

TOPTM
R/C HOBBY

Geebee R3R

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 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 "GeeBee R3R" remote control model airplanes from Top RC, and we hope this plane will bring endless joy to you after you choose it.

- ★Our GeeBee R3R used EPO foam material with high crash-resistance advantage;
- ★With the main wings and main landing gear bracing wire, it made the landing gear very strong;
- ★With the idea airfoil shape and perfect loads distribution, it can fly stable and easy to control, and it also can finish inverted performance perfectly;
- ★With the building block design for power system& main wings& vertical wing& horizontal wing, it is easy to assemble and maintain;
- ★With the beautiful appearance and vivid painting.

Main specifications

- ★Wingspan 1200mm
- ★Length 1140mm
- ★Weight 1150g
- ★Thrust $\geq 1200g$
- ★Flying time ≥ 5 min

Main configuration

- ★Radio system 4ch
- ★Motor TOP3511-800
- ★Battery 2200mAh 11.1V 20C lipo battery
- ★ESC 30A brushless
- ★Servo 9gX2 17gX2

Product constitution

RTF version

Fuselage, right and left main wings, horizontal wing, vertical wing, landing gear, power system, battery, charger, radio set, manual and accessory bag.



ARF version

Kits without radio

PNP version

Kits without radio, charger and battery

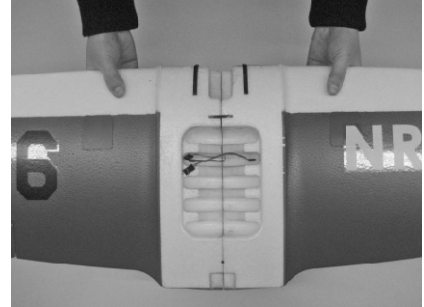
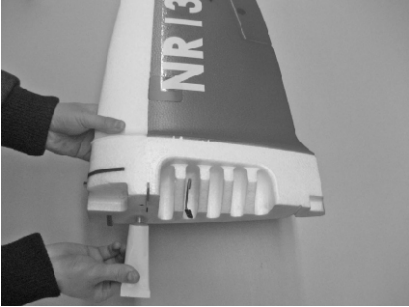
KIT version

Without any electronic parts

Assemble processes

1. Install main wings

Take of the main wings and EPO foam glue. Please add some EPO foam glue to the right and left wings, then stick the right and left wings together after about 3~5 mins.



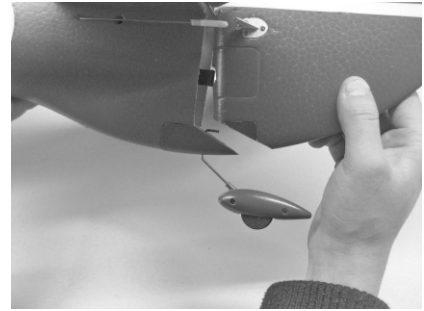
2. Assemble the power system

Take of the power system&fuselage& screwdriver from the box. Please loose the motor screws by the screwdriver, and please instal the ESC& power supply plug&receiver wire into the fuselage through the heat dissipation hole . Please make sure that the motor should be assembled to the motor base well, then please use the screwdriver to lock the motor.



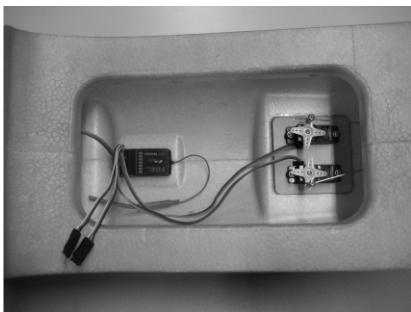
3. Assemble the horizontal wing & vertical wing

Take of the horizontal wing&vertical wing&screwdriver &fixed screw(PA3*22MM) from the box. Please assemble the horizontal wing as per the following pictures. The elevator surface should be faced down, and please make sure that the wooden board should be inserted to the installment slot in the middle of the fuselage, the hole location of the board should be matched with the backside of the fuselage, then please lock it by the PA3*22MM screw. Take of the vertical wing and insert the tail wing steel wire into the plastic hole, then please assemble it to the hinge of the fuselage. At last, please connect the control steel wire collet.



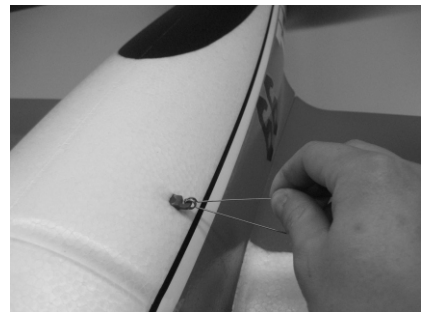
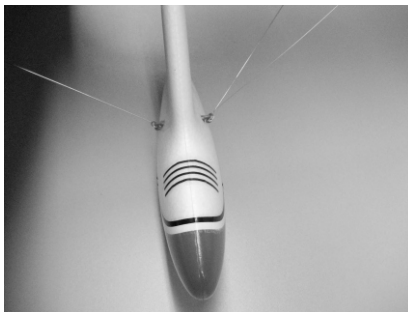
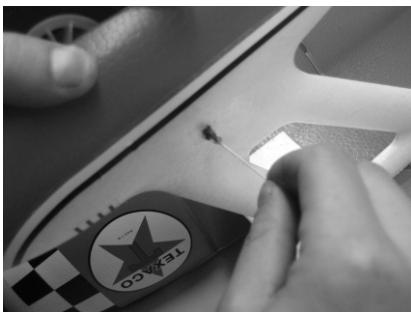
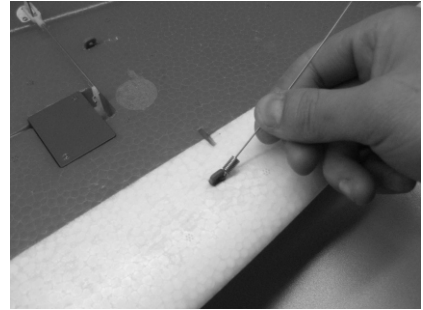
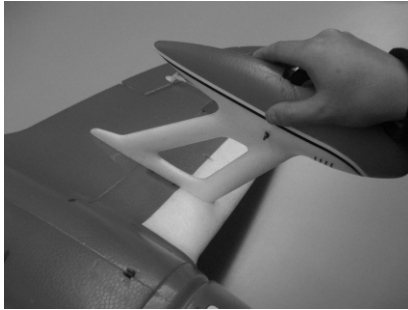
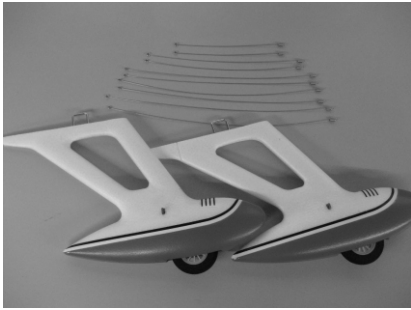
4. Assemble the main wings

Take of the main wings& wing locking part&locking screw(KM4*55MM)&screwdriver from the box. Please connect the ESC &receiver &aileron servo wire, then please assemble the main wings to the fuselage and lock it.



5. Assemble the landing gear

Take of the right and left landing gear&bracing steel wire from the box. Please insert the landing gear into the slot of the main wing and use the bracing steel wire to connect the main wings&landing gear &fuselage together.

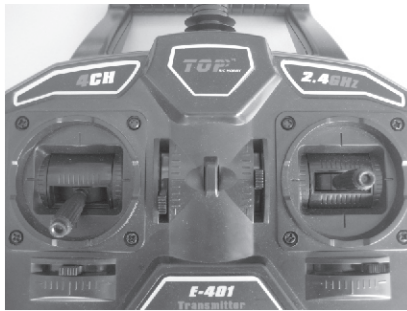


6. Finish the assembly of GeeBee R3R



Adjustment steps

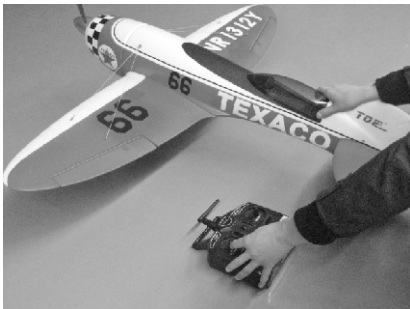
1. Turn on the transmitter, and please make sure that there is enough power for the transmitter. Push the joystick for throttle and throttle trim switch to the lowest position, and other trim switch should be in the neutral position.



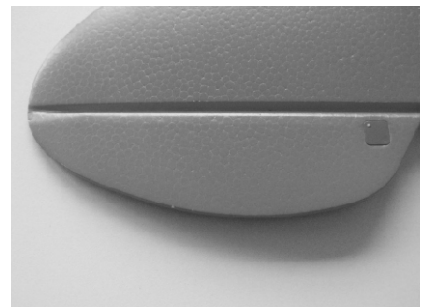
2. Please make sure that the battery is full power, and connect to the ESC plug, then install the battery into the battery case.



3. Please catch the back part of the fuselage and push the throttle slowly to make sure that the motor can work normally.

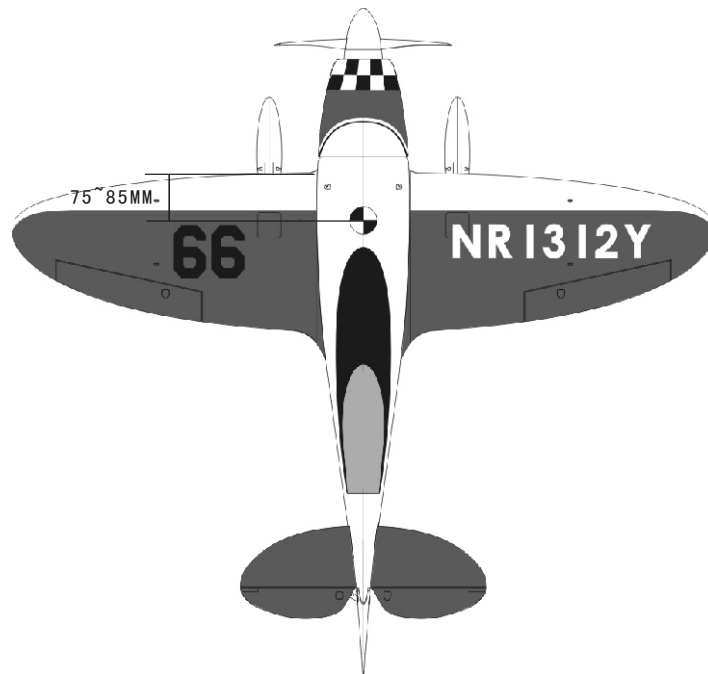


4. Please check the control surface and front wheel can work or not. Do not make it reverse, and make sure that the control surface & free wheel and the joystick are in the same direction.



Adjustment steps

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.



6. Finished the adjustment for "Geebee R3R"

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

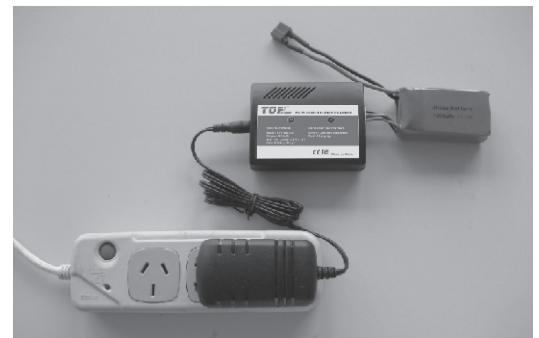
Red: Charging

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. Except 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.

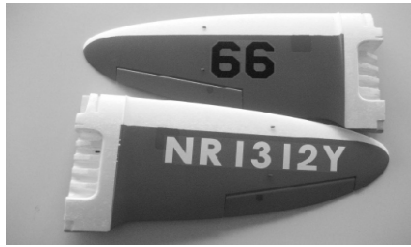
Notification for ESC

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.

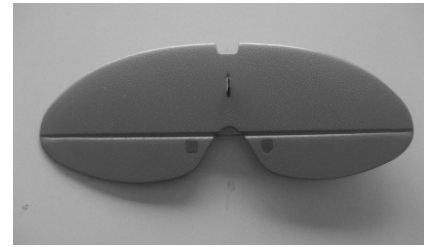
Spare parts



No:top01001
Fuselage



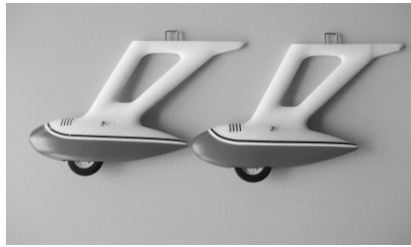
No:top01002
Main wings



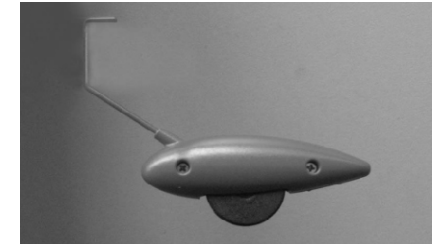
No:top01003
Horizontal wings



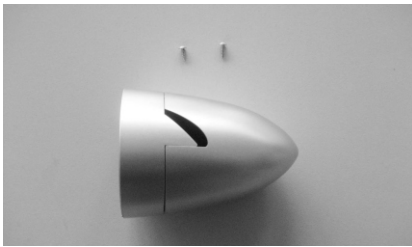
No:top01004
Vertical wing set



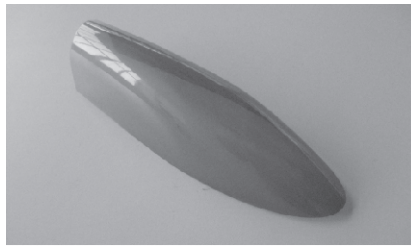
No:top01005
Main Landing gear



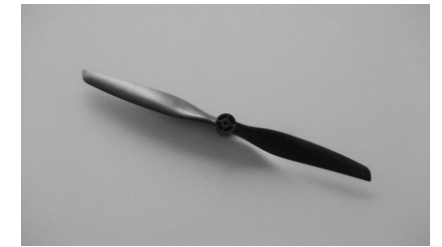
No:top01006
Tail Landing gear



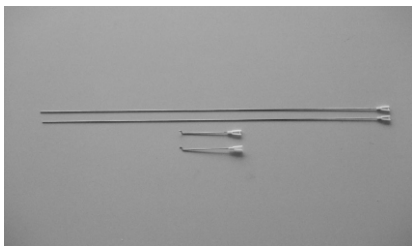
No:top01007
Propeller spinner



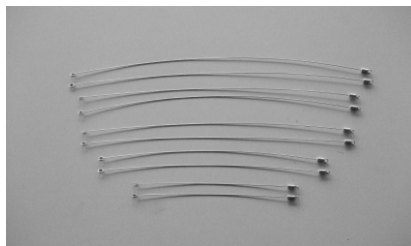
No:top01008
Cabin



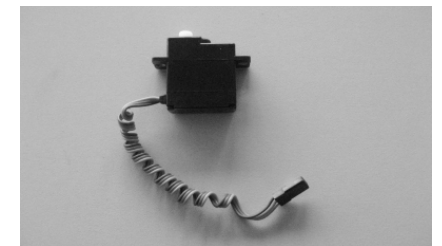
No:top01009
Propeller set



No:top01010
Control steel wire



No:top01011
Bracing steel wire



No:top303
17g servo



No:top30201
9g servo (400mm)



No:top507
11.1V,2200mah lipo battery



No:top4021
Motor (TOP3511-8000KV)



No:top203
30A Brushless ESC

Geebee R3R

Radio Control Model Airplane

TOPTM
R/C HOBBY

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