

# TEKSUMO

## INSTRUCTION MANUAL



### Features:

1. Teksumo is a very popular EPP high speed delta wing for FPV flying. It is most suitable to fly in a large open field.
2. Made of high quality EPP material, it is very strong, durable and easy to fly.
3. Very easy to build, most of the parts are pre-assembled in our factory already.

### Product Specifications

- Fuselage length: 575mm (22.6in .)  
 Wingspan: 900mm (35.4in .)  
 Flying Weight: 500-550g (with battery)  
 Motor: 2208 KV 1370 or Hk2818 KV1350 (Recommend)  
 ESC : 15-20 Amp (Recommend)  
 Propeller: 7050E OR 6050E (Recommend)  
 Servo: 8g micro servo\* 2pcs (Recommend)  
 Radio: 4 or more channels with computer mixing (Recommend)  
 Battery: 11.1 V 800-1200mAh Li-po 20C (Recommend)

Please adjust the C of G (200-212mm) according to the diagram before you attempt to fly the wing. If you do not follow the C of G closely, it will crash or damage to nearby properties or people at your flying field.

The flight performance will be affected by adding extra weight on the Teksumo. So you should reduce any unnecessary weight while assembly. Then you'll get the best flying performance!

### Recommended Flying Setup

Max servo travel of aileron: 15 degrees up and 15 degrees down (28mm)

Max servo travel of elevator: 15 degrees up and 15 degrees down (28mm)

### Do not fly under the conditions as below :

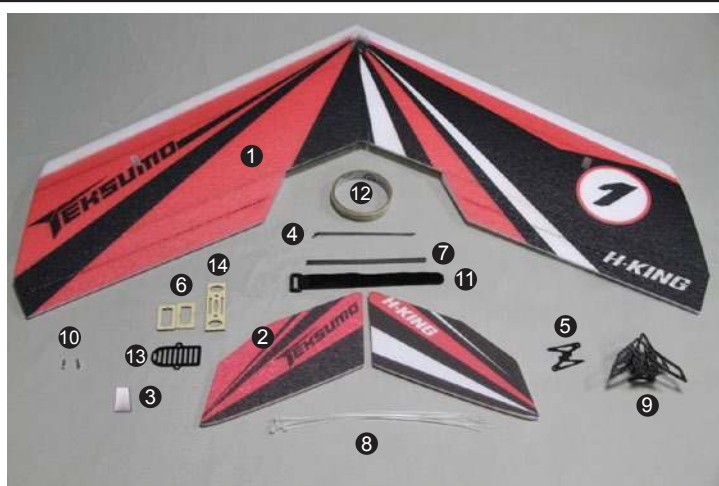
Wind strong enough to make the trees rustle  
 A street with many trees or street lamps  
 Close to high voltage electrical wires  
 High Population density areas .

### Cautions for flying

Large gyms, front lawns and parks make excellent flying areas. Make sure you have permission to fly and follow safety guidelines set by local authorities. The calmer the wind, the better!

### Note for Storage

Please disconnect the lipo packs when finished flying. Do not press or crush the airplane when storing . The best way to store is to hang the airplane to keep the control surface rigid .

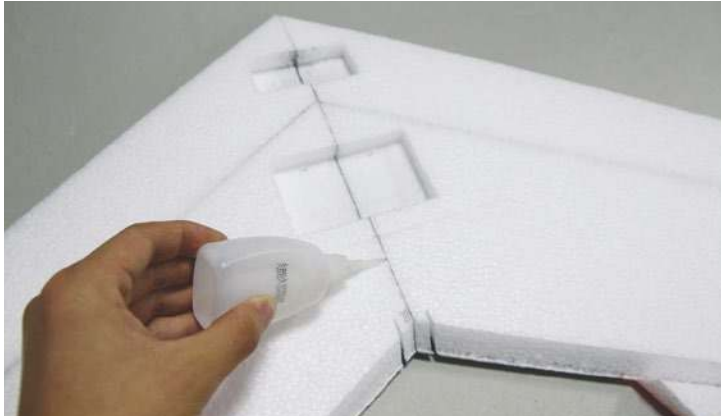


### Parts included in the packing

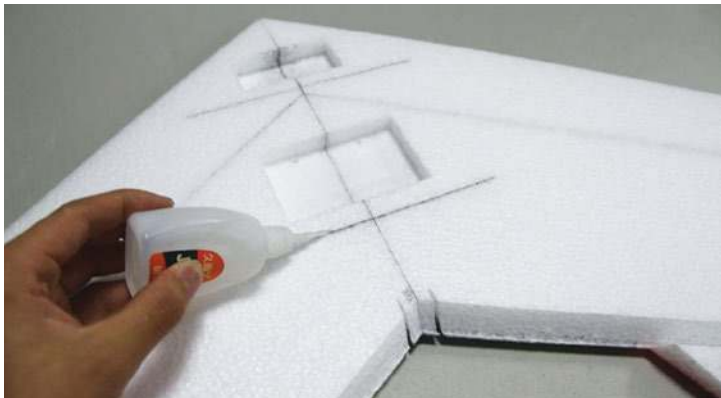
- |   |       |
|---|-------|
| 1. Wing (right and left) .....  | 2 pcs |
| 2. Wing fences .....  | 2 pcs |
| 3. EPP skid .....   | 1 pc  |
| 4. Z bend pushrods .....  | 2 pcs |
| 5. Control Horns .....  | 2 pcs |
| 6. Servo mounts .....   | 2 pcs |
| 7. Carbon rods .....  | 3 pcs |
| 8. Zip ties .....   | 4 pcs |
| 9. Motor mount .....  | 1 pc  |
| 10. Push rod connector .....  | 2 pcs |
| 11. Battery velcro strap .....  | 1 pc  |
| 12. Fiberglass tape .....   | 1 pc  |
| 13. Carbon composite board for Video Camera ---<br>(Video camera is not included) | 1pc   |
| 14. Battery tray .....  | 1pc   |

# ERSUMO

## The items below are required for assembly

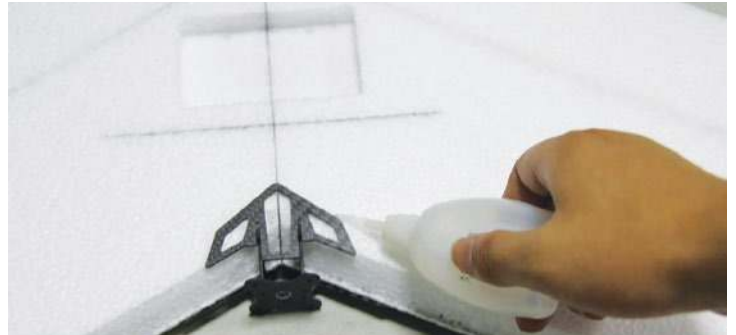


1. Find a flat work bench and place both L & R wings on top. Align the wing properly and glue it together with CA glues shown. Use a straight edge and place on top of the wing to check while the glue set to ensure the wing is perfectly flat.



2. There are 3 carbon rods supplied in the kit to reinforce the wing joint. Install 2 carbon rods into the pre-cut slot which located top and bottom as shown in picture. Then locate the third carbon rod to the wing bottom as shown. Add CA glue into the slot and let it dry.

3. Please ensure the motor mount is true and levelled with the plane axis. The motor thrust angle should be aligned to the wing axis otherwise it will affect the flying performance. Once satisfied about the fit, apply CA glue to secure it in place.



4. Install the battery holder with velcro tape to the wing and secure it by using CA glue.



5. Insert the supplied zip tie to the pre-cut hole of the wing. These zip ties will hold your ESC and RX in the recess area as shown.



6. Install the pushrod connector onto the farthest hole

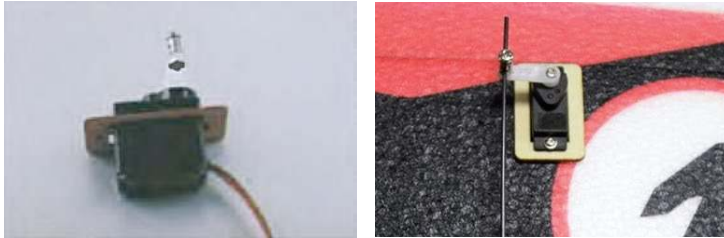


on the servo arm from the servo output axis. Then install the servo arm onto the servo, please ensure the servo arm is in neutral position. once satisfied the setup, tightened

the servo horn screw by a Philips screw driver. Please follow the same steps for the other wing servo.



7. Apply CA glue to the servo mount and secure it into place as shown. Install servo onto the servo mount. Use two self-tapping screws to secure the servo into place.



8. Use a straight edge to find out the best possible location to install the control horn. The pushrod needs to be perpendicular to the servo and in line with the servo horn. The holes on the control horn should align with the hinge line to ensure the travel throws are symmetrical. Once satisfied about the fitting, use a pen to mark it and cut a slot just big enough to snug fit the control horn. The control horn orientation should be positioned as shown.



9. Hook up the control linkages which are supplied in the kit. Tighten the screw on the pushrod connector and apply Loctite to prevent from coming loose in flight.



10. Use a pliers to cut off the excess and use a file to round off the edges.

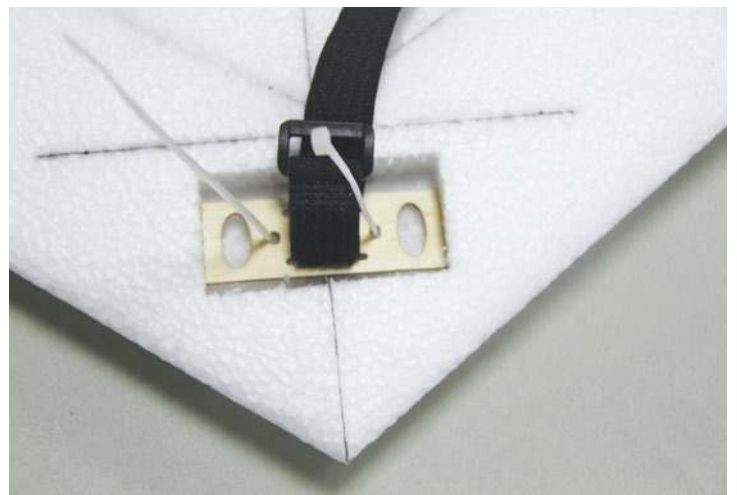


11. Use a pen and a straight edge to draw a line first from the servo opening on the wing to the mid section of the wing and then cut a slot as shown to insert the servo lead. Note: The length of the servo leads may not be long enough so add two servo extension leads accordingly on both side of wings.



12. As the picture shown, use a knife to cut a servo wire slot, so that the wire can be easily reached to the equipment compartment, then insert the servo wire into the pre-cut slot.

Attention: A Y-type servo lead is not applicable to this flying wing. A computer radio with delta wing mixing capabilities is suggested to use on this model.



# TEKSUMO

13. Connect the esc and motor, but please confirm the direction of motor rotation before flying.

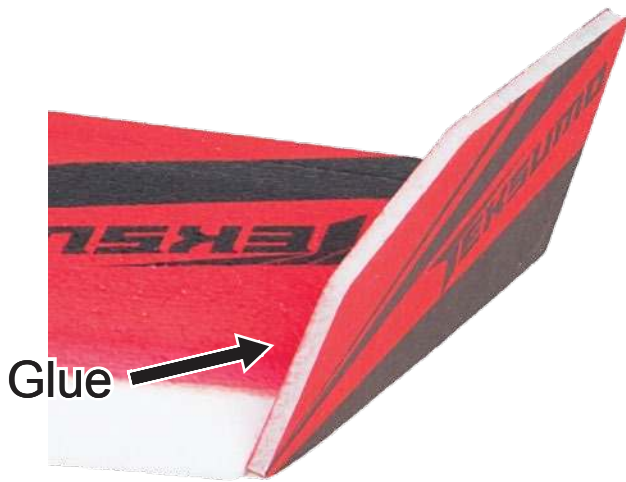
14. Connect the servo plug and esc plug to the receiver, and then test, finally using the plastic band to fix the receiver into the equipment compartment.



15. Install the EPP skid onto the nose of the flying wing so that it can prevent from damaging the battery or receiver upon landing. Fix the battery by using velcro strap.



16. Install the fins on both wing tip and secure it with CA glue.



## FINISHED PRODUCT



**NOTE:** Please adjust the C of G (200-212mm) according to the diagram before you attempt to fly the wing. If you do not follow the C of G closely, it will fly in an uncontrollable manner and it may also causes plane crash or hitting someone or any properties nearby the flying field.

The flight performance will be affected by adding extra weight on the Teksumo. So you should reduce any unnecessary weight while assembly. Then you'll get the best possible flying performance!



17. A roll of fiberglass tape is supplied in the kit.



Please use it to reinforce the leading edge of the wing and some of the areas on the wing that need to be reinforced.

## ENJOY!