



www.dynam-rc.com



F-16

INSTRUCTION MANUAL

Specification:

Wingspan: ----- 670mm
 Fuselage length: ----- 1020mm
 Wing loading: ----- 47g/dm²
 Flying weight: ----- 650g
 Servo: ----- 9g
 Battery: ----- 11.1V 2200mAh 15C Li-Po
 ESC: ----- 60A
 Brushless Outrunner Motor: ----- KV:4400
 Ducted fan: ----- EDF 64mm



SAFETY PRECAUTIONS

This radio control model is not a toy!

- First-time builders should seek advice from people having building experience in order to assemble the model correctly and to produce its performance to full extent.
- Assemble this kit only in places out of children's reach!
- Take enough safety precautions prior to operating this model. You are responsible for this model's assembly and safe operation!
- Always keep this instruction manual ready at hand for quick reference, even after completing the assembly.

Safety Precautions

- Never fly the Airplane where there are crowds of people ,power lines overhead, automobiles or near highways. give yourself plenty of room for flying, as the plane can travel at a high rate of speed. Remember you are responsible for the safety of others.
- Do not fly in strong winds.
- Do not attempt to catch the Airplane while flying.
- Children under the age of 16 should not have admission to the transmitter for the plane.
- Never leave this system unattended, with the batteries in the unit and around children. Injury can result by children turning on the transmitter or the plane.
- Keep away from the propeller at all times. The system can automatically start when the batteries are plugged in, regardless if the transmitter is in the on or off position. The propeller can cause injury!
- Before flying, always remember to turn on the transmitter first, before plugging in the battery pack. Stay clear of propeller.
- Always turn the speed controller all the way down and the switch on “OFF”.(left control stick in the down position) before starting; otherwise the propeller will start on full power when you plug the battery into the plane.
- After running the motor, disconnect the battery first before turning off the transmitter, otherwise the propeller may start at full power.
- Never leave the charger or battery near wet areas.
- Completely discharging a Li-poly battery can result in permanent damage to the cells of the battery. Therefore you must always remember to disconnect the battery after using the plane.

BEFORE YOU BEGIN

- Read through the manual before you begin, so you will have an overall idea of what to do.
- Check all parts. If you find any defective or missing parts contact your local dealer. Please DRY FIT and check for defects for all parts that will require CA or Epoxy for final assembly. Any parts you find to be defective after the gluing process may be difficult to remove for warranty replacement. The manufacturer will replace any defective parts, but will be difficult to extend to the good parts that are good before bluing to defective parts during assembly.
- Symbols used throughout this instruction manual comprise of following:



Apply epoxy glue



Assemble left and right sides the same way.



Pay close attention here!



Pliers

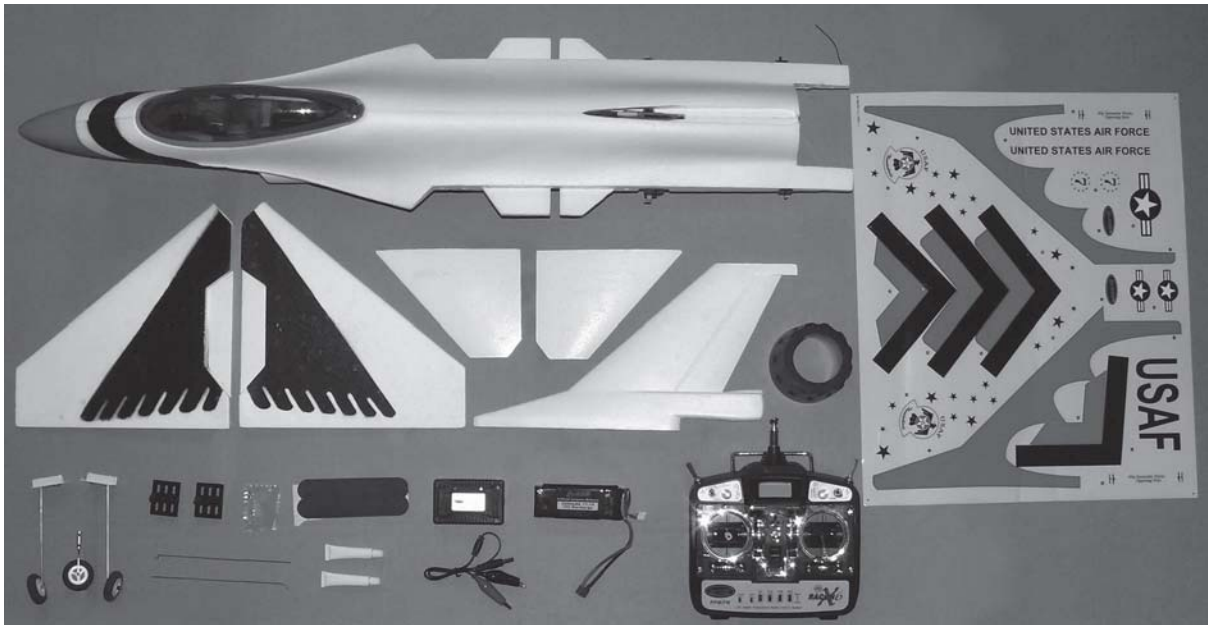


Ensure smooth non-binding movement while assembling.



Cut off shaded portion

RTF INCLUDING



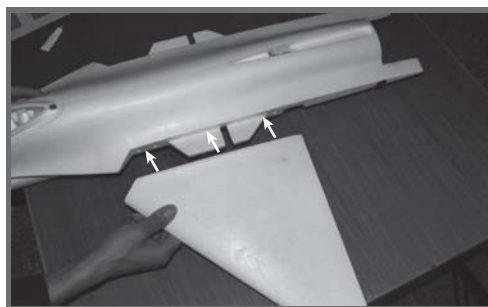
RTF including: _____

- fuselage**
- wing**
- elevator**
- vertical stabilizer**
- landing gear**
- plastic parts set**
- push rod**
- glue**
- decal**
- balance charger**
- LI-Po battery (11.1V 2200mAh 15C)**
- transmitter**
- Exhaust Nozzle**

1. Wing assembly

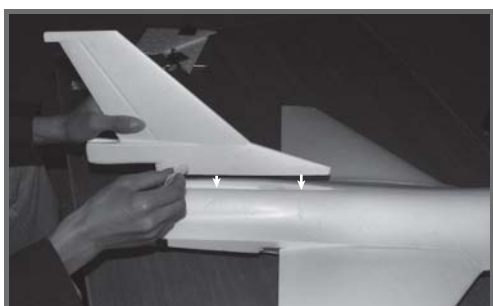


1.1 Apply the foam glue on the joiner of the left and right wing respectively.



1.2 Slide the wing panel back into position on the fuselage, pressing the wing tightly against the fuselage.

2. Vertical stabilizer assembly



2.1 Apply the foam glue on the joiner of the vertical stabilizer.



2.2 Fit the vertical stabilizer to the fuselage and remove excess glue.

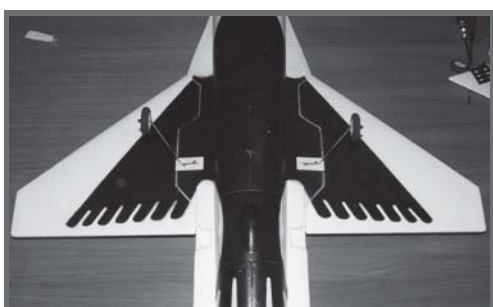
3. Landing gear assembly



3.1 Apply the foam glue on the joiner of the landing gear.



3.2 Push the left landing gear in the position and allow the glue to dry.

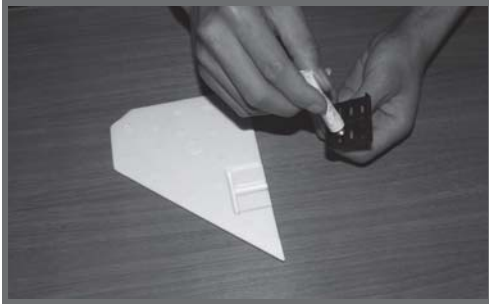


3.3 Repeat these steps for right landing gear.

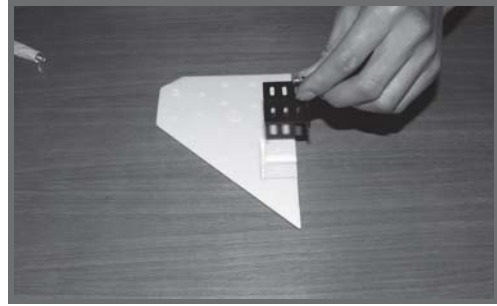


3.4 Slide the nose gear into the slot from the bottom of the fuselage. Use a hexagon screwdriver to tighten the screw.

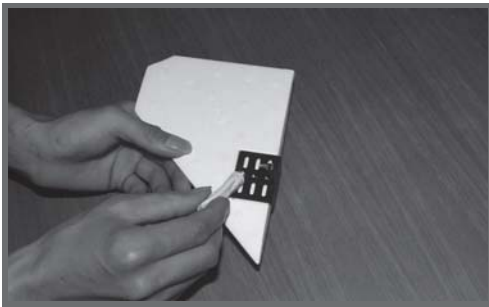
4. Horizontal stabilizer assembly



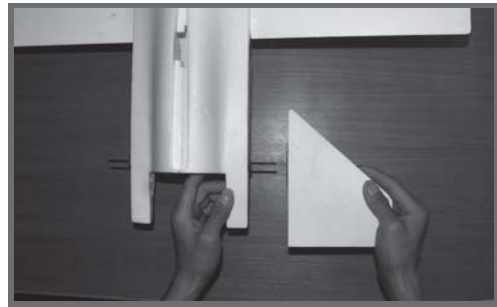
4.1 Apply the foam glue on the plastic parts.



4.2 Insert the plastic parts into the horizontal stabilizer.



4.3 Apply the foam glue on the joiner of the fiberglass tube.



4.4 Hold the fuselage, insert the fiberglass tube in the horizontal stabilizer. Move the horizontal stabilizer to ensure the glue applied evenly.

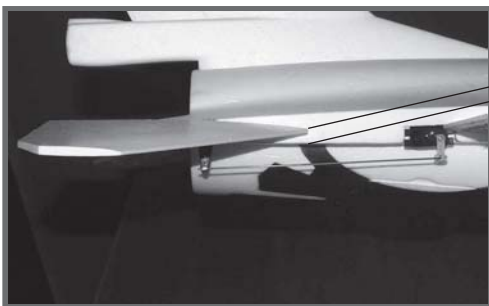
5. Horizontal stabilizer adjustment



5.1 Insert Z-bend of elevator pushrod into the hole of the servo arm.



5.2 Insert the elevator pushrod into the hole of quick-controller.



5.3 Adjust pushrod location until surfaces are level and then tighten clamp connectors (Remark: The servo should be in center position)

6. Exhaust Nozzle assembly



6.1 Apply foam glue to the exhaust nozzle and insert into the fuselage.

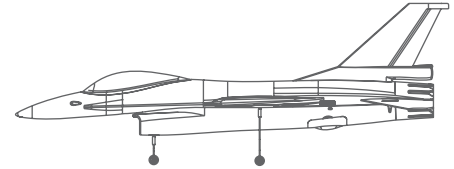
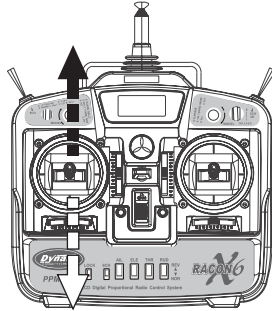
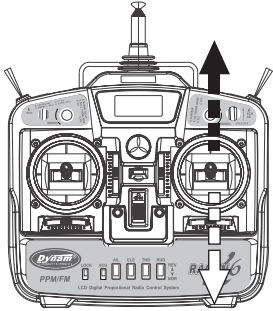
7. STICK OPERATION

MODE 1

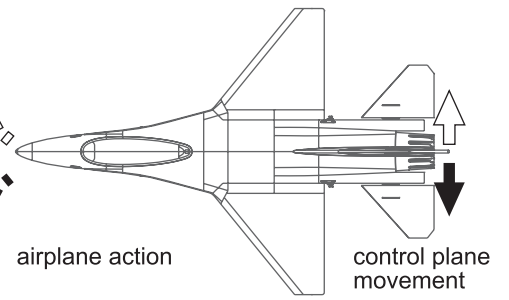
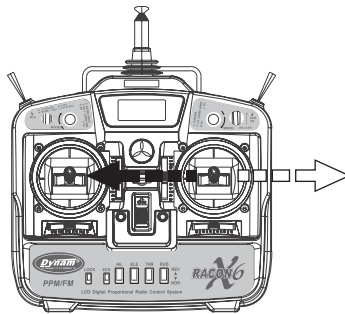
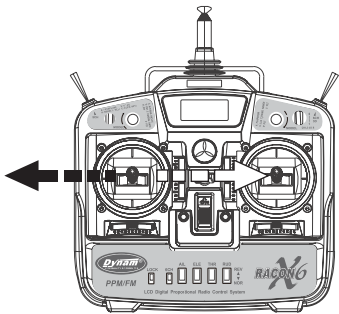
MODE 2

MOVEMENT

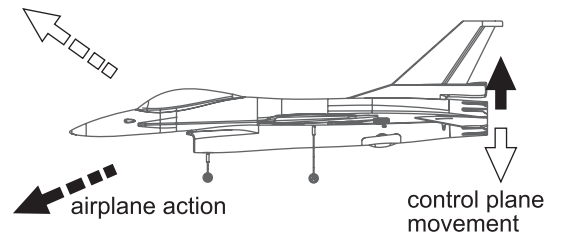
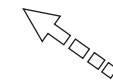
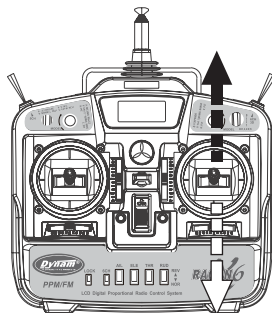
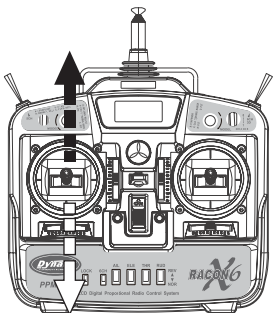
THROTTLE



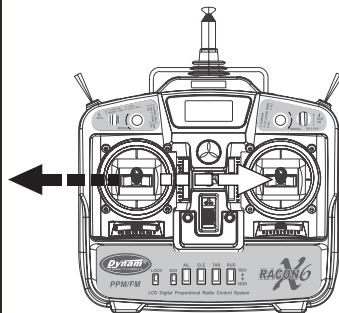
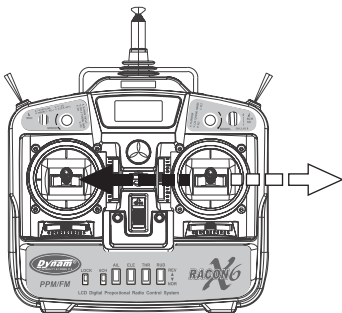
RUDDER



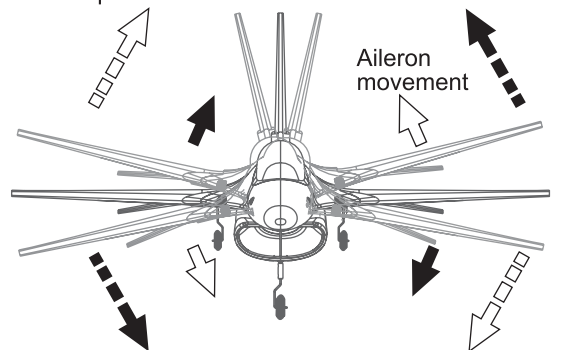
ELEVATOR



AILERONS



airplane action

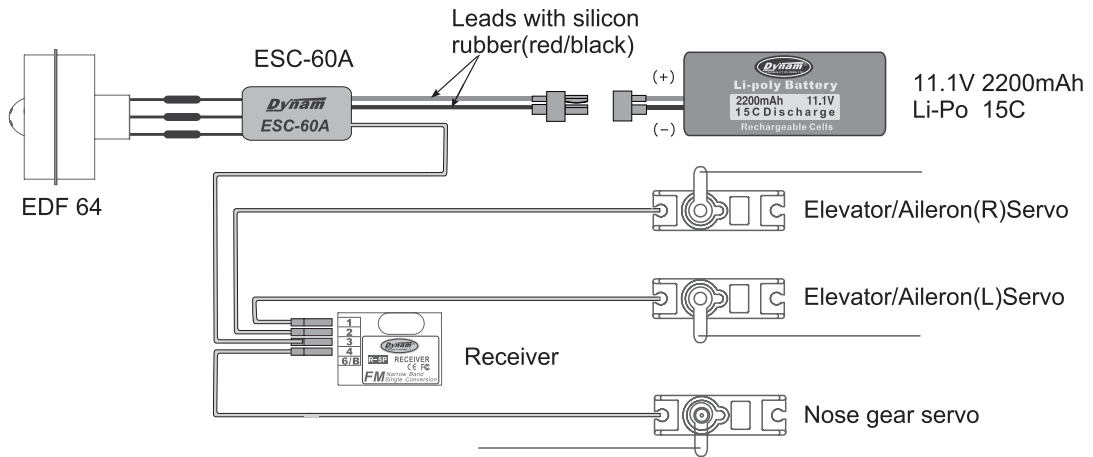


Aileron movement

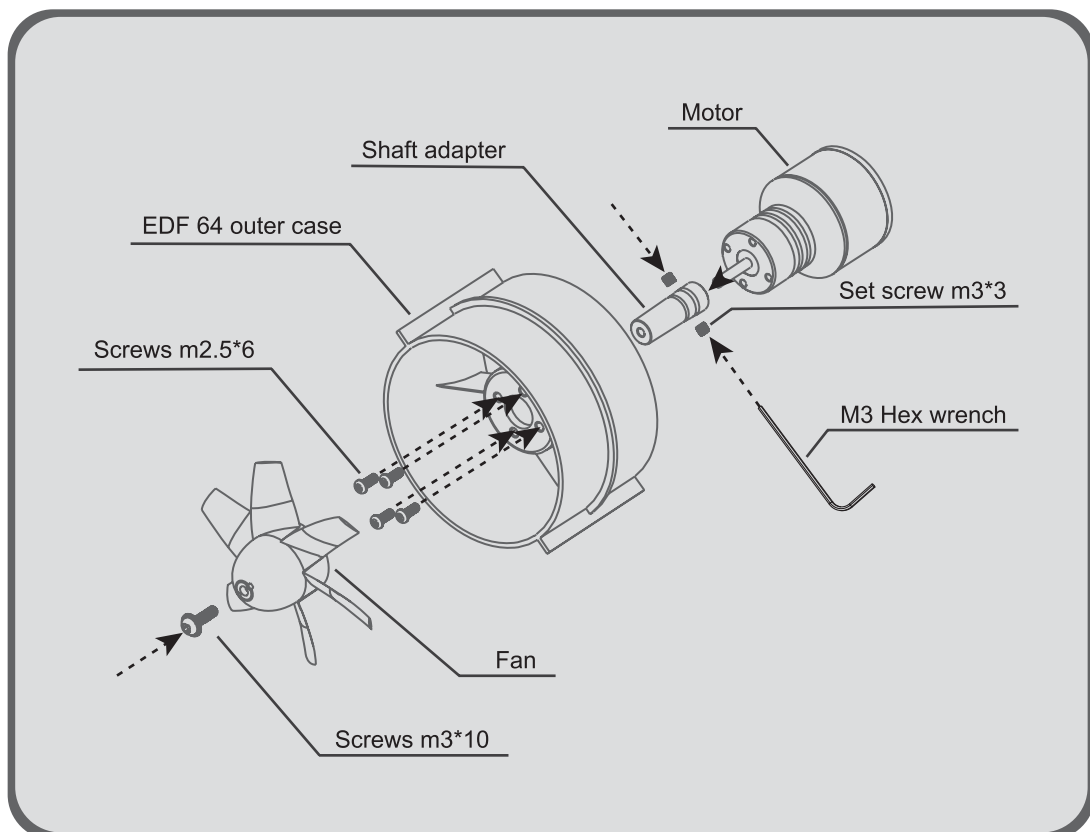
airplane action

8. R/C system & wiring

EDF power system

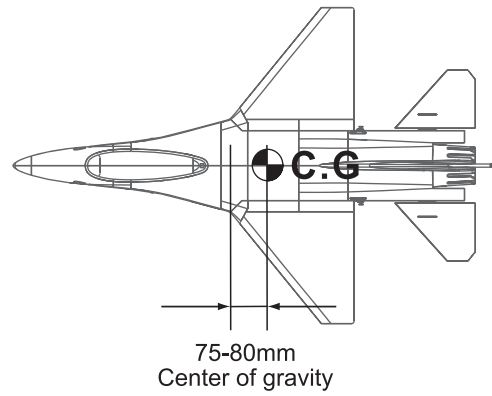
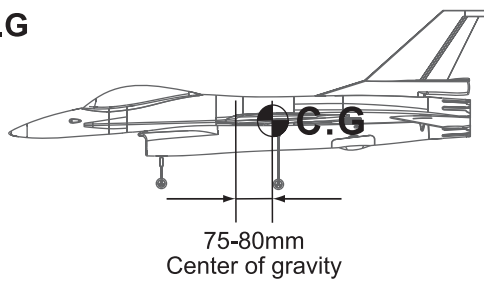


EDF assembly

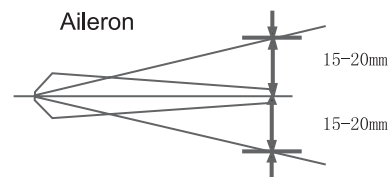
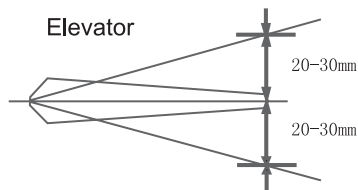


9. Control throws & C.G

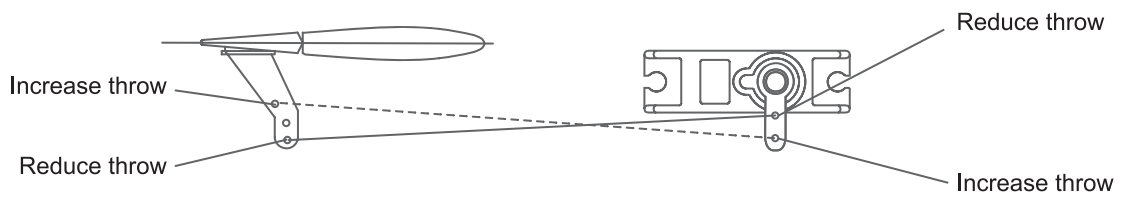
9.1 C.G



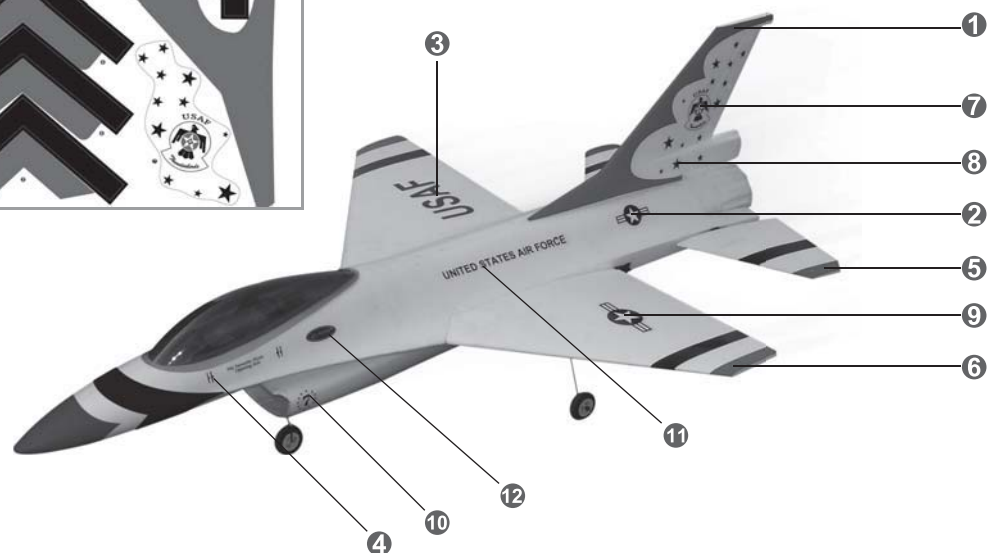
9.2 Control throws



9.3 Adjustments of control throws



10. Decal guide and instruction

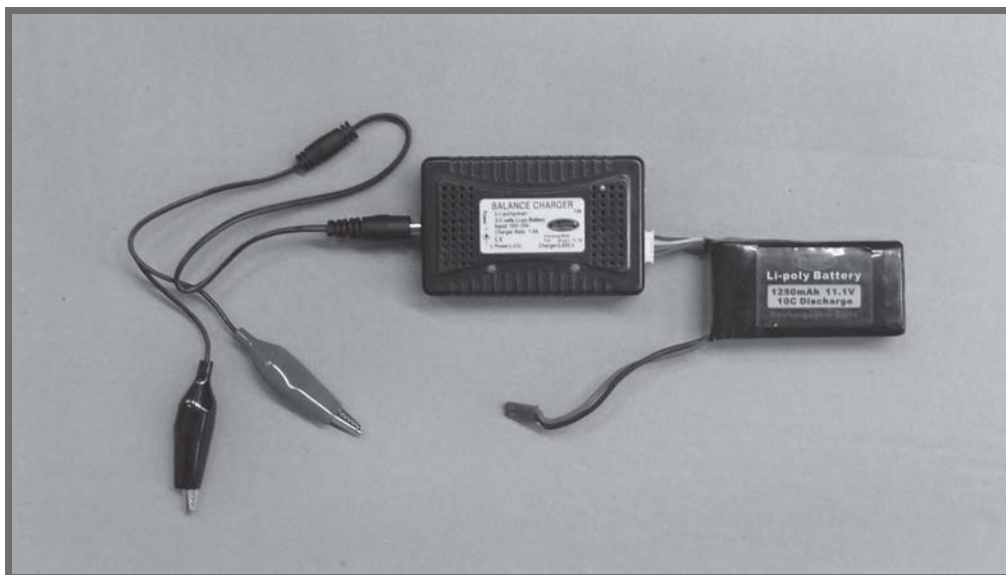


Battery Warning And Charging

Lithium-polymer batteries are a revolutionary new rechargeable battery technology for electric R/C flight, offering a variety of significant advantages over NiCd, NiMH and Li-Ion batteries. It is very important to have a good understanding of the operating characteristics of Li-Po batteries especially their exact rated voltage. Always read the specifications printed on the label of your Li-Po battery prior to use, and read this instruction sheet in its entirety.

WARNING! Lithium-Polymer batteries (Li-Po) are entirely different than NiCd and NiMH batteries and must be handled differently as well!! Failure to follow these care and handling instructions can quickly result in severe, permanent damage to the batteries and its surroundings and even start a FIRE!

- You must charge the Li-Po battery pack in a safe area away from flammable materials.
- Never charge the battery unattended. When charging the battery you should always remain in constant observation to monitor the charging process and react to potential problems that may occur.
- After flight, the battery cool down to ambient temperature before charging.
- Wire lead shorts can cause fire! If you accidentally short the wires, the battery must be placed in a safe area for observation for approximately 15 minutes.



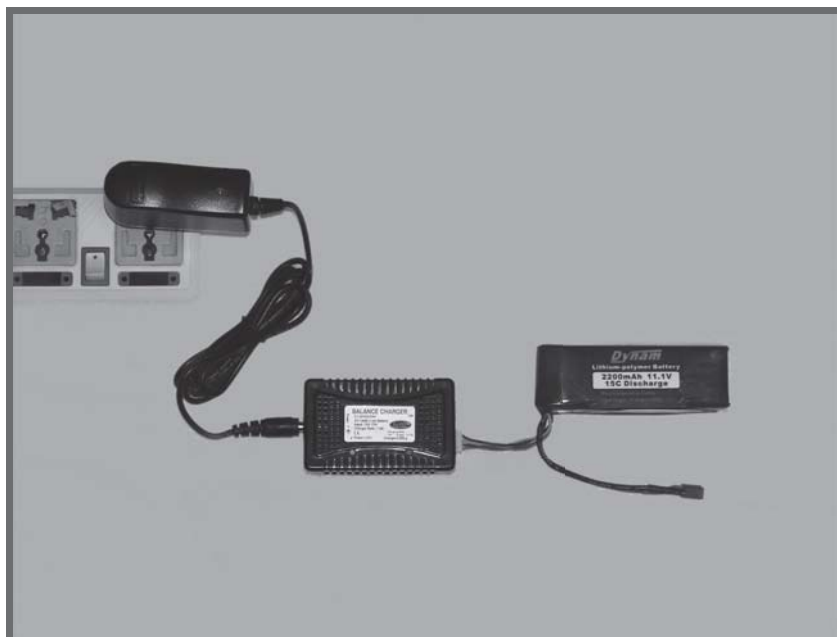
- In the event of a crash, you must quickly and safely disconnect and remove the battery from observation, then place it in a safe, open area away from flammable materials to observe it for at least 15 minutes.
- Store the battery at room temperature for best results.
- Do not over-discharge the battery. Discharging the battery too low can cause damage to the pack resulting in reduced performance and duration.

Battery Warning And Charging

The charger requires up to 1.5 Amps of 10-15 Volt DC input power that can be supplied from a small 12V gel cell or car battery.

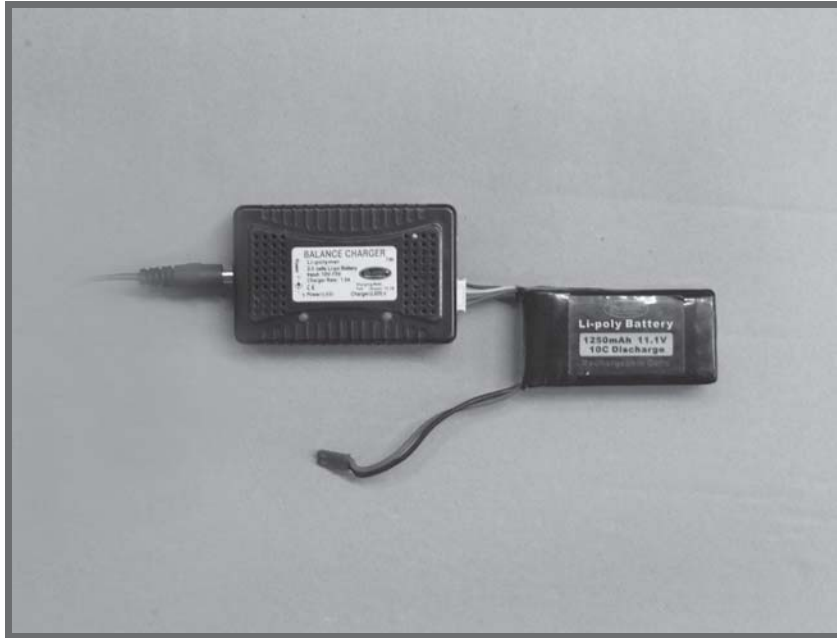


Input power for the charger can also be supplied through the use of an AC to DC adapter/power supply for convenient charging anywhere an AC outlet is available. We recommend the optional AC to 12V DC, 1.5 Amp Power Supply. **NEVER attempt to power the charger from an AC outlet without the use of a proper AC to DC adapter/power supply.**



Battery Warning And Charging

Once you have connected the charger to a power source, the red LED will turn on. Connect the Li-po battery pack to the charger, the orange LED will turn on. When the battery pack is fully charged, the green LED will turn on.

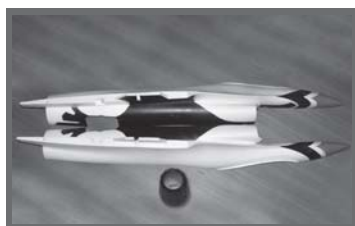


Install the Transmitter Batteries

Install 8 new “AA” batteries in the included transmitter. Check the power level of the batteries and operation of the transmitter by switching the power switch on (upward). The status LEDs at the top of the transmitter will indicate the power level of the batteries. If at any time the status LEDs no longer show green, it will be necessary to replace the batteries with new ones.



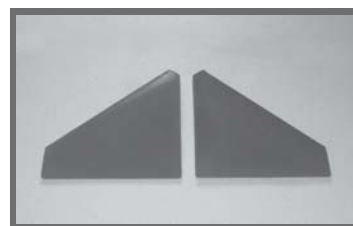
Parts List



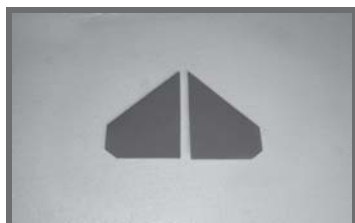
F16-001 Fuselage



F16-002 Canopy



F16-003 wing



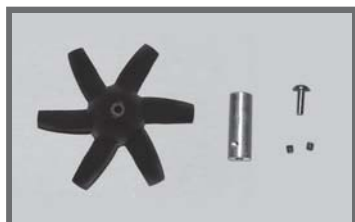
F16-004 Elevator



F16-005 Vertical stabilizer



F16-006 Landing Gear



F16-007 Fan, Shaft adapter



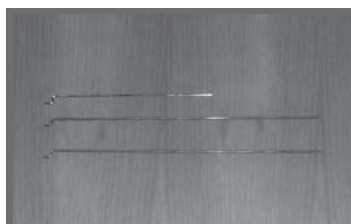
F16-008 EDF 64 outer case



DY-013 Brushless Motor



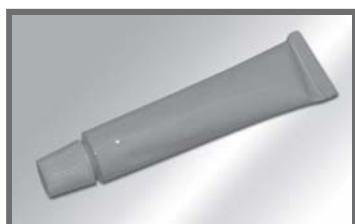
F16-009 Plastic parts set



F16-010 push rod



DY-3001 quick-controller



DY-3003 Glue



F16-011 F16 Decal



DY-1007 9g Servo



R5P-D Receiver



DYC-1002 Balance Charger



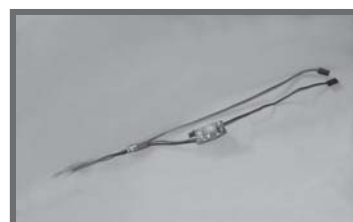
DY-6006 Li-Po Battery(11.1V 2200mAh 15C)



DYT Transmitter



DYE-1006 60A ESC



DY-1016 UBEC