

YU XIANG

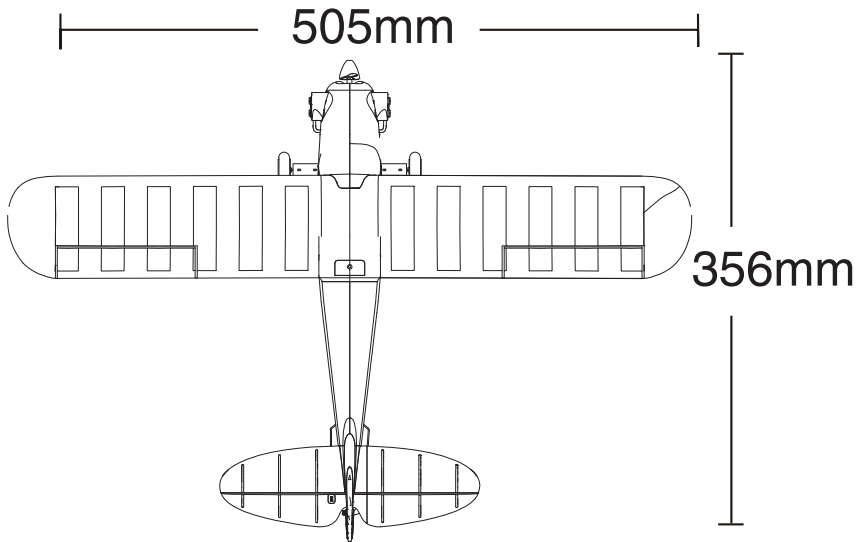
Specifications & Equipment:

W01-J3

Length: 356mm

Wing span: 505mm

Flying Weight: 65g



深圳市羽翔智讯科技有限公司



YU XIANG

W01-J3

THREE-CHANNEL GYROSCOPE SELF-STABILIZING SIMULATION AIRCRAFT INSTRUCTIONS



Thank you for buying YuXiang products. The W01-J3 is the latest technology in Rotary RC models. Please read this manual carefully before assembling and flying the new W01-J3 helicopter. We recommend that you keep this manual for future reference regarding tuning and maintenance.




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INTRODUCTION

Thank you for choosing YuXiang product!W01-J3 is a world's first in a smaller space,and outdoor sport flying remote control fixed-wing aircraft, in order to make it easier and easier Use W01-J3,please read the complete instructions after operating this model airplanes,while you properly save this manual for future reference adjustment and maintenance.

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

W01-J3 is a sophisticated hobby product and not a toy.Although small,it still poses certain risk factors that should not be overlooked.Please follow safety and operationre commednsations toensure correct operation of this helicopter.The use of this aiplane beyond its intended purposes and disassembly may cause unforeseen danger, and should be avoided.

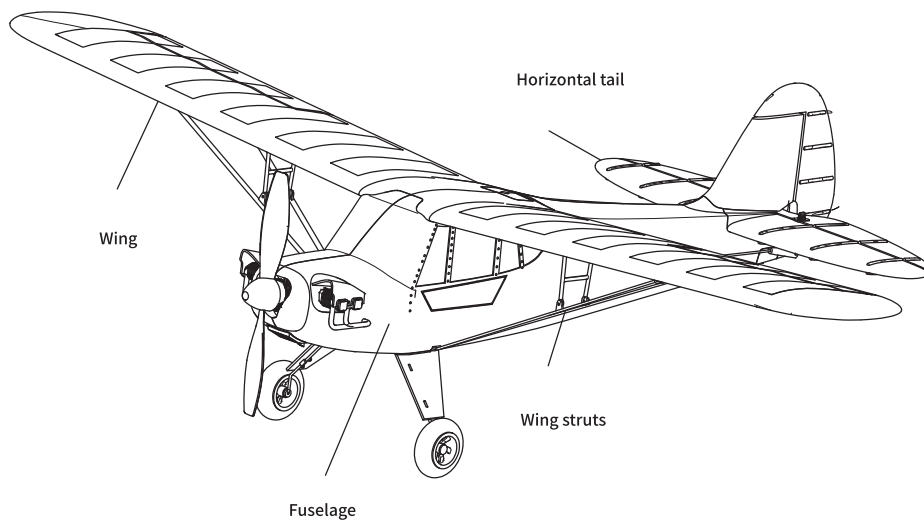
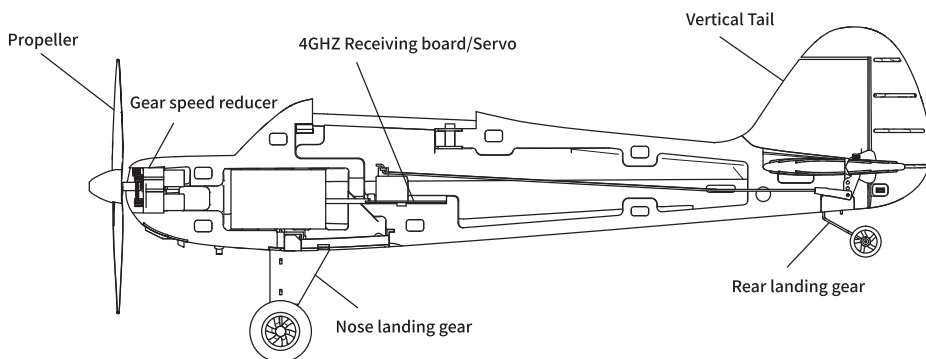
Manufacturer and dealer assume no liability for accidental damages by abnormal wearof parts,improper assembly,or operation in unsafe manners.This product is intended for use by age 14 years or older. Please ensure the product is operated in safe environment.

Model products are consumable products that require high operating technology. After disassembly and use, parts will be abrasion in different situations. Any product that is defective or unsatisfactory during use will not be replaced or returned within the warranty conditions. If you have any problems with operation and maintenance, please contact our company's branches or agents across the province.

SAFETY NOTOYS

 CAUTION	<p>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.</p>
 FORBIDDEN	<p>Special despecial design for indoor & outdoor,please keep it away from obstacle</p> <p>This product is suitable for indoor and outdoor(the.wind grade should be no more than 4), please choose a place without obstacle,and keep distance from crowd and pets,don't play it under unsafe, for instance, heat source, wire or electronic power source,in order no to be damaged by collision landing,entanglement and lead to a fire,electric shock and cause losses oflives and property</p>
	


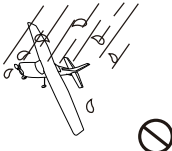





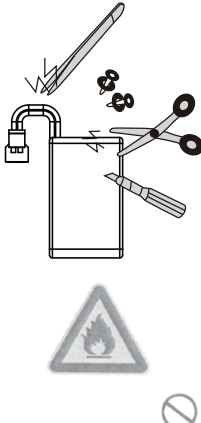




NOMENCLATURE Name of each part of model aircraft



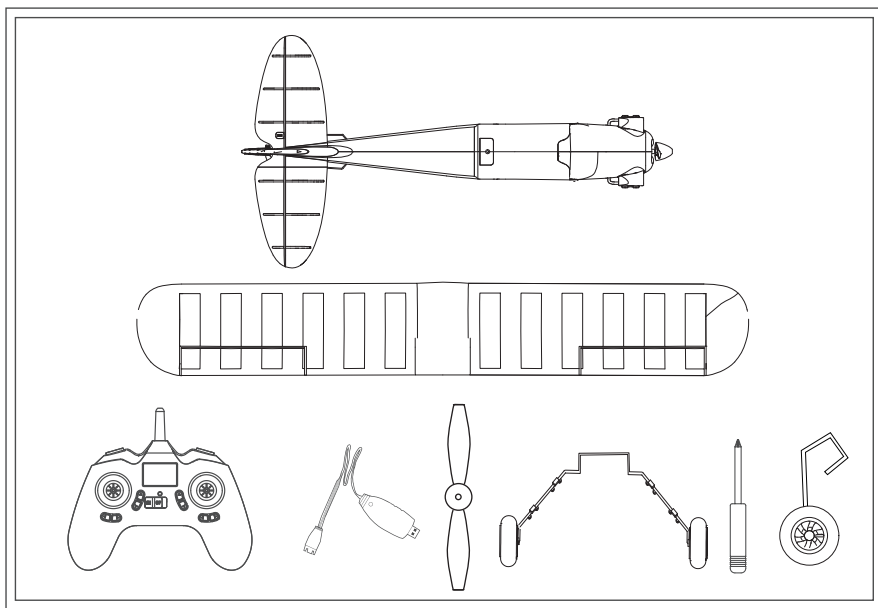
Specifications ,contents of parts and availability are subject to change,Align RC is not responsible for inadvertert erros in this publication.

TROUBLE SHOOTING DURING FLIGHT

	Situation	Cause	Way to deal
1	Receiver status LED blinks continuously for more than 4 seconds after airplane battery inserted. No response to control input.	Unable to bind to transmitter.	Repeat the power up initializing process. (Refer to P.11:Binding of radio transmitter and receiver)
2	No response after battery is connected to airplane .	1.power to transmitter and receiver. 2.Check transmitter and receiver voltage. 3.Poor contact on battery terminals.	1.Turn on transmitter and ensure airplane battery is inserted properly. 2.Use fully charged batteries. 3.Re-seat the battery and ensure good contact between battery contacts.
3	Motor does not respond to throttle stick, receiver LED flashes.	Airplane battery depleted.	Fully charge the battery, or replace with a fully charged battery.
4	Main rotor continue to spin after landing	Throttle trim accidentally increased during flight.	Confirm throttle trim is in center or slightly below.
5	Motor fails to run,but servo moves.	1.Throttle trim is too high, triggering safety protection function. 2.Throttle was not all the way down during power up. 3.Loose motor connection or damaged motor	1.Lower throttle trim and restart throttle. 2.Lower throttle stick all the way down and restart throttle. 3.Re-seat the motor plug or replace the motor.
6	Main rotor spins but unable to takeoff.	1.Deformed main blades. 2. Airplane battery depleted	1.Replace main blades 2.Charge or replace with a fully charged battery.
7	Strong vibration of airplane	1.Deformed main blades 2.Bent main shaft	1.Replace main blades 2.Replace main shaft
8	Model aircraft can not fly straight yaw	Does not return the rudder surface	1.Fine tune the direction to go in the rudder 2.Adjust the rudder surface of the wire to the rudder return
9	Model Aircraft rise or down	The elevator did not go in the face	1 Tone elevator rudder trim to go in 2 Adjust the elevator surface of the wire to the rudder return

<div>  PREVENT MOISTURE </div> <p>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.</p>	
<div>  PROPER OPERATION </div> <p>To avoid potential fire hazard from batteries, please do not short, reverse polarity, or puncture batteries. Battery charging must be done under supervision at all times, and at location out of reach by children. Double check the four AA batteries are rechargeable Ni-CD/MH batteries before charging. The manufacturer or this product will not be liable for accidental damages incurred by charging non-rechargeable batteries.</p>	
<div>  SAFETY NOTE FOR NI-MH BATTERIES </div> <p>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 of depleted batteries according to local laws and ordinances. Do not dispose improperly.</p>	
<div>  SAFETY NOTE ON LI-POLYMER BATTERIES </div> <p>Li-Polymer batteries pose 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.</p> <p>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.</p> <p>Battery charging must be done under supervision at all times, and at location out of reach by children.</p> <p>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.</p> <p>Please dispose of depleted batteries according to local laws and ordinances. Do not dispose improperly.</p>	
<div>  KEEP AWAY FROM HEAT </div> <p>R/C models are made of various forms of plastic. Plastic is very susceptible to damage or deformation due to extreme heat and cold climate. 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.</p>	
<div>  OBTAIN THE ASSISTANCE OF AN EXPERIENCED PILOT </div> <p>The products are suitable for more than 14 years old age, at the beginning it will have some difficulty in learning, suggestion guidance by experienced when playing.</p>	

PACKAGE ILLUSTRATION



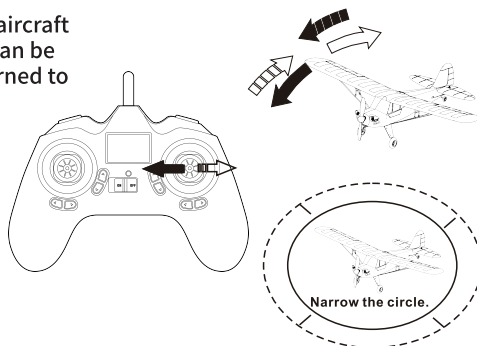
PACKAGE CONTENT

NO.	PARTS	QUANTITY
1	Box	1
2	Inner box	1
3	W01 aircraft	1
4	Remote Control	1
5	Instructions	1
6	Battery 3.7V 500mah	1
7	Propeller	1
8	Front and rear landing gear	1
9	USB charger	1
10	Screwdriver	1

RUDDER CONTROL PRACTICING

When the model aircraft leaves the ground, if the aircraft deviates while taxiing on the ground, the rudder can be turned to correct it, and the rudder can also be turned to change the course after takeoff.

Beginners must practice well pre-flight simulator or an experienced person guidance to fly.

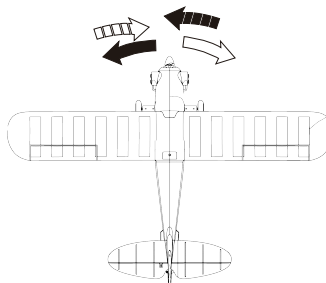
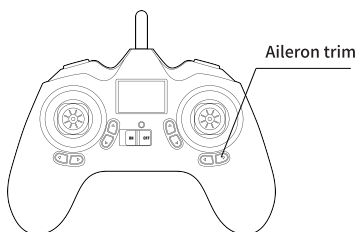


FINE ADJUSTMENT OF FLIGHT ATTITUDE

When the model aircraft leaves the ground, if the aircraft tilts left or right, you can use the fine adjustment correction

1.Adjustment of rudder trim

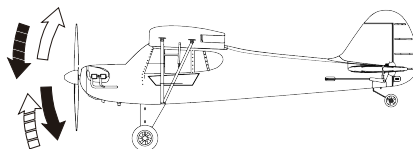
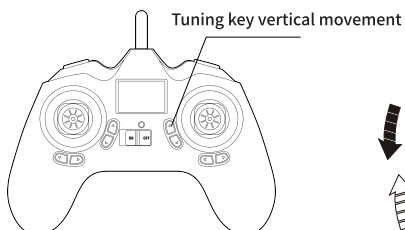
Just before the helicopter lift-off, the nose leans left-right. When leans right, adjust the trim to the left side. When leans left, adjust the trim to the right side



2.Adjustment of elevator trim

When the model aircraft off the ground, the nose up / down shift.

When the aircraft looked up, fine-tuning adjustment upward. Aircraft fight bow, trimming downward adjustment.



FLIGHT ADJUSTMENT AND SETTING

PLEASE PRACTICE SIMULATION FLIGHT BEFORE ACTUAL FLYING

Before you are familiar with the air plane , please don't set it fly, read the instruction carefully. Get familiar with all kinds of direction control and keep repeating until you can play it as you perform your wishes

1. Place the airplane in a clear open field and the tail of airplane point to yourself.
2. Practice to operate the throttle stick (as below illustration) and repeat practicing "Throttle high/low", "Aileron left/right", "Rudder left/right", and "Elevator up/down".
3. The simulation flight practice is very important, please keep practicing until the fingers move naturally when you hear operation orders being called out.



Mode	Illustration	Mode	Illustration
Ascent 	 The rudder faces up	Descent 	 The rudder faces down
Turn left 	 The rudder faces left	Right turn 	 The rudder faces the right

FLIGHT ADJUSTMENT AND NOTICE FOR BEGINNERS



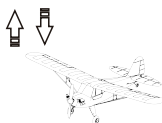
- ◎ Check if the screws are firmly tightened.
- ◎ Check if the transmitter and receivers are fully charged.

When arriving at the flying field.



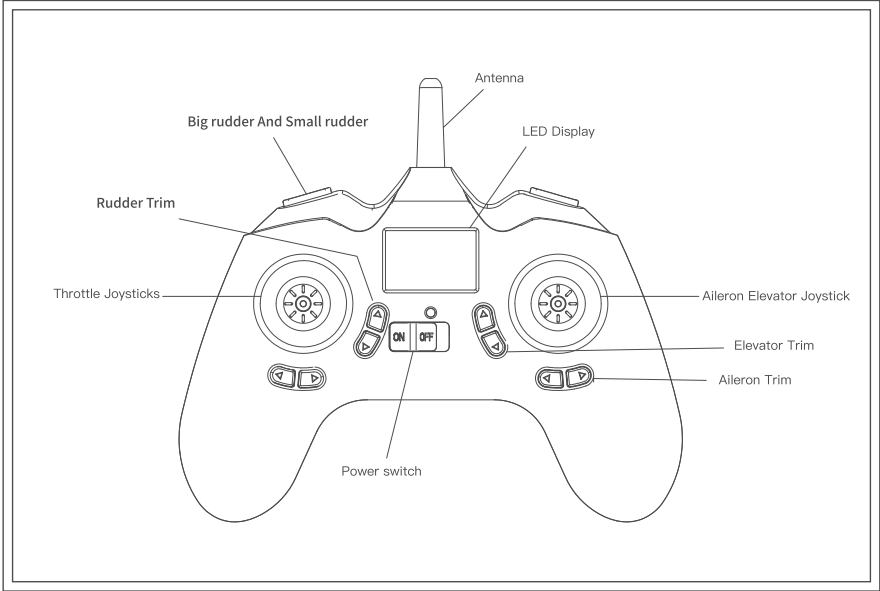
STEP 1 THROTTLE CONTROL PRACTICE

Mode

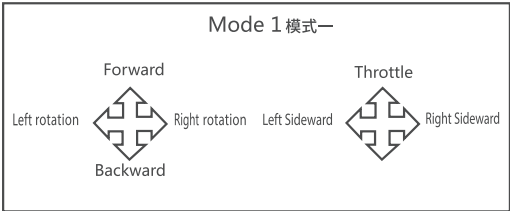


When the model aircraft from the ground, slowly throttle control the level of
Uniform flying the aircraft can not be fierce fuel door.

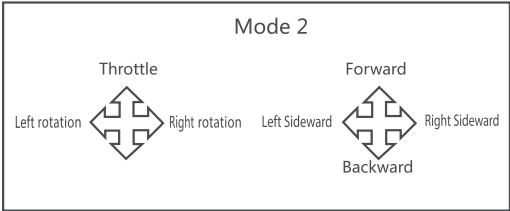
ABOUT REMOTE CONTROLLER



RIGHT HAND THROTTLE



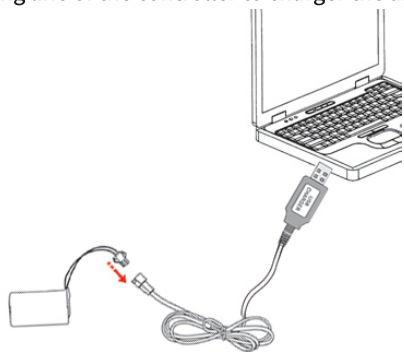
LEFT HAND THROTTLE



The remote controller does not support the left-right hand conversion function, please use MODE1 or MODE2 according to your own needs

CHARGING BATTERIES

charging line of the controller to charger the airplane



Please insert the USB charging cable into the computer USB jack, and then plug the USB charging cable insert the charging plug into the charger jack, and then connect the Li-po battery of the model airplane as shown in the pictures the charging hole in the direction shown to locate.



For safety concerns, battery charging must be done under supervision at all times.

Avoid shortening the metal contacts in charger receptacles,as it may lead to internal damage of charger.



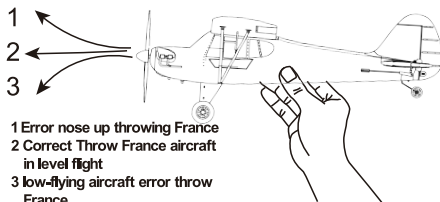
Charging status: 1. The red light is always on after the charger is connected to the power supply
2. After the battery is inserted into the charger, the red light of the charger goes out while charging
3. After the battery is fully charged, the red light of the charger is always on.
Users can use the USB socket of the computer to power the charger, or use the DC 5V 2A power adapter to power the charger

LED Indicator LED		Charger Specifications		
Red		Red		
Idle and Charge Completion		Charging		
Input		Charging Current		Full Voltage
0.5A		500mAh*1		4.2±0.03V

BATTERYAND CHARGERSPECIFICATION

Batteryusage andchargedurationreference

Battery type	Battery Specification	Usage Duration		Charge Time
Li-poly battery	3.7V 500mAh/25C	airplane flight time	Approx. 25 Minutes	Approx. 60 Minutes (Charging current approx. 0.5A)

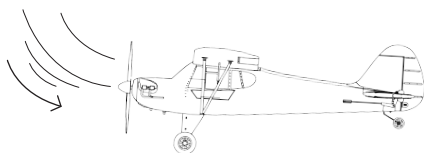


- 1 Error nose up throwing France
- 2 Correct Throw France aircraft in level flight
- 3 low-flying aircraft error throw France

Hand throwing off

Good code according to the above steps, each rudder reconfirm whether gyrus.

Push the throttle to about 60%, while the windward forward horizontal throw light pull Next elevator (do not pull too much)

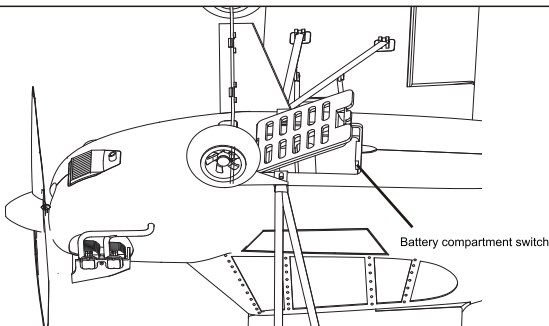


Landing

When the aircraft is immediately feels underpowered when landing, the aircraft first flew Head upwind downwind landing zone adjustment, reduce the throttle low flight speed, the aircraft Then slowly glide down, knowing that the aircraft touches the ground, and then the throttle to the bottom, Taxing to the appropriate pull the elevator.



Falling off if routes can play aileron or rudder correction.

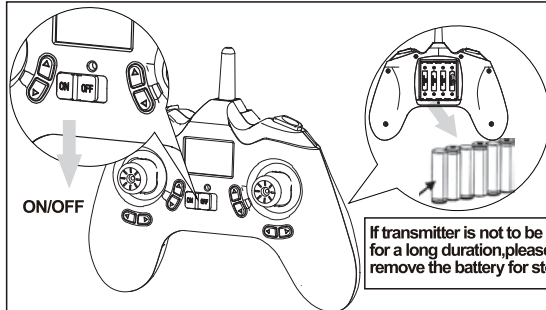


Ending flight

Remove the helicopter battery safely at the conclusion of flight. This should be made into a post flight habit to avoid unforeseeable problems.



Warning: If left connected in the helicopter for long duration, the battery may be damaged due to over-discharge, or even become fire hazards.



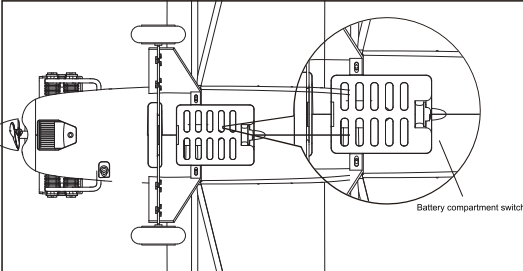
Closed the remote control the power

Turn off the transmitter. If transmitter is not to be used for a long duration, please remove the battery for storage.



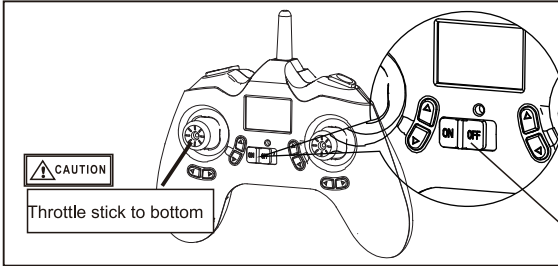
Warning: If the AA batteries are left in the transmitter, potential leakage could occur which may damage the transmitter, and create fire hazards.

BINDING OF RADIOTRANSMITTER AND RECEIVER



Step 1

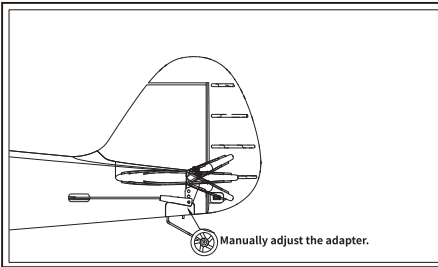
Plug aircraft batteries, aircraft indicator flashes



Step 2

First open the remote control, remote control, issued a "bit" sound. after a few seconds the remote control After the sound of the code, aircraft indicator light the code is complete.

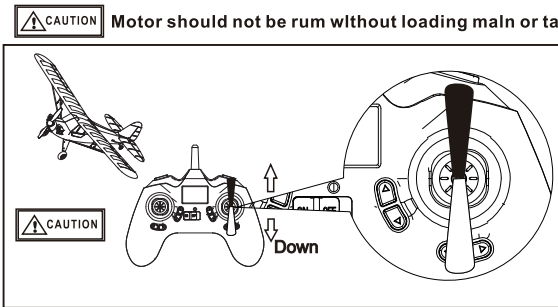
ON/OFF



Step 3

After the completion of the code, each rudder should gyros, gyros if not it can be manually rotating joint gyros.

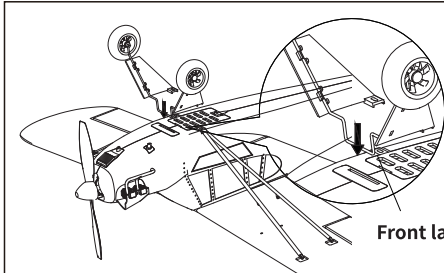
FIGHT AND LANDING



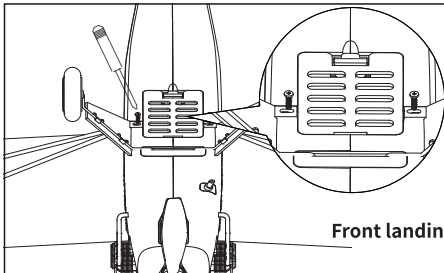
Take off the ground

Good code according to the above steps, each rudder reconfirm whether gyros. The aircraft on a flat surface and to windward, the aircraft quickly push the throttle Forward reach a certain speed, gently pull one o'clock elevator joystick (do not pull too much) Aircraft can leave the ground.

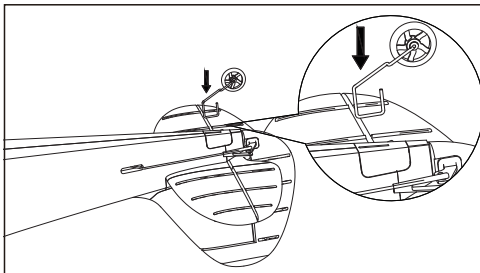
LANDING GEAR INSTALLATION AND PROPELLER REPLACEMENT



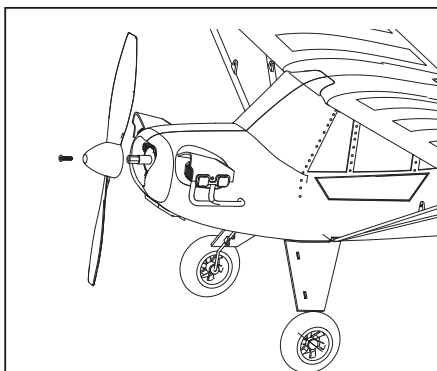
Install the nose landing gear as shown



1. align the landing gear baffle fixing groove with the strut groove,
2. use 1.5*5PA screw to fix the landing gear baffle at the same time
And stay fixed1.



Install the rear landing gear as shown



Replace the propeller

The propeller is worn and deformed during use, which will affect the flight. Please replace it in time. Use a screwdriver to remove the fixing screws, gently pull forward to remove the propeller, replace the new propeller, align the new propeller's hexagonal groove with the gear's hexagonal shaft, and gently push to install. Insert the propeller and fix it with 1.7*6PA screws.