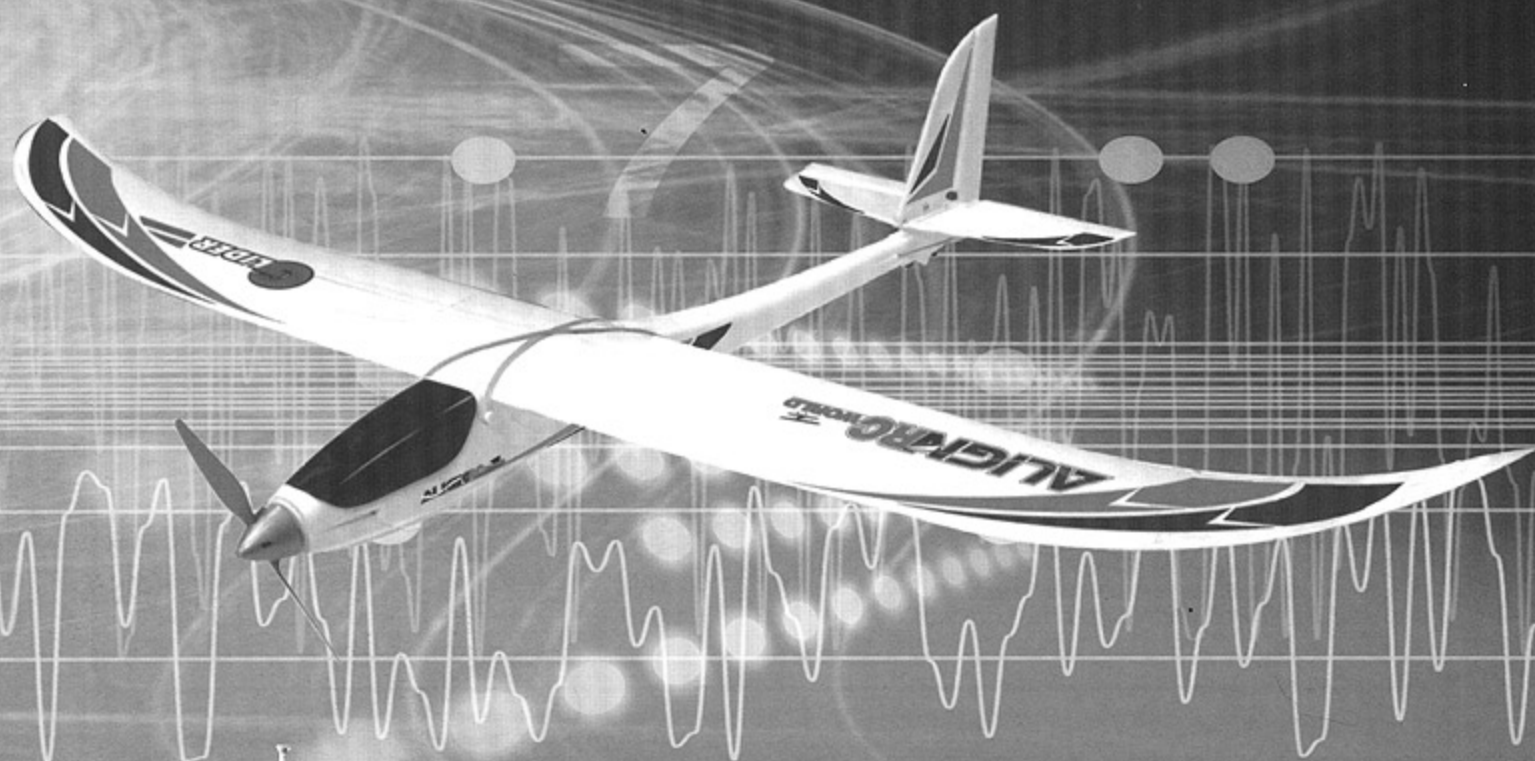


ALIGN RC WORLD

翱翔

MANUAL for GLIDER SUPER



Welcome to ALIGN RC WORLD!

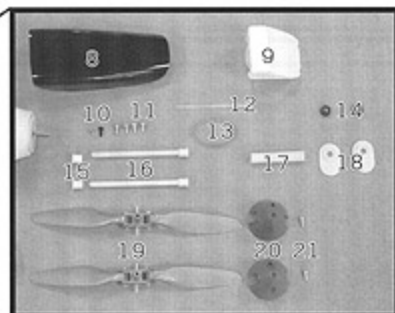
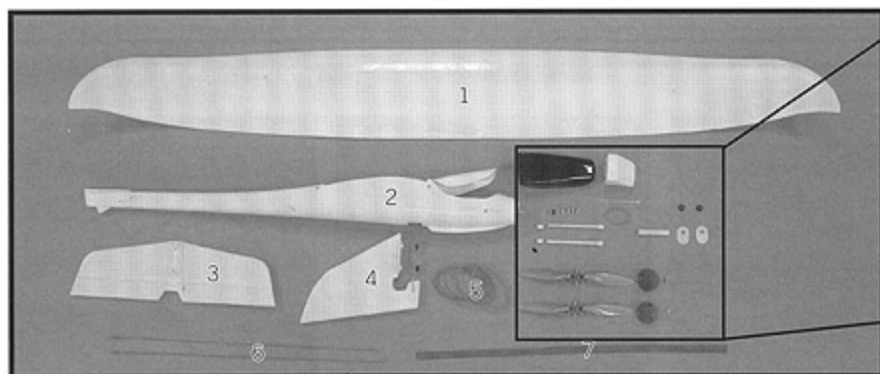
Thank you for buying GLIDER SUPER. The manual is to describe and illustrate the details for parts assembling of GLIDER SUPER remote control glider. Following the procedures step by step, the assembling will be easy and quick.

How to use this manual

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

Preparation

1. Check for all the parts in the list come 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.



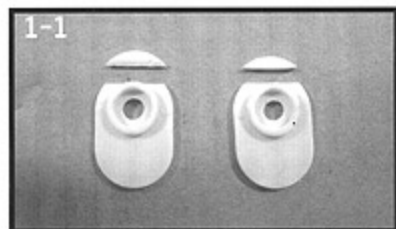
- | | |
|-------------------------------------|--|
| 1. Main wing x 1 | 12. String x 1 |
| 2. Fuselage with motor x 1 | 13. Rubber band (canopy) x 1 |
| 3. Horizontal stabilizer x 1 | 14. Fixing nut (vertical stabilizer) x 1 |
| 4. Vertical stabilizer x 1 | 15. Fixture for stick x 2 |
| 5. Rubber band (main wing) x 4 | 16. Rubber band fixing rod x 2 |
| 6. Linkage rod with end x 2 | 17. Reinforcing tube x 1 |
| 7. Ribbon x 1 | 18. Reinforcing piece x 2 |
| 8. Canopy x 1 | 19. 6x3 propeller x 2 |
| 9. Battery protection Styrofoam x 1 | 20. Spinner x 2 |
| 10. Screw w/nut for canopy x 1 | 21. Spinner screw x 2 |
| 11. Set screw for servo x 4 | |



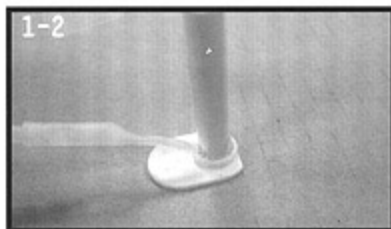
The tools to smooth the assembling: pliers, a pincer pliers, a screw driver, tweezers, a marker, a file, a cutter knife, quick-dry glue, etc.

ASSEMBLING

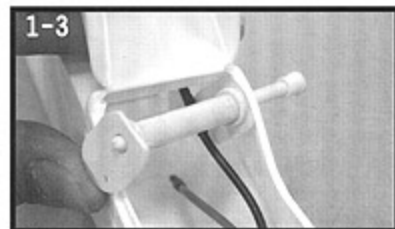
1. Reinforcing tube assembly



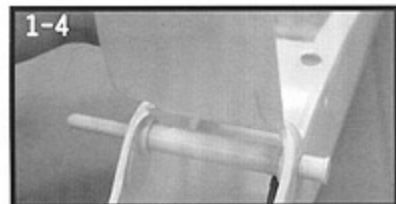
△ Cut unnecessary part to avoid interference. (fig. 1-1)



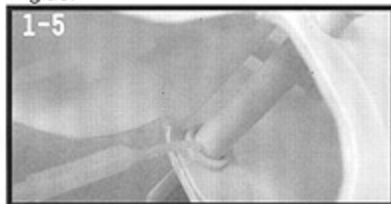
△ Insert the reinforcing tube to a reinforcing piece. Cohere with quick-dry glue.



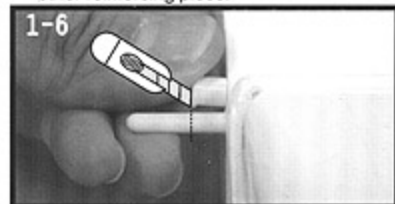
△ Insert rubber band fixing rod into fuselage and get through reinforcing tube. Put on the other reinforcing piece.



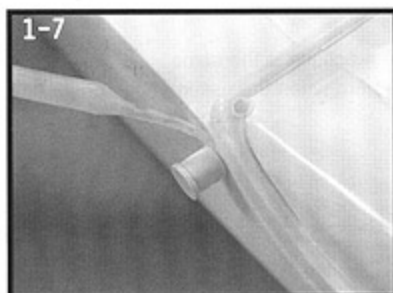
△ Get the fixing rod and reinforcing tube through the other side of fuselage.



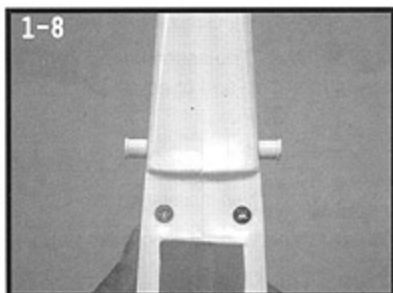
△ Put some quick-dry glue in the reinforcing piece.



△ Cut the fixing rod for proper length.



△ Put fixture on and glue it.

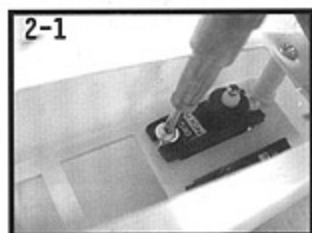


△ Rubber band fixing rod assembly is done.

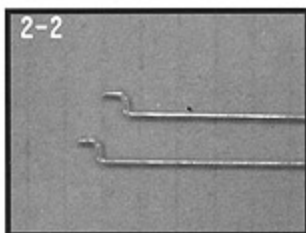
NOTE.

Fixing rod is mostly used for main wing. Rubber bands make high tensile force. It is necessary to put quick-dry glue on fixture or it will escape.

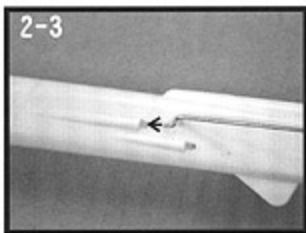
2. Servo and linkage rod assembly



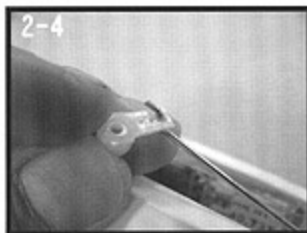
△ Fix 9G micro servo on the holder. Be aware of correct servo direction.



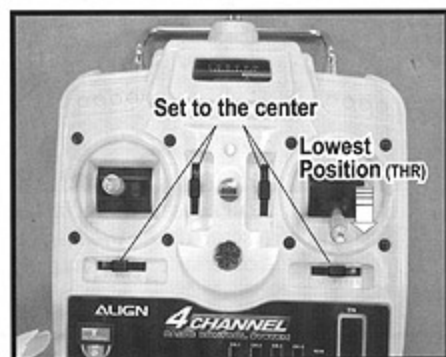
△ Two linkage rods: long linkage rod for height and short linkage rod for direction.



△ Put the linkage rod from upper hole and get it through fuselage.

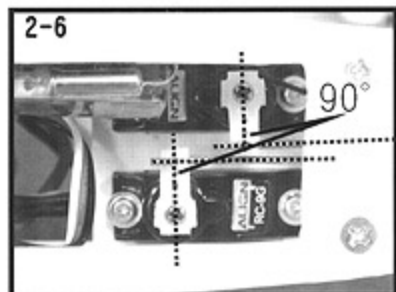


△ Pull linkage rod out from "z" end and insert to servo rudder.



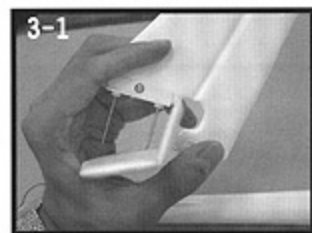
Turn on the machine and set the servo neutral:

This is to adjust linkage rod and servo. Connect the servo to receiver for correct installation. Set zero for all trim neutral, and speed control to slowest. Please refer to Remote Control Manual supplied by maker for installation.

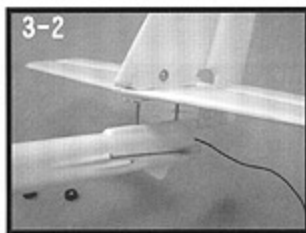


△ set servo rudder and linkage rod at right angle (90°) when servo is set neutral.

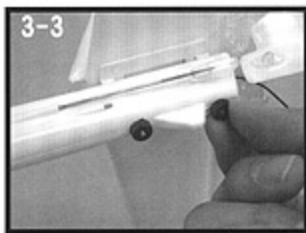
3. Tail wing and linkage rod assembly



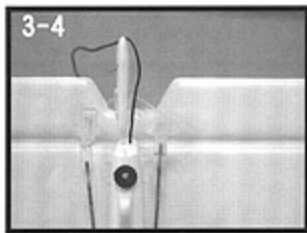
△ Bend the elevator rudder to be 90° going through the flume on direction rudder.



△ Insert long screw to the end of fuselage and fix it.

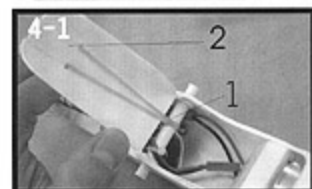


△ Screw on nuts for just tight.



△ Put on linkage rod end and make its length equal to rudder.

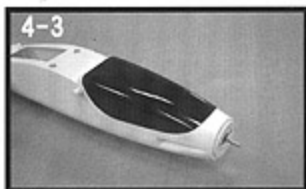
4. Parts for fuselage



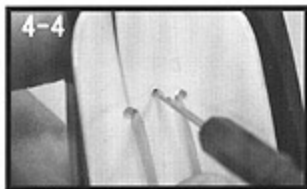
△ Tie up rubber band on reinforcing tube and put it in the hole on cabin.



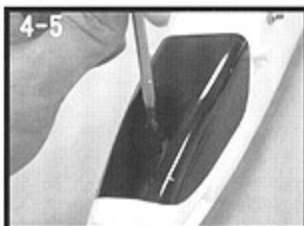
△ Remove the paper on black canopy.



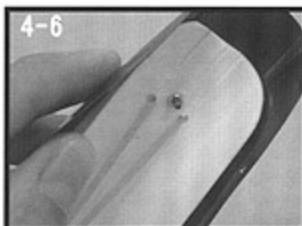
△ Stick the canopy on fuselage.



△ Drill a 2mm hole near rubber band.



4-5
△ Set a 2mm screw on black canopy and also the white canopy.



4-6
△ Set a 2mm nut near rubber band to avoid it from transfigure



4-7
△ The rubber band keeps canopy close.

Supplementary

Use a rubber band to auto-close canopy is a convenient design. But rubber band may loose its elasticity after long. It is better to put another rubber band to secure the canopy especially in a windy weather.

5. Receiver and power System



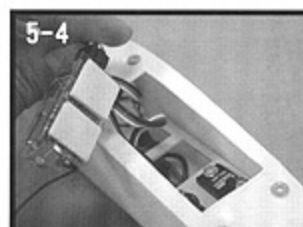
5-1
△ The user can use a different plug for different gearbox.



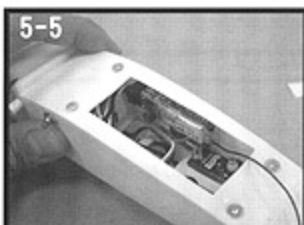
5-2
△ Put protection Styrofoam behind motor to separate with battery.



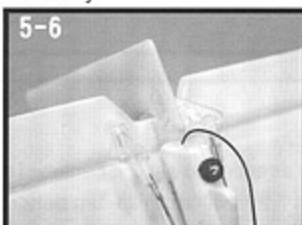
5-3
△ Wipe receiver and fuselage clean.



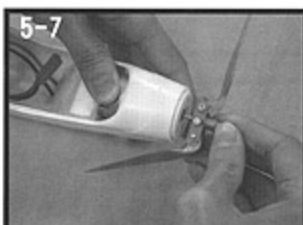
5-4
△ Put sponge stickers on receiver.



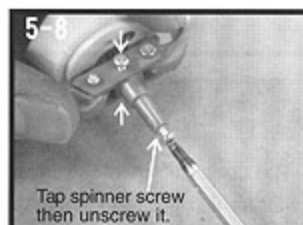
5-5
△ Stick receiver inside fuselage, be aware of interference with servo rudder.



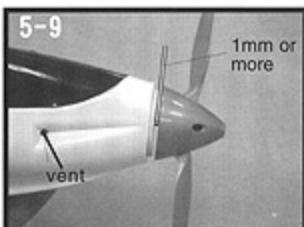
5-6
△ Set antenna through fuselage and out from its rear.



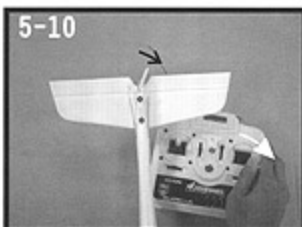
5-7
△ Hold motor with thumb and push propeller into motor shaft.



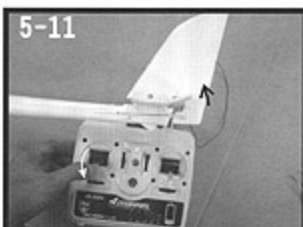
5-8
△ Set the shaft screw firmly. Tap spinner screw then unscrew for latter installation.



5-9
△ Put on spinner at 1mm away from fuselage.



5-10
△ Check for smooth motion of direction rudder.

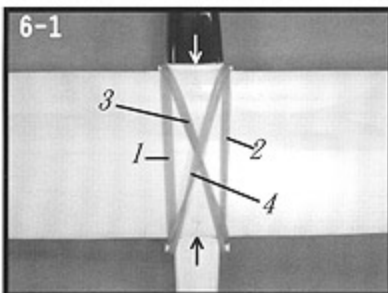


5-11
△ Check for smooth movement for elevator rudder.

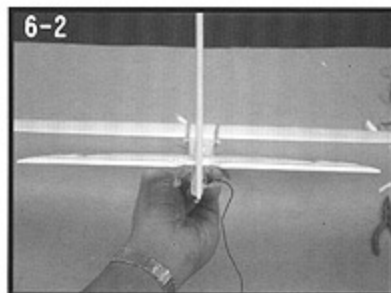
Supplementary:

When the assembly is done, the circuits in the fuselage will be found a mess. No need to clean up or tie the circuits. The extra length is to protect the electric components in case there is a crash.

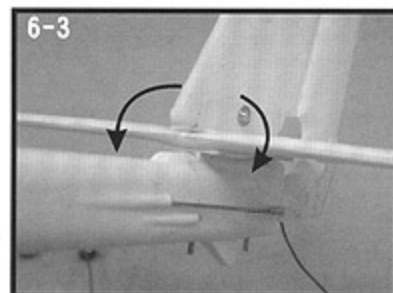
6. Main wing assembly



6-1
△ Aim triangle mark to fuselage center. Tie main wing on fuselage in order.



6-2
△ Parallel vertical stabilizer and main wing.



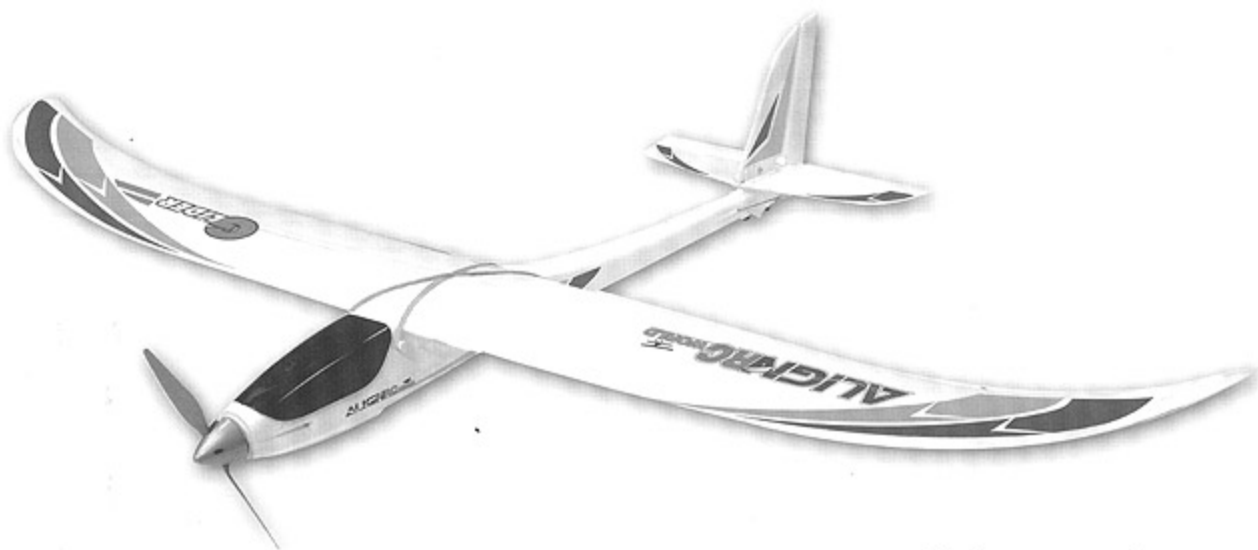
6-3
△ The vertical stabilizer is fixed by 2 long screws, bend the screws can help get parallel.

Supplementary

GLIDER is a small and sleek model. Please keep away from heat to avoid transfiguration.

7. Appearance

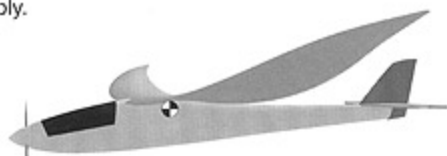
Put on the stickers as you prefer and enjoy flying in the sky.



Reference only

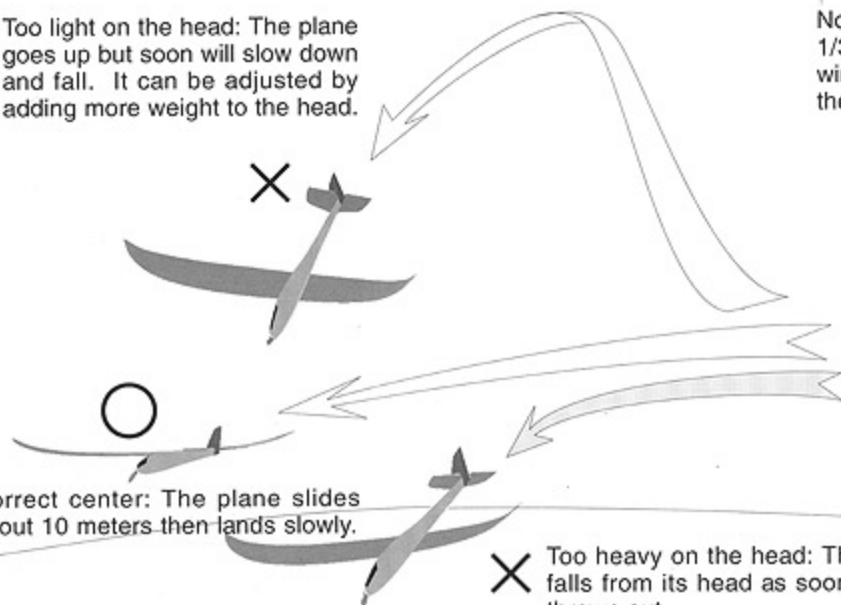
8. Center of gravity

1. The center of gravity is the key point to the whole flight. Please pay attention to set the center. The fastest way is to use batteries of different capacity to increase or reduce the weight. We recommend 7.2V/2400mAh lithium batteries.
2. Before flying the plane, throw it out horizontally to see if the center is correct.
3. Incorrect center will cause unstable flying, even fail of it. Please try to adjust the center of gravity until the plane can glide around 10 meters and land smoothly. So that the glider can fly well.
4. Note: If windy, please put more weight on the head to make the glider fly more stably.
5. Stop flying when the weather is too windy.



Normally the gravity is set center at about 1/3 from main wing. However, when it is windy, the head should be heavier against the wind.

Too light on the head: The plane goes up but soon will slow down and fall. It can be adjusted by adding more weight to the head.



Correct center: The plane slides about 10 meters then lands slowly.

X Too heavy on the head: The plane falls from its head as soon as it is thrown out. Please reduce its weight of its head or put more weight on the end.



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