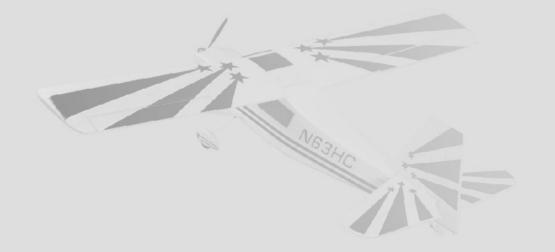


CATALOG

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Introduction

Thank you for purchasing the R/C model Decathlon from Art-Tech. To get it to perform perfectly, please read this introduction thoroughly before operating.

Main Technology Parameter

Standard version

Wingspan: 970mm Length: 770mm Flight weight: 580g Motor Type: 400

Battery: Li-poly 7.4V1300MAH

Radio Control: 4Ch

Frequency Modulation: FM

Included parts:

Fuselage、Main wing、Stabilizer、Vertical tail wing、Main landing gear、Transmitter、Battery、Charger、Accessory、Propeller、Manual、Spinner



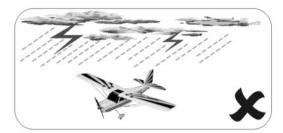
Safety precautions

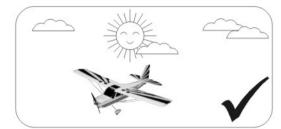
- 1. Do not fly outside in the thunderstorm, rainy and strong winds.
- 2. Do not fly nearby the airport, railway, road, power lines.
- 3. Do not fly where there are crowds of people.
- 4. Do not fly where the same frequency model plane is flying or there are other electric waves nearby.
- 5. Make sure the model plane and control system are under normal condition before flying.
- 6. Use our company's quality accessories to replace the broken one.

Safety precautions!

Please read this section until you fully understand!

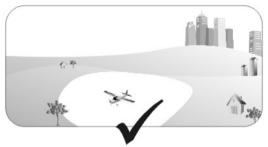
1) Do not fly in Strong wind or bad weather.



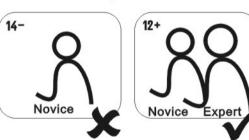


2) Never fly the model in crowded areas, where there are lots of people, automobiles on the road and power lines over head. Also not to fly around the airport. Please make yourself enough room for the flying and operating, as the plane can travel at high rates of speed. Remember you are responsible for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

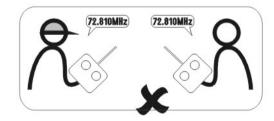




3) Children under the age of 12, should have an adult guide. Not recommend for the children under the age of 14.



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



5) Never leave the charger in wet conditions.

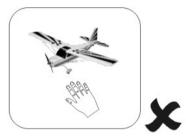




6) The Decathlon is made from PA and polythene which are tinder. When it meets the heat, transfiguration can easily happen, so you must keep your Decathlon away from heat.



7) Do not attempt to catch the Decathlon 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

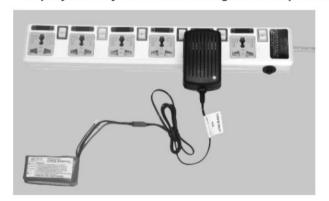
Charge the Lithium polymer battery with the supplied wall charger. Observe the polarity of the battery and the charger and ensure that the connection is correct, do not force the connector or damage may result. The Lithium charger is capable of charging the lithium Polymer battery at 1 C or 1 Amp. Please 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

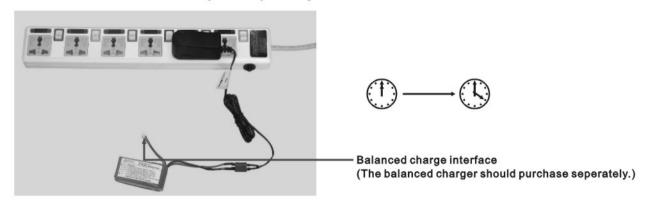
Li-poly battery should be charged with special outfit charger and used as per its instruction.





★ 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.



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. <u>Do not</u> 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° or over 45° .
- 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.

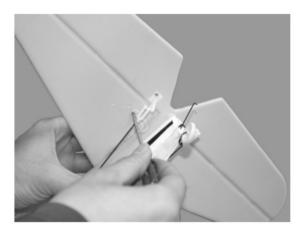
CAUTION 🔨

- 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 steps for Decathlon

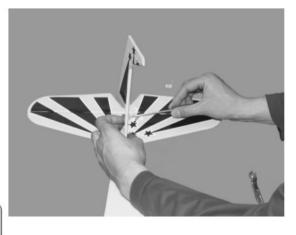
1. Put the horizontal stab on the designated place of fuselage, fix it with screws as shown in the following pictures.





2. Put the vertical stab on the designated place of the fuselage, fix it with screws as shown in the following pictures.





3. Fix tail wheel and linkage plastics of rudder with screws as shown in the following pictures.

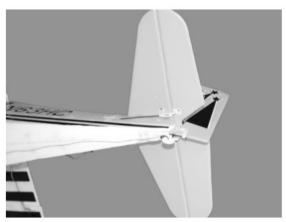




 $4 \sqrt{1000} \, \mathrm{km}^{-1}$ Fasten the clevis as shown in the following pictures.









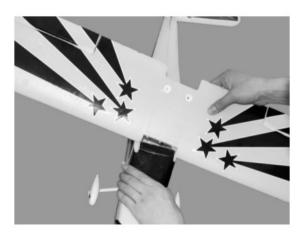
5. Insert main landing gear set as shown in the following picture.



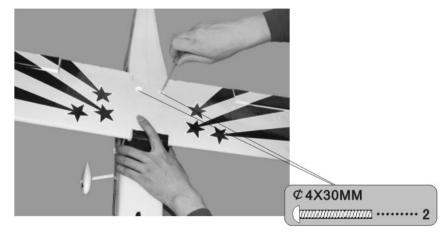
6. Plug cord of servo in the wing into the 1st ch of Receiver as shown in the following picture.



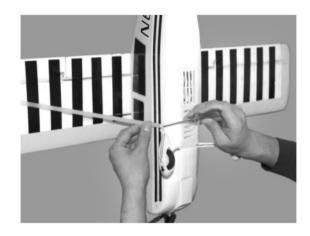
7. Insert main wing into the fuselage horizontally as shown in the following picture.

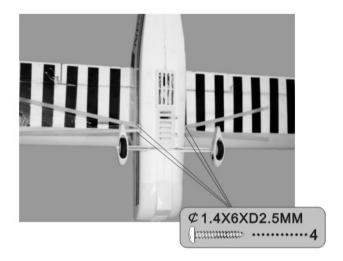


 $8.\,$ Use the plastic screw to fasten the main wing to the fuselage as shown in the following picture.



9. Put on the wing support as shown in the following pictures.



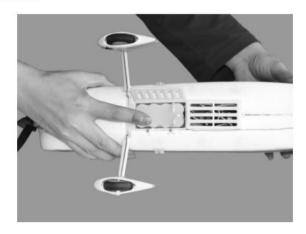


10. Make sure the back switch on the transmitter is off and that batteries are properly arranged. Before turning on, please position the throttle on idle.



11. Plug the well-charged battery into the connector in the fuselage, after battery are well arranged, close the battery compartment cover.







12. Test to insure normal functioning of the joystick. While testing the power, firmly secure the airplane in place so that it will not move. Be certain that nobody or things come near the spinning propeller.



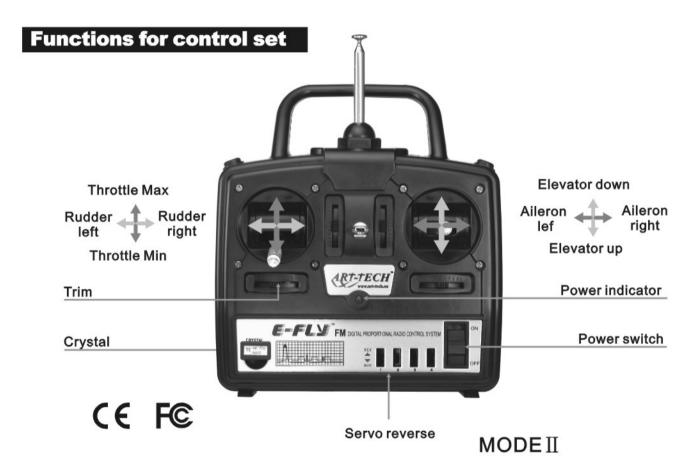
13. Function of Radio control set.



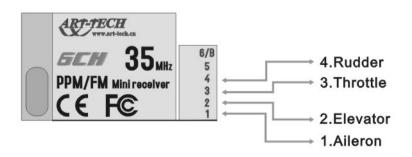
4ch, Mode I

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.



Picture of control Set connection



Spare parts list



No:8502 Tail wing set



No:8503 Main wing set



No:8504 Fuselage



No:8506 Landing gear



Item:8507 Propeller Adapter



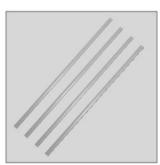
No:8508 Propeller Spinner



No:4105 Propeller



No:301301 Motor with gear box



No:8513 Main wing holder



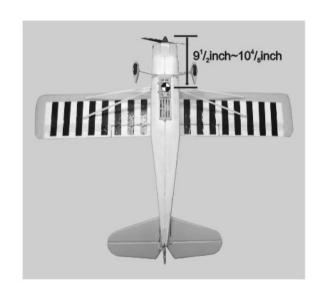
No:301903 Li-Poly battery charger



No:302304 Li-Poly battery

Center of Gravity Check

Please check the CG before heading to the flying fileld. The center of gravity for your Decathlon should fall within the range as indicated by the arrows. For your initial flights, we suggest that you balance the model toward the front fo 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	 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. 	1.Charge the battery. 2.Push the start switch on the fuselage. 3.Install new dry cells. 4.Contact the distributor
Cannot fly straight	1.The rudder is not centred. 2.The main wing has not been installed on the fuselage center.	1.Adjust the rudder trim on the transmitter. 2.Reinstall the main wing.
Cannot climb	1.The battery is not fully charged. 2.The elevator is angled downward.	1.Charge the battery. 2.Adjust the elevator trim on the transmitter.
Control distance is limited	1.The batteries in the transmitter are running flat. 2.The antenna of transmitter has not been completely extended.	1.Install new dry cells. 2.Completely extend the antenna of the transmitter.

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2007.06



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