

JTECH *Laser*

Thank you for purchasing the Edge from Jtechlaser. You will find this model very easy to assemble. As easy as it is to put together it is by no means for the new pilot. With the controls set mild it will make a nice second aileron plane. With the throws set wild for the expert.....look out. Radio gear that has been used successfully is GWS, and Berg 4 channel RX. Phoenix 10 and Tbird 9 ESC. Himax 2208-1080, Hacker A20-34S, E-flight Park 300 and Scorpion 2205-36 outrunners. Batteries used ranged from 480 to 760 2 cell Lipos as well as 3 cells. Remember keep it light.

Items needed to complete the Edge

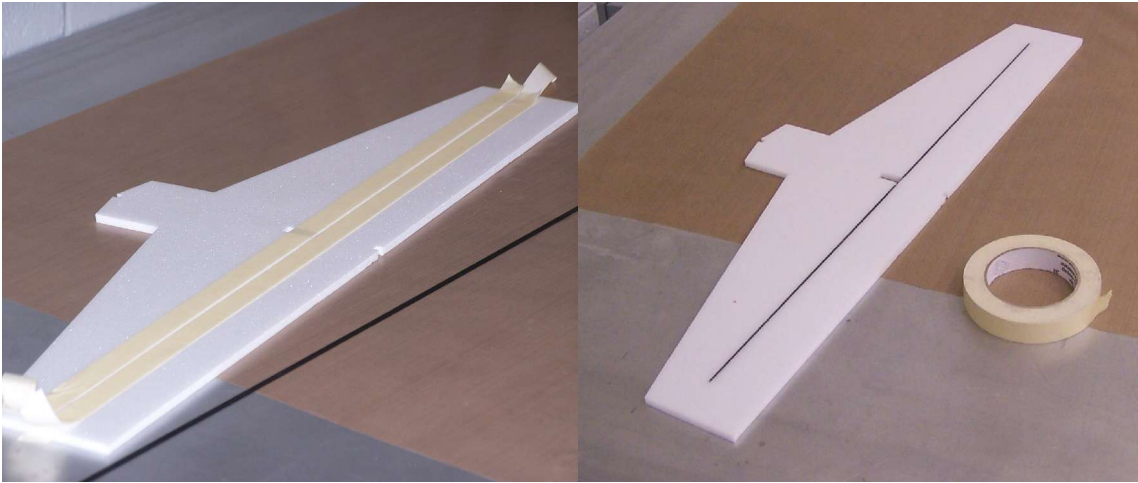
Foam safe CA and kicker.
Epoxy
Mini E/Z Connectors (Dubro) 4 each
Velcro 1 inch
Hinge tape
Radio gear (3 servos GWS Pico or similar)
Motor
Hobby knife
Straight edge

Specifications

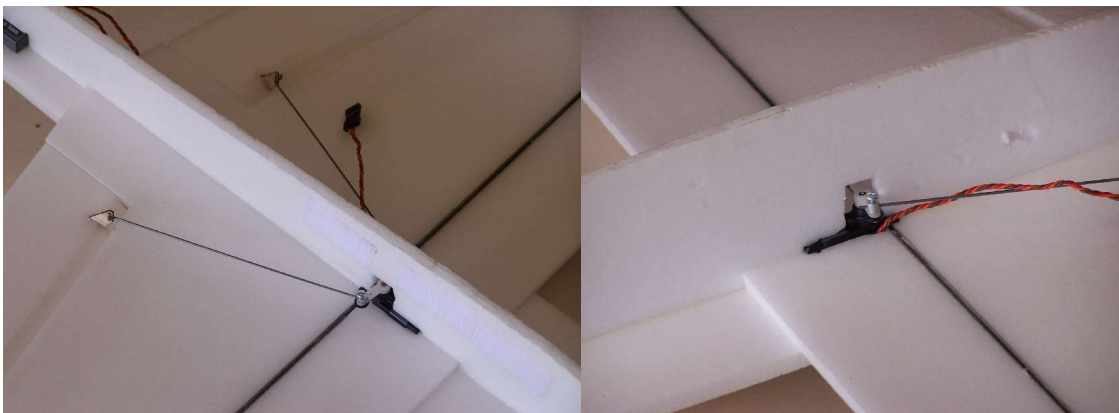
Wingspan 27"
Weight 5.8oz
4 Channel



1. Start by epoxying the spar into the wing channel. Take your time and make sure the wing is totally flat as the epoxy cures. No warps allowed.

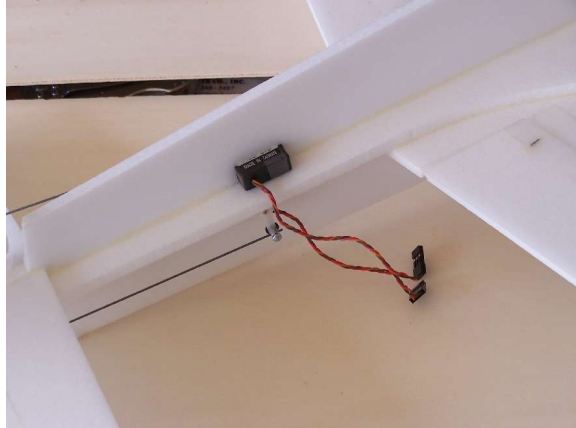


2. Next, bevel the rudder, horizontal stab and ailerons at the hinge points. Make sure you remove plenty of material to allow the required deflection of the control surfaces. We like to use 45 degrees for the throws.
3. Apply hinge tape to the top of each control surface and attach them to the airframe.
NOTE: Do not hinge the rudder until the horizontal stab is glued into position.
4. Now is also a good time to sand any areas you desire. The edge has flown without any sanding of any kind if that what you prefer. Some people like a little more finished look to the leading and trailing edges.
5. Install the aileron servo next. Check to make sure your servo you are using will fit in the wing/fuselage cutout. Make adjustments as needed. The servo is “trapped” in it's mount. If you glue the wing in first you will not be able to install the servo. Also make sure the servo is centered before installing as well.



6. With the aileron servo in position through the wing/horizontal fuselage, slide the assembly into the slot in the vertical fuselage. Once everything is lined up, using the CA and kicker, start gluing at the nose and work your way aft, all the time making sure everything is straight and square. You might also use the firewall to help with

- alinement. As you get to the tail, install and glue the stab into position.
7. Install the foam firewall support and firewall. The foam support gives a larger gluing surface for the firewall to bond to.
 8. Apply hinge tape and install the rudder.
 9. Install the ply control horns with CA into the slots in the ailerons, rudder and elevator. Take note that the horns in the tail go on opposite sides. The aileron horns are mounted on the bottom of the ailerons.
 10. The rudder and elevator servos just slide into their respected mounts and a drop of CA will secure them. Note the direction the servos face so they have a straight run to the control horns.



11. Install your motor next. Use your favorite method to hold your RX and ESC to the airframe. Different methods that have been used are Velcro, hot glue or even tape. The battery should be held on with Velcro just aft of the leading edge of the wing on the opposite side from the radio gear.

Flying

Control throws. There are no real recommended control throws. The Edge has been flown very successful with very little throw or max it out. It all depends on your flying style. Exponential is not needed if the throws are set mild but highly recommended for greater throws.

CG. The safe CG is on the spar. Vary the CG from there to suit your flying style.

Your Edge should give you many hours of enjoyment. Have fun and fly safe.

