Before operating this unit, please read these instructions completely.

Mini Popwing

Instruction Manual

Features:

1. Mini popwing is a very popular EPP flyingwing, it is suitable for indoor and outdoor flying.
2. Made of High quality EPP material, it is very strong , durable, easy to fly .
3. Very easy to build , because most of the parts pre-assembled in our factory already . You will see it from the attached files.

Product Specifications

Fuselage length: 383mm (15.0in.)
Wingspan: 600mm (23.6in.)
Flying Weight:100--140g (with battery)
Motor: AT1306 KV 3200
ESC: 6-8 Amp
Propeller: gws 5030
Servo: 3-4g micro servo * 2pcs
Radio: 4/more channel
Battery: 7.4V 300-600mAh Li-po 20C

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

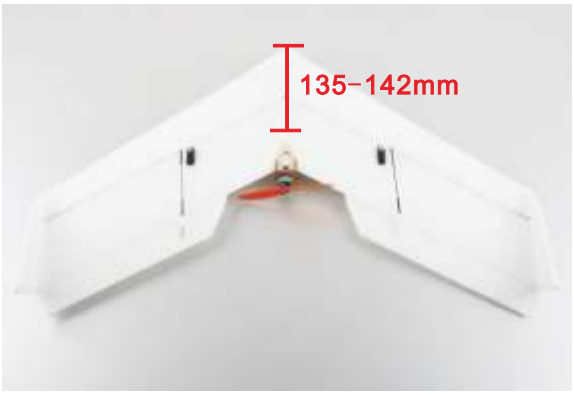
Please disconnect the lipo packs when finished flying.
Do not press or crush the airplane when storing.
The best way to store is to hang the airplane to keep the control surface rigid

Recommended Flying Setup

Max servo travel of aileron: 15degrees up and 15degrees down (13mm).
Max servo travel of elevator:15 degrees up and 15 degrees down (13mm).

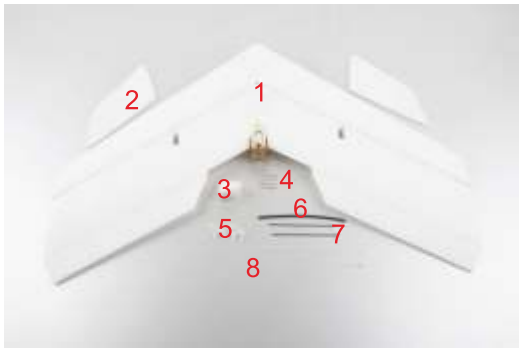
CG Position:

135-142mm from the leading edge of the wing



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

parts included in the packing

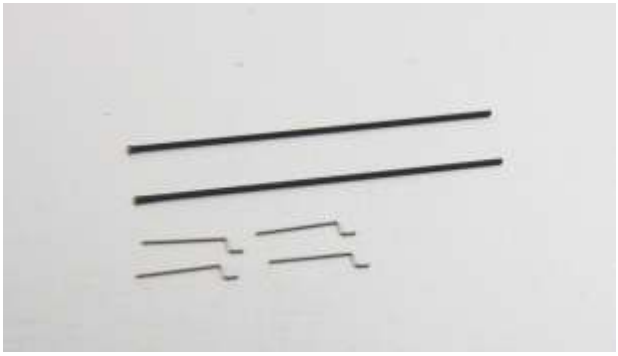


1.Wing(right and left)	1pcs
2.Wing fences	2pcs
3.Epp skid	1pcs
4.Z bend	4pcs
5.Horn	2pcs
6.Heat-shrink tube	1pcs
7.Carbon rods	2pcs
8.plastic band	2pcs

The items below are required for assembly

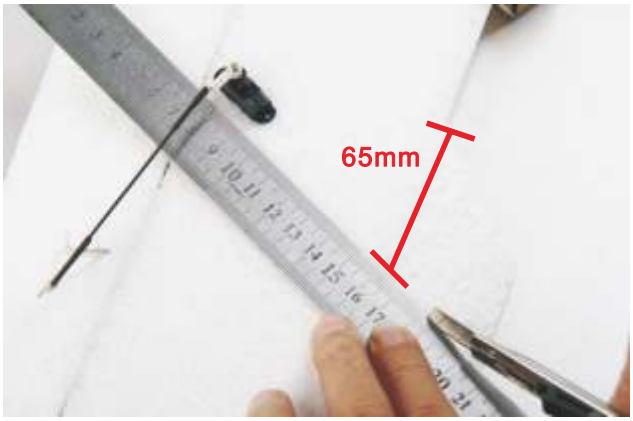
1.Install the servo arm onto the Servo , pls make sure the servo arm is in the neutral position.

2.Pls install the servo into the pre -cut servo hole , and then by using CA to glue

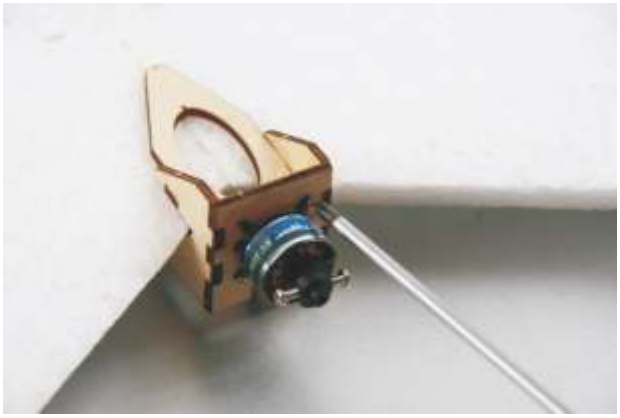


3.Cut the heat shrink tube into 4pcs (20mm length of each piece), using the electric iron tool to heat the zbend and carbon rods.

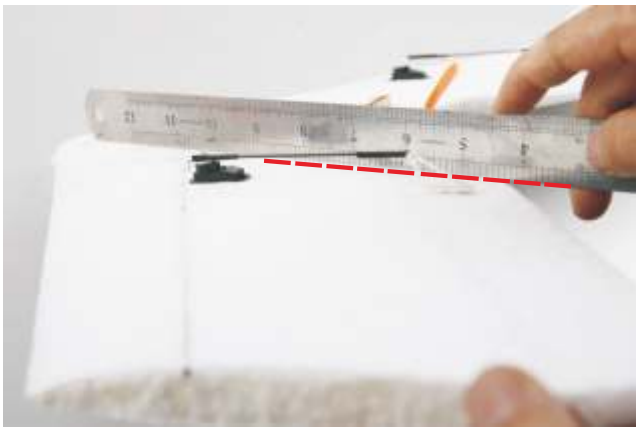
4.Install the made pushrods onto the servo arms , moreover, install the control horn on the other side of the Zbend.



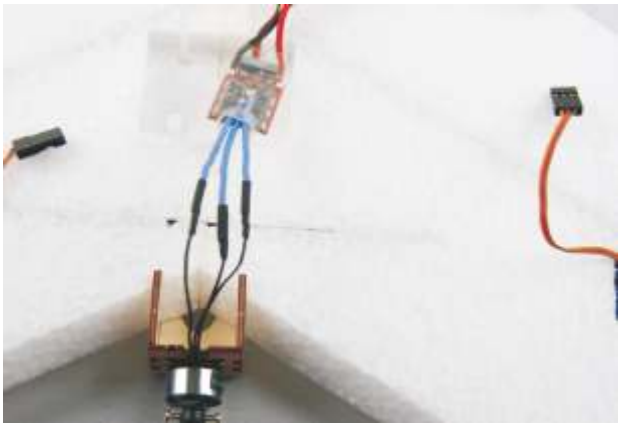
5.Pls cut a slot by using knife as the picture shown , it's convenient for installing the control horn.



8.Install the motor by using the self- tapping screw which included into the motor parts bag.

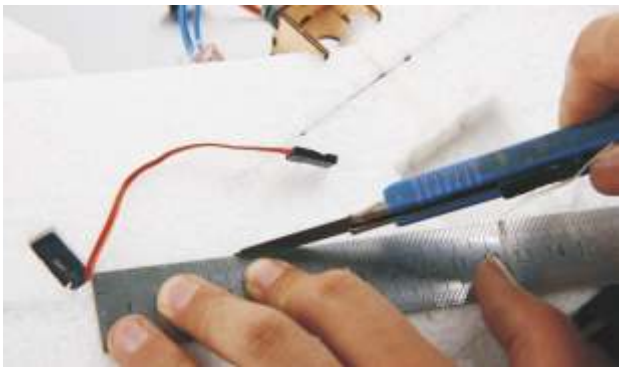


6.Pls make sure the control surface and the upper surface should be in a line before glue the control horn , can not be bend up and down.

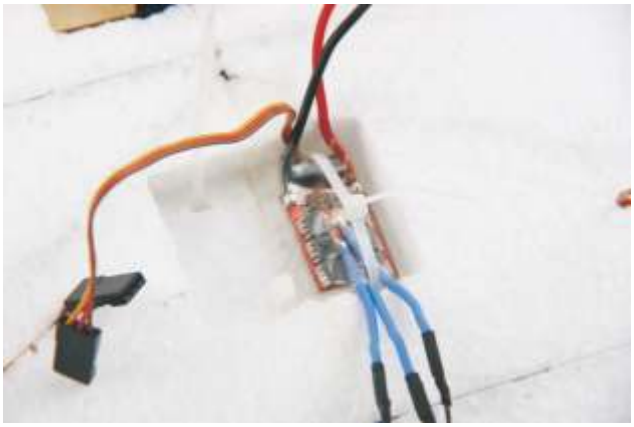


9. Connect the ESC and motor , Optional connect method :
1. connect by using 2mm bullet connecter, it's convenient for take-down and assembly .
2. Welding directly , but pls confirm the the direction of motor rotation.

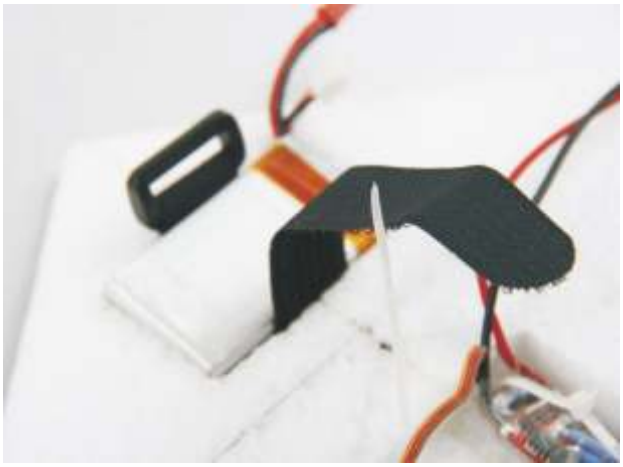
7.Insert the control horn into the pre -cut slot , and then glue by using CA .



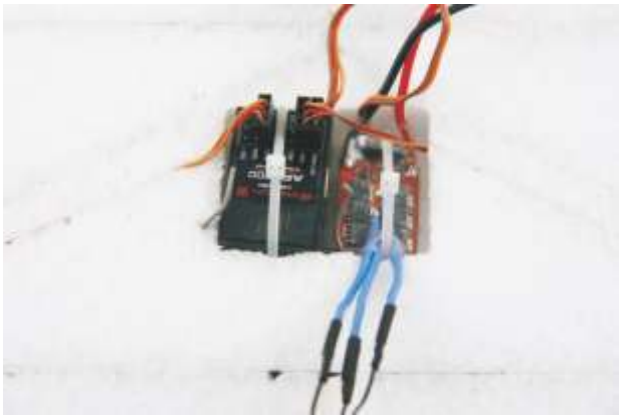
10. As the picture shown , using a knife to open a servo wiere slot , so that the wire can easily reach to the equipment compartment , and then put the servo wire into the pre-cut slot.
Attention: 1. pls using the servo extension wire for the servo wire is not long enough.
2.Can not use Y harness, pls set the mix control for the aileron and the elevator.



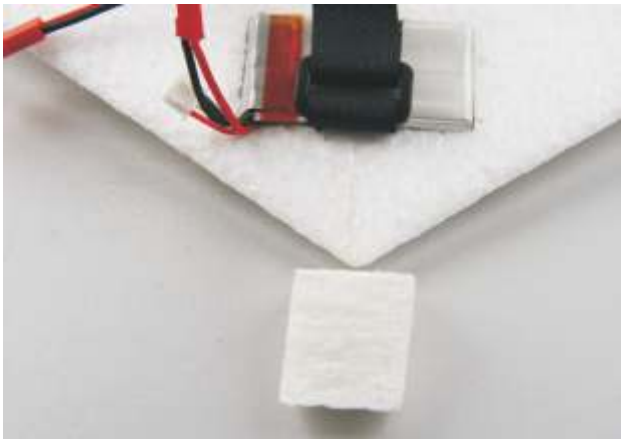
11. Fix the ESC by using the plastic band , as the picture shown .



12. Fix the battery by using velcro.



13. 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.



14.Glue the epp skid onto the nose of the flying wing , so that can prevent from damaging the Battery or receiver upon landing.

15.Glue the two wing fences by using CA.

16.Fix the propeller by using O-ring.

17.PIs make sure to adjust the CG (135-142mm) of the flying wing before fly it , because the CG is very improtant to the flying wing.

A perfect mini 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.

This tape for you repairing or reinforcing the plane.