ST MODEL
SHENG TENG ELECTRIC R/C MODEL PLANE CO.,LTD

Seawind

PRODUCT MANUAL

SPECIFICATIONS

Wing span:	1460mm/57.48in
Length:	1112mm/43.78in
Wing area:	27.74dm²/429.96in²
Flying weight:	1600g/56.50oz
Wing loading:	57.68g/dm²

SAFETY PRECAUTIONS

This electric R/C model plane is not a toy.

Assemble the plane according to the instructions. Do not alter or modify the model, If you make any modifications, you will void your warranty.

Children under 14 years old must use it accompanied by an adult.

Test the operation of the model before each flight to insure that all equipment is operating properly, and that the model remains structurally sound.

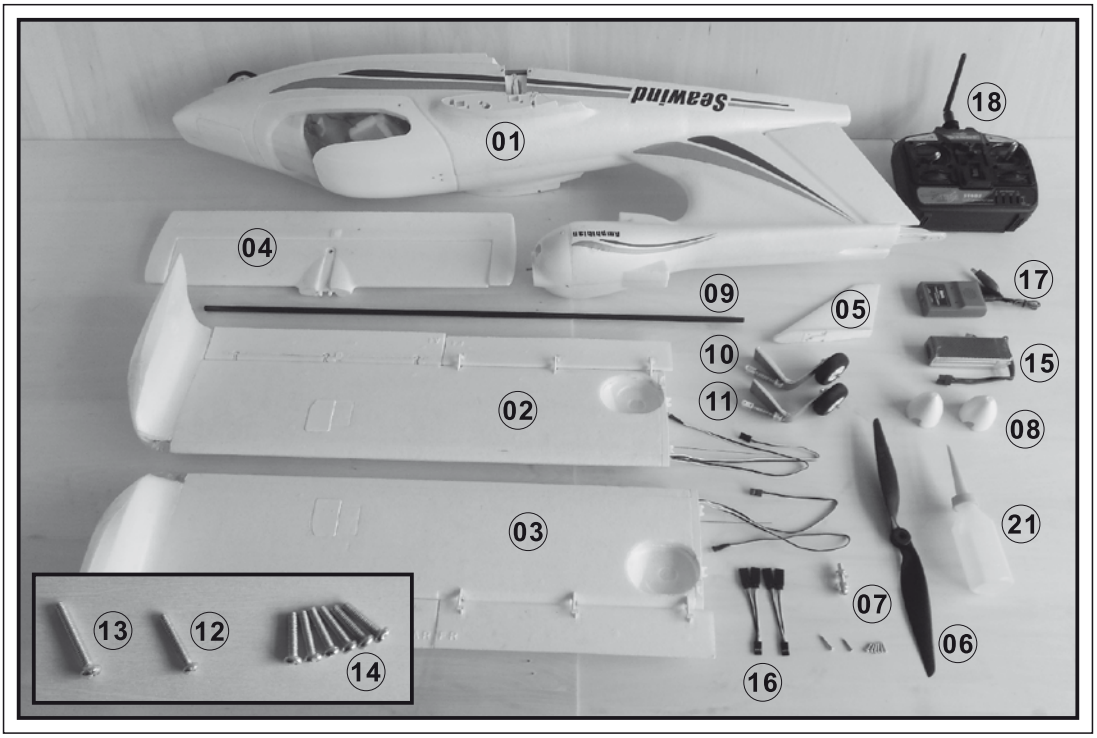
Fly only on calm days (with wind speeds less than 10 mph) and in large open areas free of trees, people, building or any other obstacles.

REMEMBER:
Take your time and follow the instructions to end up with a well-built model that is durable and easy to fly.

INTRODUCTION

Before starting to build, inspect the parts to make sure they are of acceptable quality. If any parts are missing are not of acceptable quality, or if you need assistance with assembly, contact Product Support. When reporting defective or missing part, use the part names exactly as they are written in the Kit Contents List.

01. Fuselage x1
02. Left Wing x1
03. Right Wing.....x1
04. Horizontal Stabilizer.....x1
05. Fin Tip.....x1
06. Propeller x1
07. Propeller Adapter x1
08. Spinner x2
09. Carbon Rod x1
10. Left Landing Gear.....x1
11. Right Landing Gear.....x1
12. Screw (M2.5x14) x1
13. Screw (M3.0x16) x1
14. Screw (M2.5x10) x6
15. Battery Pack x1
16. “Y” Servo Extension.....x2
17. Charger.....x1
18. Transmitter.....x1
19. Decals x1
20. Instruction.....x1
21. Sucking Bottle x1



ReplacementPartsList

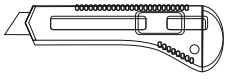
Replacement part for the ST MODEL SeaWind are available using the numbers in the Replacement Parts List that follows.

Order NO.	Description
ST 141	40AMP U-BEC ESC
ST 112	11.1V Lipo 2200mAh Battery
ST 172	ST6DF 2.4Ghz 6CH Transmitter
ST 180	ST6DF 2.4Ghz 6CH Receiver
ST 204	11x8 Propeller
ST 121	9g Servo
ST 122	17g Servo (P)
ST 124	36g Servo

Order NO.	Description
ST 185	Servo Speed Reducer (SSR)
ST 160	3S Lipo Smart Balancing Charger
STSE 010	Fuselage Set
STSE 020	Wing Set
STSE 030	Staibilizer
STSE 040	Tip Fin
STSE 050	Landing Gear (L&R)
STSE 011	Brushless Motor

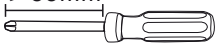
TOOLSREQUIRED

■ Sharp Hobby Knife



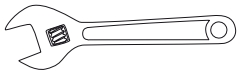
■ Phillips Screwdrivers (size:M,S)

≥85mm

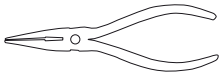


■ Ruler

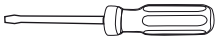
■ Hex Wrench



■ Needle Nose Pliers



■ Flathead Screwdrivers (size:M,S)



■ Awl

PREPARET HER ADIOC ONTROLS YSTEM

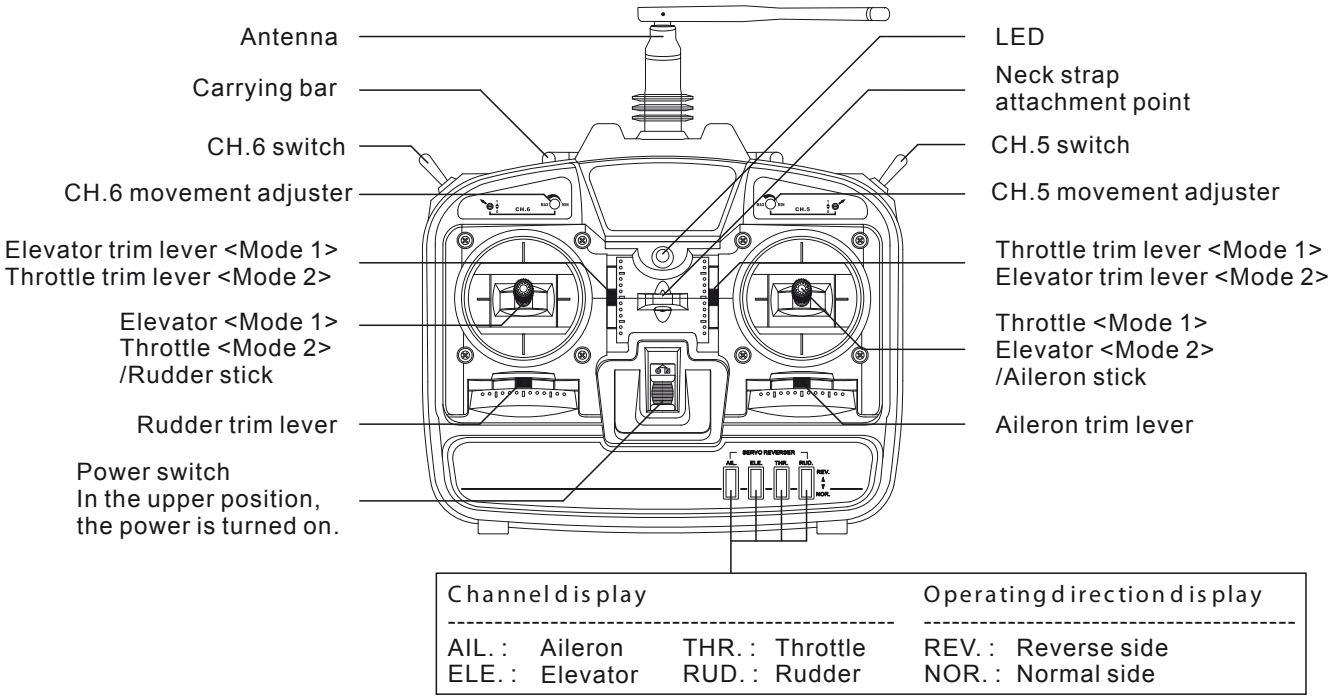
1. Locate the transmitter (PIC.01).
2. The transmitter requires eight alkaline “AA” batteries. To install the batteries, remove the battery hatch by sliding it down and inserting them into place (PIC.02). Be sure to follow the polarity diagram inside the battery compartment. Reinstall the battery hatch (PIC.03).
   CAUTION:
   (1). Do not use rechargeable (NiCd & NiHy) batteries.
   (2). Do not mix old and new batteries.
   (3). Do not mix alkaline and standard (carbon zinc) batteries.
3. Switch the transmitter on and check the LED on the front of the transmitter (PIC.04). If the green LED is on, it is safe to fly. If the red LED is flashing, install fresh batteries. Also check to make sure that the batteries are installed correctly.
4. Switch the transmitter off and stand by for later use.

PIC.01

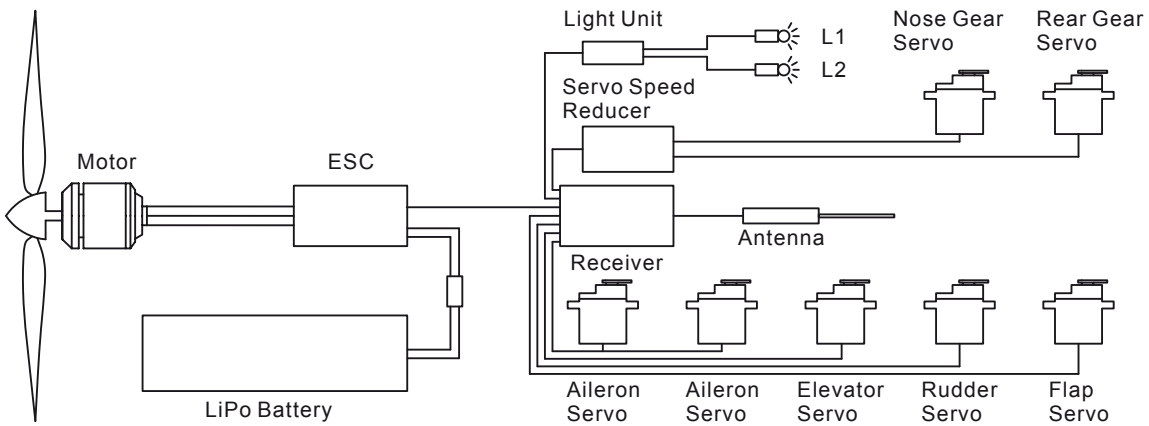
PIC.02

PIC.03

PIC.04



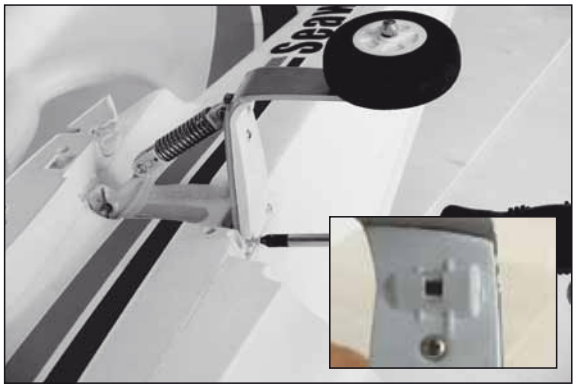
Channel display				Operating direction display	
AIL. :	Aileron	THR. :	Throttle	REV. :	Reverse side
ELE. :	Elevator	RUD. :	Rudder	NOR. :	Normal side

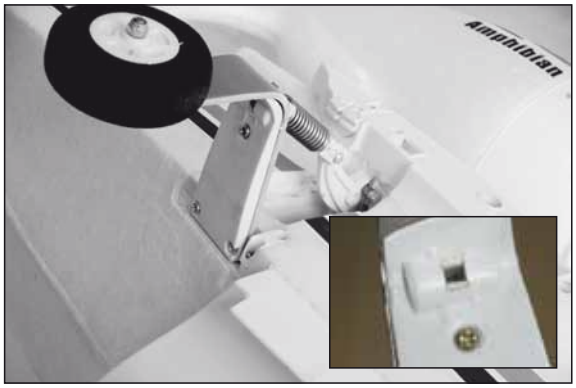


1 Landing Gears

2.5x10mm	Screw
----------6	

Mount the landing gears to both side of fuselage using six M2.5x10mm. Pay attentin to the marks “L” & “R” on the bottom of the landing gears.
The “L” landing gear should be mounted in left side of fuselage; The “R” landing gear should be mounted in right side of fuselage.

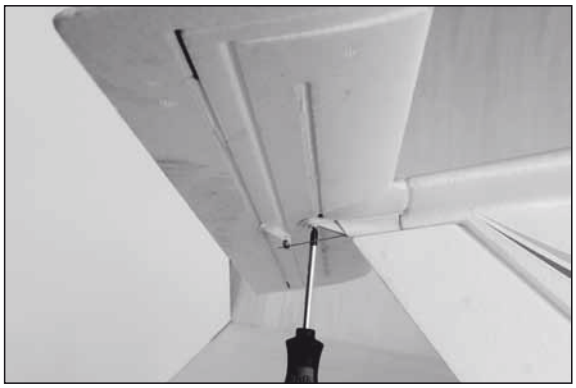


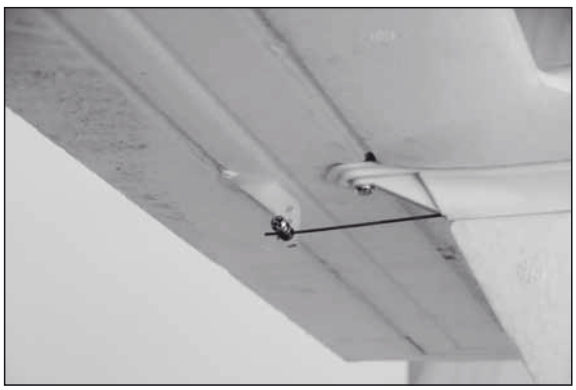


2 Horizontal Stabilizer

3.0x16mm	Screw
----------1	

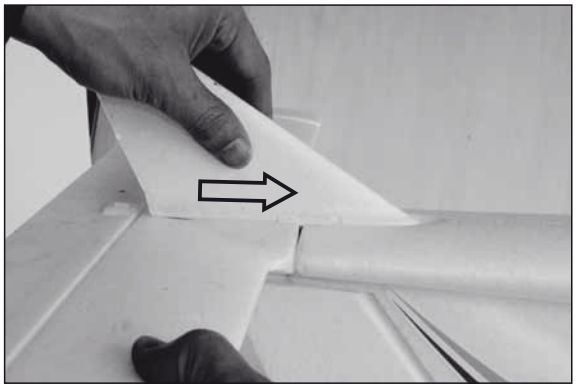
Fit the horizontal stabilizer onto the fin.
Then lock it with M3.0x16mm screw.
Guide the pushrod into the screw-lock connector on elevator horn, and lock it to avoid loosening.

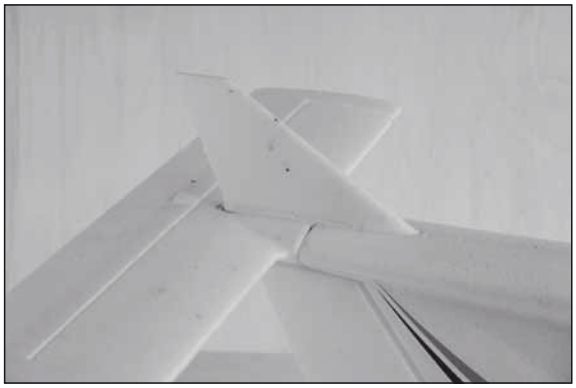




3 Fin Tip

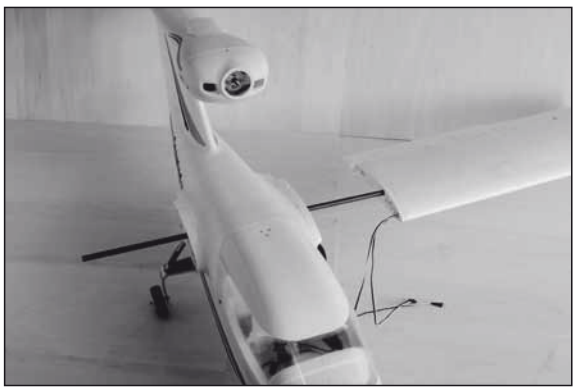
Attach the fin tip onto its foundation on the top of fin as illustration.
Slide the fin tip to the end to avoid loosening.



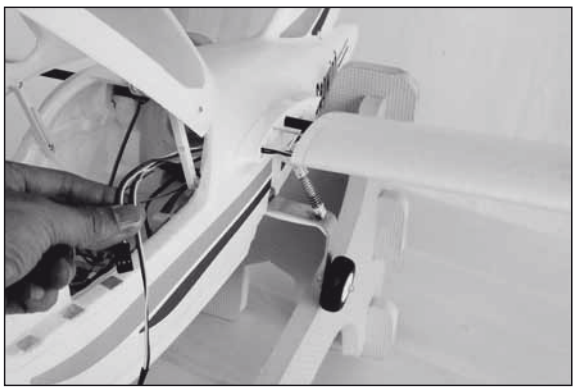


4 Main Wing

Insert the carbon rod through one of the wings, and then put the other end of carbon rod through the fuselage.



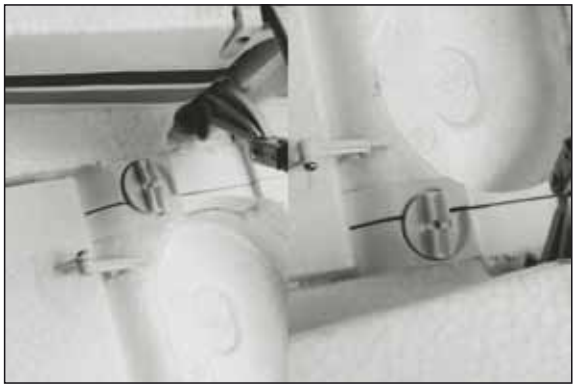
Put the servo wire & light wire and the flap pushrod through the fuselage into the canopy.



5 Main Wing

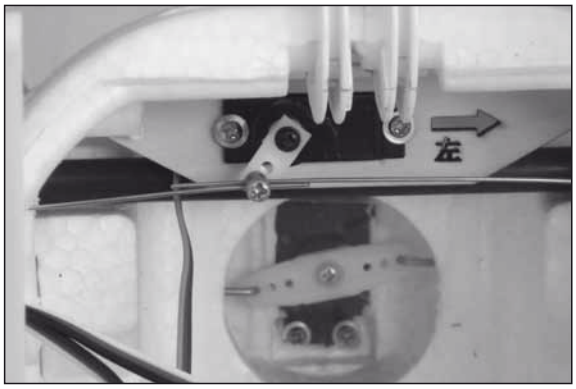
Insert the carbon rod through the other wing.
And also put the sero wire & light wire and falp pushrod through the fuselage into the canopy.

Fit the wings and the fuselage in place, then lock then to acoid looseing.

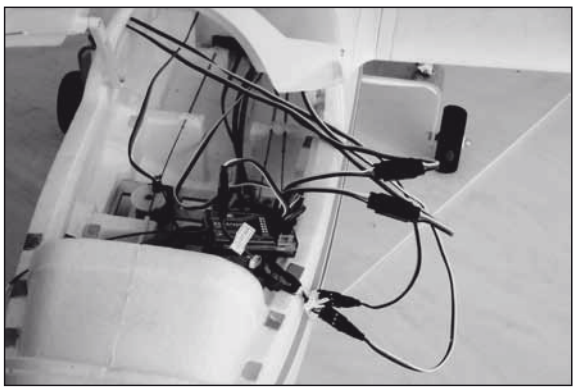


6 Main Wing

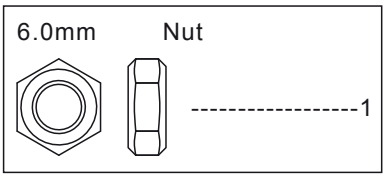
Guide the flap pushrod into the screw-lock connector on the flap servo arm.



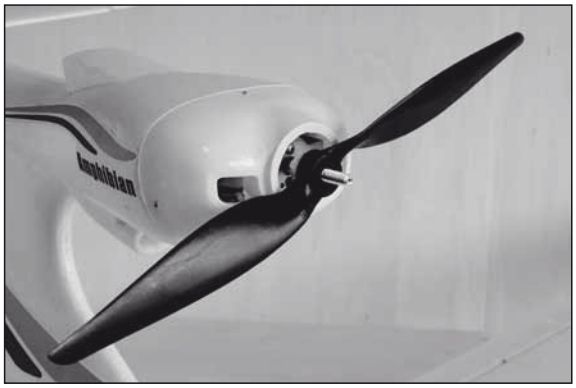
Take the aileron servo wire and connect to the servo extension leads.
Take the wing tip light wires and connect to the light unit.
Ensure the polarity should be contacted correctly.



7 Propeller



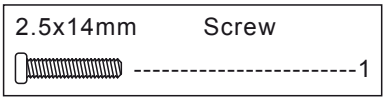
Install the propeller adapter with propeller over the motor shaft.



Put the propeller washer on the adapter shaft.
Take the propeller nut and screw it on the adapter shaft.
Tighten the nut with a hex wrench.

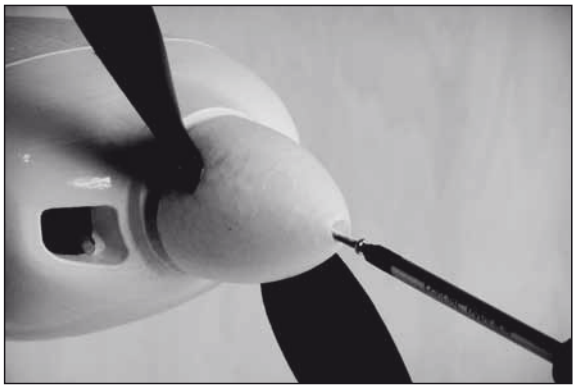
⚠ Tighten the screws securely. If it comes off during flights, you may lose control of your airplane, resulting in an accident!

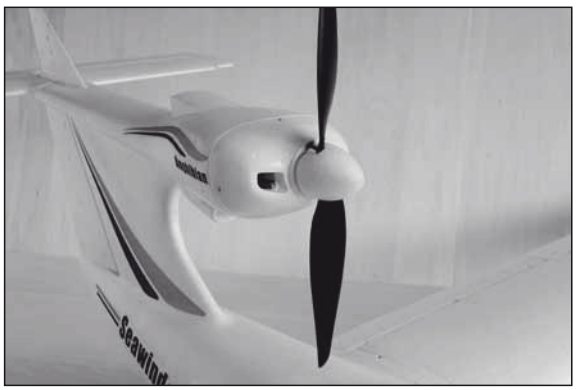
8 Spinner



Fix the spinner with the screw M2.5X14mm as shown.

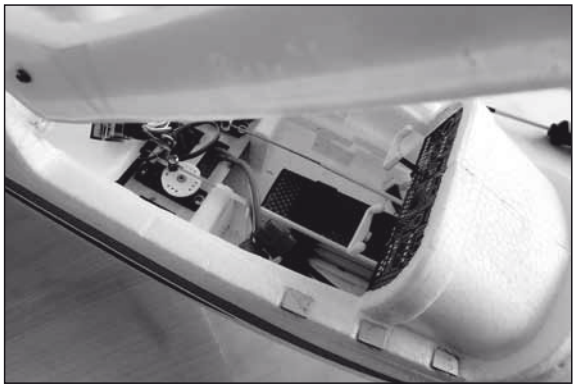
⚠ Make sure the screw are secured safely!

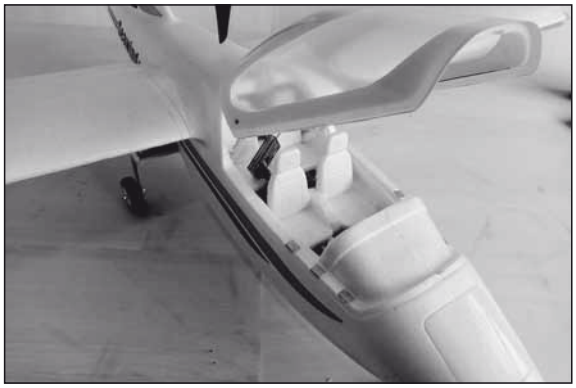




9 Battery

Remove the seat in the cockpit and fix the battery with velcro tape, accord to the C of G on step11.

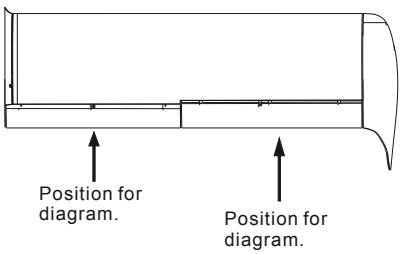




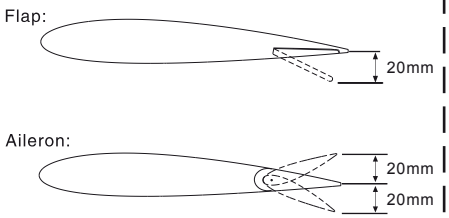
10 Adjustment

Adjust the travel of each control surface to the values in the diagrams.

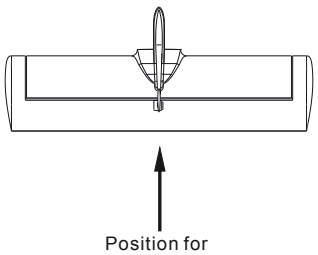
<Aileron> & <Flap>



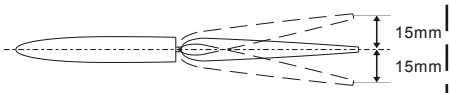
● Angle



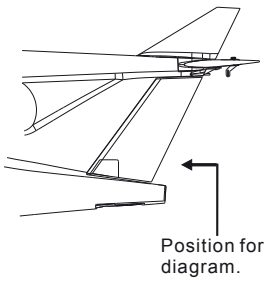
<Elevator>



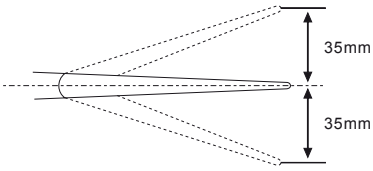
● Angle



<Rudder>



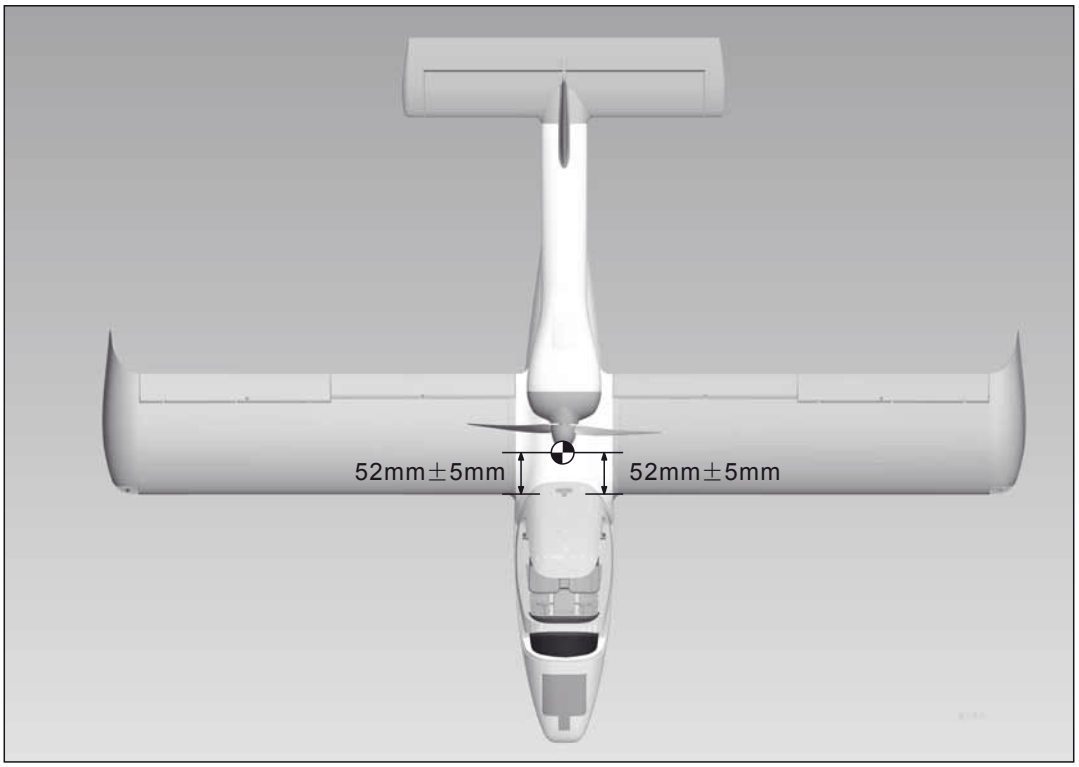
● Angle



11 C of G position

The standard CG is positioned the line as the picture shows.
The movement of the CG should not exced ±5mm.
Otherwise,it will have an effect on flying performance.

⚠ Do not fly before confirming the correct location of the CG.
If the CG is incorrect, you may lose control of your airplane and way lead to accidents.



OPERATINGYOURMODELSAFETY

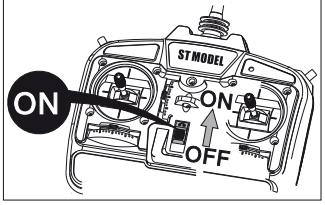
Before Flying

Before flying your airplane, ensure the airfield is spacious enough. Always fly it outdoors in safe areas with no debris or obstacles!

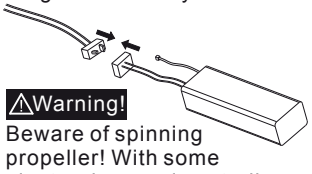
For proper radio handing, refer to it's instruction manual.

Ensure the spinner and propeller are securely installed.

Switch on the transmitter.



Plug in the battery.

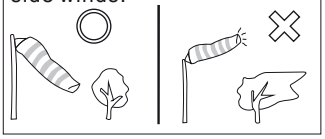


⚠Warning!

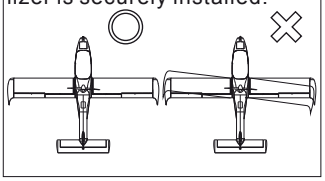
Beware of spinning propeller! With some electronic speed controllers, the motor (proprller) starts spinning as soon as battery is connected.

Flying

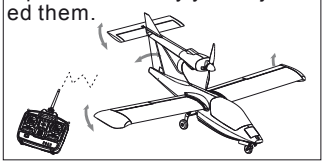
Do not fly your airplane on days with strong winds or side winds.



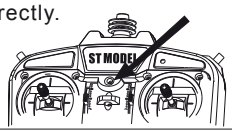
Ensure the main wing & stabilizer is securely installed.



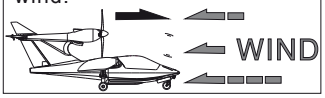
Move the sticks on your transmitter to ensure that all controls move according to your input and the way you adjusted them.



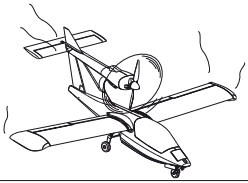
If the green LED is on, it is safe to fly. If the red LED is flashing install fresh batteries. Also check to make sure that the batteries are installed correctly.



Launch your airplane into the wind.

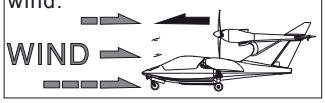


If your airplane does not function correctly, land it at once and find out the reason.

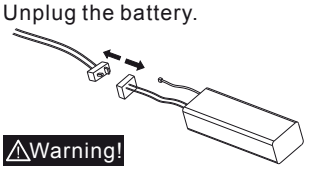


After Flying

Always land airplane into the wind.



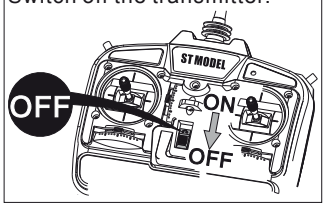
Unplug the battery.



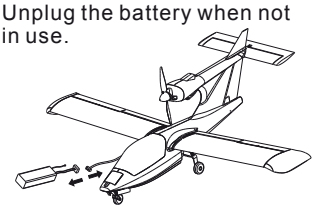
⚠Warning!

Beware of spinning propellers!

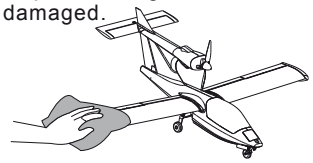
Switch off the transmitter.



Unplug the battery when not in use.



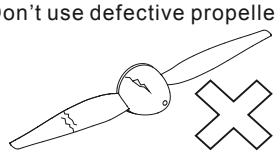
Remove grime, check the plane carefully and make sure no parts have gotten loose or damaged.



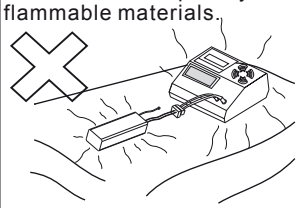
⚠Cautions for Safety

Do not allow people watching to get too close to rotaing propeller.

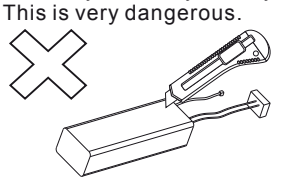
Don't use defective propeller.



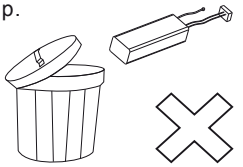
Batteries and chargers become hot. Keep away flammable materials.



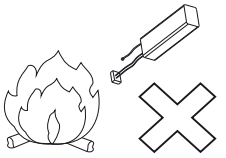
Never try to modify battery. This is very dangerous.



Do not dispose of used batteries, return them to the shop.



Do not dispose of batteries in a fire. They explode and release harmful materials.



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