

Construction Manual

Mavrick MK 2

Flat Foam RC electric 3D plane



This manual will help you build the Depron Foam RC.

You will need:

Glue: One of the following types:

5 minute Epoxy

Polyurethane glue

Elmer's Ultimate Glue

Hot Glue gun

Hobby knife

2" clear packing tape (office supply, Wal-Mart, or Supermarkets)

Recommended Equipment:

Motor: AXI 2208/34 or AXI 2212/34

Controller: Jeti Advance 18 Amp Brushless

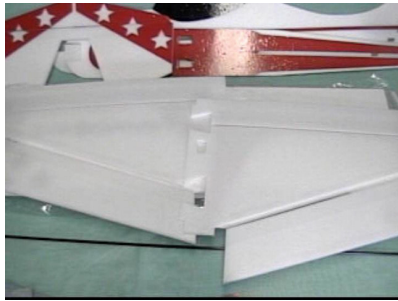
Prop: APC 10/4.5

Radio Receiver: 6 ch. w 4 HS-55 Servo Hitec

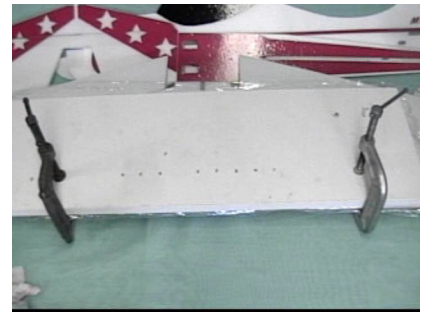
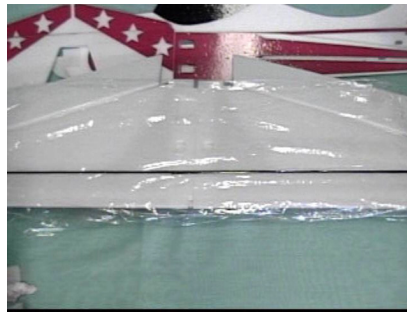
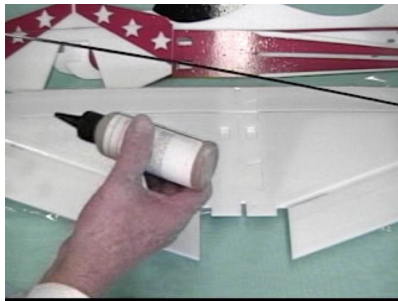
Battery: Li-Po 1000 mAh, 3 cells (11.1V)

Step 1

Place a piece of clear plastic wrap on a flat working surface.

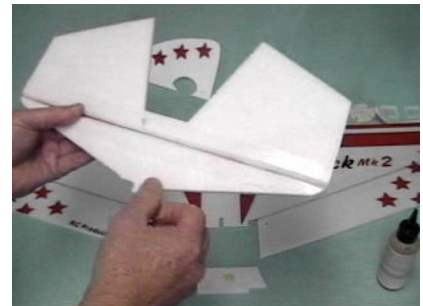


Place the two wing panels on the working surface. Apply a small amount of glue to the outer surfaces of the locking pieces. Lock them together, place on the working area. Add glue to the slot for the carbon fiber tube and place the tube in. I like to use a strip of clear packing tape over the tube. Place a piece of clear plastic wrap over the wing and put a flat piece of wood over the wing. Then clamp the pieces.



Step 2

Glue the control horns on the ailerons, (holes need to be drilled) elevator and rudder.



Step 3

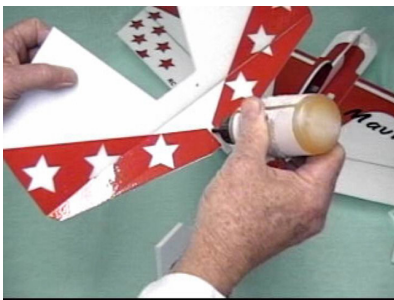


Apply a small amount of glue into the top slot of the fuselage then place the wing into the fuselage.
Apply a small amount of glue to the vertical fuselage slots and into the forward slot in the horizontal fuselage.
Push the piece rearward and the aft part will fit the wing slot.
Apply a small amount of glue to the motor mount and install.



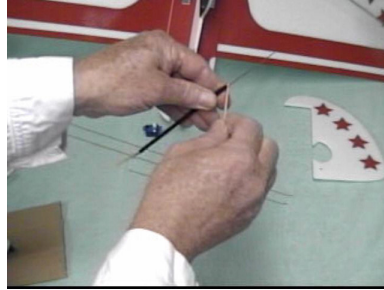
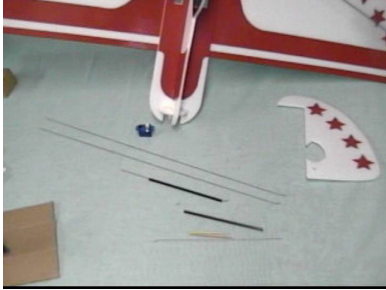
Step 4

Place glue to the stab and slide it into the slot. Make sure the side panels align with the stab.

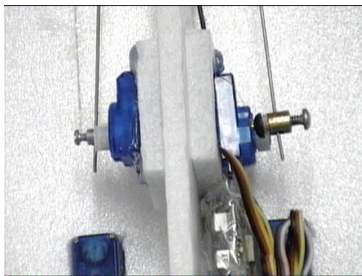
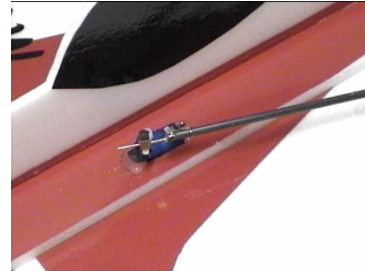


Step 5

Place the aileron control wire into one of the short carbon fiber tubes and use a toothpick with glue to secure it to the wire.



Mount servos in wing with hot glue gun. Place a spot of glue under mounting hole. Place the aileron control wire in the control horn then place on servo arm.



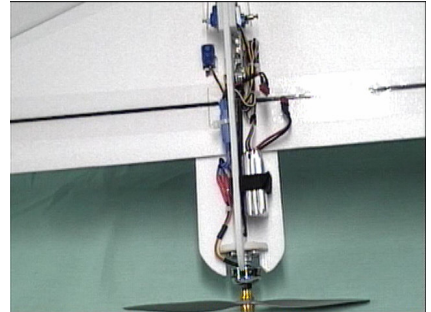
Hot glue elevator servo with the servo spacer under it.
Hot glue the rudder servo with the servo spacer under it.



Place the control wire guides on the wire (two) per side. Connect the rudder wire to the horn and place it thru the servo arm. Insert the guides into the slots and adjust the height and glue.

Hot glue receiver in place. You can run the antenna down the side of the fuselage.

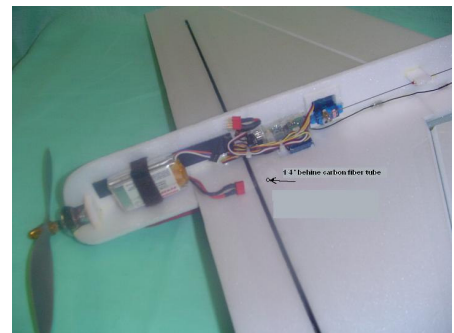
Hot glue speed controller to the fuselage. Mount the motor and place the battery strap in the slots.



Step 6

Adjust all the controls to reflect a neutral setting. Use the Motor controller settings with your radio.

Balance will be adjusted 1/4" behind the carbon tube. You can move the battery back and forth to achieve balance.



You can find a PDF copy of this manual at

<http://www.rc-products.net/support.asp>

You can find a Flash movie of this manual at

<http://www.rc-products.net/support.asp>

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