

TOPTM
R/C HOBBY

BLAZER

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

- ★ Blazer is configured with two main wings. One main wings is suitable for the beginner, and the other one is suitable for the middle class or experienced pilot, which can achieve the effect of one airplane in two different flying way.
- ★ With the trainer main wings, it can achieve the stable flight and easy to control. Our Blazer cannot stall even under the middle speed or lower speed flight. It also can finish inside loops, outside loops, inverted flight, axial roll and other aerobatic action.
- ★ With the sports main wings, it can achieve the high speed flight and flexible manipulation. Besides, it can finish loops, inverted flight, axial roll and other aerobatic action more smoothly.
- ★ With optimal design on propeller, the efficiency is up to 6g/w. With the 11.1V, 2200mAh Lipo battery, the flight time even can achieve 8-12 minutes.
- ★ With the modular design and humanized design on our Blazer, it can assemble or disassemble the main wings& horizontal wings& vertical wings& main landing gear easily without any glue or other tools. Really 100% convenient to carry and maintain.
- ★ Featured with demountable design for front landing gear, it is not only ensures the structural strength but also achieves the effect of shock absorption. The high strength aluminum alloy main landing gear also use the demountable design, it can highlight the nice outlook of it, also can ensure the strength of it.
- ★ Featured with optimized structure design& durable and crash-resistance& high practicality and vivid color scheme, it is the best choice for the beginner.
- ★ With the automatic heat dissipation function on the motor, it ensures the high efficiency and prolongs the use life of the motor.
- ★ On the connection between the elevator& rudder & front wheel joystick and servos, our blade uses the aluminum alloy regulator, it make easy to disassemble and adjust the controlling steel wire.
- ★ All the servos can be detachable easily, it is convenient to disassemble and maintain.

Main specifications

★Wing Span	
(1)Trainer version	1280mm
(2) Sports version	1200mm
★Length	942mm
★Weight	1152g
★Thrust rate	1:1
★Flying time	≥8min

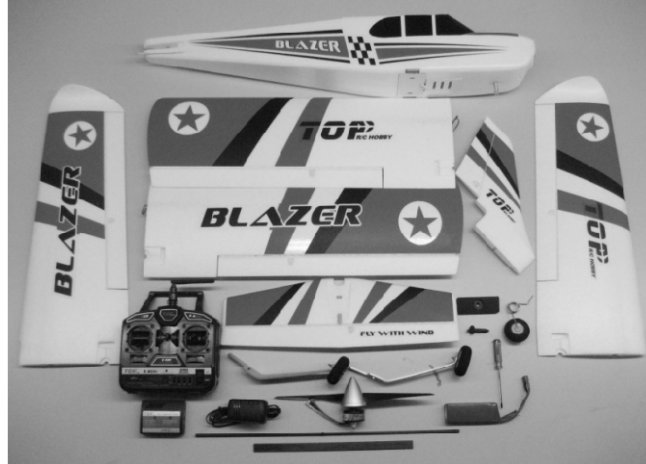
Main configuration

★Radio system	4CH
★Motor	TOP3511-750KV
★Battery	2200mAh 20C 11.1V
★ESC	30A
★Servo	9gX4

Product constitution

RTF version

Fuselage, Trainer Main Wings, Sport Main Wings, Horizontal Wing, Vertical Wing, Main Landing Gear, Front Landing Gear, Propeller, Battery, Charger, Radio, Accessory Bag.



ARF version

Kits without radio

PNP version

Kits without radio, charger and battery

KIT version

Without any electronic parts

Assemble processes

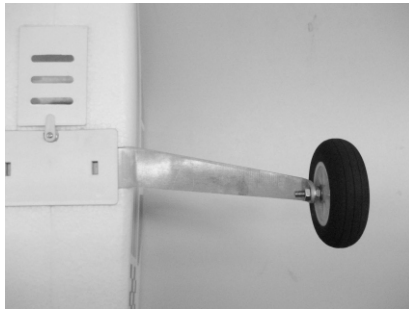
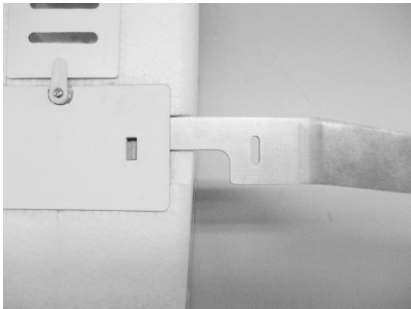
1. Assembly of the front landing gear

Take of the fuselage&front landing gear&hexagon wrench from the box. Insert the front landing gear to the mounting hole at the bottom of fuselage. Please make sure that the gap position of steel wire is aligned with the screw holes in the aluminum alloy sleeve. Then lock the front landing gear by the HLM3*3MM screw.



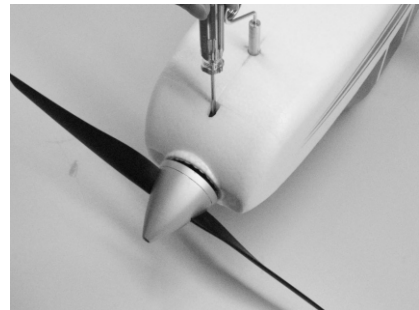
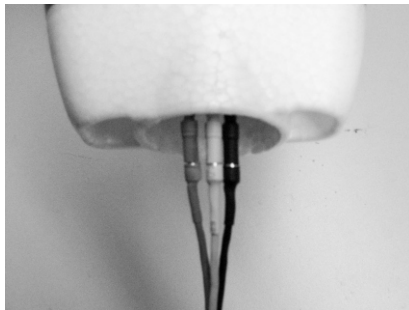
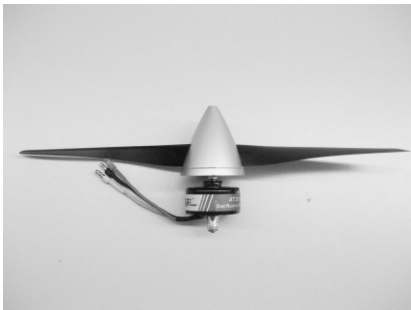
2. Assembly of the main landing gear

Take of the aluminum alloy main landing gear and insert it to the assembling groove at the underpart of the fuselage. Please make sure that the square hole in the landing gear is aligned with the square hole in the plastic mount.



3. Assembly of the power system

Take of the assembled power system and pull the ESC wires from the top of the fuselage (Notice: The cowling is detachable), please connect the motor with ESC plug (black wire of the motor should be connected to black wire of the ESC, red wire of the motor should be connected to the red wire of ESC, yellow wire of the motor should be connected to the yellow wire of the ESC). Using screw driver to loose the screws (PM3.6MM)at the motor mount, and insert the motor into the motor base (Please make sure the screws should be locked well). Then lock it well.



4. Assembly of the tail wing

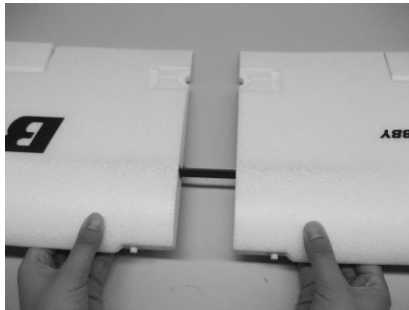
Take of the horizontal wings&vertical wings from the box. Please install the horizontal wings&vertical wings to the assembling groove at the tail parts of fuselage as per the right direction. Then connect the controlling steel wire of rudder, and make sure that the clip is at the outermost hole on servo arm.



Assemble processes

5. Assembly of the main wings

Take of the right and left main wings&connecting plate&plastic locating seat&positioning pin from the box. Please connect the left and right wings by the connecting plate, then connect aileron servo wires. Assemble the main wings to the fuselage and lock it by the plastic locating seat and positioning pin(Please note that the gap of positioning pin is toward the head of fuselage).

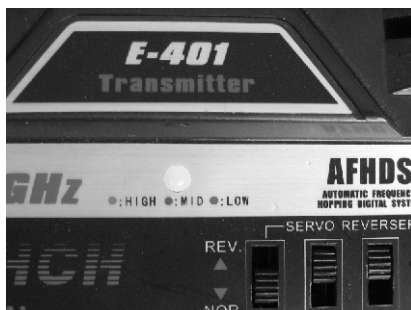


6. Finished the assembly of "Blazer".



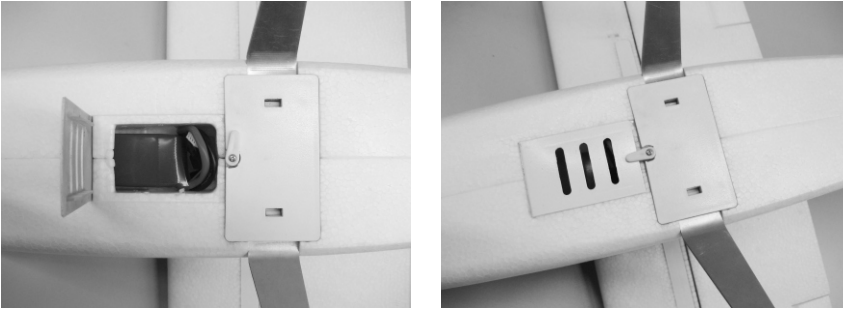
Adjustment steps

1. Turn on the transmitter and please make sure that there is enough power for the transmitter. Push the joystick for the throttle and throttle trim switch to the lowest position, and keep other trim switch be in the neutral position.

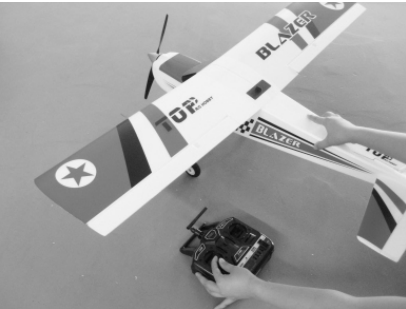


Adjustment steps

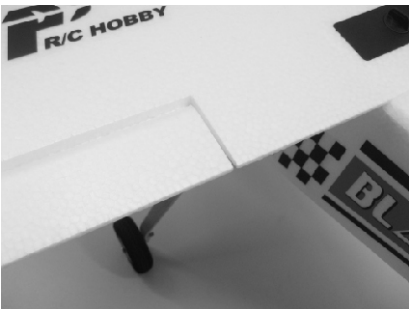
2. Please connect the battery to the ESC plug, and put the battery into the battery case well, then close the battery cover.



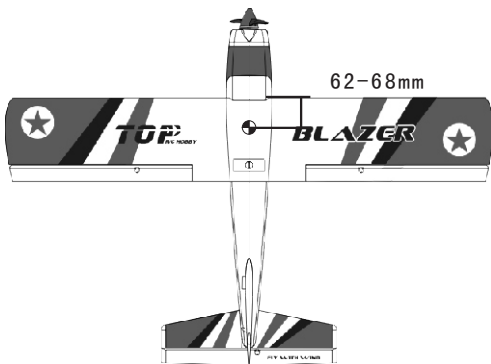
3. Please catch the back part of the fuselage and push the throttle slowly, which can check whether the motor can work or not.



4. Please check the collet to confirm whether it become loose or not, and make sure that the control surface is in accordance with the movement of joystick.



5. Check the center of gravity and make sure that the CG of the plane should be within the range as indicated by the arrows.



Adjustment steps

6. Finished the adjustment for "Blazer".



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.

Charging method and cautions

Li-Po battery(balance changer) specifications

Specifications:

Input voltage: DC 10V~15V

Output voltage:2S-3S Li-Po battery

Charging current: 1.0A

Indicator state:

Green: Charge complete & no battery

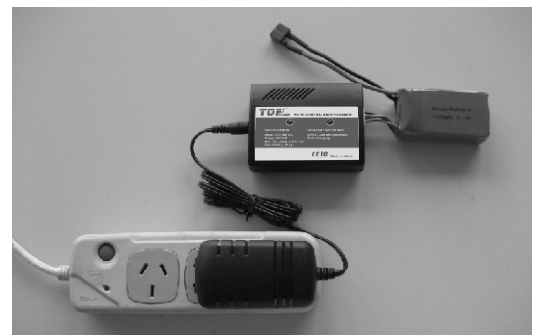
Red: Charging

The batteries are inspected separately. When the voltage reaches 4.20V, the charging process stops.



Operating

1. Then plug cigarette into its socket in car (Adapter should be connected if charge at home: connect the adapter to home power socket, then plug the adapter' DC end to charger). The LED will turn green indicating it is ready for charging.
- 2.Connect the battery to charger per its interface mark. The LED becomes red, which means charging is on the way.
- 3.When LED flashing, the charger will enter the stage of drip current charging. The LED turns green when fully charged , and the battery will be used at any time.



Notice

1. While charging is in process, please do not make it near flammable materials.
2. Expect Li poly battery, this charger is not allowed for other kinds of battery.
3. While charging, please keep it out of the reach of Children.
4. When this charger is in use, please do not go away and leave it unwatched, if any abnormality occurs (such as the power indicator is off, the temperature of the battery rise rapidly, etc.) stop charging immediately.
5. Please do not use power with output voltage higher than 15V.
6. Please do not disassemble the charger or its accessories.
7. When the battery is not cool down, please do not urge to charge it.

Notice

1. Be fully charged under no more than 1 A voltage by using the specified charger.
2. Be discharged under 10C voltage but avoiding discharge time too long to harm the battery.
3. Repeat the first and second step one or two times.
4. When the Li-poly battery was stored more than 3 months, it needs to be recharged to maintain its voltage, and ensure its life time.

Safety Instruction of Li-Po/Ni-MH battery

1. Do not disassemble or reconstruct the battery.
2. Do not short-circuit the battery.
3. Do not use or leave the battery nearby the fire, stove or heated place (more than 80°C).
4. Do not immerse the battery in water or sea water, do not get it wet.
5. Do not charge the battery under the blazing sunlight.
6. Do not drive a nail into the battery, strike it by hammer or tread it.
7. Do not impact or toss the battery.
8. Do not use the battery with conspicuous damage or deformation.
9. Do not charge a warm battery. Allow it to cool completely before attempting to charge.
10. Do not reverse charge or over discharge the battery.
11. Do not connect the battery to the ordinary charger socket or car cigarette jack.
12. Do not use the battery for unspecified equipment.
13. Do not touch the leaking battery directly, please wash your skin or clothes with water if they are bedewed by liquid leaking from the battery.
14. Do not mix the Li-Poly battery with other un-chargeable battery in using.
15. Do not continue charging the battery over the prescribed time.
16. Do not put the battery into the microwave oven or high-pressure container.
17. Do not use the abnormal battery.
18. Do not use or keep the battery under the sunlight.
19. Do not use the battery nearby the place where generates static electricity (over 64V).
20. Do not charge the battery when the environmental temperature is under 0°C or over 45°C.
21. If you find the battery leaking, smelling or abnormal, stop using it and return it to the seller.
22. When the battery is charging, please do not make it near the flammable materials!
23. Keep the battery away from the children.
24. Use the specified charger and observe charging requirement (under 1A).
25. When using by minors, parents should show them to the correct instruction.

Notification for ESC

1. The function of this ESC was in the best condition after factory setting; please do not change it by yourself.
2. Before connecting the battery, please make sure the throttle and trim were in the lowest position. If the throttle and trim were not in the lowest position by mistake after connecting the battery, you can cut off the battery; move the throttle and push to the lowest position, then connect the battery.
3. The ESC of the airplane was in a good cooling position after factory assembly; please do not move its position.
4. The ESC should be connected to the brushless motor correctly, otherwise the motor will be reversed turning, and the model airplane can not fly correctly.

Spare parts



No:top 01901
Trainer main wings



No:top01902
Sports main wings



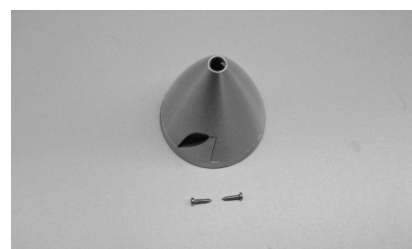
No:top01903
Fuselage



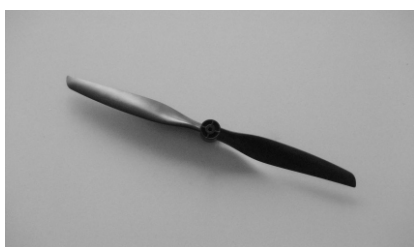
No:top01904
Horizontal wing



No:top01905
Vertical wing



No:top01906
Spinner



No:top01009
Propeller



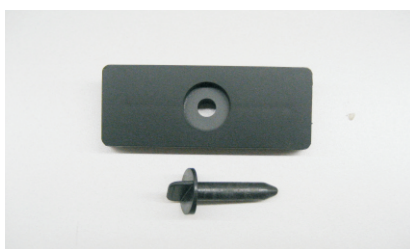
No:top01907
Main landing gear



No:top 01908
Front landing gear



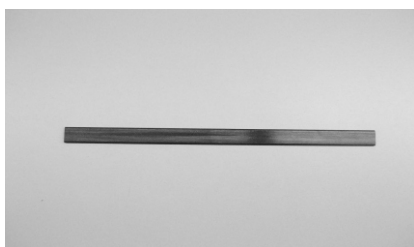
No:top 01909
Cowling



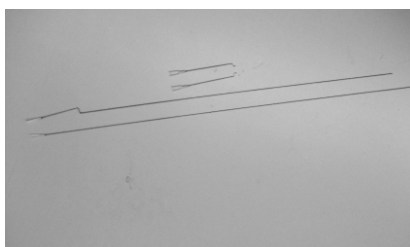
No:top01910
Main wings securing parts



No:top01911
Connecting rod



No:top01912
Connecting plate



No:top01913
Controlling steel wire



No:top203
30A Brushless ESC

Spare parts



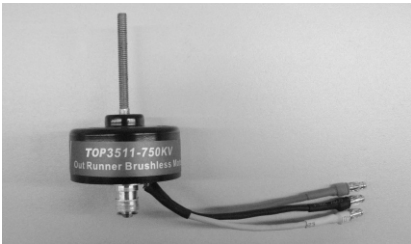
No:top30201
9g Servo (400mm)



No:top30204
9g Servo (150mm)



No:top507
Battery (11.1V,2200mah)



No:top40202
Motor (TOP3511-750KV)

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TOPTM
R/C HOBBY

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