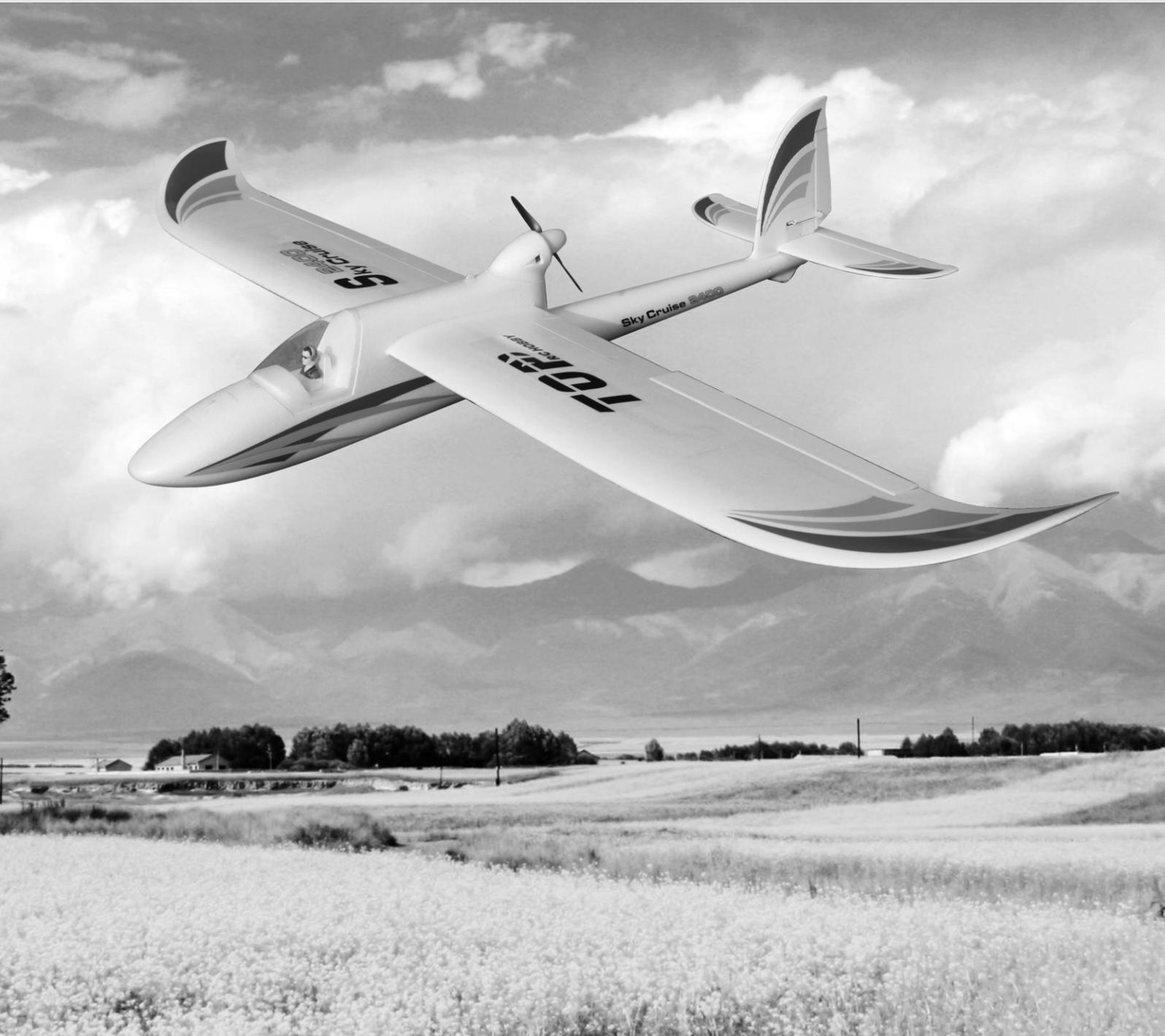


TOPTM
R/C HOBBY

SkyCruise 2400

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 "Sky Cruise 2400" remote control model airplanes from Top RC, and we hope this plane will bring endless joy to you after you choose it..

1. Configured with two different power systems: propeller and ducted fan, you will enjoy different flying fun only with one airplane. And these two power systems can be exchanged very easily and conveniently.
2. With the modular design and humanized design for our Sky Cruise 2400, the main wings are easy to assemble by a plastic screw. With the detachable horizontal wings and vertical wings, our Sky Cruise 2400 is easy to carry and maintain.
3. With the wireless camera location in the front of head, it is convenient for the customer to upgrade and install the FPV system.
4. With the automatic heat dissipation function on the motor, it ensures the high efficiency and prolongs the use life of the motor.
5. Configured with the rear servo, it makes the higher efficiency for the servo and it is also very easy to assemble or maintain.
6. With the large cabin, it is convenient for the heat dissipation of the electronic parts, and it is also convenient for customer to load other parts.
7. Our Sky Cruise 2400 uses some composite material, it dose not only reduce the flying weight but also ensure the strength for airplane.
8. With the scuff wheel at the bottom of fuselage and the stainless steel skid at the tail part, it ensures that this glider is not easy to scratch when landing.
9. With chafing pieces on the main wings, it ensures the strength of main wings and avoids any scuffing when landing and it also good for stable flight.
10. Our Sky Cruise 2400 can carry high capacity battery to achieve longer flying time.

Main specifications

★Wingspan	2400mm
★Length	1518mm
★Weight	2250~2300g
★Thrust	Propeller power system: $\geq 860g$ Ducted fan power system: $\geq 760g$
★Flying time	Propeller power system : $\geq 10min$ Ducted fan power system : $\geq 7 min$

Main configuration

★Radio system	6CH /4CH
★Motor	Propeller power system:C2412-1200KV Ducted fan power system:D2830B-3850KV
★Battery	3600mAh 20C 11.1V
★ESC	40A
★Servo	17g*6

Product constitution

RTF version

Fuselage, Main Wing, Horizontal Wing, Vertical Wing, Propeller power system, Ducted fan power system, Connecting rod, 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

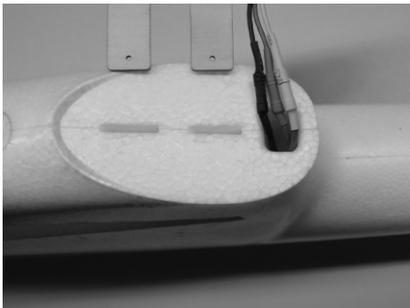
1. Assembly of Tail wings

Take of the horizontal wings & vertical wings from the box. Connect the servo wires correctly according the numbers. Then, please install the horizontal wings & vertical wings to the assembling groove at the tail parts of fuselage as per the right direction. Besides, please lock the tail wings with screw PA2.6*12MM.



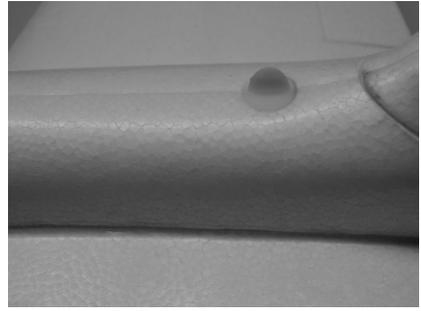
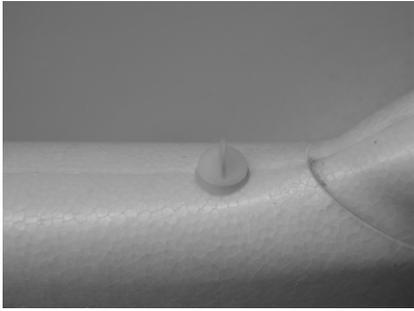
2. Assembly of the Power system (Take propeller power system as reference)

Take of propeller power system, 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). Please insert the power system to the assembling groove at the back of fuselage, then please lock it to fuselage by screws PA2.6*12MM.



3. Assembly of the Main Wings.

Take of the right and left main wings & connecting rod from the box. Please pull out the securing pin from the fuselage by rotating 90° and insert the connecting rod into one of the main wings. Then please connect the aileron servo wire and flaps servo wire as per the number, and insert the main wings into the assembling groove of the fuselage. Please use the same way to connect the other main wings. After finished the assemble of the right and left main wings, please be noted that the hole location of the fuselage & right main wings & left main wings should be in one line. At last, lock them with securing pin (Please note that the gap of securing pin is toward the head of fuselage).

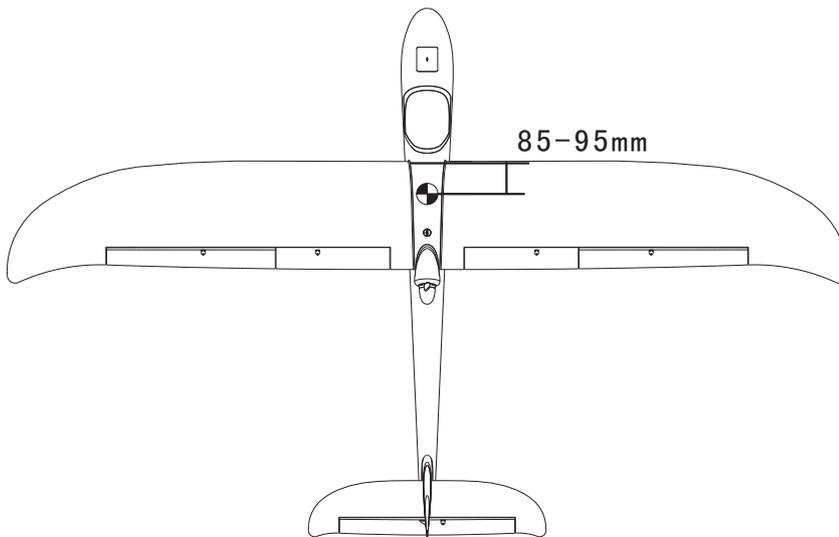


4. Finish the assembly of "Sky Cruise 2400"



Confirmation of CG Location

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



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.

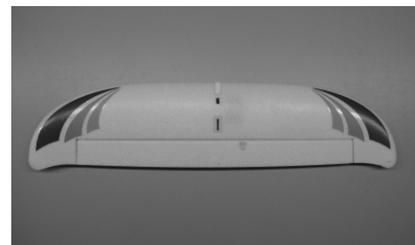
Spare parts



No:top02001
Fuselage set



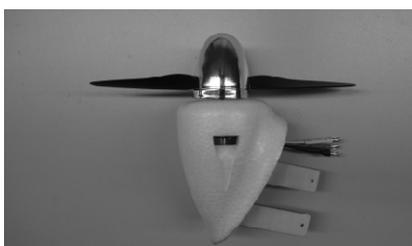
No:top02002
Main wings set



No:top02003
Horizontal wings set



No:top02004
Vertical Wing set



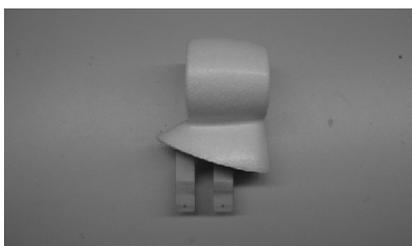
No:top02017
Propeller power system



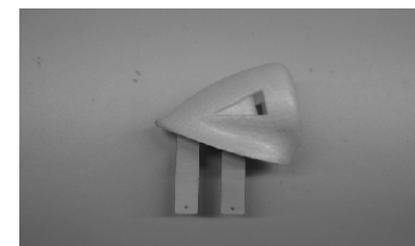
No:top02018
Ducted fan power system



No:top02005
Cabin with pilot



No:top02008
Ducted fan assembling set



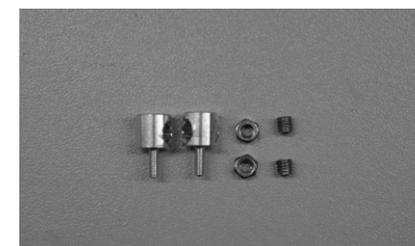
No:top02007
Propeller assembling set



No:top02009
8*6inch Propeller



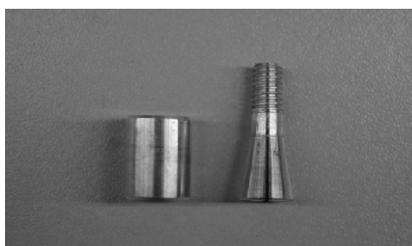
No:top02006
Spinner



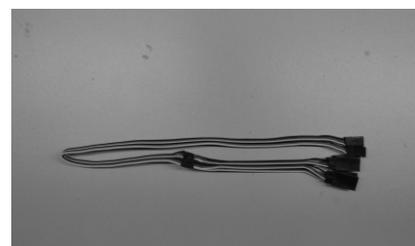
No:top02012
Metal Regulator



No:top02013
screw set

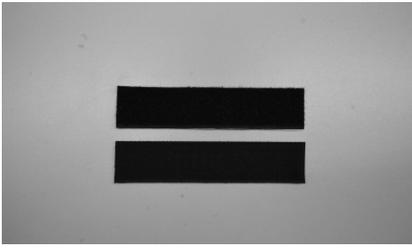


No:top02014
Ducted fan connector

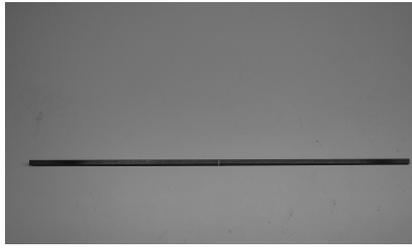


No:top02016
Y wire set

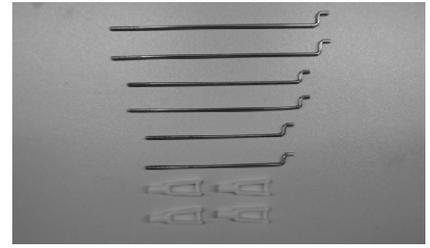
Spare parts



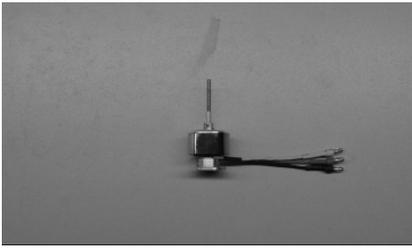
No:top02015
Velcro backing



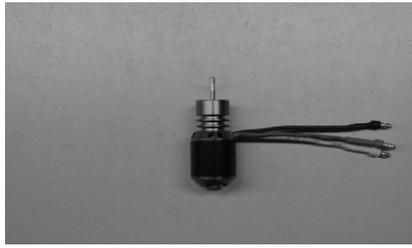
No:top02010
Connecting rod for main wings



No:top02011
steel wire set



No:top40501
Out runner brushless
C2412-1200KV



No:top40502
Out runner brushless
D2830B-3850KV



No:top508
LI-PO 3600mah,11.1V, 20C



No:top30303
17g servo(60mm)



No:top30302
17g servo(400mm)



No:top204
40A Brushless ESC

SkyCruise 2400

Radio Control Model Airplane

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R/C HOBBY

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