

Please read before operating this system!

F4U CORSAIR

OPERATING MANUAL



CATALOG

★Brief introduction	03
★Safety precautions!	04
★Charge Mode and Warning	06
★Safety Instruction of Li-Poly Battery	07
★Assembling step for F-4U	08
★Speed controller operation	12
★Functions for control set	13
★Picture of control Set connection	13
★Center of Gravity Check	14
★Trouble shooting	14
★Spare parts list	16



Brief introduction

We would like to thank you for purchasing the innovative new product F4U Corsair, designed for the hobby enthusiast. Please read the instruction carefully before flying in order to use safely!

Main Technology Parameter

Advanced

Wing span: 1000mm

Length: 835mm

Flying weight: 700g

Motor: Brushless motor

Battery: 11.1V 1300MAH

Radio: 4ch

FM: Frequency could be seen on the product.

Configurable Parts of F-4U:

Fuselage, main wing set, rudder, elevator, main landing gear, transmitter, battery, charger, button, Propeller, canopy, instruction.



※ These specifications are subject to change without notice or liability.

Safety precautions

- 1、 Do not fly in rain, strong wind and thunder weather.
- 2、 Do not fly near airport, railway, road and electricity wire
- 3、 Do not fly near the crowd.
- 4、 Do not fly near other with the same frequency.
- 5、 Check model and radio control set work well before flying.
- 6、 Please use replacement from Art-Tech.

Safety precautions!

Please read this section until you fully understand!

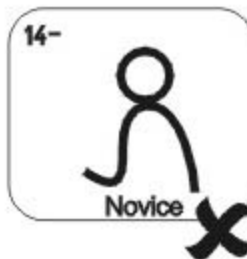
1) Do not fly in Strong wind or bad weather.



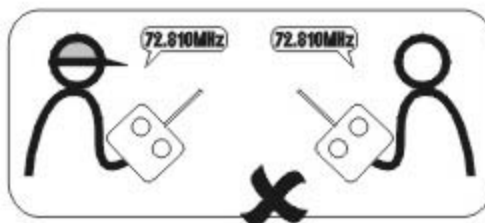
2) Never fly the model in crowded areas, where there are lots of people, automobiles on the road and power lines overhead. Also not to fly around the airport. Please make yourself enough room for the flying and operating, as the plane can travel at high rates of speed. Remember you are responsible for the safety of others.



3) Children under the age of 12, should have an adult guide. Not recommend for the children under the age of 14.



4) Please do not fly in the same area with similar frequency, or that can cause crash.



5) Never leave the charger in wet conditions.



6) The F4U is made from PA and polythene which are tinder. When it meets the heat, transfiguration can easily happen, so you must keep your F4U away from heat.



7) Do not attempt to catch the F4U Corsair while it is flying.



8) Never leave this system unattended around children with battery in the unit, as injury can be caused due to children turning on the transmitter or the plane.

9) During the preparation for the flight, please remember to turn on the transmitter before connecting the battery pack.



10) Close the throttle on the transmitter before connecting battery otherwise the motor may operate. The turning propeller may cause injury.



Statement

- 1、 The R/C plane is not a toy, it is suitable for the experienced operator. You must ensure it operated safely and do not harm others.
- 2、 Installation must follow the instruction book. Make sure you keep your body (head, finger, etc) away from the propeller at all times. Otherwise it can cause injury you or damage the model.
- 3、 Customer must be responsible for the proper operation of the plane. Our company and dealer won't pay for any loss owing to the inappropriate operation.

Charge Mode and Warning

Charge the Lithium polymer battery with the supplied wall charger. Observe the polarity of the battery and the charger and ensure that the connection is correct, do not force the connector or damage may result. The Lithium charger is capable of charging the lithium Polymer battery at 1 C or 1 Amp. Please charge your battery prior to the first use so that you start with a freshly charged battery. To ensure safe operation do not charge the battery for extended periods of time. Never leave the charger unattended and never leave the charger on overnight. Adult supervision is required during the charging of lithium batteries. The supplied 1300Mah LI-Poly battery should be charged with the LI-Poly battery charger only. Charging the battery with a charger not designed specifically for lithium batteries can cause fire or and explosion of the battery. Please observe all safety instructions, if the battery ever becomes puffy or is damaged dispose of the battery in a safe container outdoors away from flammable materials.



- 1、 Do not put the battery on or near anything that can catch fire when charging.
- 2、 Always charge the battery on none flammable base, i.e. A metal tray.

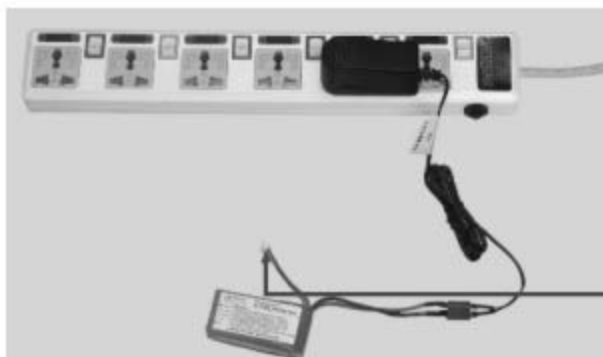
★LI-poly battery charger with LED indicator

Li-poly battery should be charged with special outfit charger and used as per its instruction.



★ Li-poly battery charger w/o LED indicator

In order to avoid the damage to the battery , the charger will be auto-cutoff in 3 to 4 hours when the battery is fully charged.



Balanced charge interface
(The balanced charger should purchase seperately.)

Safety Instruction of Li-Poly Battery

01. Do not disassemble or reconstruct the battery.
02. Do not short-circuit the battery.
03. Do not use or leave the battery nearby the fire, stove or heated place.
04. Do not immerse the battery in water or sea water, do not get it wet.
05. Do not charge the battery nearby the fire or under the blazing sunlight.
06. Do not drive a nail into the battery, strike it by hammer or tread on it.
07. Do not impact or throw the battery.
08. Do not use the battery with conspicuous damage or deformation.
09. Do not make the direct soldering on the battery.
10. Do not reverse charge or over discharge the battery.
11. Do not reverse charge or reverse connect.
12. Do not connect the battery to the ordinary charger socket or car cigarette jack.
13. Do not use the battery for unspecified equipment.
14. 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.
15. Do not mix the Li-Poly battery with other un-chargeable battery .
16. Do not continue charging the battery over the prescribed time.
17. Do not put the battery into the microwave oven or high-pressure container.
18. Do not use the abnormal battery.
19. Do not use or keep the battery under the sunlight.
20. Do not use the battery nearby the place where generates static electricity (over 64V).
21. Do not charge the battery when the environmental temperature is under 0°C or over 45°C.
22. If you find the battery leaking, smelling or abnormal, stop using it .
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 the correct way to charge.

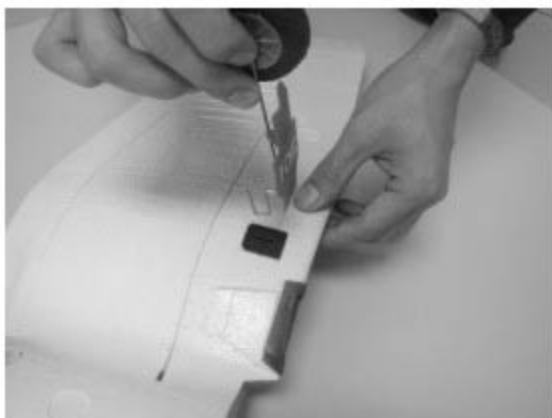


CAUTION

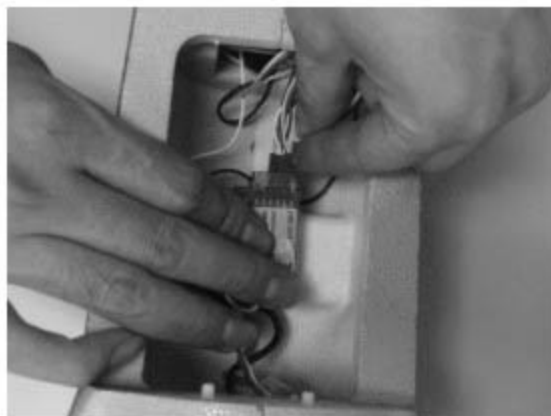
1. Never charge the battery at more than 1 amp.
2. Never discharge the battery at more than 5c and never take the voltage lower than 9v as this will damage the battery.
3. For full flight time to be achieved please cycle the cells through three flights.
4. NEVER charge the battery on a carpet floor, this can cause a fire!

Assembling step for F-4U

- 1、 Insert the main landing gear into the appointed groove in right direct.



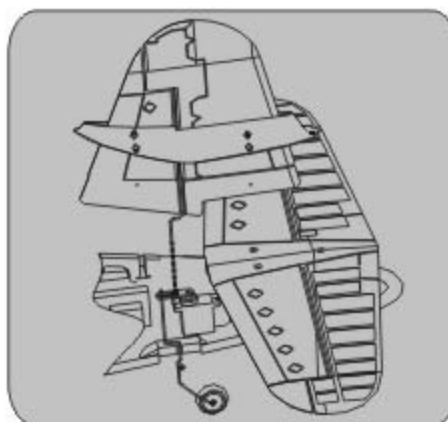
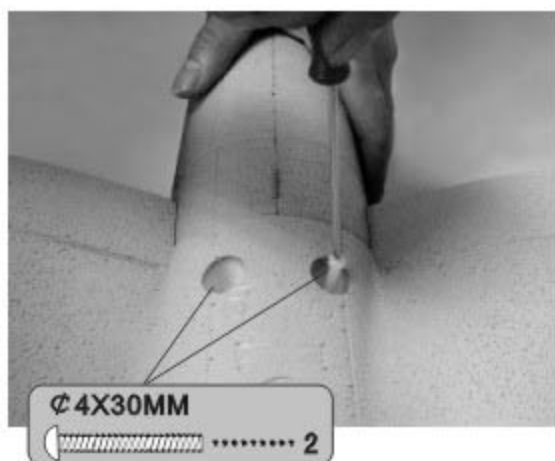
- 2、 Connect the servo wire from main wing to the first channel of receiver.



- 3、 Fix the main wing set to the fuselage properly.



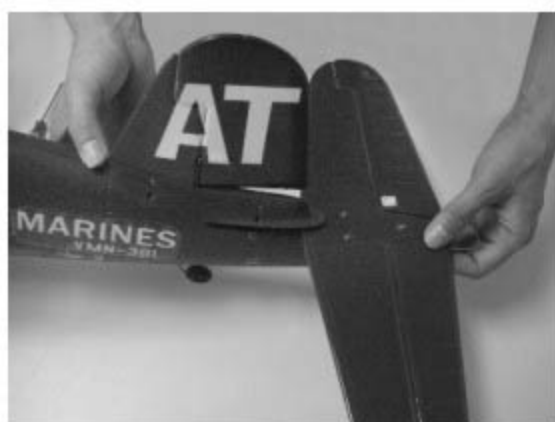
4、penetrate the plastic screw from main wing into fuselage and fix it.

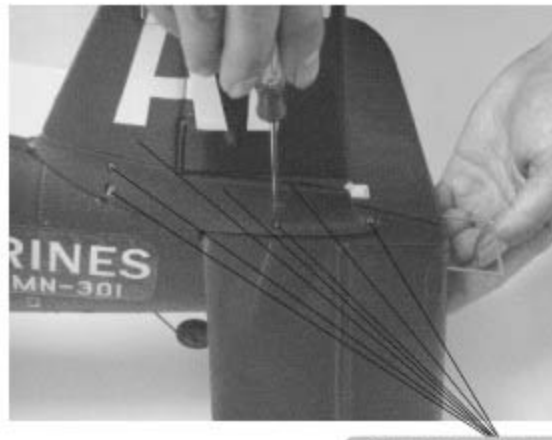


5、Place the vertical fin into the correct slot.



6、Slide the Horizontal stabilizer into the correct slot and fix it in place with screws.

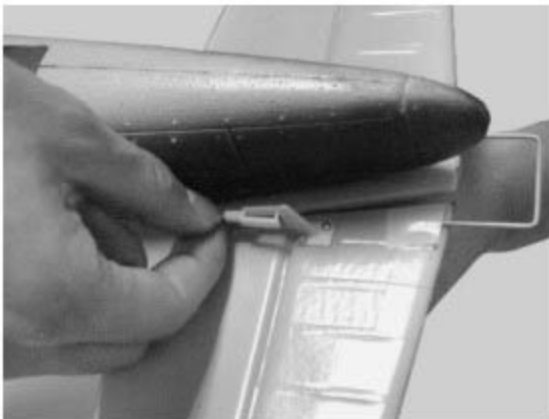




Φ 1.7X10MM



7、 Install the elevator collet properly.



8、 Install the propeller.



9、 Install the spinner.

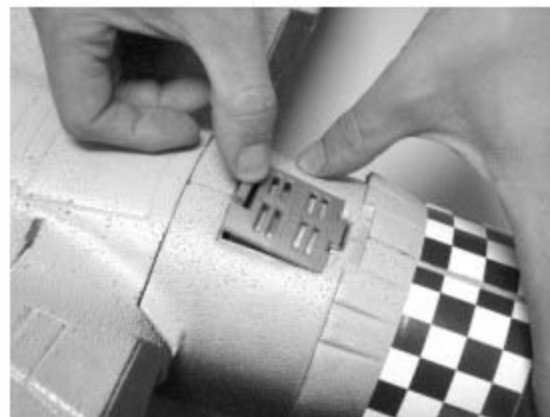


10、 Make sure the back switch on the transmitter is off and that batteries are properly arranged. Before turning on, please position the throttle on idle.



11、 Plug well charged battery to the plane and closed the battery bay.





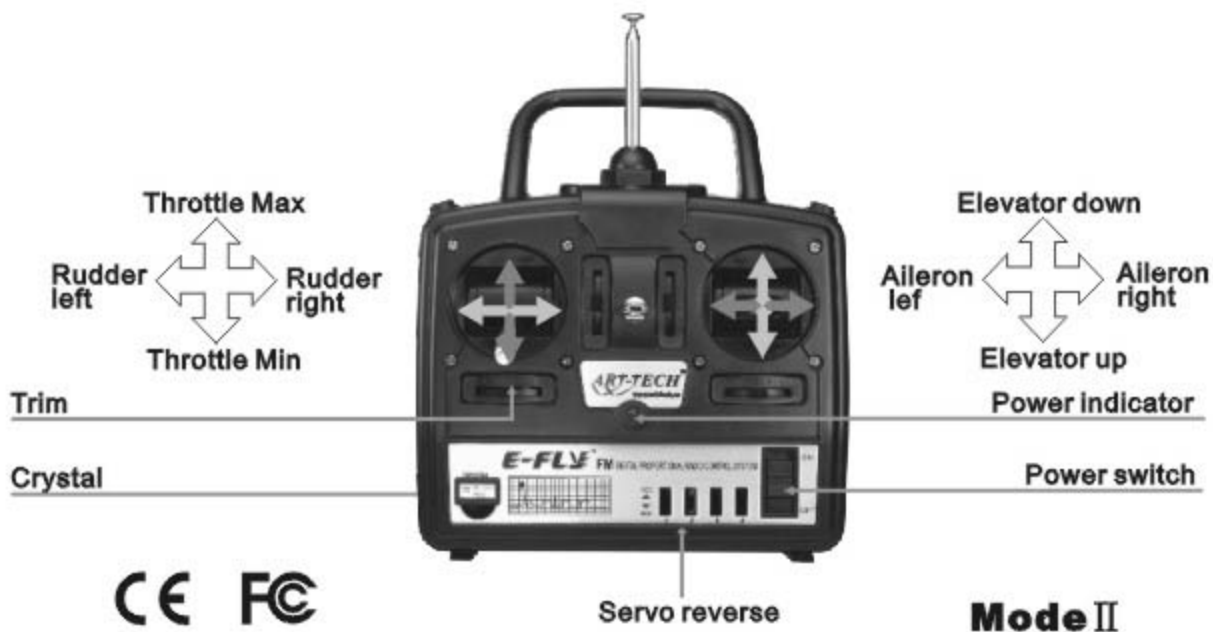
12. Before using, please test function of all joysticks. While testing motor, make sure the propeller is out reach of any person or item and fix the plane.



Speed controller operation

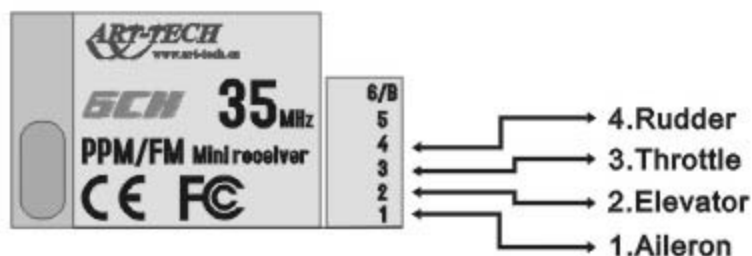
- ① Turn on the transmitter first, then connect battery.
- ② Keep the throttle stick at the lowest level for at least one second, then you are able to open the throttle and the motor will respond. This is a safety feature. If the motor does not work, please reset the controller by disconnecting the battery and repeating steps ① and ②.
- ③ When the battery voltage is lower than safety voltage, the speed controller can auto-cut the power to the motor but still keep supplying power for receiver & servo.

Function of Radio control set



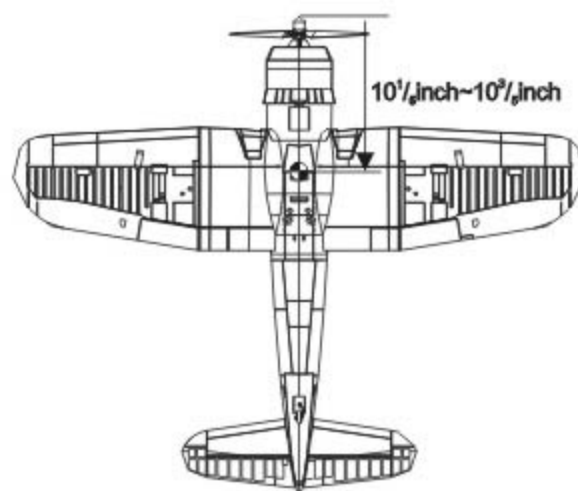
CE FC

Picture of control Set connection



Center of Gravity Check

Please check the CG before heading to the flying field. The center of gravity for your F4U Corsair should fall within the range as indicated by the arrows. For your initial flights, we suggest that you balance the model toward the front to the wing. After you become more familiar with the airplane, you can move the CG more aft. However, under no circumstances should the CG fall behind (toward the rudder) the rear mark. If necessary, adjust the CG by moving your receiver or adding weight to the nose or tail of the airplane.



Trouble shooting

Phenomenon	Problem	How to solve
Motor does not run	<ol style="list-style-type: none"> 1. Battery in plane is not fully charged. 2. Did not push the start switch on the fuselage. 3. The battery in the transmitter is not full. 4. The circuit in the model has been damaged due to crash. 	<ol style="list-style-type: none"> 1. Charge the battery. 2. Push the start switch on the fuselage. 3. Install new dry cells. 4. Contact the distributor
Cannot fly straight	<ol style="list-style-type: none"> 1. The rudder is not centred. 2. The main wing has not been installed on the fuselage center. 	<ol style="list-style-type: none"> 1. Adjust the rudder trim on the transmitter. 2. Reinstall the main wing.
Cannot climb	<ol style="list-style-type: none"> 1. The battery is not fully charged. 2. The elevator is angled downward. 	<ol style="list-style-type: none"> 1. Charge the battery. 2. Adjust the elevator trim on the transmitter.
Control distance is limited	<ol style="list-style-type: none"> 1. The batteries in the transmitter are running flat. 2. The antenna of transmitter has not been completely extended. 	<ol style="list-style-type: none"> 1. Install new dry cells. 2. Completely extend the antenna of the transmitter.

There will be no notice of changes and improvements made to this manual. It is forbidden to copy the content of any part of this manual without written permission.

2007.06

Spare parts list



No:8802
Fuselage



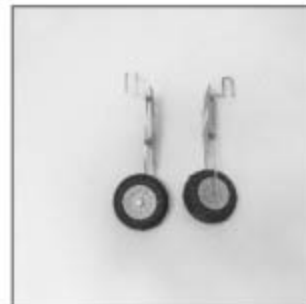
No:8803
Main wing set



No:8804
Tail wing set



No:8805
Propeller



No:8806
Landing gear set



No:8807
Small plastic set



No:301903
LI-Poly battery charger



No:302304
LI-Poly battery



No:301302B
Brushless motor



No:302402
Brushless ESC



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