

FPVWING-900 EPP



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TechOne Hobby

USER MANUAL

Warning: This aircraft is a hobby grade product,
only for people 14-year old or above.

Before operating this unit, please read these instructions completely.

EXAMINE YOUR KIT CAREFULLY!

Our model kits are subject to constant quality inspection through out the production process, and we sincerely hope that you are completely satisfied with the contents of your kit.

We would ask you to check all the parts before you start construction, referring to the Parts List, If you find any defective or missing parts contact your local dealer. Please dry fit and check for defects for all parts that will require CA or Epoxy for final assembly. Any parts you find to be defective after the gluing process may be difficult to remove for warranty replacement. The manufacturer will replace any defective parts, but will be difficult to extend to the good parts that are good before bluing to defective parts during assembly.

We are constantly working on improving our models, and for this reason we must reserve the right to change the kit contents in terms of shape or dimensions of parts, technology, materials and fittings, without prior notification.

SAFETY PRECAUTIONS

-Select your flight area carefully. Always choose an open space that is unobstructed from trees and buildings and away from crowded areas. Avoid flying in area's with roads, electric/telephone poles/wires and water near by within close proximity to full size air traffic.

-Do not fly this model in poor weather. High winds, low visibility, inclement temperatures, rain and storms are to be avoided.

-Never attempt to catch this model whilst in flight. Even a slow moving model can cause harm to yourself and/others and risks damage to the model.

-This model is recommended for children no younger than 14 years old. All children, no matter what age, should always be supervised by a capable and responsible adult when operating this model.

-Always unplug your model battery when not in use. Never leave the battery installed in the model.

-Remember to keep clear of the propeller at all times when your flight battery is connected.

-Before flying, always turn on your transmitter first then plug your flight battery into the model.

-After flying, always unplug your flight battery first then turn off your radio transmitter.

-Exercise caution when charging your batteries and follow in full your battery manufacturers safety guideline when doing so.

WARNING!

This is a sophisticated hobby product and is NOT a toy, it must always be operated with caution, common sense and some basic mechanical ability. This manual provides instructions as the assembly, safe operation and maintenance of this hobby product.

It is highly recommended that you follow and read fully the instructions and warnings stated in this manual. Errors and carelessness in building and flying the model can result in serious personal injury and damage to property.

Since we, as manufacturers, have no control over the construction, maintenance and operation of our products, we are obliged to take this opportunity to point out these hazards and to emphasise your personal responsibility.

Key Features

Item no: 0704006

- 1.Mixture of EPP and carbon material, anti-resistance and anti-crash.The fuselage is the cabin structure with effective cabin equipment, especially have the protection for the camera.
- 2.Flexible and powerful.
- 3.Long fuselage with enough space for expanding the equipment.
- 4.Easy assembly, short assembly time at out-field, small transportation volume.

Specifications

✈ 900MM(35.4IN)
 ✈ 308MM(12.1IN)
 ⏰ 608-760g (with battery)
 ⚙ T MOTOR F80 KV2500
 ✂ Lumenier 5*5*3

📦 11g*2pcs
 ⚙ F45Amp
 🎮 4/more channel
 🔋 4S 1500-2200 MAH Lipo

Take off mode: by hand

Do not fly under below conditions

Wind Strong enough to rustle the trees
 A street with many trees or lamps
 Area close to high voltage wires
 Area with high density population

Cautions for flying

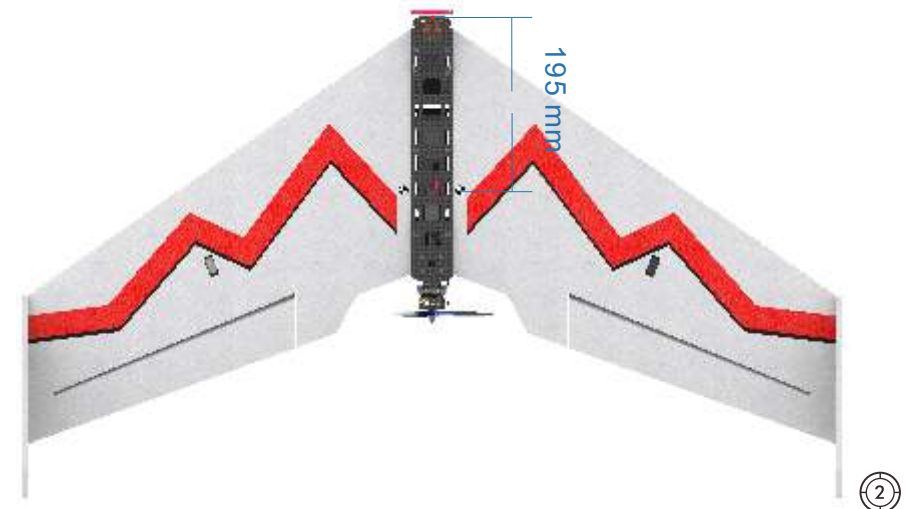
Large gyms, front lawns and parks are excellent areas for flying. Make sure your flying is permitted and within the appointed safety area by local authorities.
 The more windless, the better!

Note for Storage

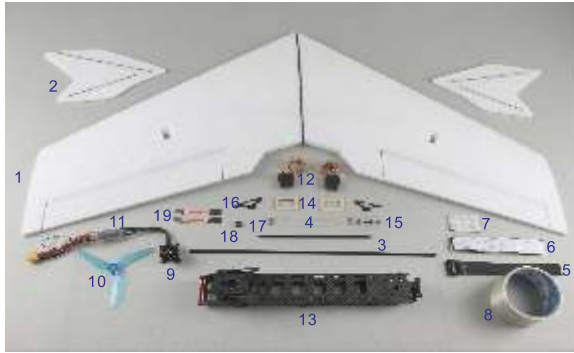
Please disconnect the lipo packs when finished flying
 Do not press or crush the airplane when storing
 The best way to store is to hang the airplane to keep the control surface rigid

Setting:

CG Position: 185-195mm away from leading end of the bottom board of carbon fuselage,we would stick the CG sign on the bottom board of carbon fuselage.



Parts included in the packing



1. Wing	1pc	10. 5*5*3R	1pc
2. Wing fence	2pcs	11. F45A ESC	1pc
3. Wing reinforcing rod	2pcs	12. 11g servo	2pcs
4. Z steel	2pcs	13. Carbon fuselage	1pc
5. black Velcro	2pcs	14. Servo mount	2pcs
6. Magic tape	2pcs	15. Servo fixed screw	4pcs
7. 3M fiber tape	5pcs	16. Control horn	2pcs
8. Fiber adhesive tape	1pc	17. Metal adjustor	2pcs
9. F80 KV2500 motor	1pc	18. Propeller screw	1pc
		19. Extended line	2pcs

Steps of ASSEMBLY



1. 11g servo parts.



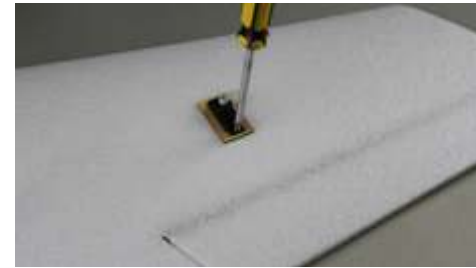
2. Install servo arm as picture shown.



3. servo installation finished.



4. Glue the servo mount on the wing



5. Fix the servo with screw.



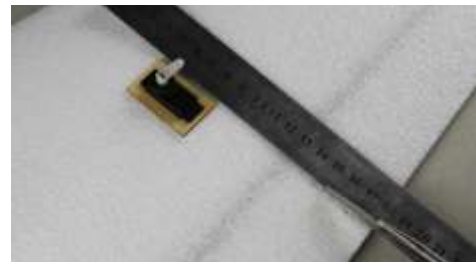
6. Then cut a slot on bottom wing for embedding the servo lead.



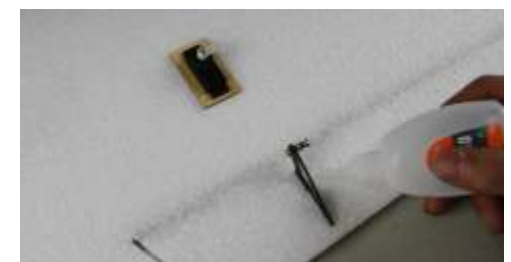
7. Embed the servo wire into slot.



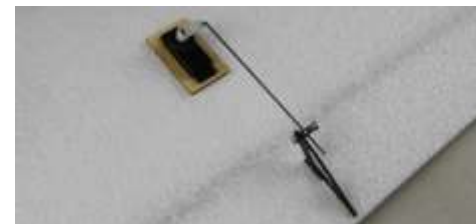
8. Install the metal adjustor on the control horn as picture shown.



9. Cut a slot on ailerons along the ruler for installing the control horn as per picture shown.



10. Install the control horn in the pre-cut slot on aileron with glue.



11. Connect the pushrod from servo arm to control horn, Servo assembly finished as picture shown.



12. The pointed position in black circle is the adhesive position of wing fence, which would be glued on the wingtip.



13. Install wing fences on wing tips position with glue.



14. Insert the wing reinforcing rod in the fuselage.



15. Wing installation finished.



16. F80 Motor assembly parts.



17. Lock the carbon tube with four screws through extruding way.



18. Fix motor parts.



19. Fix 5*5*3R propeller.

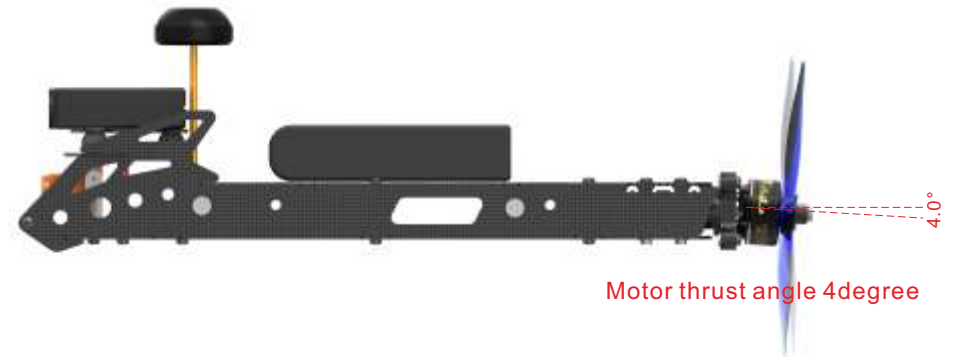


20. Complete installation



21. The installation position of Camera, image transmission, receiver, battery, ect for reference. (Remarks: These parts are not included in the package)

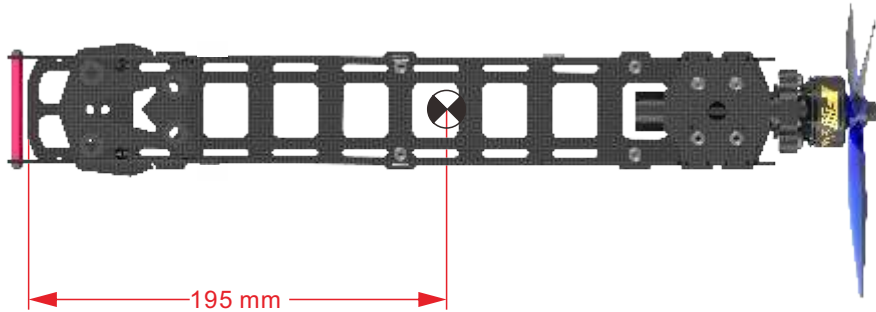
▲ **Warning:** The function of the fiber tape: make sure the overall rigidity of airplane at high speed flying, and repair the plane.



Motor thrust angle 4degree



Wing control surface up to 3-4mm



- ▲ **Remarks:** This is a reference configuration for high-speed flight when you enjoy the plane.
The plane can be corresponding to different trimming position of control surface at different speeds when in level flight;
The trimming deflection of control surface should be bigger at low-speed (trailing edge is more upward)
The required trimming deflection of control surface is less at high speed (trailing edge is less upward)
The actual center of gravity, thrust line, the trimming deflection of control surfaces shall be operated according to the personal flying habits.

Safety

Safety is the first rule for any kind of flying. Third party insurance is not mandatory but we feel it is Essential. If you join a model club they usually have an insurance scheme as part of the membership fee. It is your personal responsibility to ensure you have adequate insurance. Make it your priority to keep

Your models and radio control system in perfect order at all times. Check your batteries are being charged correctly and that you are familiar with How your charging equipment operates. Check your RC gear regularly and ensure you carry out a range check before each flying session. As our products are exclusively designed and produced by professional modelers, it's our major ambition to make excellent products and accessories.

Always fly with a responsible attitude. Please don't fly your models dangerously, it is not wise to fly near people or over their heads.

Always fly in a way which will not endanger yourself or others. Keep in mind that even the best RC system in the world is subject to outside interference. No matter how many years of accident-free flying experience you might have things can go wrong.

Fly safe and have fun.