

Lightning

Radio Control Model Airplane

Operation manual



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Statement:

1. Please read this manual carefully and follow the instruction of the manual before you use this products;
2. Our airplane is not a toy, which is only suitable for the experienced manipulator or under the guidance of the experienced pilot.
3. Not recommended for the children under 14 years old.
4. Please adjust this plane according to the instruction and make sure that the finger and other parts of your body be out of the rotating parts of the plane, or it may cause damage to the plane or injury to your body.
5. Do not fly in the thunderstorm, strong wind or bad weather.
6. Never fly the plane where there are power lines overhead, automobiles, near aerodrome, railway or highway.
7. Never fly our plane where are crowds of people. Give yourself plenty of room flying, as the plane can fly at a high speed. Remember that you are responsible for others safety.
8. Do not attempt to catch the plane when you are flying it.
9. The user should bear full responsibility of proper operation and usage with regards to this model. We, Top RC together with any distributor of us will not be responsible for any liability or loss due to improper operation.

Brief introduction

Thank you for purchasing the "Lightning" remote control model airplanes from TOP RC, and we hope this plane will bring endless joy to you after you choose it.

1. Lightning is a sport glider for intermediate to advance pilots with basic flying skill and experience.
2. High Speed, stable flight and easy to control. Lightning can achieve axial rolls, inverted flight, inside loops, outside loops and other aerobatic actions.
3. With modular and humanization design, Lightning is easy to carry and maintain.
4. With automatic heat dissipation function in power system, it ensures the high efficiency and prolongs the use life of the motor, ESC and battery for Lightning.
5. With many Carbon Fiber reinforced Polymer material, it ensures the strong structure in the flight

Main specifications

★Wingspan	1500mm
★Length	1016mm
★Weight	915g
★Thrust rate	1:1

Main configuration

★Motor	C2415-1150KV
★ESC	40A
★Battery	2200mAh 20C 11.1V
★Servo	9g*3+9g digital servo (metal gear) *1
★Radio system	4CH

Product constitution

PNP version

Fuselage, Main Wings, Horizontal Wings, Connecting Rod for Horizontal Wings, Connecting rod for Main Wings



ARF version

RTF Version Without Tx and Rx

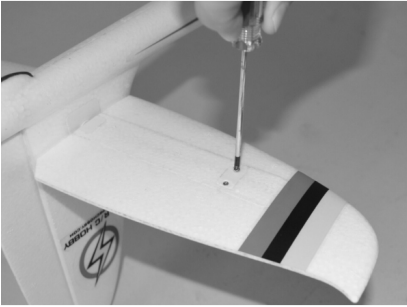
KIT version

Without Any Electronic Parts

Assemble processes

1.Assembly of the Horizontal Wings

Take of the horizontal wings and the connection rod for the horizontal wings,please install them to the assembling groove at the tail parts of fuselage as per the right position,then lock the horizontal wings by screws.

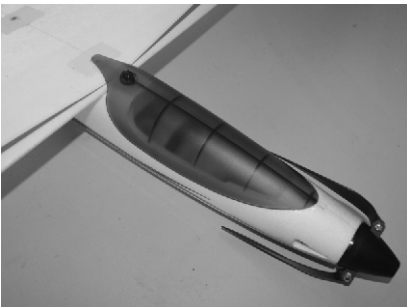


2. Assembly of the Main Wings

Take of the Main wings&Aileron servo Y wire &Connection rod for the main wings&Screws. Firstly,please insert the connecting rod into right and left main wings and connect them together.Then please connect aileron servo with Receiver by the Y cable. Finally,please put the assembled main wings to the right position on the back of fuselage and lock them by the screws.Please make sure there is no gap or shaking.



3.Close the canopy.then the assembly of "lightning"is finished



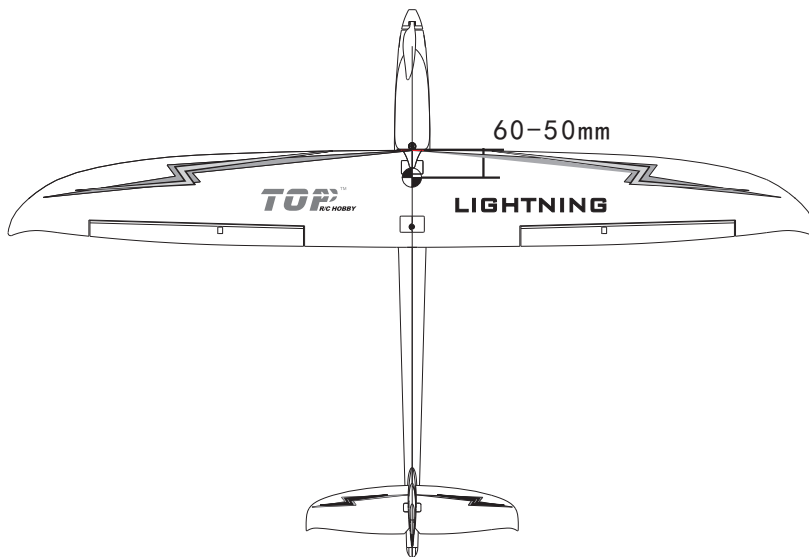
Adjustment steps

When the servo arm is at the natural position under power on, please adjust the horizontal wing to the location as showed in the picture.



Confirmation of CG Location

Check the center of gravity and make sure the CG of this plane should be within the range 60-50mm away from the leading edge of the main wings as indicated in the picture.



Safety precautions

- 1.If you have the simulator, we suggest that you can practise your skill by the simulator before you fly this model,which will bring some help for you.
- 2.Please climb the plane above the 50 meters with half throttle to fly it when you fly it for your first time, then you will be familiar with the performance of this plane.
- 3.You should learn how to control this model blandly, it will reduce the possibility of crash and prolong the usage life of the plane.
- 4.The turn radius should not be too little,or it will stall and it will increase the possibility of crash.
- 5.When taking off or landing the plane, you should against the wind.
- 6.Do not fly the model over your head or behind you, you should fly the model in front of you.

Spare parts



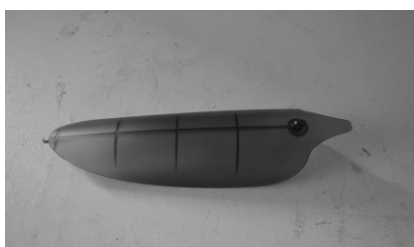
No:TOP03501
Fuselage set



No:TOP03502
Main wings set



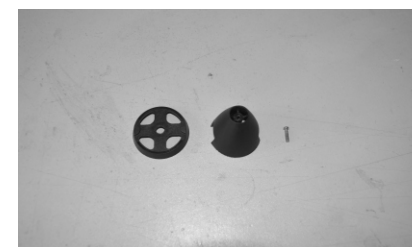
No:TOP03503
Horizontal wings set



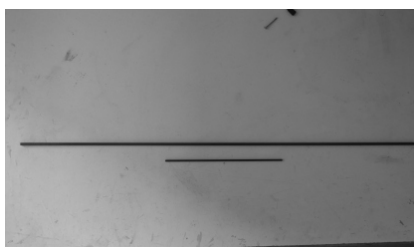
No:TOP03504
Canopy set



No:TOP03506
Propeller set



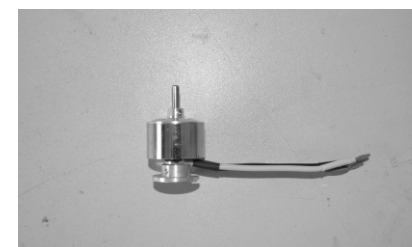
No:TOP03505
Spinner set



No:TOP03507
Connecting rod



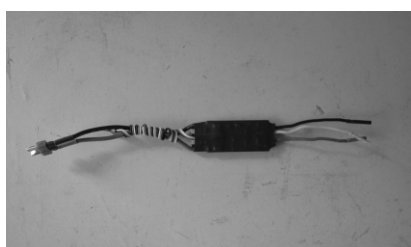
No:TOP03509
Connector for propeller set



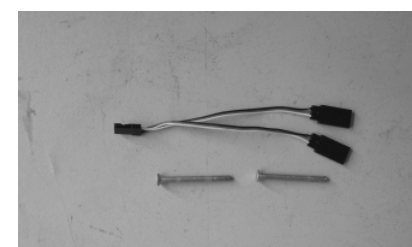
No:TOP40601
Out runner brushless C2415-1150KV



No:TOP30207
9g servo(metal gear)



No:TOP20401
40A Brushless ESC
(with brake function)



No:TOP03508
Spare parts bag



No:Top30201
9g servo(plastic gear, wire:400mm)

Lightning

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Shenzhen Top RC Hobby Co., Ltd
www. toprchobby.com

Tel: 0086-(0)755-27559991
Fax: 0086-(0)755-27559990



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