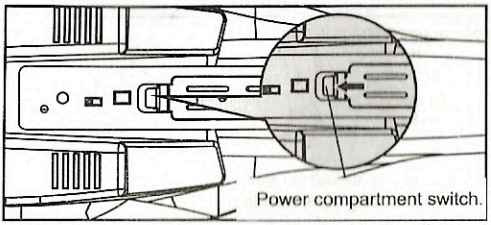


2. Connect the frequency according to the above steps, and reconfirm whether each rudder surface is centered. Push the throttle to about 60%, throw it towards the front and gently pull down the elevator stick (do not pull too much)



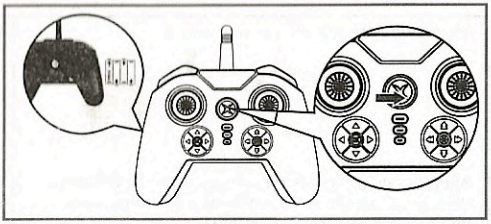
3. When the aircraft power is insufficient during flight, please land immediately. First, fly the aircraft to the leeward zone and adjust the head face to the wind to land, pull down the throttle to reduce the flying speed,and the aircraft will slowly slide down until the aircraft touches the ground, then pull down the throttle to the lowest point,and pull down the elevator stick appropriately during landing.

If the direction is deflected during landing,it can use the direction stick to correct it



If flight is ended, please remove the model aircraft battery safely. Please develop good habits so as not to cause regret.

⚠ If the battery is not removed, the battery will be over-discharged and damaged, and even cause Risk of fire and burning.



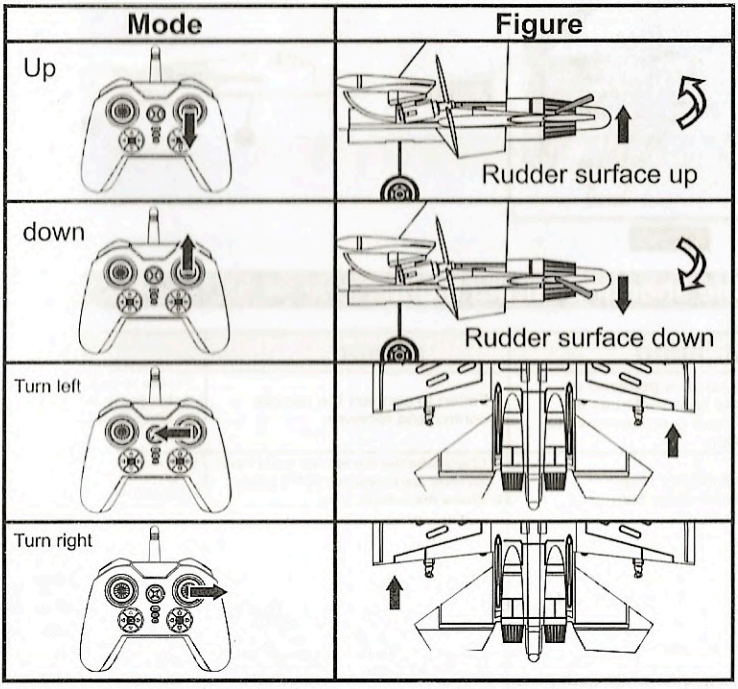
If the battery is not removed, it will cause battery leakage, damage the remote control, and even cause fire.

⚠ If remote control is not use for a long time, remove the remote control battery and keep it in a safe place.

12.Flight adjustment and setting:

Please be proficient in flight simulation before flying

Before you understand the control methods of the various actions of the model aircraft, it is strictly forbidden to fly on the actual aircraft. Please read the manual first, and be familiar with the control of various directions and repeat them until the fingers can control each action and direction proficiently. 1. Place the model airplane in an open place and aim the tail of the model airplane at yourself. 2. Practice operating the joysticks of the remote control (the operation method of each action is as shown in the figure below), and repeatedly practice the throttle high/low, aileron left/right, elevator up / down and rudder left/right operation methods.3. The practice of simulated flight is very important. Please repeat the practice until you don't need to think about it, and your fingers can move and control naturally following the commands you shout.

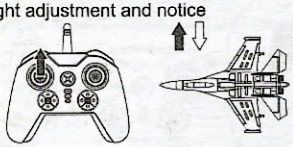


Beginner flight adjustment and attention

Please fly indoors and outdoors in an open space without people and obstacles.

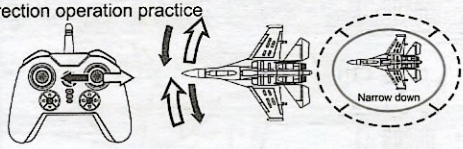
·Reconfirm whether the screws are locked?
·Whether the remote control and aircraft batteries are sufficient.

Beginner flight adjustment and notice



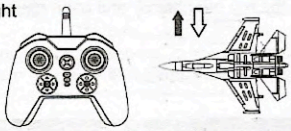
After the aircraft takes off, please control the throttle altitude to make the aircraft fly at a constant speed, and do not accelerate suddenly.

Direction operation practice



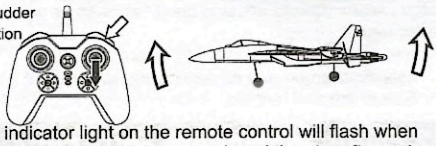
When the model aircraft is off the ground, use the direction joystick to control ground taxiing direction or change the flight route.

Beginner flight adjustment and notice



Beginners must practice the simulator well before flying or be guided by an experienced person before flying.

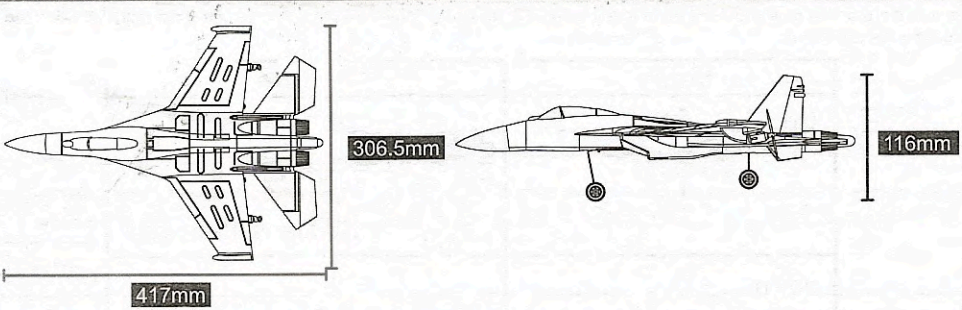
Big Rudder operation



The indicator light on the remote control will flash when the big rudder switch is pressed, and the aircraft can do somersaults. Press the big rudder switch first, and then pull down the elevator stick to turn somersaults.

WARNING When the aircraft power is weak while flying, it means that battery is almost out of power. It is recommended that the operator needs to land it as soon as possible. In order to avoid the aircraft can not fly back without power, or fly lost.

13.Product Size:



14.Trouble shooting during flight:

	situation	reason	Solution
1	After the aircraft is powered on, the indicator light continues to flash, but there is no response to the operation.	Failed to connect the remote control and receiver.	Please re-execute the connection action between the remote control and the receiver board
2	The aircraft did not respond after connecting the battery of the model aircraft.	1. Check whether the remote control and receiver are connected to the power 2. Check the voltage of the remote control and the receiver battery 3. Poor contact of battery pole pieces	1. Turn on the remote control and ensure the aircraft/receiver battery is inserted properly. 2. Use a fully charged battery 3. Reinsert the battery and confirm whether the contact between the battery and the battery pole piece is normal
3	When pushing the throttle stick, the motor does not rotate and the receiver indicator light starts to flash.	Aircraft battery is insufficient	Fully charge the battery
4	The motor does not rotate, but the server still moves.	1. When starting up, the throttle stick is not at the lowest point 2. The motor connector is loose or the motor is damaged	1. After pushing the throttle stick to the lowest point, restart the throttle 2. Insert the connector to the position
5	The main rotor of the model aircraft continues to rotate but cannot take off.	1. Deformation of the main rotor 2. The aircraft battery is low	1. Replace the rotor 2. Fully charge the battery
6	The aircraft vibrates abnormally.	1. The rotor is deformed 2. The motor shaft is bent	1. Replace the rotor 2. Replace the motor