

MANUAL FOR SISTAME SUPER



Welcome to ALIGN RC WORLD!

Thank you for buying SKYWAVE SUPER. The manual is to describe and illustrate the details for parts assembling of SKYWAVE SUPER remote control glider.

Following the procedures step by step, the assembling will be easy and quick.

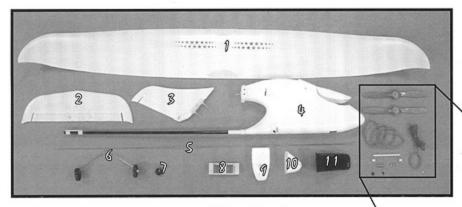


How to use this manual

- 1. The manual is based on SKYWAVE without electronic parts. The assembling for models of 3 or 4 actions is the same.
- 2. For models of 3 or 4 actions, the user only needs to set up and check the remote control system since the assembling is done.

Preparation

- 1. Ensure all the parts in the list coming with the manual.
- 2. An extra remote control device is needed if it is a machine without electronic parts.
- 3. Some basic tools are needed to help assemble.

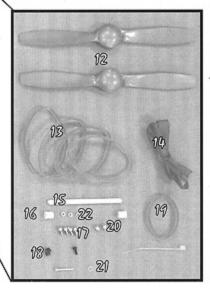


Tools for assembling: pliers, a pince

Tools for assembling: pliers, a pincer pliers, a screw driver, tweezers, a marker, a file, a cutter knife, quick-dry glue, etc.

- 1.Main wing x 1
- 2.Horizontal stabilizer x 1
- 3. Vertical stabilizer x 1
- 4.Fuselage with motor x 1
- 5.Linkage rod x 2
- 6.Landing gear x 1
- 7.Rear wheel x 1
- Servo holder x 1
- 9.Battery protection Styrofoam x 1
- 10.Head protection piece x 1
- 11.Canopy x 1

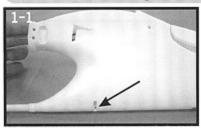
- 12.Propeller x 2
- 13.Rubber band (main wing) x 4
- 14.Ribbon x 1
- 15.Rubber band fixing rod x1
- 16.Fixture for stick x 2
- 17.Set screw (servo) x 4
- 18.Set screw w/nut (Canopy) x 1
- 19.Rubber band (Canopy) x 1
- 20.Set screw (servo holder) x 3
- 21.Pin screw and nut (Tail boom) x 1
- 22.Nut (vertical stabilizer) x 1



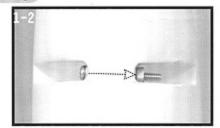
ASSEMBLING

AUG Ti Comonio

1. End tube and pin assembly



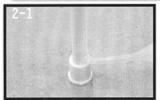
Find the hole for tail boom.



Make pin screw go through fuselage and tail boom. Put nut on.

Note. Ensure the fixing pin is set firmly. The function of fixing pin is to firm the length and angle of tail boom. It is very important and directly related to the stability of tail wings.

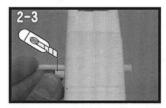
2. Rubber band fixing rod



△ Use quick-dry glue to fix cap.



 Make fixing rod go through fuselage to the bottom firmly.

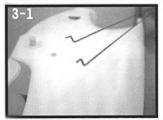


Compare with the other side and cut it for proper length



△ Use quick-dry glue to fix cap on the other side.

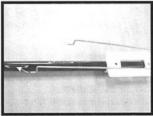
3. Linkage rod and servo



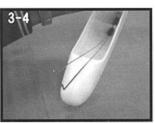
The linkage rods have been formed as Z shape.



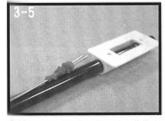
∆ Tie the linkage rods together with a rubber band.



 Insert Z linkage rods to tail boom from two holes on the end.



 Make the rods go through the tail boom.



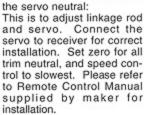
Avoid the linkage rods sliding into tail boom.

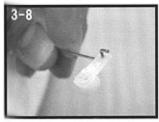


Tie linkage rods together with a rubber band.

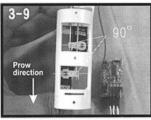


Turn on the machine and set

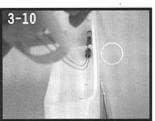




The rod has been formed as z-type.



A set servo rudder and rod at right angle (90°) when servo is set neutral.



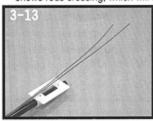
Push servo holder in front of fuselage. Ensure the rods move smoothly. Refer to the above pictures for correct installation. The right side picture shows rods crossing, which will cause unsmooth motions.



Push servo holder into fuselage.



Set the screws from the bottom of fuselage.



△ Undo the rubber band.

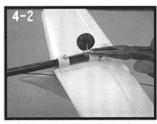
NOTE

The space for setting the linkage rods is limited since the SKYWAVE has smaller tail boom and fuselage than other types. But the assembling can still be quite well by following the procedures step by step.

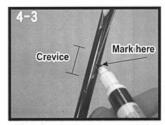
4. Tail wing, rear wheel and linkage rod assembly



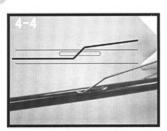
 Assemble vertical stabilizer and horizontal stabilizer.



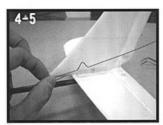
Make screw go through end wing holder and rear wheel to fix them.



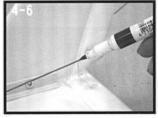
Mark on linkage rod for bending.



 Bend the linkage rod to make driving shaft move smoothly.



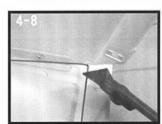
Make a V on linkage rod to adjust its length.



Put servo in center, and set the rudder flat. Mark for distance to assemble.



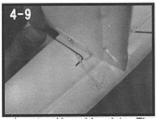
Bend the linkage rod a right angle (90 degree)



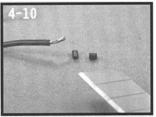
Cut the linkage rod off at about 7mm from the angle.

ASSEMBLING

AUG TO Commo



Insert rod in rudder plate. The hole gets bigger when closer to rudder



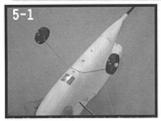
Use isolating tube to stop the wire from sliding out.



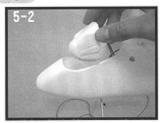
Put isolating tube on rod and glue it.

Note. The rod is 1mm (diagram). Usually it is formed Z-type. However, user may have no tool to shape. We provide isolating tube instead. But do not use too much glue or it will make rudder not able to move.

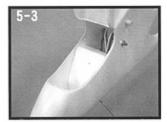
5. The parts for Fuselage



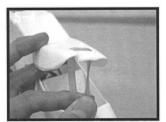
△ Assemble landing gear.



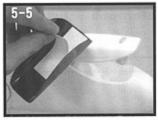
△Put Styrofoam inside the head.



△ Stick Styrofoam plate next to servo holder.



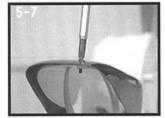
△Put short rubber band on the cabin hole, stretch it to the back.



Follow cabin shape to put the canopy on it.



△Drill a 2mm hole near rubber



Set 2mm screw and nut to keep the rubber band from sliding out.



Pull the rubber band to hold the head from its chin. It is to keep the canopy close on flying

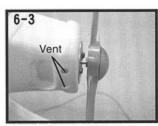
6. Receiver and Power System



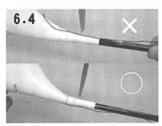
The user can use a different plug for different gearbox.



△ Stick receiver inside fuselage.



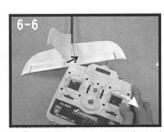
∆Keep propeller a distance from fuselage to avoid interference.



Set the antenna firmly or it will be broken by propeller.



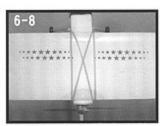
Check for smooth movement for elevator rudder.



Check for smooth motion of direction rudder.



Make rubber band go through propeller then put it on motor holder.



Set main wing and fix it with rubber band.



Put battery in the box.



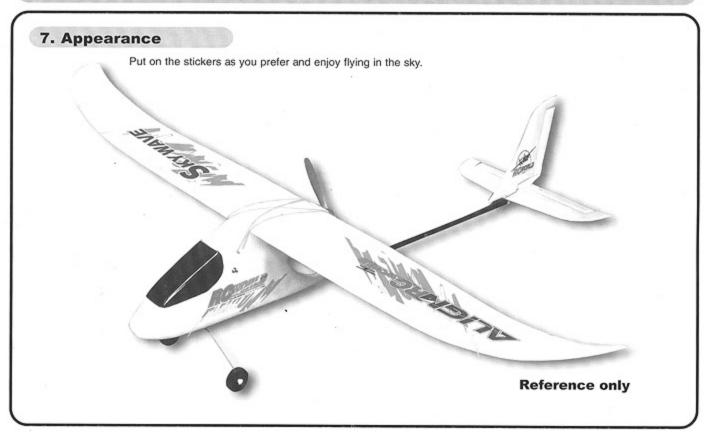
△ Add weight piece about 30g.

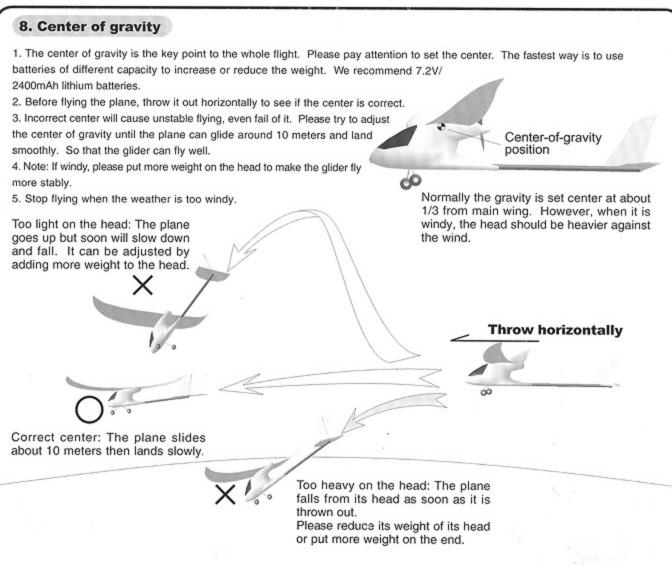
Supplement

Skywave 400LI was originally designed to use Ni-CD battery. For better effect the new design uses a lighter 7.2V/1900mAh. So it

needs to use 30g weight piece for balance.

Another way to balance is to use a Lithium battery with bigger capacity, such as 7.2V/2400mAh which weighs about 120g and no need to put extra weight. It can also flies longer hours more powerfully.





www.align.com.tw