

For Intermediate & Advanced Flyers

ALSW17

INSTRUCTION MANUAL

SPECIFICATIONS

Length:	990mm/39in
Wing Span:	2100mm/82.7in
Wing Area:	28.6dm ² /443.1in ²
Wing Loading:	27.6g/dm ²
Flying Weight:	790g/27.86oz

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 12 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, buildings 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.

The product you have purchased is powered by a rechargeable battery.

The battery is recyclable. At the end of its useful life, under various national / state and local laws, it may be illegal to dispose of this battery into the municipal waste stream. Check with your local solid waste officials for details in your area for recycling options or proper disposal.

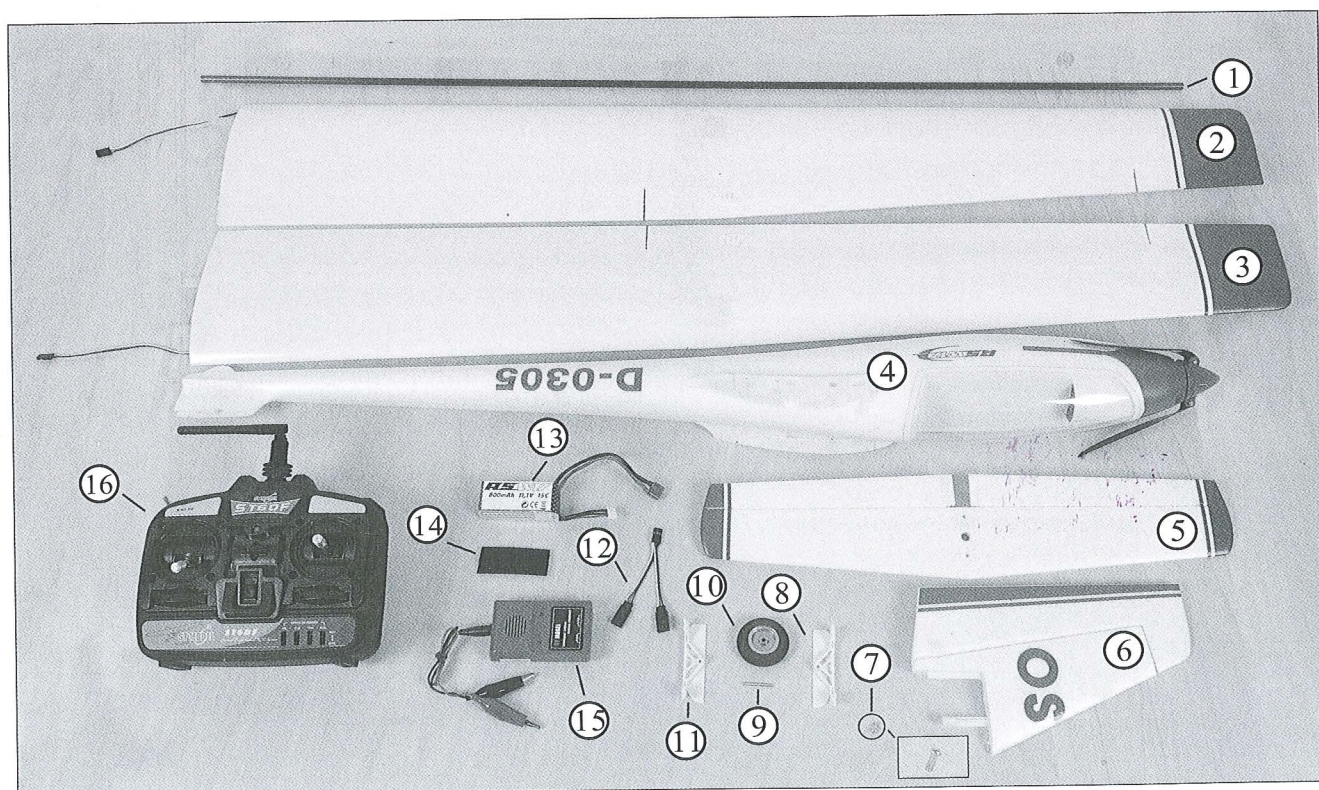


BEFORE YOU BEGIN

- 1 Read through the manual before you begin, so you will have an overall idea of what to do.
- 2 Check all parts.

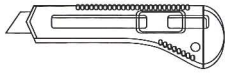
01. Carbon Rodx1
 02. Right Wing x1
 03. Left Wing x1
 04. Fuselage x1
 05. Horizontal Stabilizerx1
 06. Finx1
 07. Screw(M3.0x8)x1
 08. Left Wheel Carrierx1

09. Axletree x1
 10. Wheelx1
 11. Right Wheel Carrierx1
 12. "Y" Servo Extensionx1
 13. Battery Packx1
 14. Velcro Tape.....x1
 15. Charger.....x1
 16. Transmitter.....x1
 17. Instructionx1

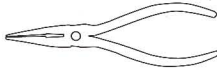


TOOLS REQUIRED

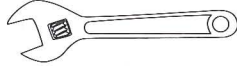
■ Sharp Hobby Knife



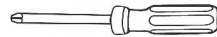
■ Needle Nose Pliers



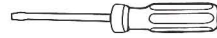
■ Hex Wrench



■ Phillips screwdrivers(sizes:M,S)



■ Flathead screwdrivers(sizes:M,S)



■ Awl



■ Ruler



GLOSSARY

Aileron:Controls roll(right/left).

Elevator:Controls Pitch(up/down).

Rudder:Controls Yaw(right/left direction)(yaw).

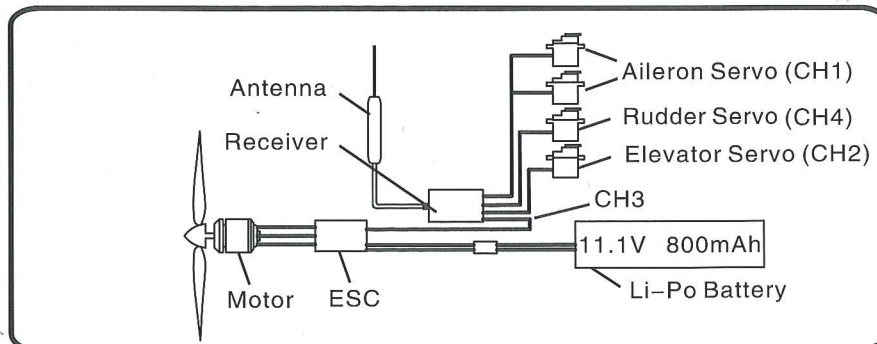
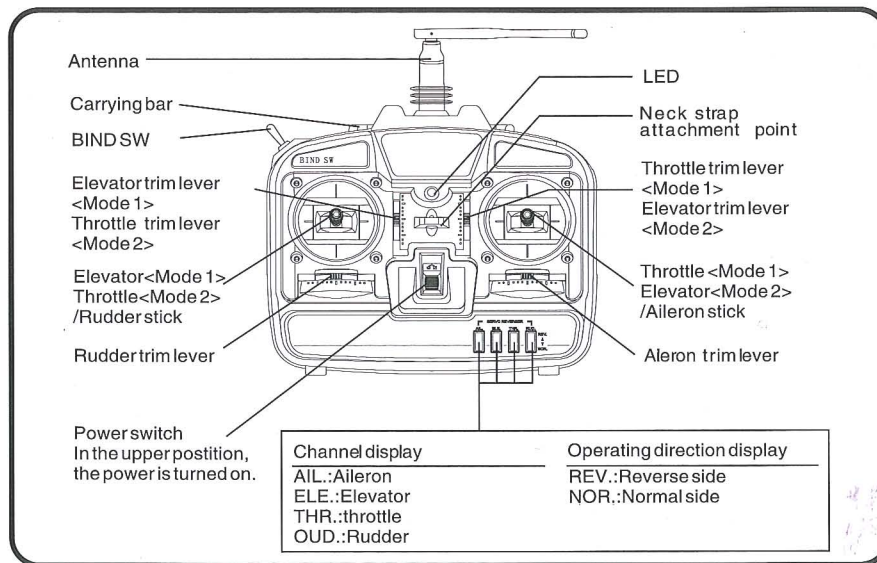
Receiver:Provides input to the control surfaces and ESC.

Power System–ESC(Electronic Speed Conctrol):Controls the speed of the motor.

Motor:Rotates the prop to provide thrust.

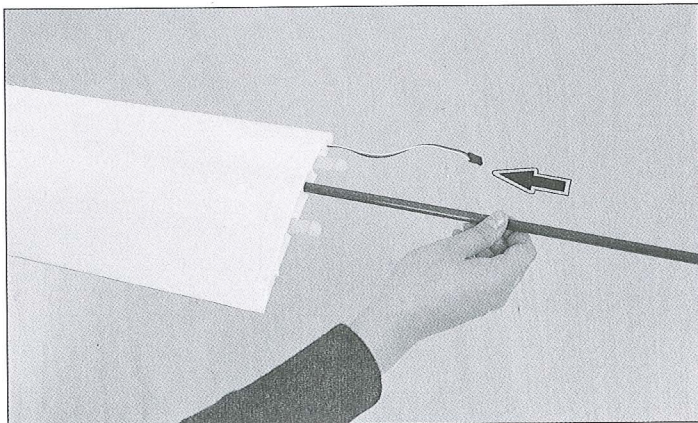
Transmitter(TX):The hand–held unit that sends the signal to the receiver.Moving the sticks control direction,climb/descent,roll and motor speed.

Li–Po battery:Rechargeable batteries which are used to power the airplane.Li–Po batteries are lighter and smaller than most other types of rechargeable batteries.

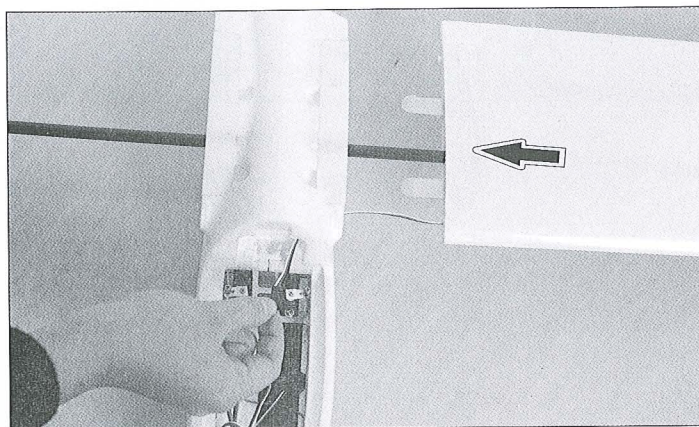


1 Main Wing

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

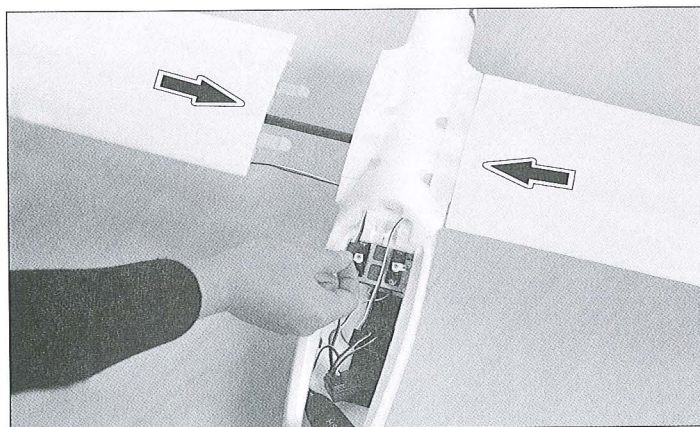


Put the aileron servo wire through the fuselage into the canopy.

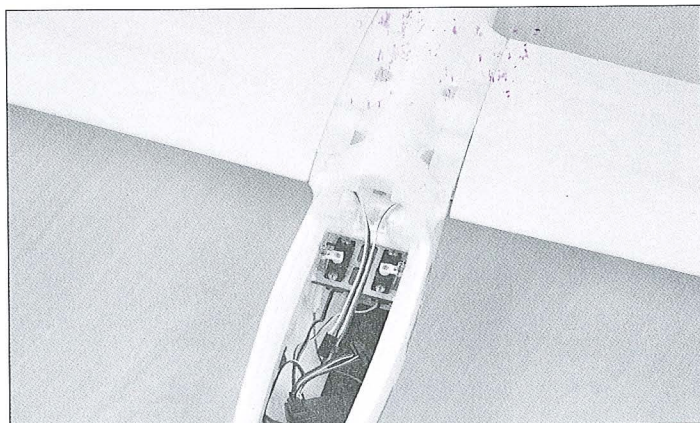


2 Main Wing

Insert the carbon rod through the other wing. And also put the aileron servo wire through the fuselage into the canopy.

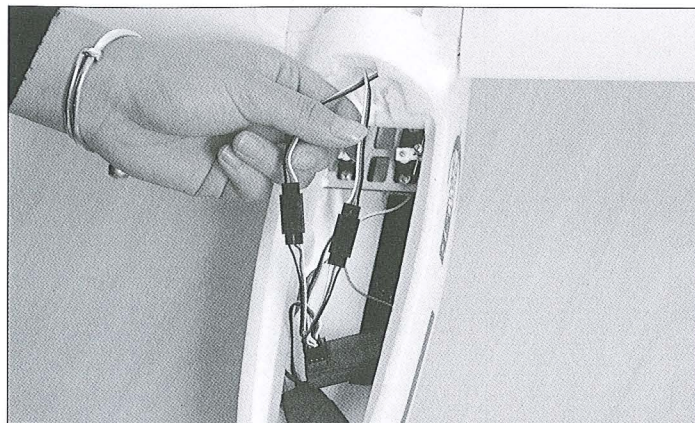


Fit the wings and the fuselage in place to avoid the wings loosening.



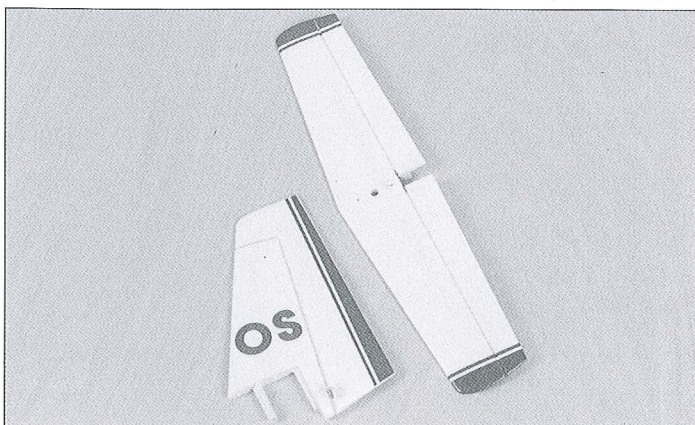
3 Main Wing

Take the aileron servo wires and connect to the servo extension leads. Ensure the polarity should be contacted correctly.

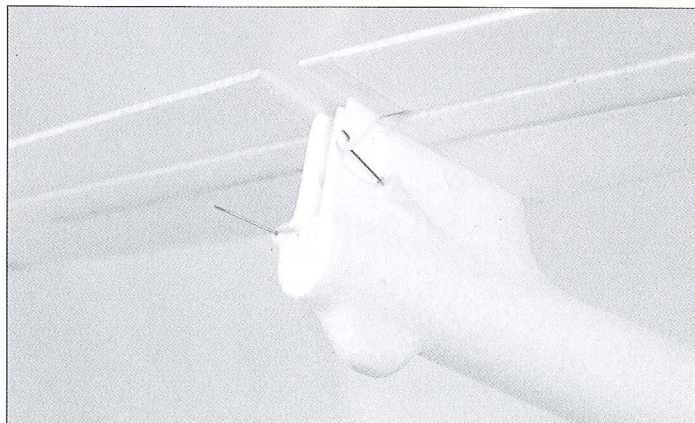


4 Tail Wing

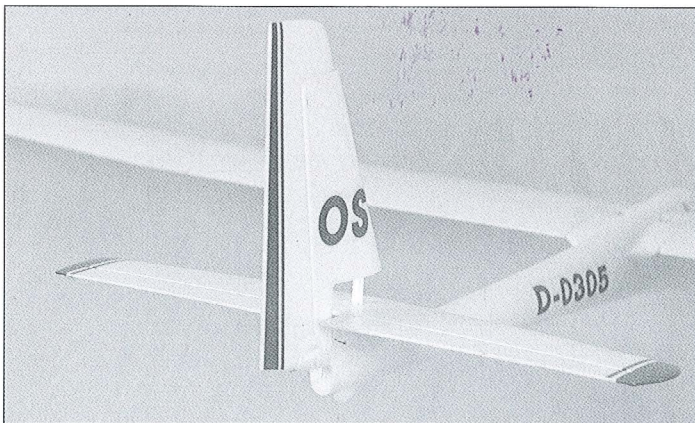
Take the horizontal stabilizer and the fin to your hands.



Install the "z" end of push rod to the horn of elevator. And put the horizontal stabilizer onto the holder on the fuselage.

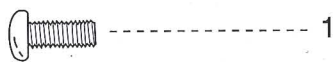


Insert the connector bolt of fin into the horizontal stabilizer and fuselage.



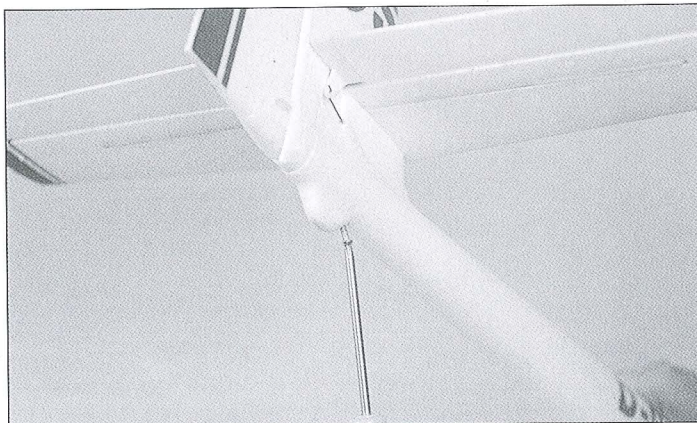
5 Tail Wing

3.0x8mm Screw



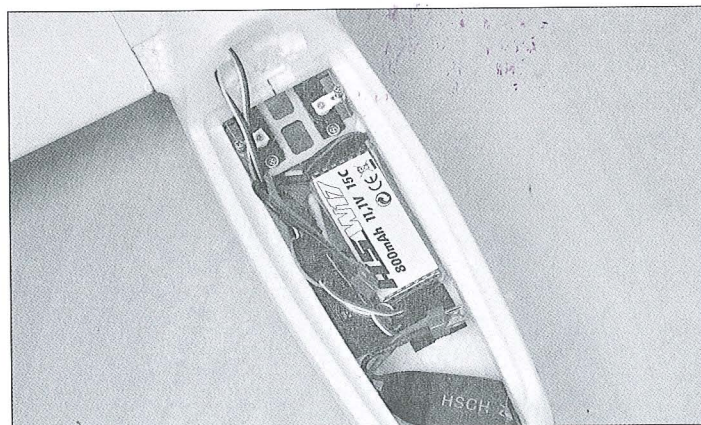
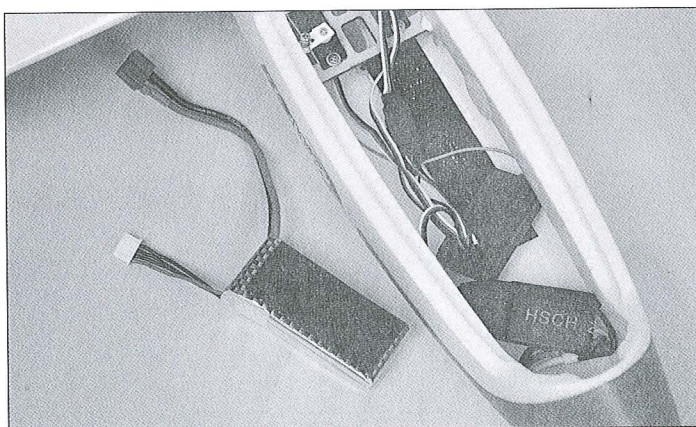
Fix the tail wings with the screw to avoid loosening.

Insert the rudder push-rod into the adjuster on the horn of rudder, and tighten the screw of adjuster to avoid loosening.



6 Battery

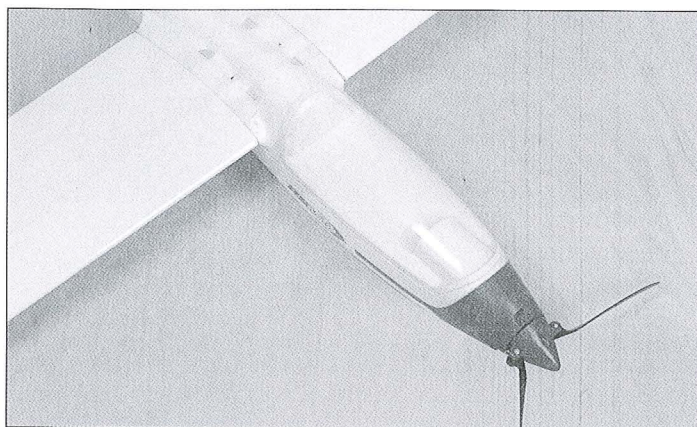
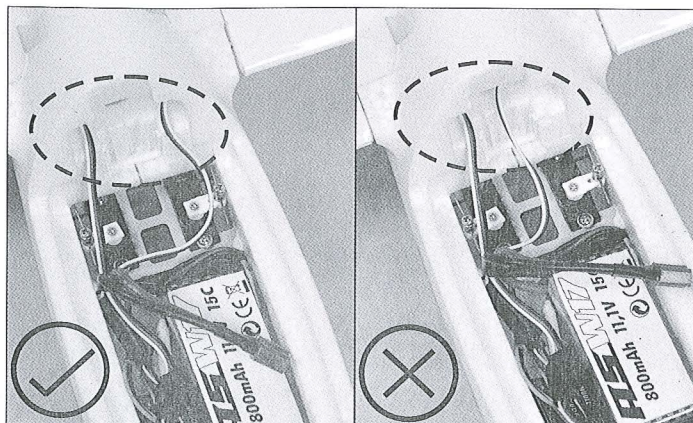
Fix the battery with velcro tape inside the battery location as illustration, according to the C of G on step.



7 Canopy Hatch

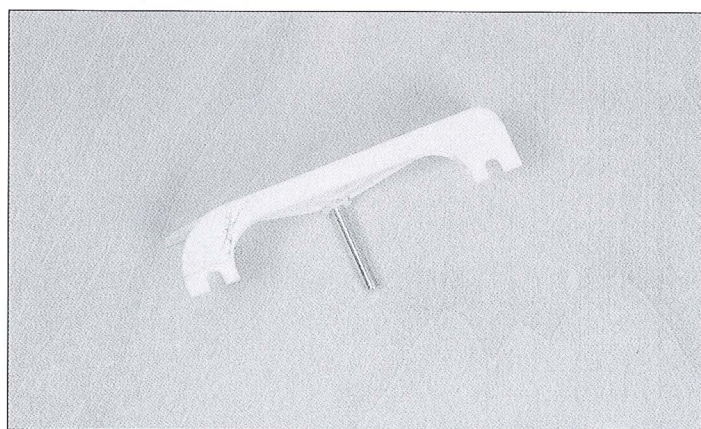
Put the servo wire on right location as the illustration, or it will affect the next step assembly.

Test fit the canopy hatch into the fuselage, and make sure it attached tightly to avoid falling off during the flight.

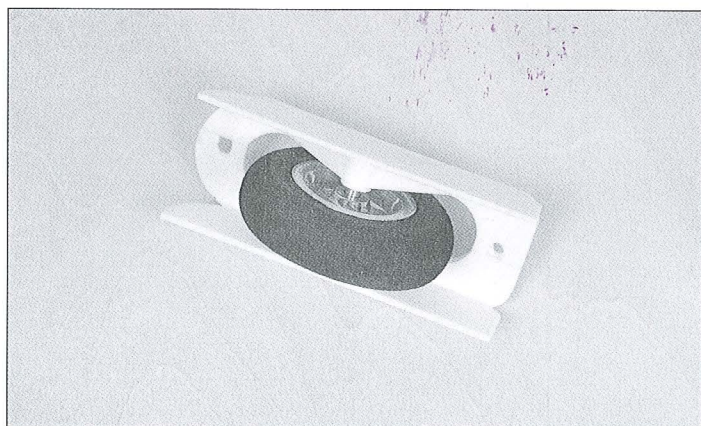


8 Landing Gear

Insert the axletree into the hole on one of wheel carriers.



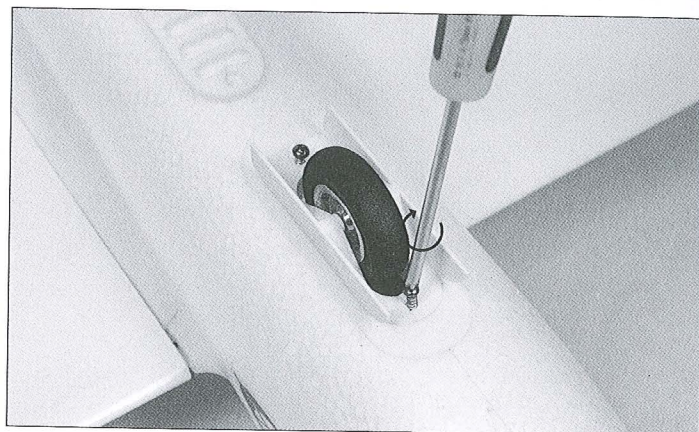
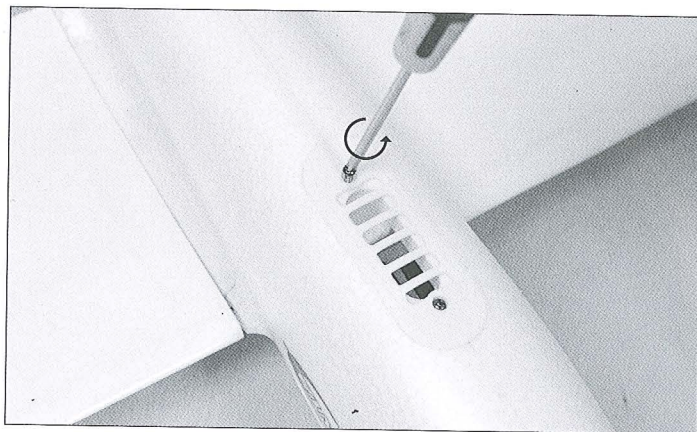
Fit the wheel and the wheel carriers in place as the illustration.



9 Landing Gear

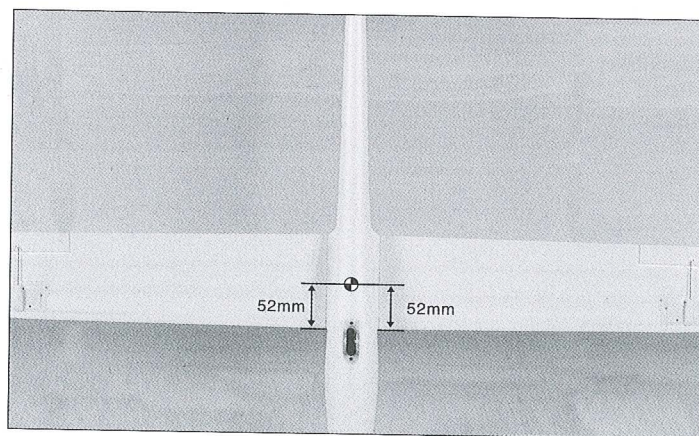
Remove the cowl from the fuselage.

Install the landing gear into the place. Then tighten the screws to avoid loosening.



10 C of G position

The standard C.G is positioned the line as the picture shows. The movement of the C.G should not exceed ± 5 mm; Other wise, it will have an effect on flying performance.

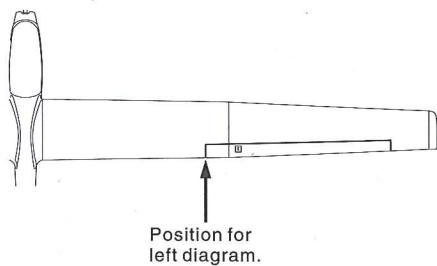


! Do not fly before confirming the correct location of the CG. If the CG is incorrect, you may lose control of your airplane and way lead to accidents.

11 Adjustment

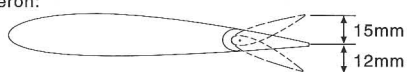
Adjust the travel of each control surface to the values in the diagrams

< Aileron >

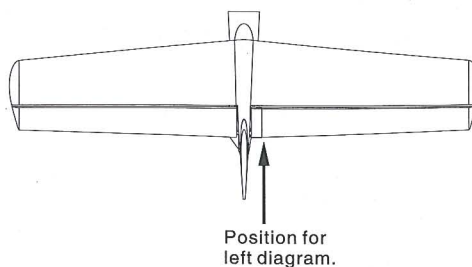


● Angle

Aileron:



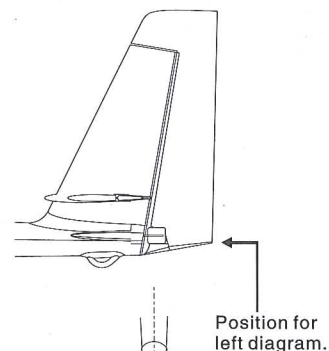
< Elevator >



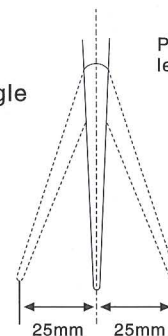
● Angle



< Rudder >



● Angle



OPERATING YOUR MODEL SAFELY

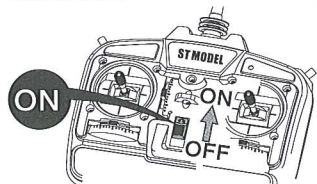
Before Flying

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

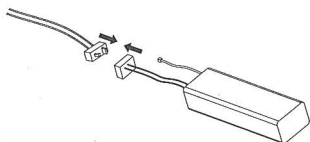
For proper radio handling, refer to its instruction manual.

Ensure the spinner and propeller are securely installed.

Switch on the transmitter.



Plug in the battery.

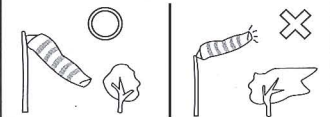


Warning!

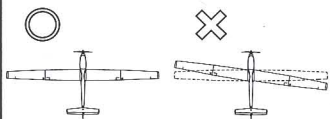
Beware of spinning ducted fan! With some electronic speed controllers, the motor (ducted fan) starts spinning as soon as battery is connected.

Flying

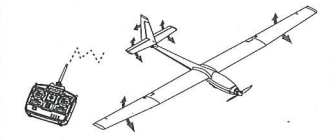
Do not fly your airplane on days with strong winds or side winds.



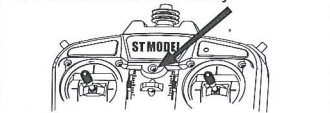
Ensure the main wing & stabilizer is securely installed.



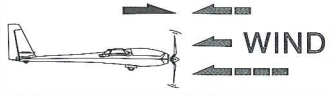
Move the sticks on your transmitter to ensure that all control move according to your inputs and the way you adjusted them.



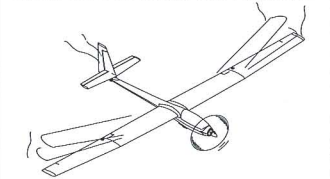
If the green LED is on, it is safe to fly. If the red LED is flashing, install fresh batteries. Also check to make sure that the batteries are installed correctly.



Launch your airplane by hand into the wind.

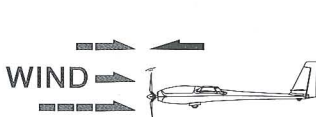


If your airplane does not function correctly, land it at once and find out the reason.

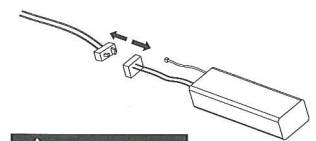


After Flying

Always land airplane into the wind.



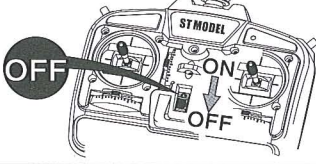
Unplug the battery.



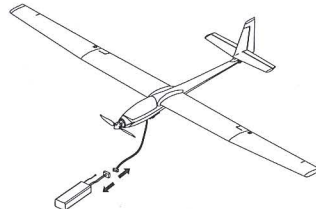
Warning!

Beware of spinning propellers!

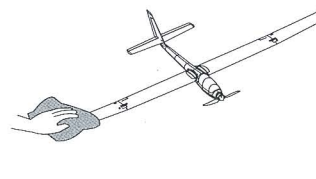
Switch off the transmitter.



Unplug the battery when not in use.

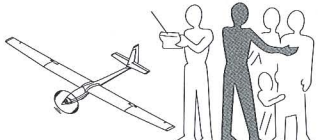


Remove grime, check the plane carefully and make sure no parts have gotten loose or damaged.

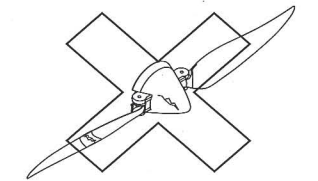


⚠ Cautions for Safety

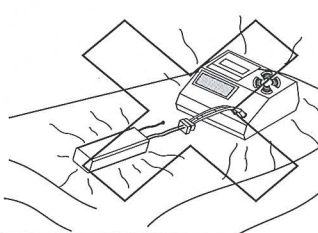
Do not allow people watching to get too close to rotating propeller.



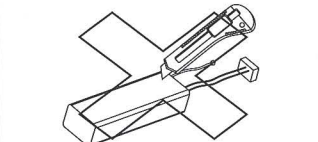
Don't use defective propeller.



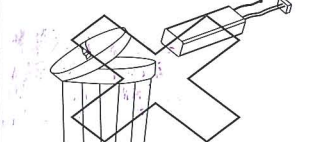
Batteries and chargers become hot. Keep away flammable materials.



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 will explode and release harmful materials.

