

Before operating this unit, please read these instructions completely.

Sport Popwing-EPP

Instruction Manual



Features:

1. Upgraded and sport version of our popular Popwing.
2. Easier installation and fly faster than Popwing, great for outdoor flying.
3. Made of high quality EPP material, it is very durable and easy to fly.

Product Specifications

Fuselage length: 485MM (19.1in.)
Wingspan: 900MM (35.4.)
Flying Weight: 340-360G (with battery)
Motor: AS2208 KV1370
ESC: 20 Amp
Propeller: 7050
Servo: 8g micro servo*2pcs
Radio: 4/more channel
Battery: 11.1V 1000mAh Li-po

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

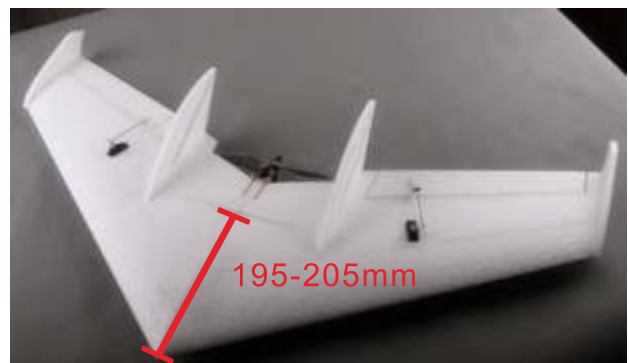
Please disconnect the lipo packs when finished flying
Do not press or crush the airplane when storing
The best way to store is to hang the airplane to keep the control surface rigid

Recommended Flying Setup

Max servo travel of aileron: 30degrees up and 30 degrees down (25mm)

CG Position:

195-205mm away from the nose



Notice: Not toys, only for people 14-year old or above.

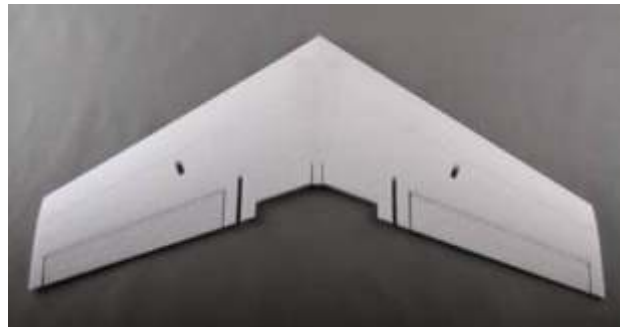
Parts included in the packing



- | | |
|---------------------------|------|
| 1.Wing | 1pc |
| 2.Rudder | 2pcs |
| 3.Motor mount | 1pc |
| 4.Euqipment cabin parts | 1pc |
| 5.Fiberglass control horn | 2pcs |
| 6.Motor fixing screws | 4pcs |
| 7.Pushrod | 2pcs |
| 8.Wing reinforcing rod | 2pcs |
| 9.Wing fence | 2pcs |
| 10.Skid | 2pcs |



Glue left and right wings together.



Finished picture.

The items below are required for assembly

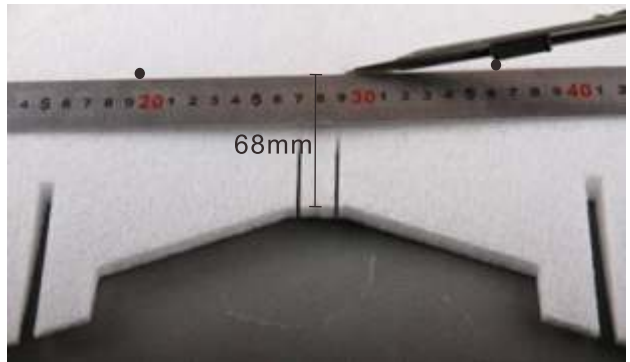


Wing reinforcing rods

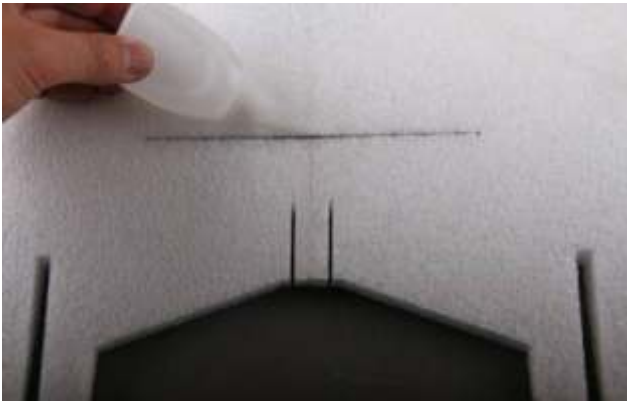
Assembly steps



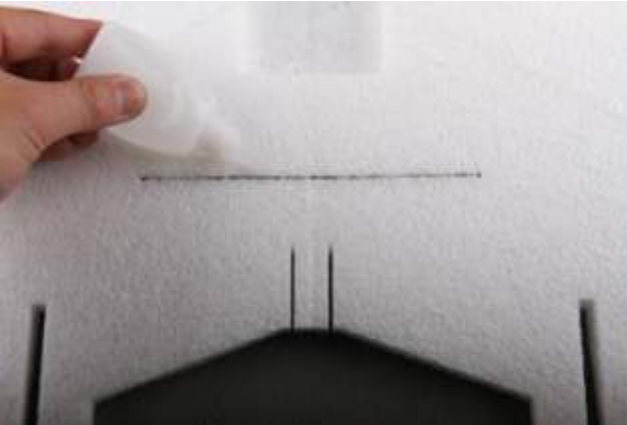
Left & right wing



Cut one slot for embedding reinforcing rod on top and bottom wing.



Glue the parts according to above picture.

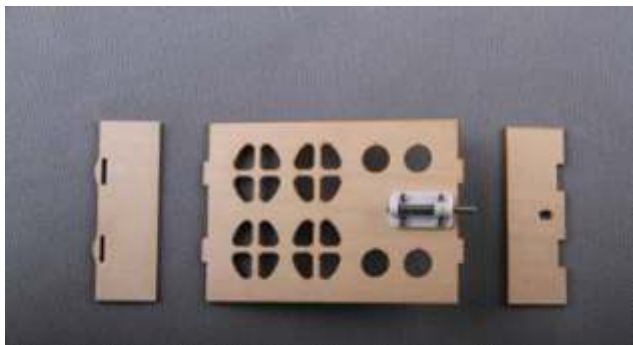


After glue them together, then close the equipment cover.

Embed reinforcing rods into the top and bottom slot, then fix with glue.



Finished picture.



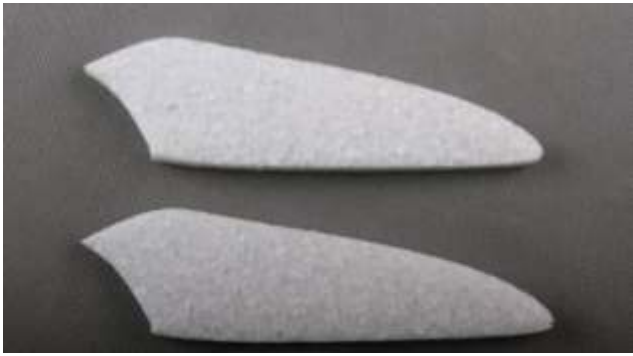
Equipment cabin parts



Motor mount



Insert motor mount into pre-cut slot on bottom wing and fix with glue.



Wing fences



Insert rudder into pre-cut slot on wing and fix with glue.



Install wing fences on wing tips with glue.



Finished picture.



Finished picture.



Rudder



Skid



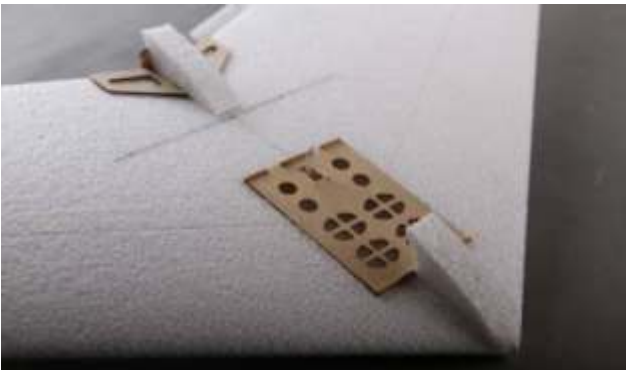
Fix the foam skid on bottom of nose with glue.



Fix motor on motor mount with mounting screws.



Fix another foam skid on bottom of motor mount with glue.



Finished picture.



Motor finished picture.



Finished plane kit picture.

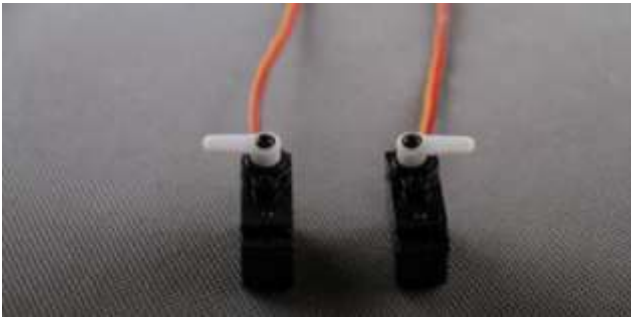


8g servo



AS2208 KV1370 7*5 propeller

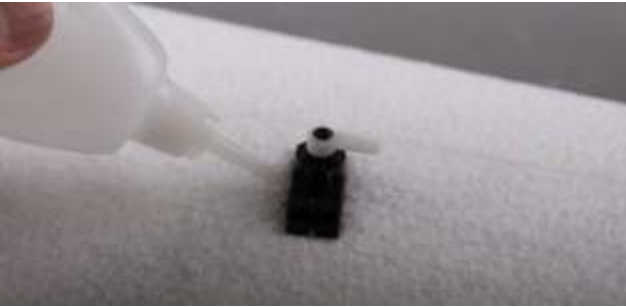




Install servo arm as picture shown.



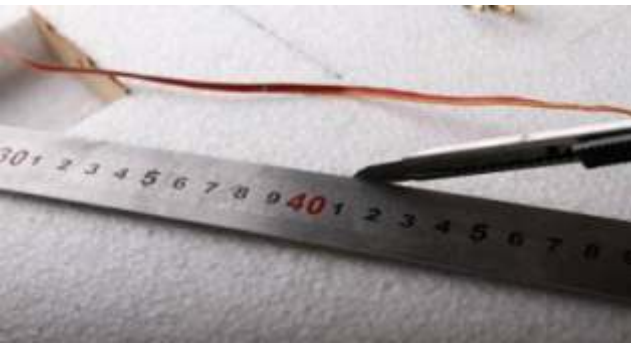
Assemble control horn as picture shown.



Put servo into servo house, then fix with glue. (make sure servo leads pass through the servo hole)



Cut a slot on ailerons along the ruler as per picture shown.



Then cut a slot on bottom wing for embedding the servo leads.



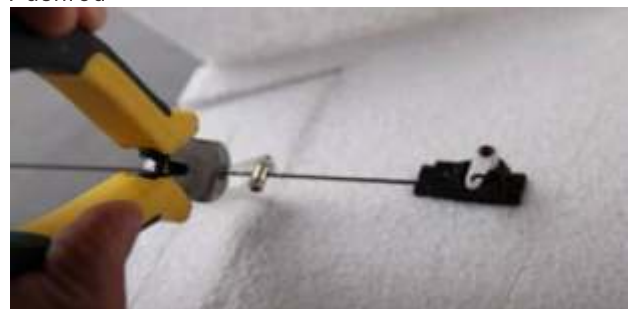
Install the control horn with glue.



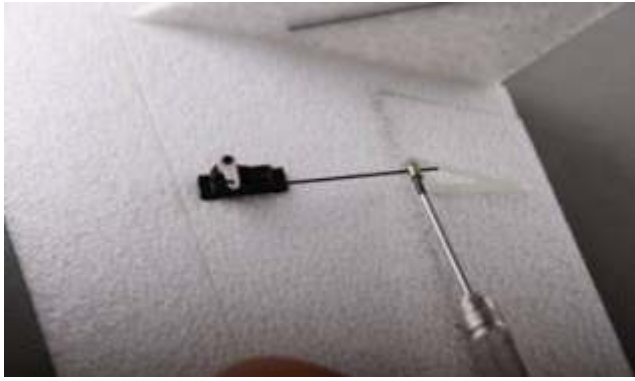
Pushrod



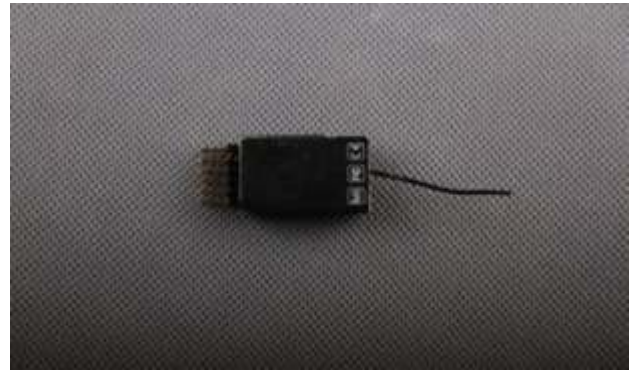
Embed the servo leads into slots.



Connect the pushrod with servo arm and adjuster on control horn, and keep aileron surface flat, then cut the excess part.



Screw down the screw on adjuster.



Receiver



Finished picture.



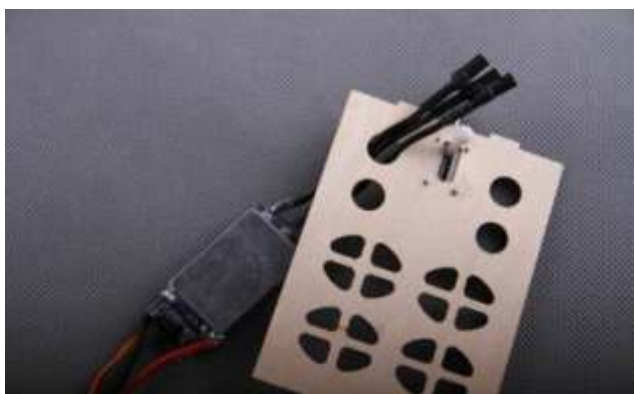
Connect servo and ESC to receiver.



20A ESC



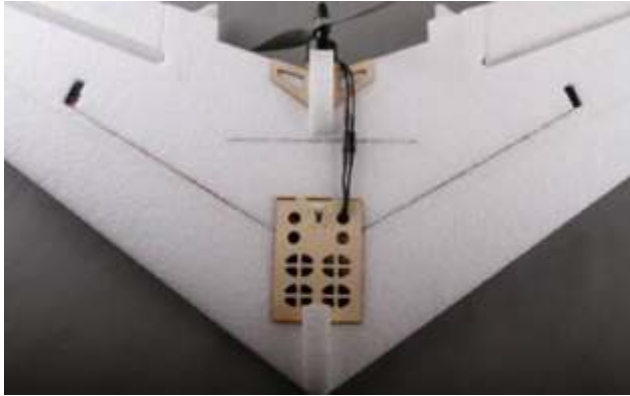
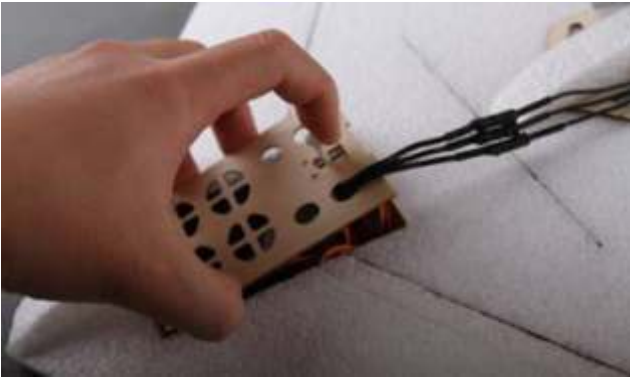
11.1V 1000MAH 3S



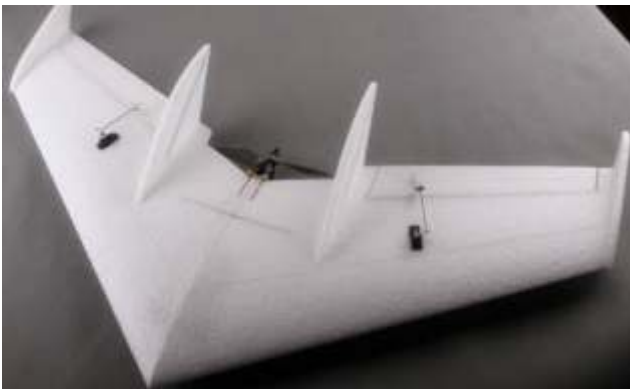
Pass ESC leads through the hole on equipment cover.



Put electronics into equipment cabin in order.



Finished picture.



Complete plane kit picture.

A perfect Sport **Popwing** is done after your careful assembly. While assembly, the flying weight is really critical to the flight performance and will be affected by adding weight, so you should reduce any unnecessary weight while assembly. Then you'll get the best flying performance.