

Before operating this unit, please read these instructions completely.

EPP-P51D

Instruction Manual



Features:

1. Epp-P51D is epp fun fighter for 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: 680mm (26.8in.)
Wingspan: 840mm (33.0in.)
Flying Weight: 320-350g (with battery)
Motor: T2208 or T2212
ESC: 15-20Amp
Propeller: GWS 8040
Servo: 8g micro servo * 3pcs
Radio: 4/more channels
Battery: 11.1V 600-1000mAh 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

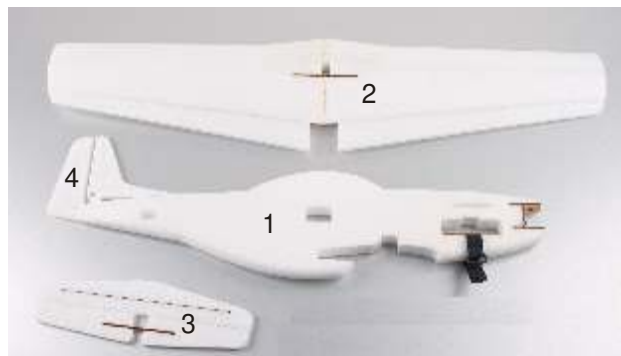
Max servo travel of aileron: 15 degrees up and 15 degrees down (8mm)
Max servo travel of elevator: 15 degrees up and 15 degrees down (10mm)
Max servo travel of rudder: 20 degrees left and 20 degrees right (15mm)

CG Position:

45-53mm from the leading edge of the wing.

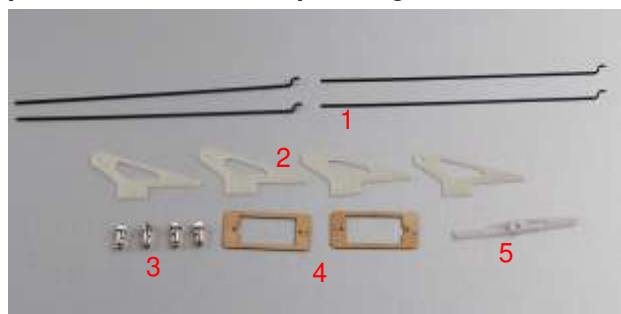


Body parts included in the packing



- | | |
|--------------------------|------|
| 1 Fuselage | 1pcs |
| 2 Wing (right and left) | 1pcs |
| 3 Elevator (stabilizer) | 1pcs |
| 4 Rudder (vertical tail) | 1pcs |

parts included in the packing



- | | |
|-----------------------|------|
| 1 Z bend 1.2mm*120mm | 4pcs |
| 2 Horn | 4pcs |
| 3 Pushrod connector | 4pcs |
| 4 Servo Mount | 2pcs |
| 5 Extension servo arm | 1pcs |

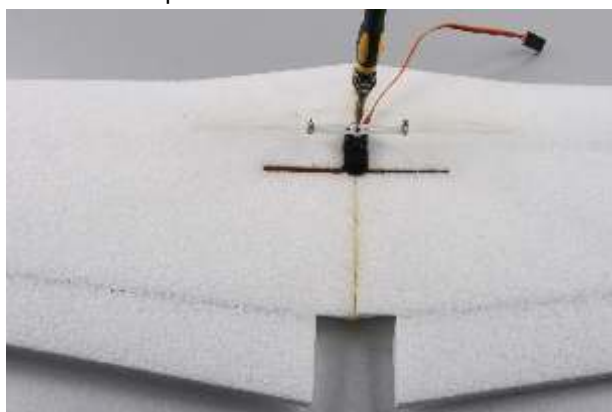
The items below are required for assembly



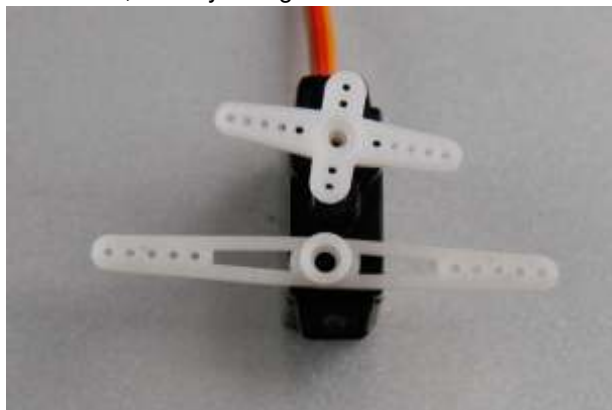
1. Use the reamer to expand the hole of the extension servo arm, in order to install the pushrod connector.

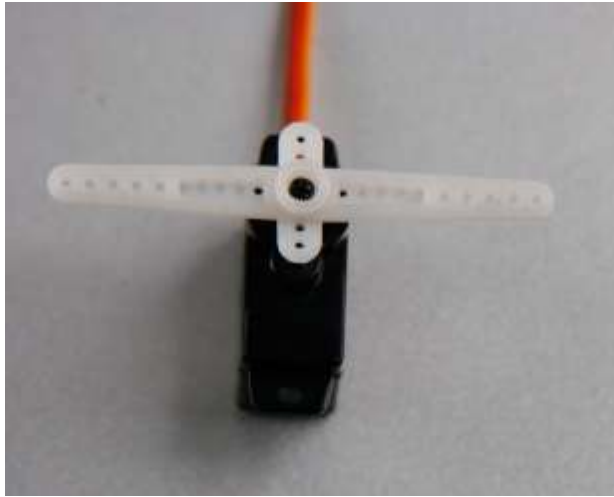


2. Install the pushrod connector.



3. Put the servo into the servo hole of middle of the wing, and then install the pushrod connector onto the servo, fix it by using screws.

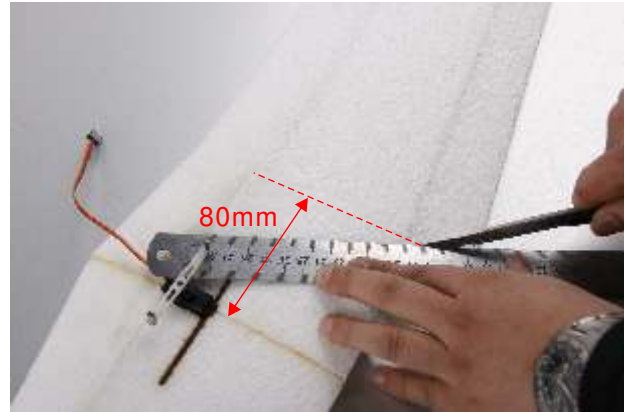




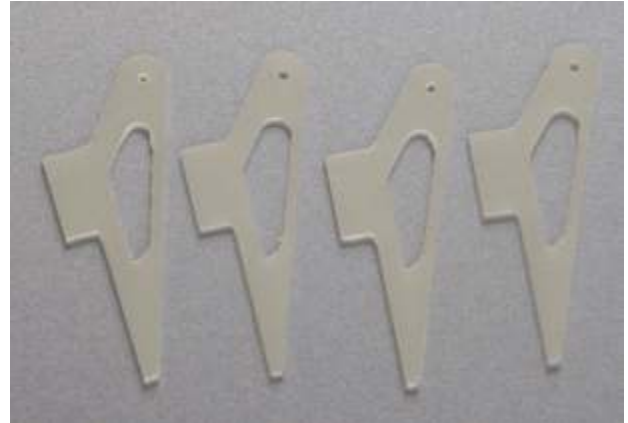
4.If the pushrod connector gear do not match with the servo gear , pls use the above methods to adjust so as to make it suitable.



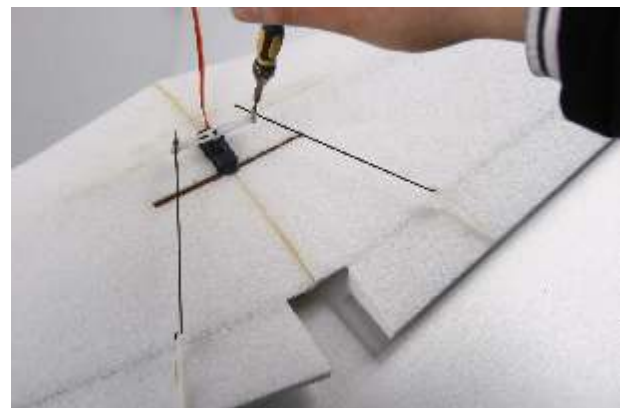
5.Glue the servo into the servo hole by using CA .



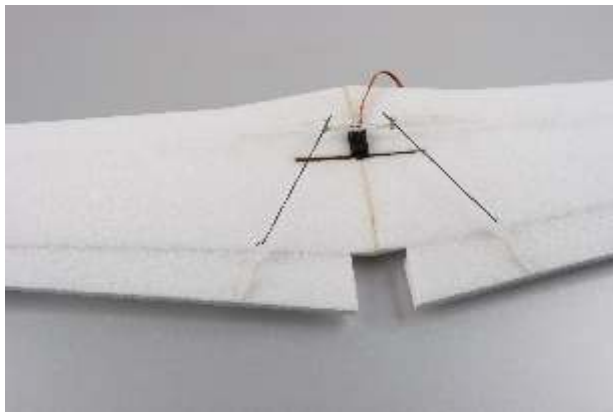
6.Use a knife to cut a horn slot so as to install the servo .



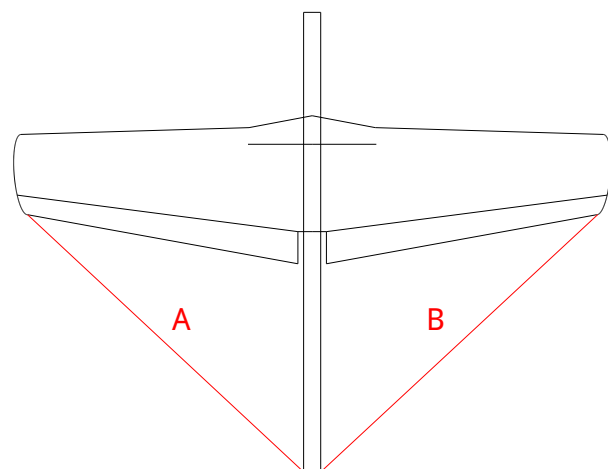
7.Firstly install the z-bend into the horn ,and then glue the horn into the pre-cut slot.



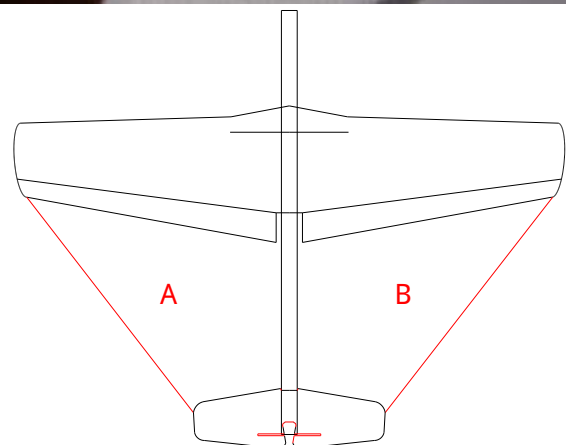
8.Use a screwdriver to tighten the screw of the pushrod connector.



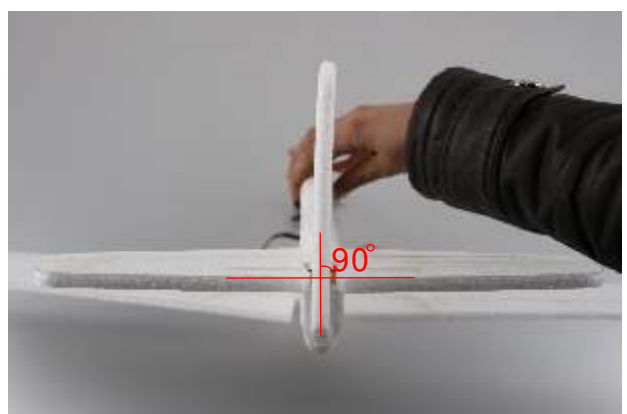
9. Use same method to install the horn and pushrod of the left and right aileron



10. Glue the wing and the fuselage joined, each conjunction should be glued together. Pls make sure A=B.



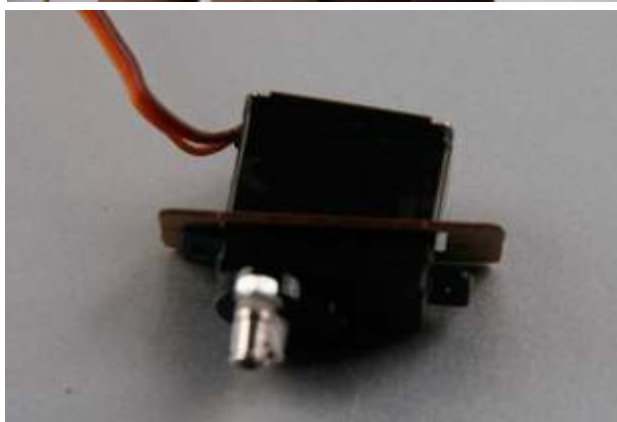
11. Glue the horizontal stabilizer, pls make sure A=B.



12. Glue the vertical stabilizer into the fuselage.



13. Install the servo arm.



14. Install the pushrod connector into the servo arm , and then put the horn onto the servo.



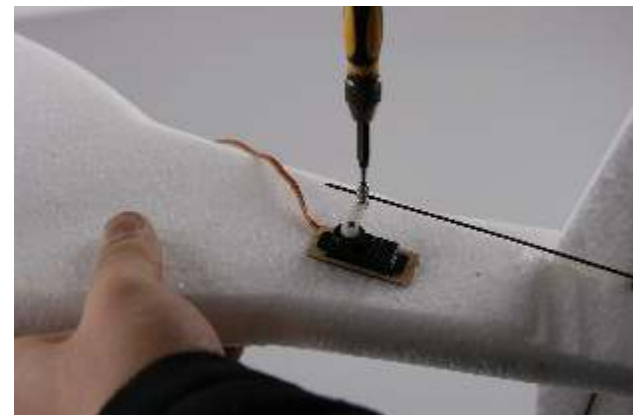
15. Glue the servo mount into the servo hole of the fuselage by using CA.



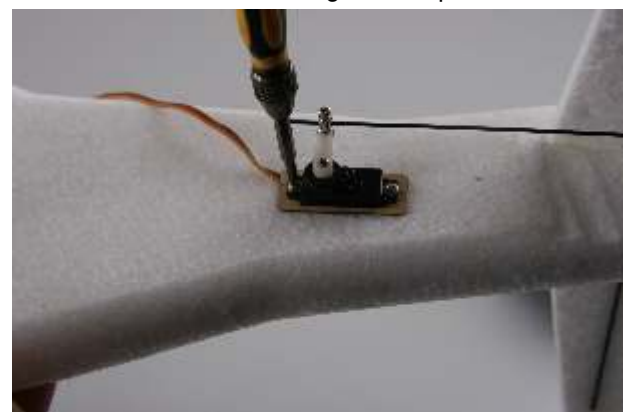
16. Use a knife to cut a elevator servo slot



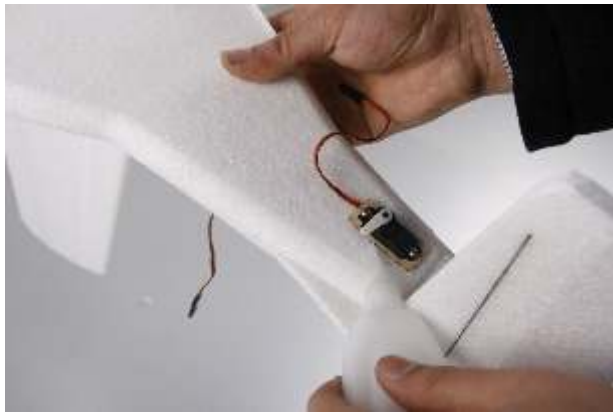
17. Install the elevator horn and pushrod , the method is same as installing aileron horn and pushrod .



18. Use the screwdriver to tighten the pushrod screw.



19. Install the servo into the servo mount by using the servo screw which included into the servo bag.



20. Install the rudder servo, horn and pushrod, the method is same as installing elevator servo, horn and pushrod .



21. Connect the motor and ESC , Pls make sure the motor running direction is correct , if not , pls discretionarily exchange any two wires of the three Wires .



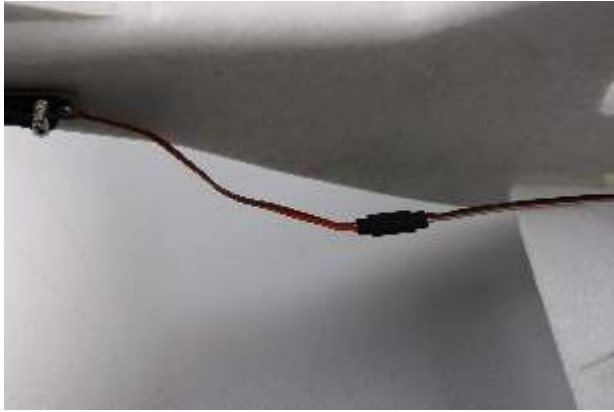
22. Tighten the motor by using the screws which included into the motor bag.



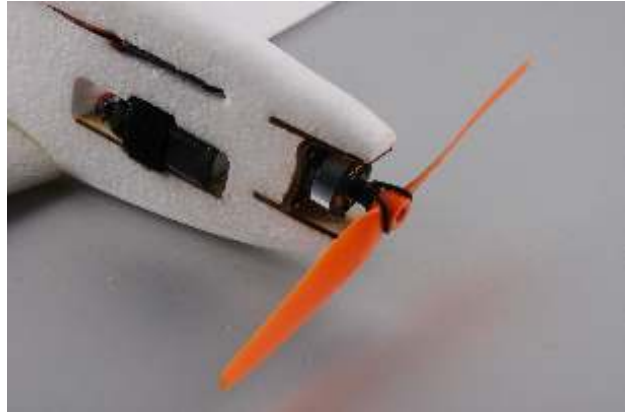
23. Install the ESC into the pre-cut slot of the fuselage, install the battery pack into the next slot of the ESC by using the velcro.



24. Install the ESC plug and servo wire plug into the receiver slot , and then debug.



25. Pls use the servo extension wire if the servo wire is not long enough.



27. Use a O-ring to fix the propeller .



26. On the side of the fuselage , pls cut a suitable slot by using knife , and then put the servo wire into the slot , and then install the receiver into the pre-cut slot .



A perfect EPP-P51D 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.

