POWERZONE

PZ-011

2600MM FPV
Assembly and Operating Manual



Main specification:

SPECIFICATION

- **Wing span :** 2600mm(102.4in)
- **Length :** 1500 mm(59in)
- **Weight :** 2100 g(74 oz.)
- **Total surface area:** approx. 66 dm2
- **Total surface area loading:** approx. 31.9g / dm2

Electronic systems:

- **Servo:** 6*17g,2.5kg/cm,0.18s/60
- **Battery :** 11.1v 5000MAh(20C) Li-polymer battery
- **Motor :** D3542-KV1200 Powerful Out-runner Brushless Motor
- **ESC :** 50A Brushless ESC

WWW.YCPOWERZONE.COM

Dear customer,

Congratulations on your choice of a factory-assembled model aircraft from the POWERZONE and thank you for placing your trust in us.

Very little preparation work is required to get this model ready to fly. To operate your new model safely，it is important to read through all the instructions and the safety information with your model, before you fly it for the first time.

The illustrations in this manual show the red version of the model with factory applied decals.

The power system

The model is powered by a brushless out-runner motor and propeller, both of which are factory-installed on the Ready-To-Fly version.

The motor is connected to the electronic speed controller which is factory installed on the Ready-To-Fly version. All is required to charge the Li-Po battery, following the safety instructions, and connect the battery to the electronic speed controller.

The radio control system

To fly the 2600mm FPV you will need a radio control system with at least four channels. 2.4GHz radios systems are recommended, similar to the unit included in our deluxe version.

The servos for the ailerons and the elevators are factory-installed.

The power for the receiver is drawn from the electronic speed controller's integral BEC system.

The electronic speed controller is located inside of the fuselage, in front of the ducted fan.

To check the model's operating systems, first set the control surface servos to neutral and the transmitter sticks and trims at centre.

When you wish to fly the model, always make sure the transmitter is in the "OFF" position. Move the throttle stick to the "OFF" position as well. Then connect the flight battery to the electronic speed controller.

Switch off in the reverse order: disconnect the battery from the electronic speed controller first, and then switch off the transmitter.

Glued joints, suitable adhesives

Foam safe epoxy is recommended and available from most reputable model retail shops.
Make sure that all parts are "dry" before applying glue.
Follow the recommended time suggested by the glue manufacturer. Allow the glue to fully harden to the point where the joint can be placed under stress.

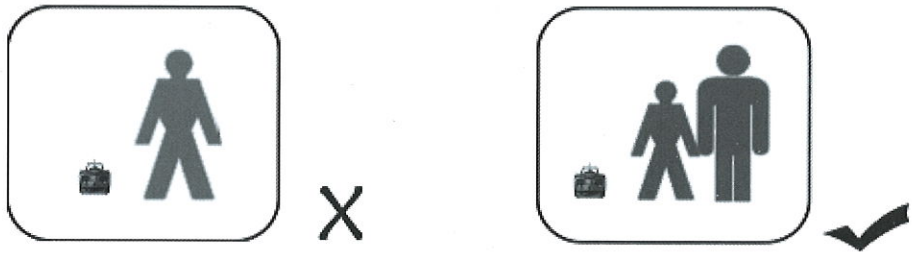
c*Kit contents*

Fuselage, with motor, electronic speed controller and servos
Clear canopy and cockpit
Left / right wing panels with ailerons
Left / right tail plane panels with elevators and vertical stabilizer
Accessories
1 x Li-Po battery, 3s 5000mAh 20C
1 x50A Brushless ESC (Electronic Speed Controller)

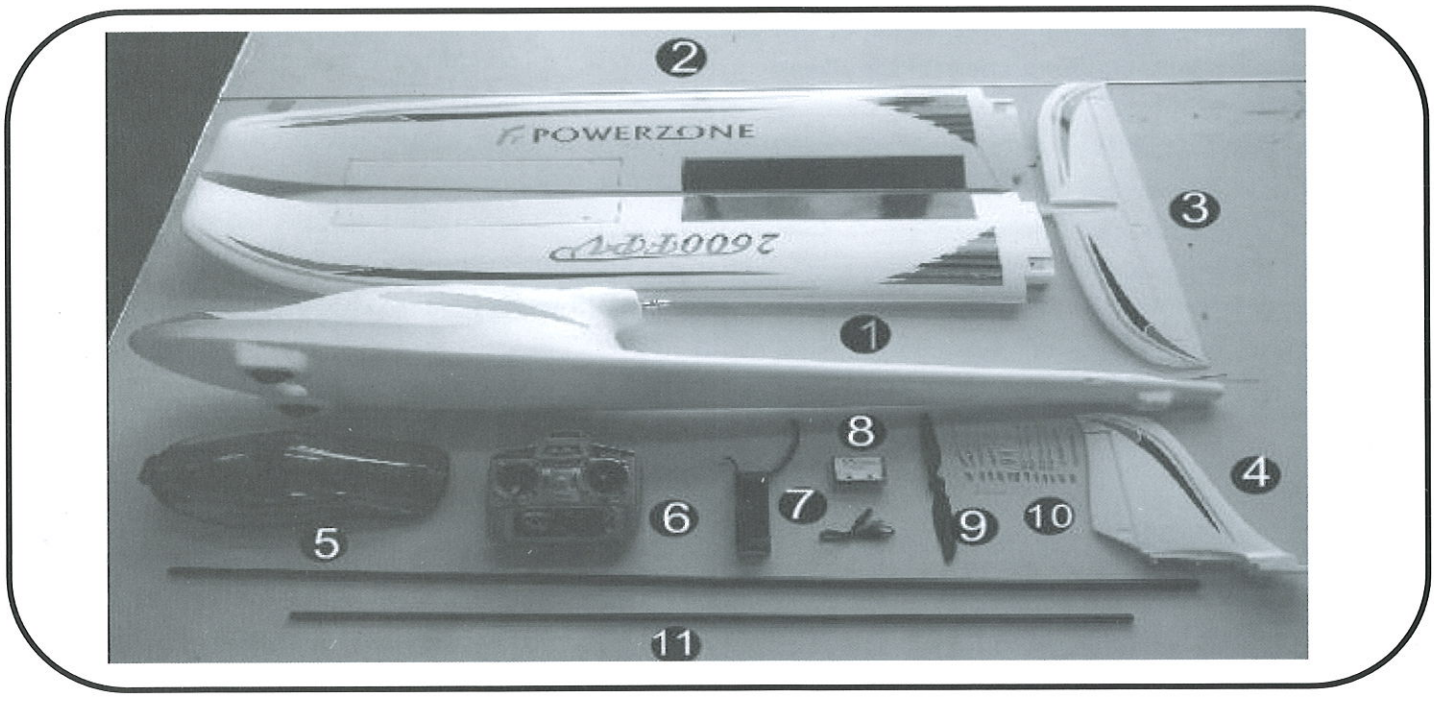
The airplane is characteristic of high speed and high scale performance, which is suitable for intermediate or above level modelers

STATAMENT

1、This is not a toy. It is for experienced modelers only. You are responsible for the safe operation of this model and any damage or harm it may cause;
2、Please adjust this plane according to instruction and make sure fingers and other parts are out of rotating parts of plane ,otherwise it may cause damage to the plane or injury to your body.
3、Follow all instructions carefully and assemble the model correctly. It is your responsibility to make sure the battery is charged correctly.
4、Children under the age of 14 should be under adult guide. Not recommend for the children under the age of 14.



Parts Illustration



1、 *Fuselage*
2、 *Wing Set – One Left (and one Right) Wing Panel*
3、 *Tail Set – One horizontal tail*
4、 *Tail Set –One vertical tail*
5、 *Cockpit canopy*
6、 *Radio Control Transmitter and Receiver (we highly recommend 2.4 GHz system)*
7、 *5000mAh 11.1 Volt 20C Li-Po Battery*
8、 *Balance charger*
9、 *Propeller*
10、 *Push rods set*
11、 *Carbon filber tube*

Illustration of Assembly

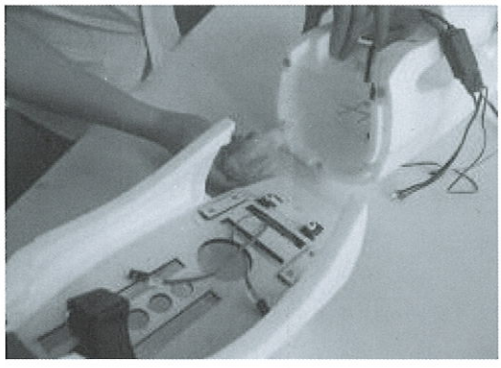


Fig. 1- photo shows the fuselage and glue the nose cone.

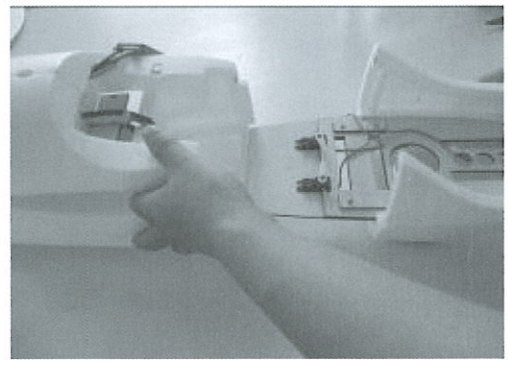


Fig.2- plug the panel to the fuselage.

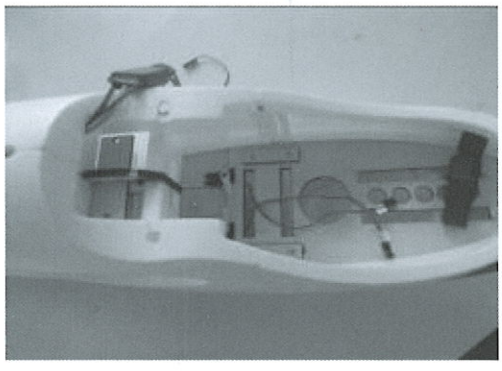


Fig. 3- the photo shows the finished view.

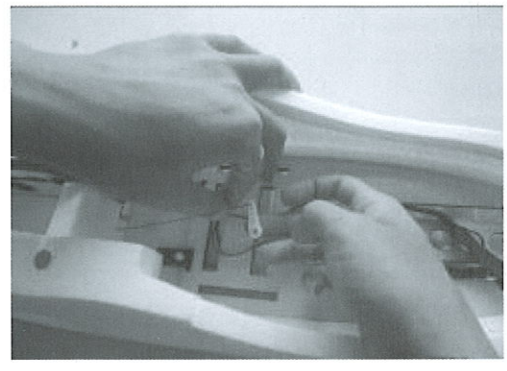


Fig.4- Connect the pushrods to the control rods set.

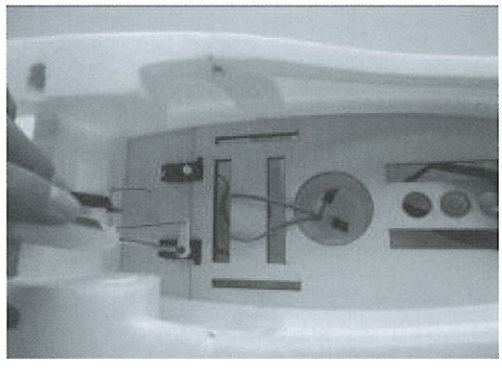


Fig.5- Fix this by screws.

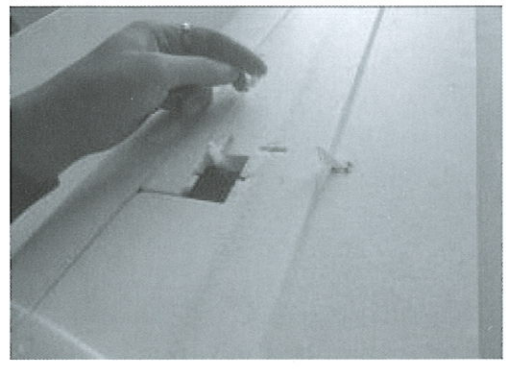


Fig.6- Connect the push rods to the aileron servo arm（The first hole）

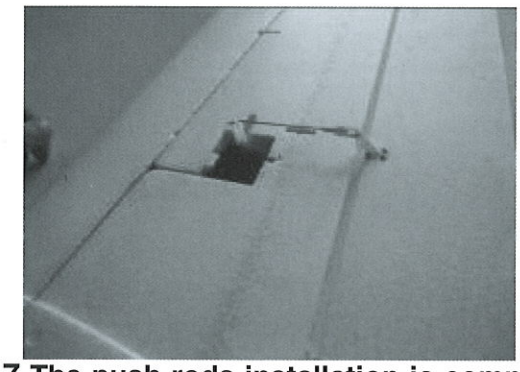


Fig.7-The push rods installation is complete, on the other side, as well as the installation

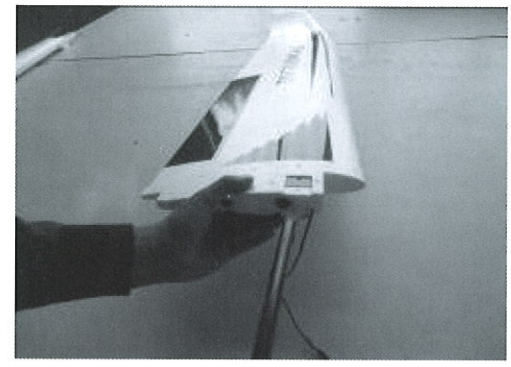


Fig.8-Plug up the tube to the wing panel.

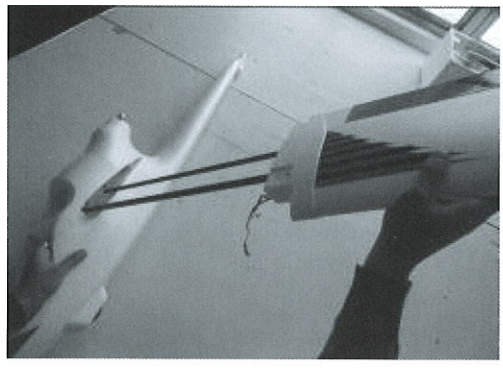


Fig.9- plug the main wing to the fuselage.

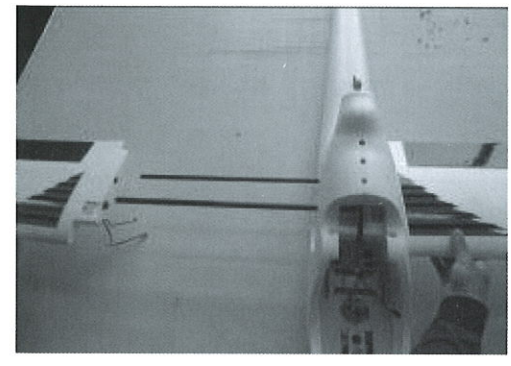


Fig.10- Pictures show the wing plug up to the side of each main wing panel.

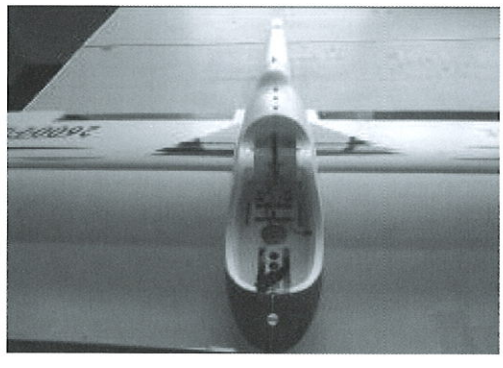


Fig.11- The photos shows the finished view after plug up the wings in place.

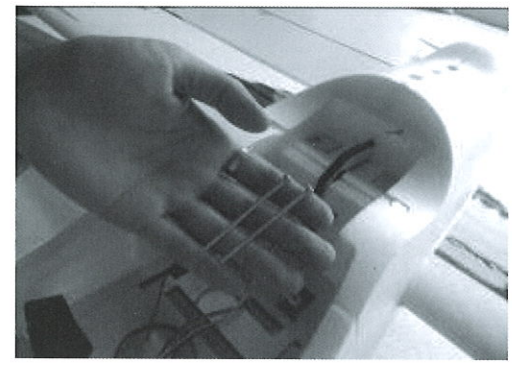


Fig.12-photo shows the screws are ready.

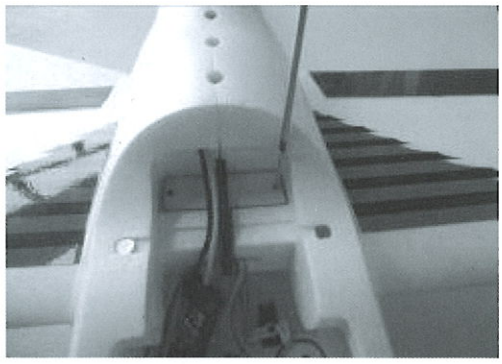


Fig.13-fix main wing with screws.

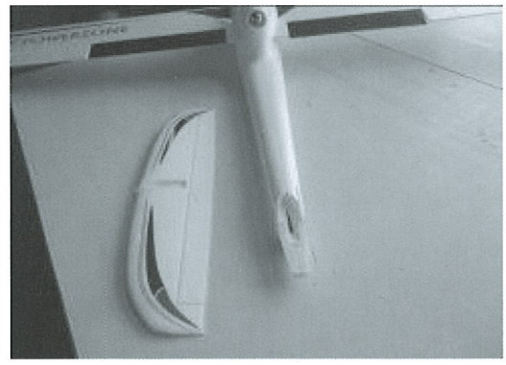


Fig.14- The photo shows the Horizontal tail are ready.



Fig.15- The photo shows Install the horizontal stabilizers on the fuselage.

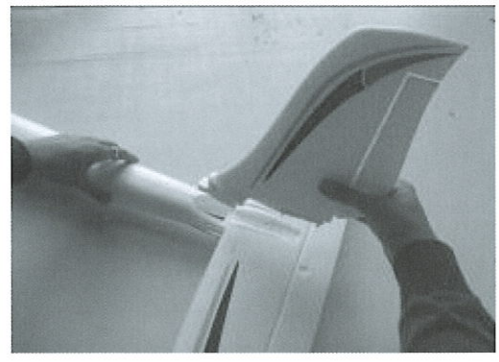


Fig.16- Photo shows the vertical tail plug up to the fuselage.

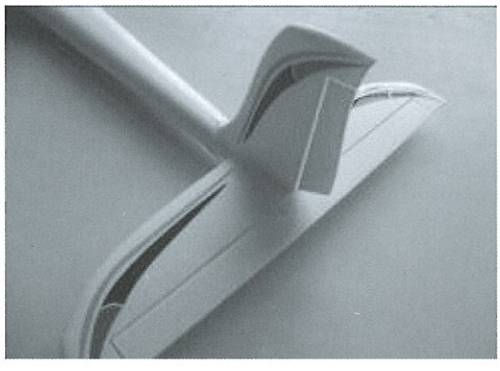


Fig.17- The photo shows Install the vertical stabilizers on the fuselage.

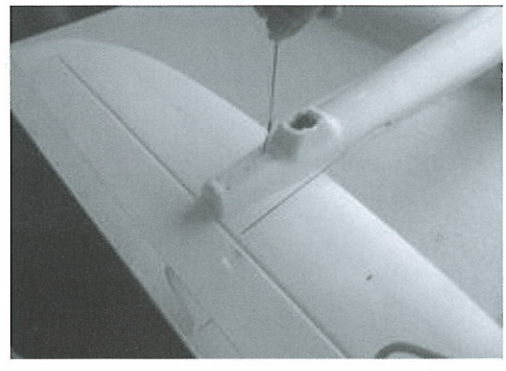


Fig.18-Tighten the push rods with screws.

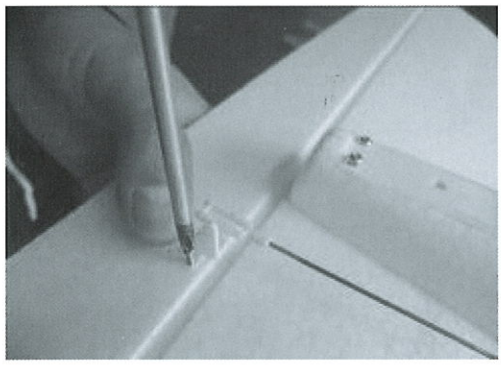


Fig.19- Fix this by screws.

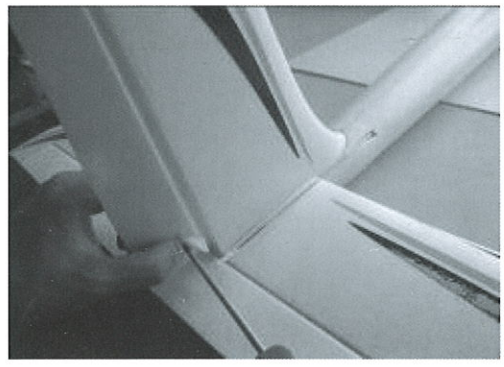


Fig.20 Fix the vertical tail with screws.

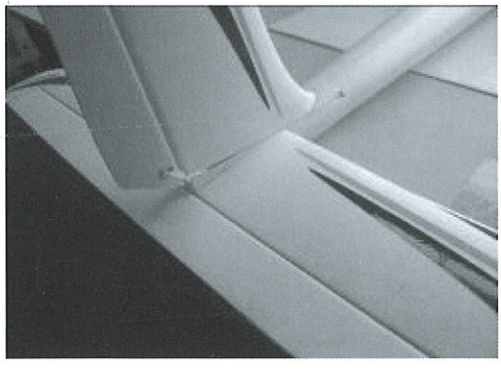


Fig.21- The photo shows the finished view.

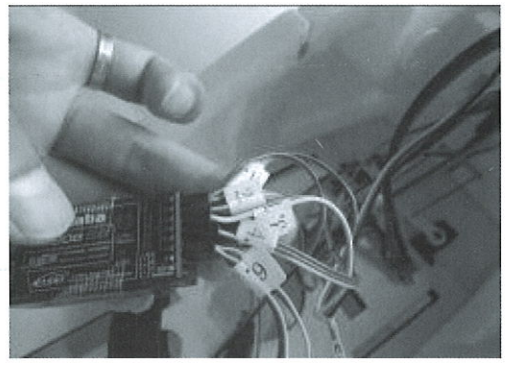


Fig.22- Connect the electronic speed controller and servos to the receiver. Refer to the radio instructions for the correct channel sockets and servo lead polarity. Attach the front wheel to the fixed plate.



Fig.23- Photo shows the battery is installed in the fuselage

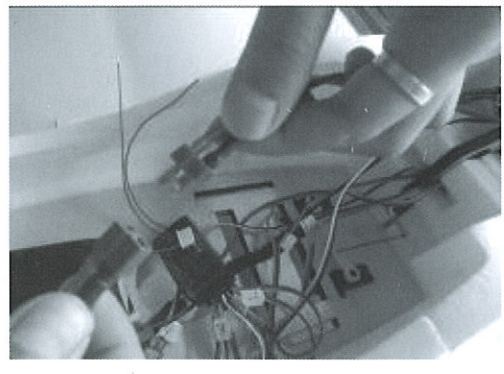


Fig.24- Photo shows battery leads connected to the electronic speed controller.

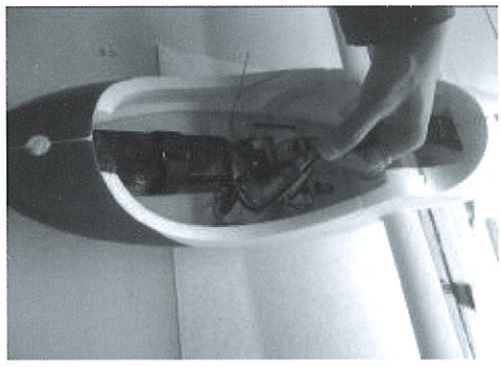


Fig.25-Locate the battery. Charge the battery according to the safety instructions before installing.

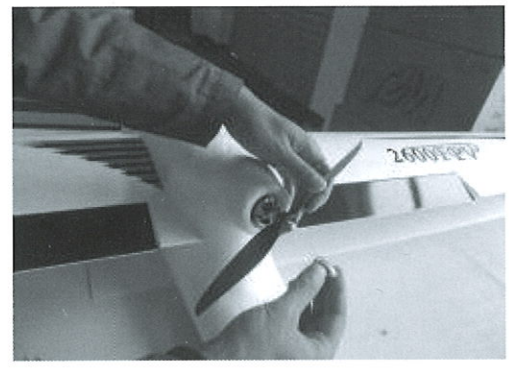


Fig.26-Locate the propeller with the clamp.

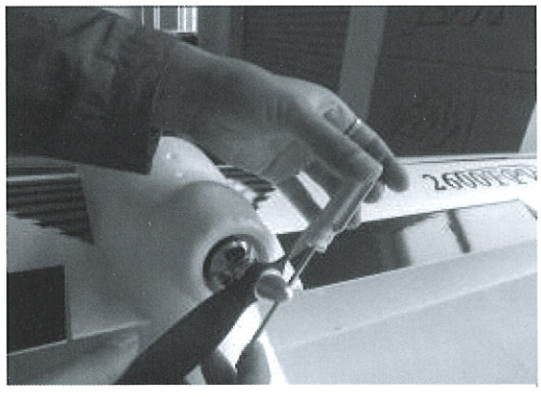


Fig.27-Fix the propeller with the pushrods

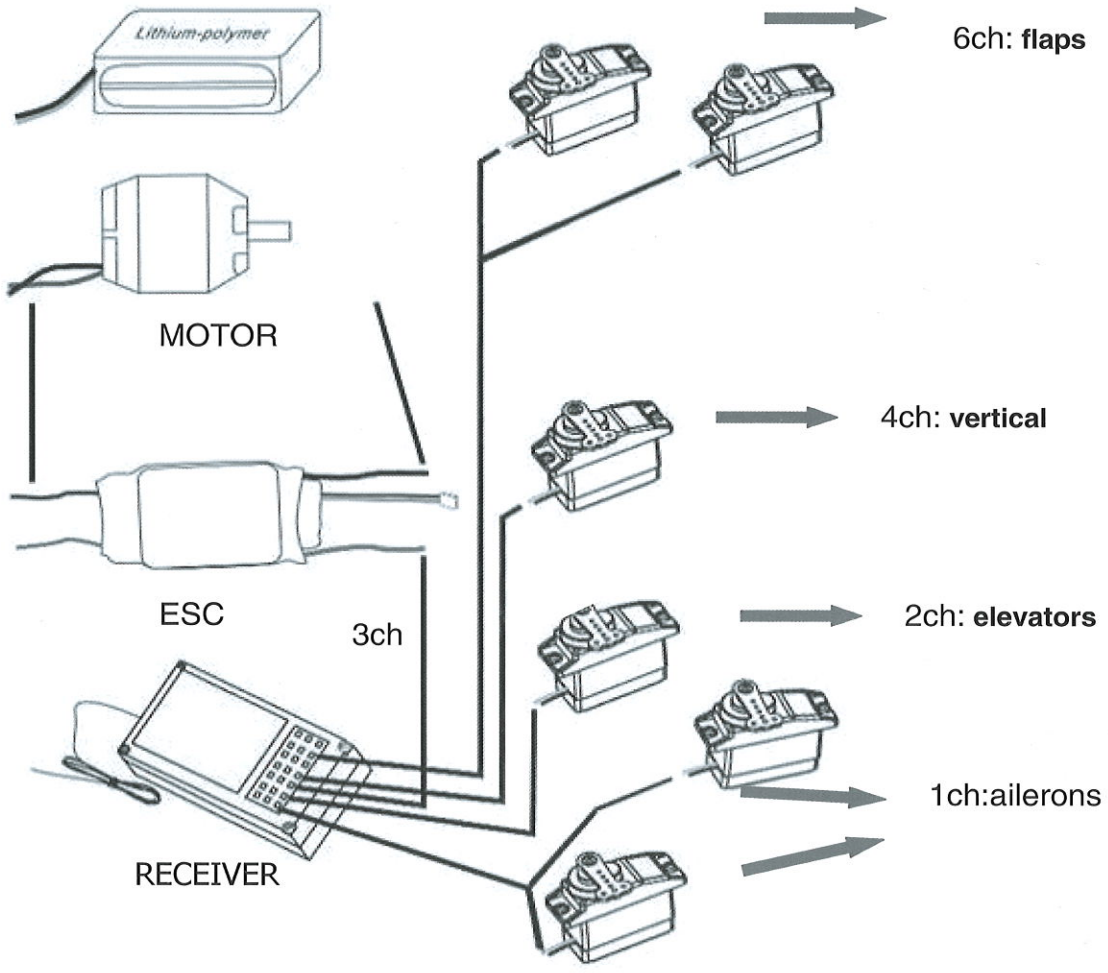


Fig.28- Locate the canopy by the magnet

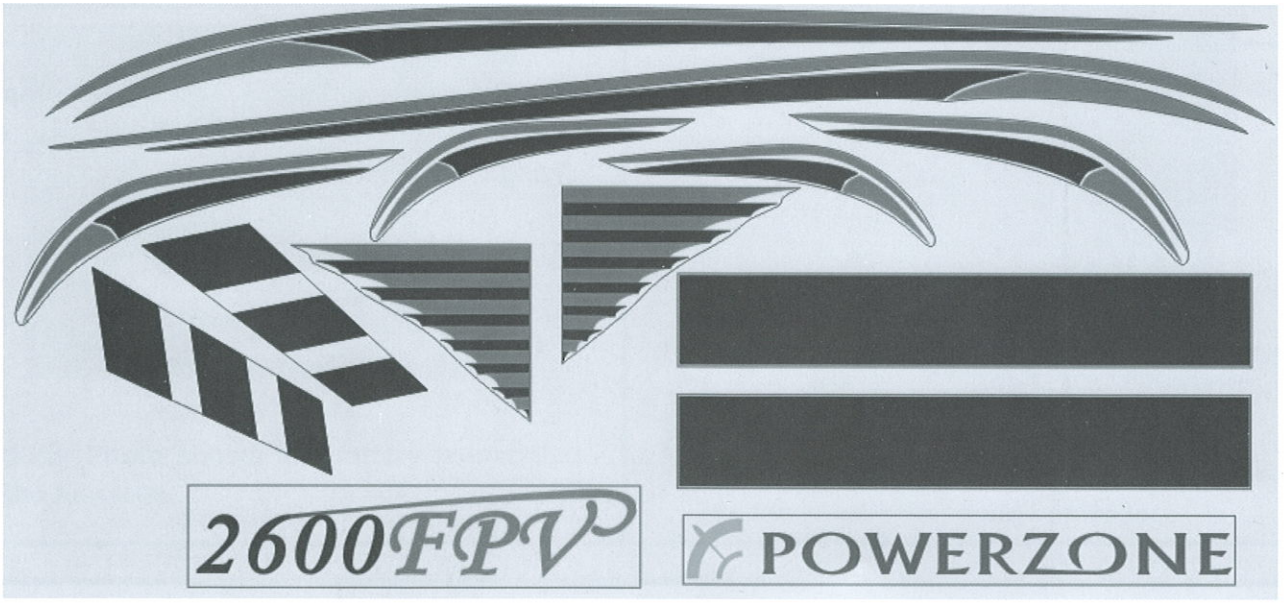


Fig.29- Congratulations, you have completed the assembly process. We hope you enjoy flying .

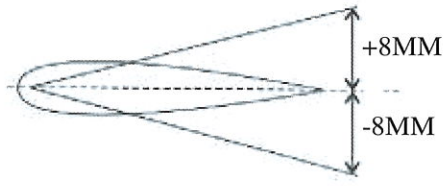
CONNECTION



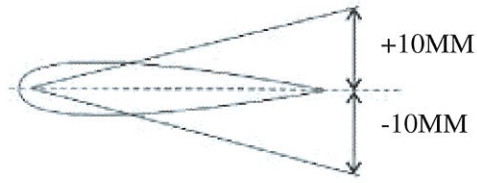
DECORATION



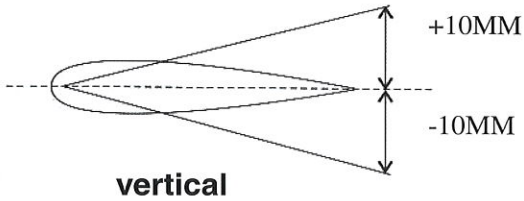
Checking Ailerons and Elevators



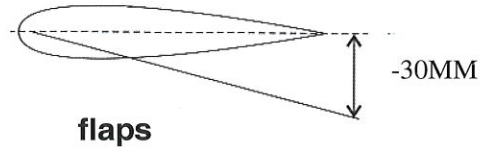
elevator



aileron



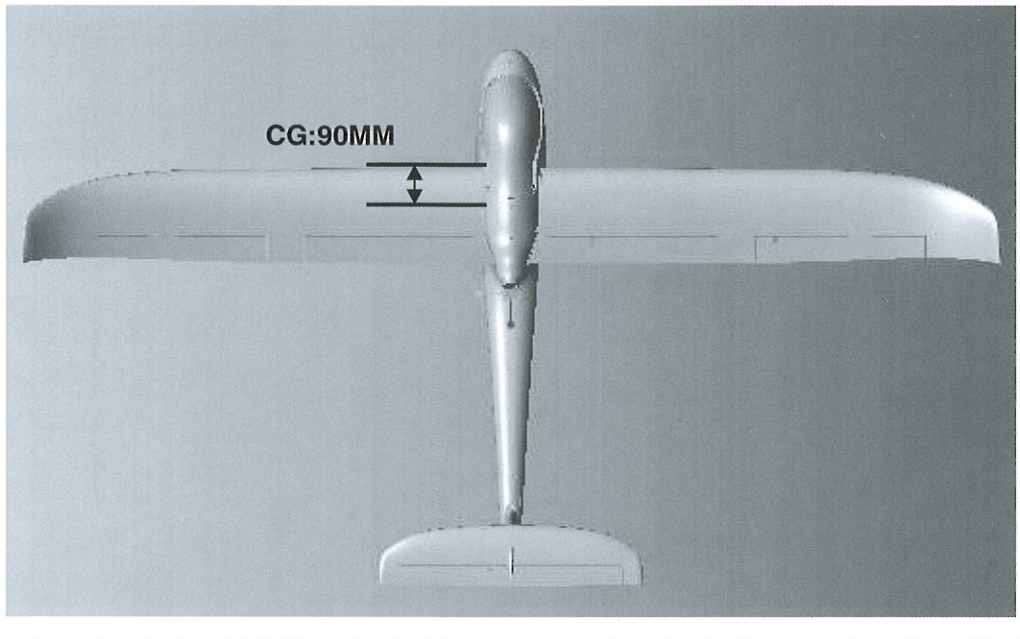
vertical



flaps

-Check that the control surfaces respond to the appropriate movements of the transmitter sticks. If not, swap over the connectors at the receiver.
-Check the neutral position of the control surfaces; you may need to screw the clevices in or out to correct any discrepancy.
- Stand behind the model.
-Check the direction of rotation of the servos
-Move the aileron stick to the right (a), and the right aileron (a) must rise up, the left aileron (b) fall down
-Pull the elevator stick back towards you (c), and the trailing edge of both elevators should rise (c)
-If some function works in the wrong way, correct it by setting your transmitter's servo at reverse condition for that channel.

Checking the model's balance



Place the flight battery in its compartment without connecting. Mark the Centre of Gravity (CG) on both sides of the fuselage; the position is shown in the photo. Hold the model at the marked points and allow it to hang freely. When correctly balanced, the airplane will remain horizontal with the nose slightly down. If necessary, adjust position of the flight battery to achieve the correct CG. Mark the battery location in the fuselage, so that you can position it correctly after recharging. ack scrap pieces of foam around the battery in its final position, otherwise there is a danger of it shifting in flight and altering the model's balance.
Charge the flight battery and the model is ready for flight.

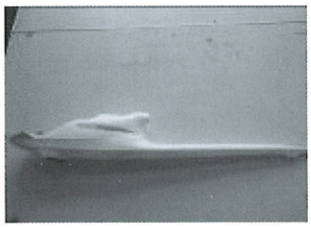
Test Flying - Notes on flying the airplane

Please read the sections entitled "Routine pre-flight checks" and "Flying the model" in the Safety Notes before attempting to fly the 2600MM FPV for the first time.

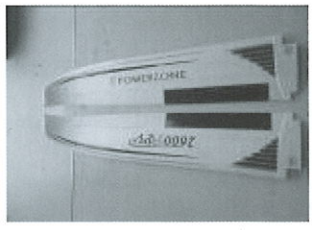
- For the first flight you should wait for a relatively calm day with no more than a gentle breeze.
- A good flying site is a large, flat, open field; well away from trees, fences, high-tension overhead cables and other potentially dangerous obstacles.
- We recommend that you ask an experienced modeler for help initially; and give the model a fairly powerful hand-launch.
- The model must be launched directly into any existing wind.
- Switch the motor on, and launch the airplane strongly into the wind, with the fuselage and wings level.
- Allow the 2600MM FPV to fly straight and level initially; don't try to turn it when it is close to the ground.
- Adjust the trims if necessary so that the model settles into a steady climb.
- Check if the model responds to control commands from the transmitter. You may need to increase or reduce the control surface when the model is back on the ground.
- Take the airplane up to a safe height and check its stalling speed.
- Keep the speed well up on the landing approach to avoid stalling.
- If you have to move the trims during the flight, correct the mechanical links before flying again. This allows you to re-centre the trims, so that full trim travel is available for subsequent flights.
- We reserve the right to introduce technical modifications and suggest that you check our website for updates.

Complete check of the working systems.

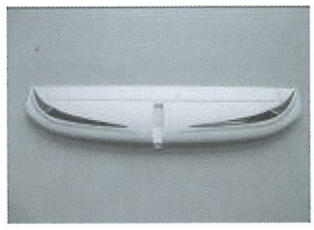
PZ-011 Spare Parts



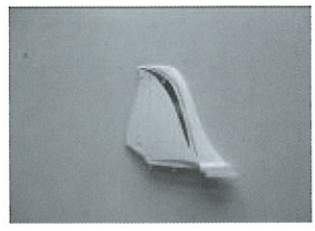
PZ1320-1
Fuselage



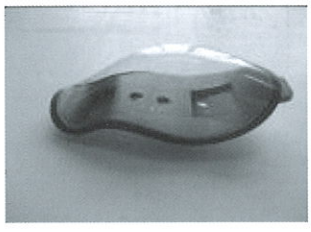
PZ1320-2
Main Wing



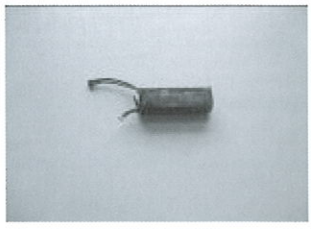
PZ1320-3
flat tail



PZ1320-4
Vertical tail



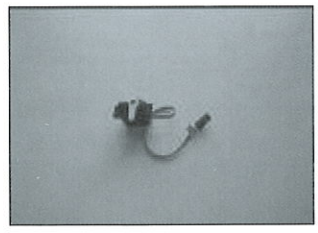
PZ1320-5
Cockpit canopy



PZ1320-6
li-po Battery



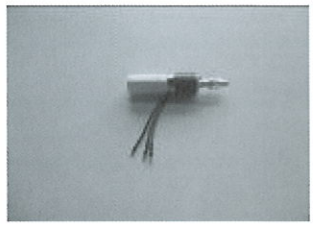
PZ1320-7
Transmitter



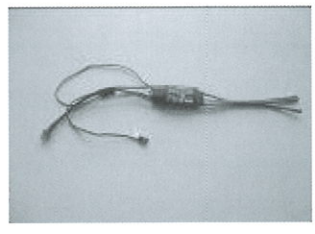
PZ1320-8
Servos



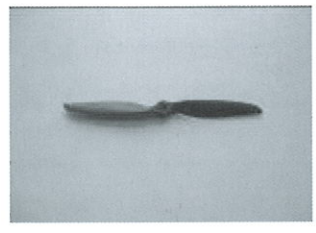
PZ1320-9
Balance



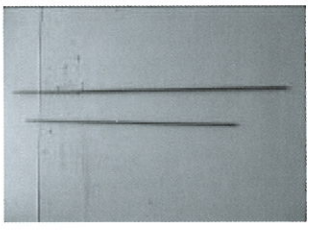
PZ1320-10
Motor



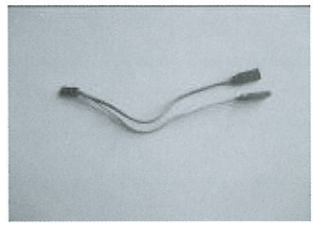
PZ1320-11
ESC



PZ1320-12
propeller



PZ1320-13
Carbon filber tube



PZ1320-14
v-lead



PZ1320-15
Push rods set

NOTE/NOTIZEN

NOTE/NOTIZEN

POWERZONE

Yancheng Powerzone Model Co., Ltd.

NO.6 Golden Batan Road, Batan Town, Binhai County ,Yancheng City,

Jiangsu Province ,224500 China.

Powerzone.model@gmail.com

Phone: +(86)515-89198008

Fax: +(86)515-89198700

www.ycpoerzone.com