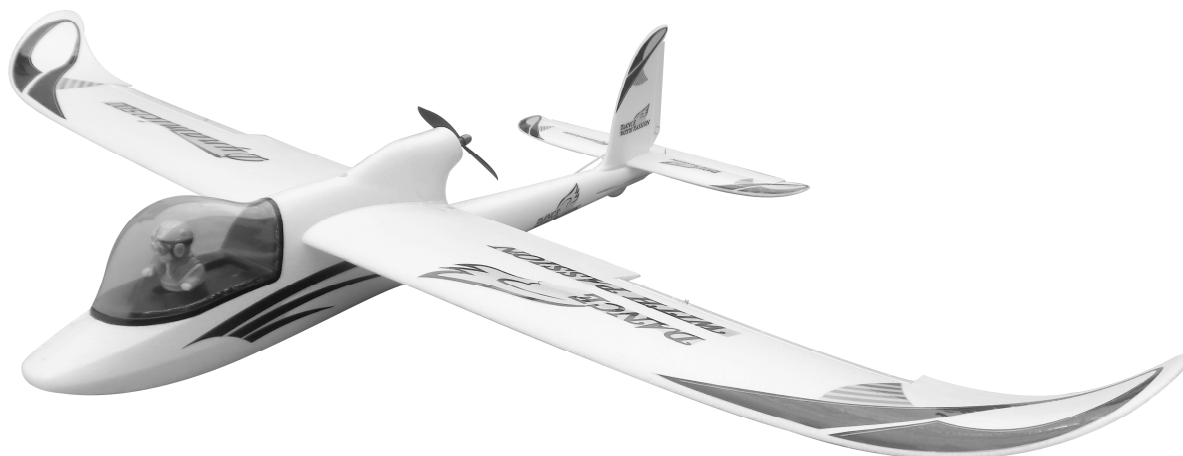


DYNAMIC 1500 FPV

Assembly and Operating Manual



Main specification:

SPECIFICATION

- Wing span : 1480mm(58.3in)
- Length : 992mm(39.0in)
- Weight : 690 g(24.4oz.)
- Total surface area: approx. 24dm²
- Total surface area loading: approx. 28.8g / dm²

Electronic systems:

- Servo: 4*9g,1.5kg/cm,0.18s/60
- Battery : 11.1v 1300MAh(20C) Li-polymer battery
- Motor : D2604-KV1950Powerful Out runner Brushless Motor
- ESC : 20A Brushless ESC



WWW.YCPowerzone.COM

DYNAMIC 1500 FPV

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 that you read through all of the instructions and safety information included with your model, before you fly it for the first time.

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

The power system

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

The motor is connected to the electronic speed controller which is factory calibrated on the Ready-To-Fly version. All that is required is 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 DYNAMIC 1500 FPV you will need a radio control system with at least four channels. 2.4GHz radios systems are recommended, similar to the unit included with 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 with 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

DYNAMIC 1500 FPV

Foam safe epoxy is recommended and available from most reputable model retail shops.

Make sure that all parts are “dry” before applying glue.

Trial-fit all parts “dry” before applying glue.

Follow the recommended curing time suggested by the glue manufacturer. Allow the glue to fully cure (harden) to the point where the joint can be placed under stress.

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 1300mAh 20C

1 x 20A Brushless ESC (Electronic Speed Controller)

1xV-Lead 150mm

1xCarbon Filber Tube

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

- 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 out of rotating parts of plane, damage to the plane or injury may result.*
- 3、 Follow all instructions carefully and assemble the model correctly. It is your responsibility to insure the battery's charged correctly.*
- 4、 Children under the age of 14 should have an adult guide. Not recommend for the children under the age of 14.*

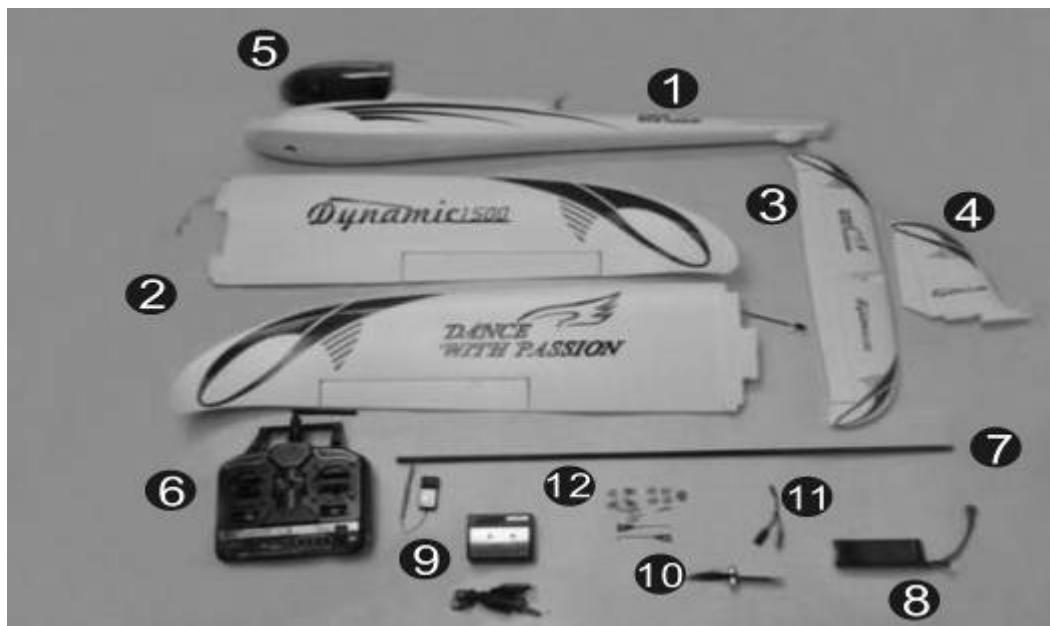


X



DYNAMIC 1500 FPV

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、 Carbon Fiber Tube**
- 8、 1300mAh 11.1 Volt 20C Li-Po Battery**
- 9、 Balance charger**
- 10、 Propeller**
- 11、 V-Lead**
- 12、 Push Rod set**

Illustration of Assembly

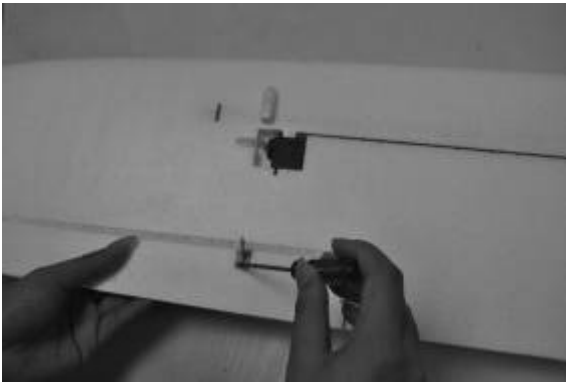


Fig. 1- Fix the Main wing control rods with screw.

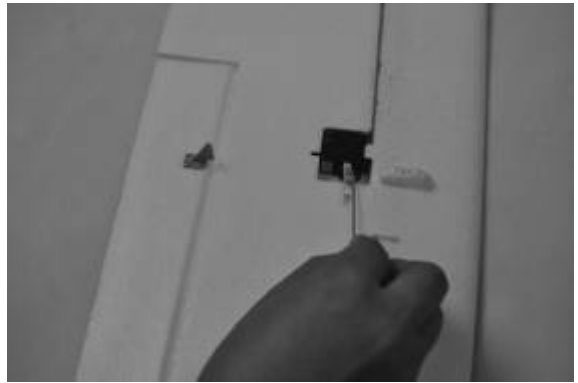


Fig. 2-Connect the push rods to the aileron servo arm (The first hole) .



Fig. 3- The push rods installation is complete, on the other side, as well as the installation .



Fig.4- plug the main wing to the fuselage.



Fig.5-Pictures show the wing plug up to the side of each main wing panel.



Fig.6-The photos shows the finished view after plug up the wings in place.

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Fig.7- Fix the horizontal stabilizers control rods with screws as shown in the photo.



Fig.8-The photo shows Install the horizontal stabilizers on the fuselage.



Fig.9- Fix the control rods with screws as shown in the photo.



Fig.10- The photo shows Install the vertical stabilizers on the fuselage.

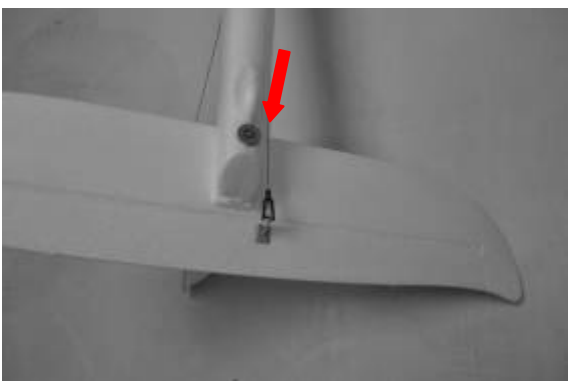


Fig.11- Use the screw tail, as shown



Fig.12- The photo shows the finished view.

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Fig.13- The photo shows the propeller is installed in the fuselage.



Fig.14-Connect the electronic speed controller and servos to the receiver .Refer to the radio instructions for the correct channel sockets and servo lead polarity .



Fig.16- Photo shows the battery is installed in the fuselage



Fig.17- Photo shows battery leads connected to the electronic speed controller.



Fig.18 - Locate the canopy by the magnet, (One fuselage with two cockpit canopy)

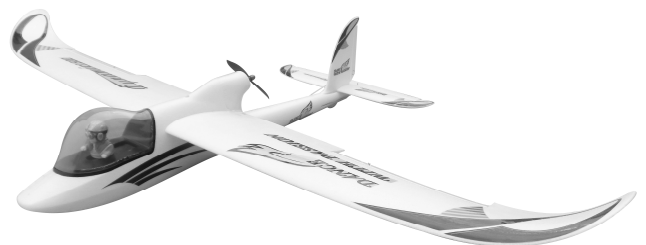
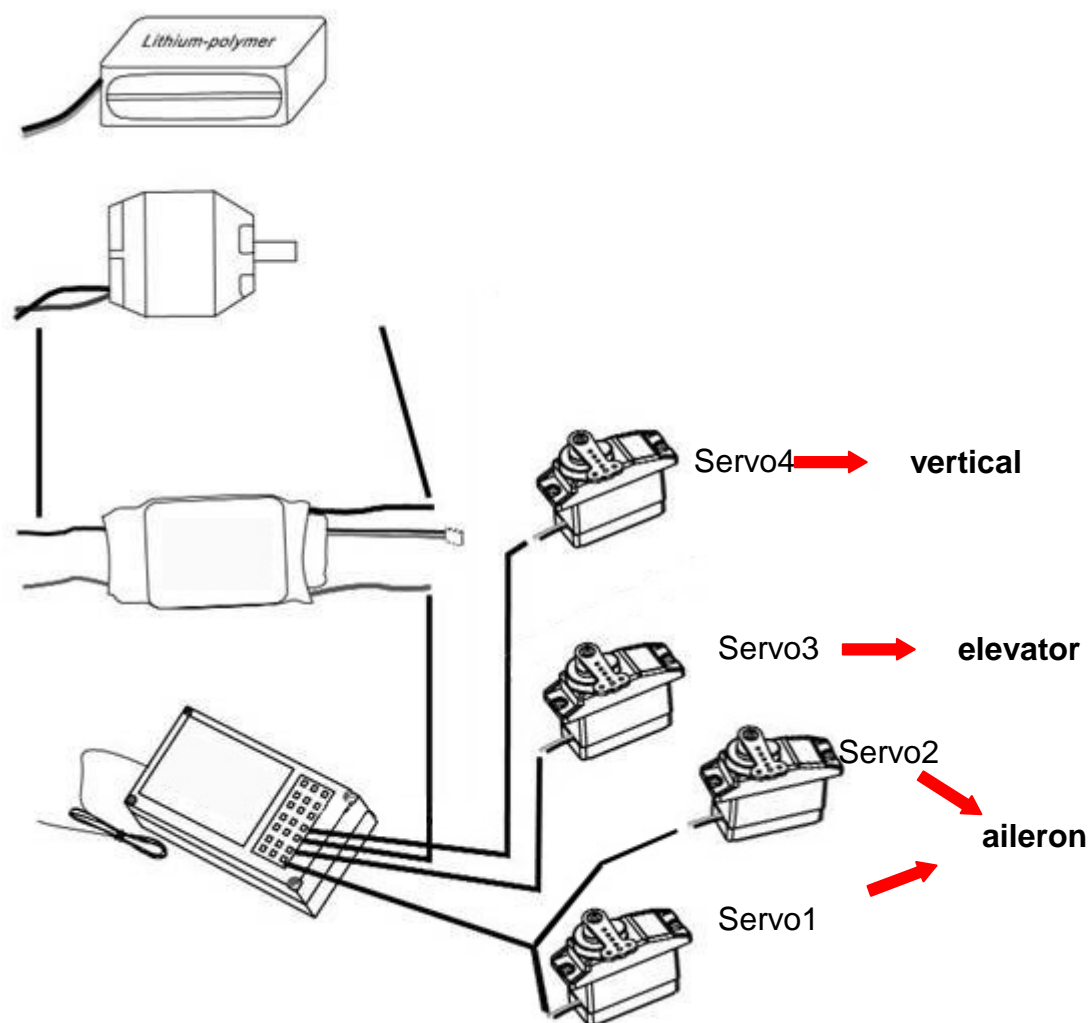


Fig.19 Congratulations, you have completed ,The assembly process. We hope you enjoy flying,Your new model!

CONNECTION

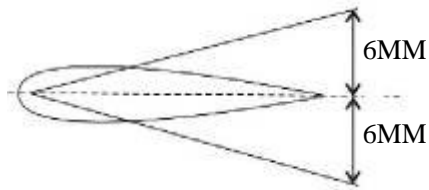


858mm

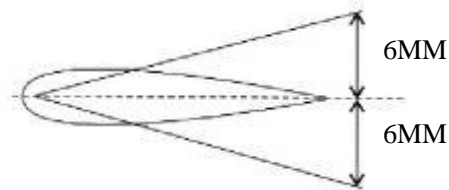
289mm



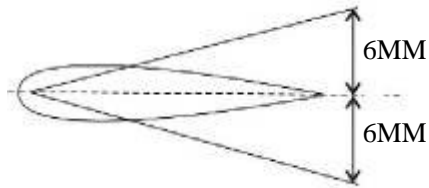
Checking Ailerons and Elevators



elevator



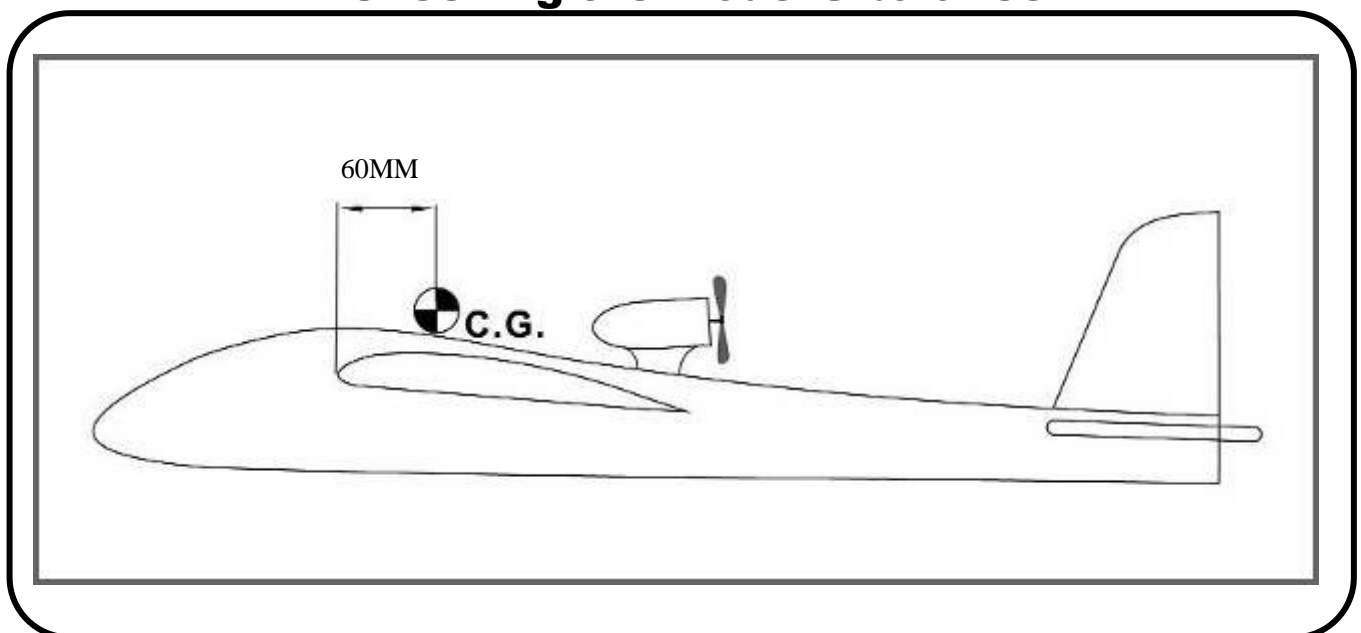
aileron



vertical

- 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 clevises 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 either function works in the wrong way, correct it using your transmitter's servo reverse facility for that channel

Checking the model's balance



DYNAMIC 1500 FPV

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. Support 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 be positioning it correctly after recharging. Pack 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 DYNAMIC 1500 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.
- Carry out a We recommend that you ask an experienced modeler to help you initially; to 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 DYNAMIC 1500 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 the model's response to control commands from the transmitter. You may need to increase or reduce the control surface travels once 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 had to move the trims during the flight, correct the mechanical linkages 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-004 Spare Parts



**PZ1280-1
Fuselage**



**PZ1280-2
Main Wing**



**PZ1280-3
Vertical Stabilizer**



**PZ1280-4
Horizontal tail**



**PZ1280-5
Motor**



**PZ1280-6
ESC**



**PZ1280-7
Transmitter**



**PZ1280-8
servos**



**PZ1280-9
Li-Po Battery**



**PZ1280-10
Carbon Fiber
Tube**



**PZ1280-11
Cockpit-canopy**



**PZ1280-12
Control rods**



**PZ1280-13
Balance**



**PZ1280-14
Propeller**



**PZ1280-15
V-Lead**



**PZ1280-16
Motor mount**



**PZ1280-17
stickers**

DYNAMIC 1500 FPV



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