

# Sea Monkey Jr.

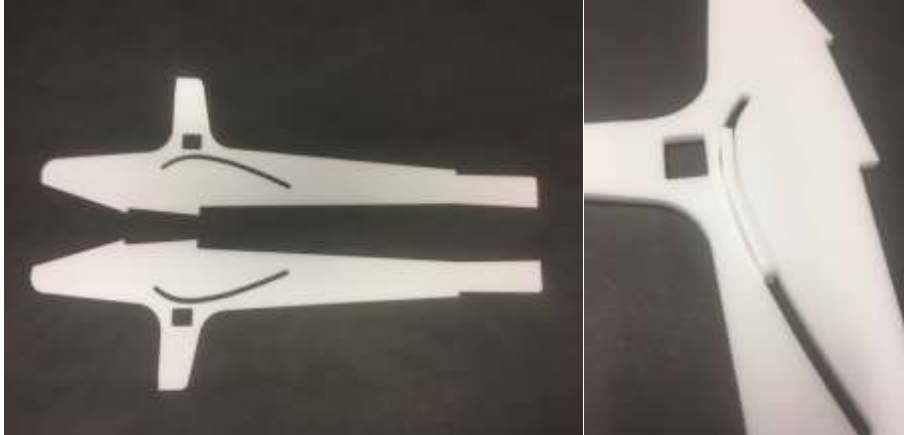


***Micro slow flyer seaplane!***

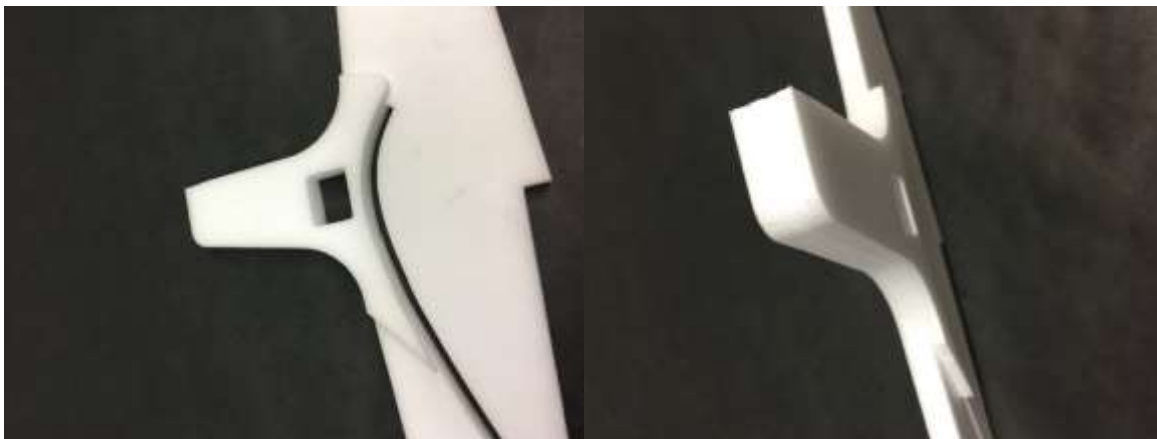
Span- 22 inches  
Length- 20-1/2 inches  
Wing Area- 121 sq. in  
Weight- 3 ounces RTF  
Wing loading- 3.57 oz/sq. ft.

Motor- Turnigy 1811 2900kv  
ESC- 6 Amp  
Battery- 250-350 mah  
Prop- 4x4  
Servos- 2x 3.7 gram

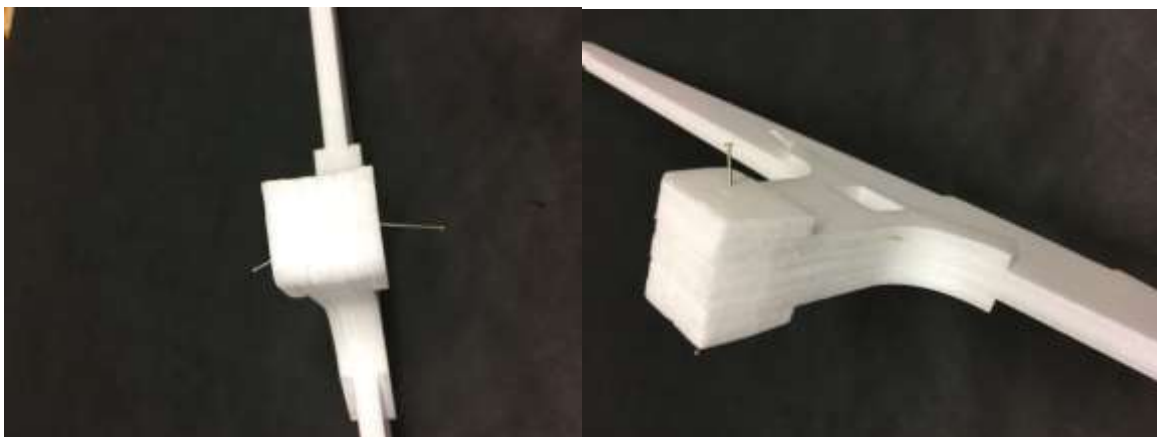
Laminate both fuselage sides together. Use tiny beads of glue around the perimeter only. Glue is heavy. Use a piece of scrap foam to keep the wing slot in alignment.



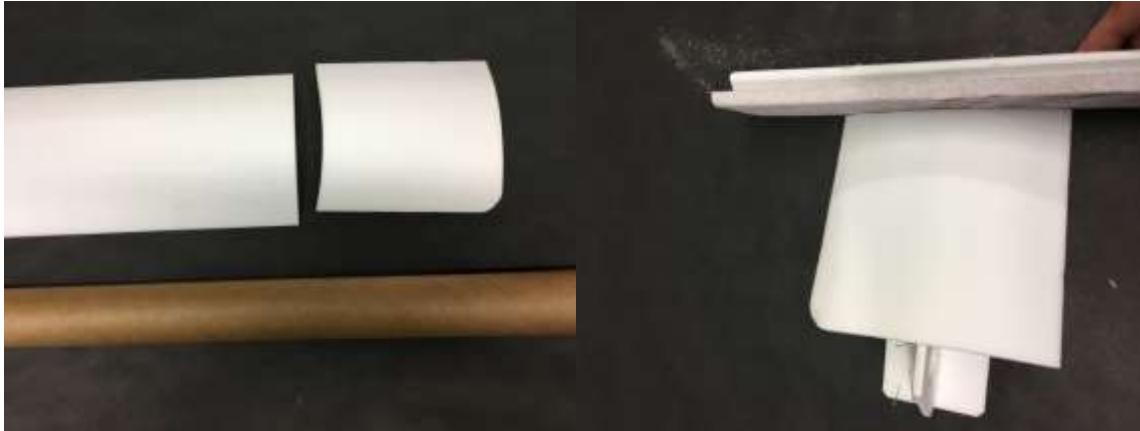
Laminate the pod doublers to each side of the fuselage. Be sure the wing slot is clear.



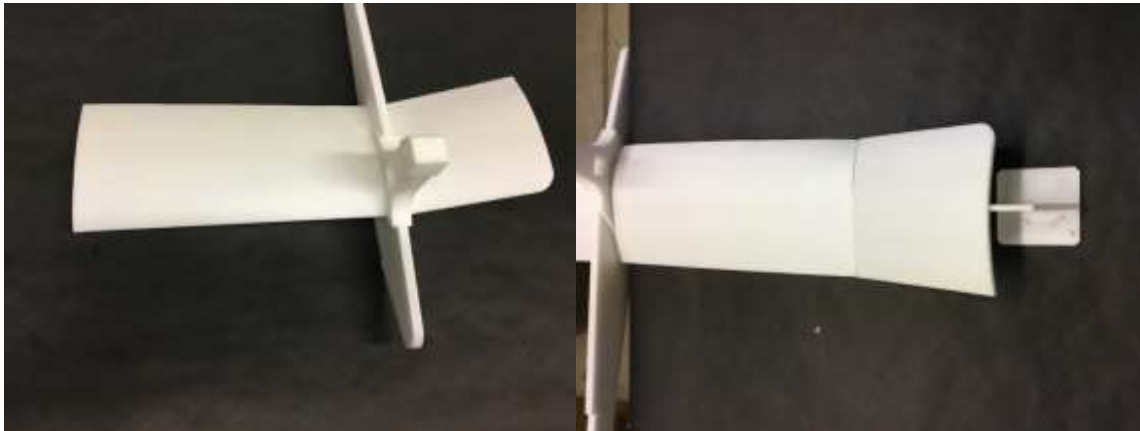
Glue the pod triplers on each side. Try to match top face, has 2 degrees of upthrust.



Use a pipe or tube to roll the wing and tips to an airfoil shape. Glue one of the ribs halfway on to one end of the wing center section.



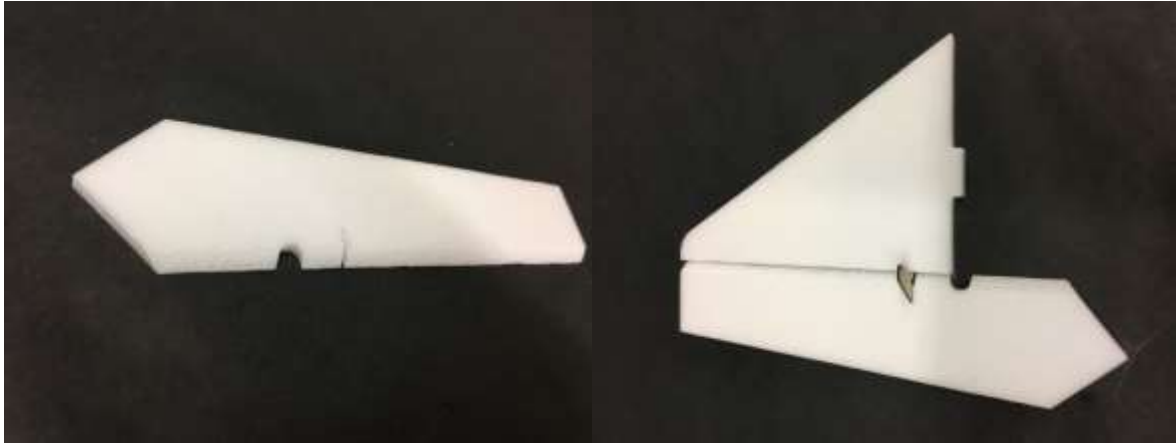
Sand the end of the wing tip slightly, so that it fits with minimal gaps when propped up on the tip dihedral gauge. Glue one tip in place, propped up.  
Slide the wing into the fuselage until the rib contacts the fuselage.



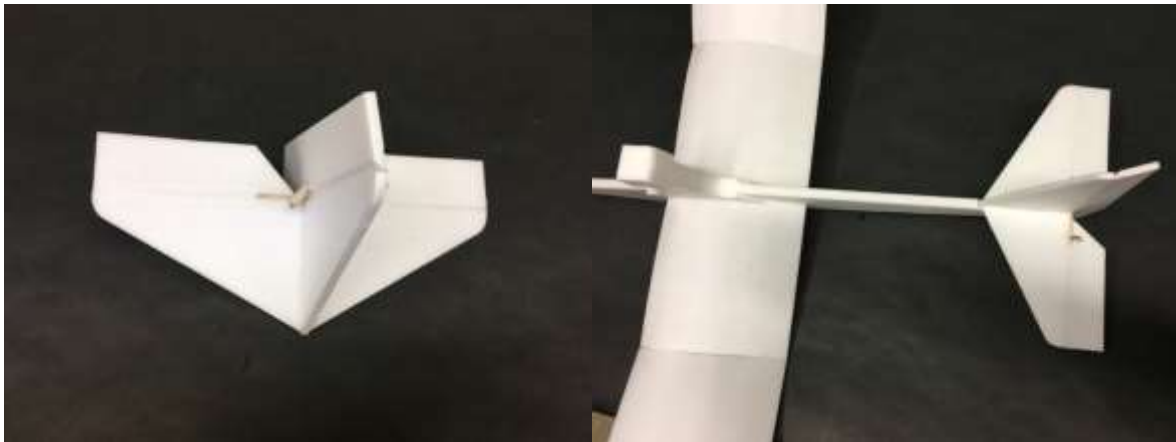
Glue the other rib in place, sand and glue the other tip in place as well.  
Center the wing (measure), and glue to fuse with a couple of drops of glue.



Pin the horizontal stabilizer to the bench. Use wax paper on the trailing edge and glue in the balsa elevator joiner. Don't glue the elevator to the stab. Bevel the back of the horizontal stabilizer (not the elevator). Flip the stab over and use tape for the elevator hinge. Glue the elevator ply control horn in place (the ply horn has no bevel. The rudder ply horn has a bevel).



Bevel the RIGHT side of the rudder. Flip it over and tape the hinge. Flip it back over (bevel up) and glue in the ply control horn (match the bevel). Glue the fin/rudder to the stab. Make it 90 degrees. Glue the tail to the fuselage. Make it level with the wing.



Glue the aft ski in place. It should start at the notch in the fuse bottom. It is not square, so check it against the fwd ski for orientation.

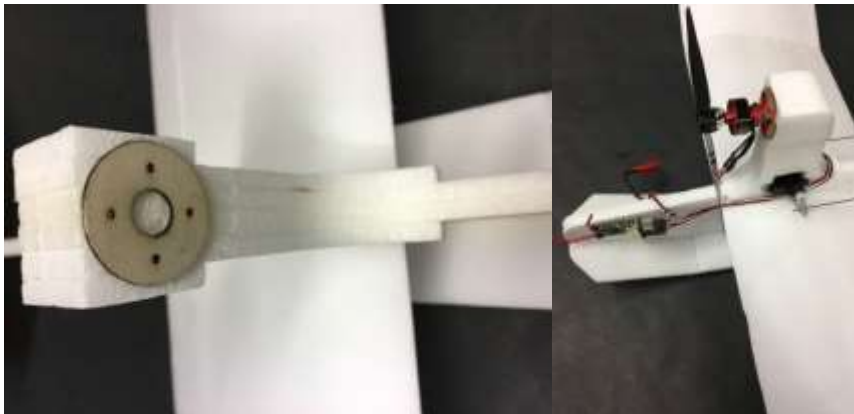


Glue the aft ski in place, as well as the fwd ski. Overlap this about 1/16 inch onto the aft ski.

Assemble the wing skins, but do not attach to the plane unless you need them. They are installed on the inside of the wing ribs.

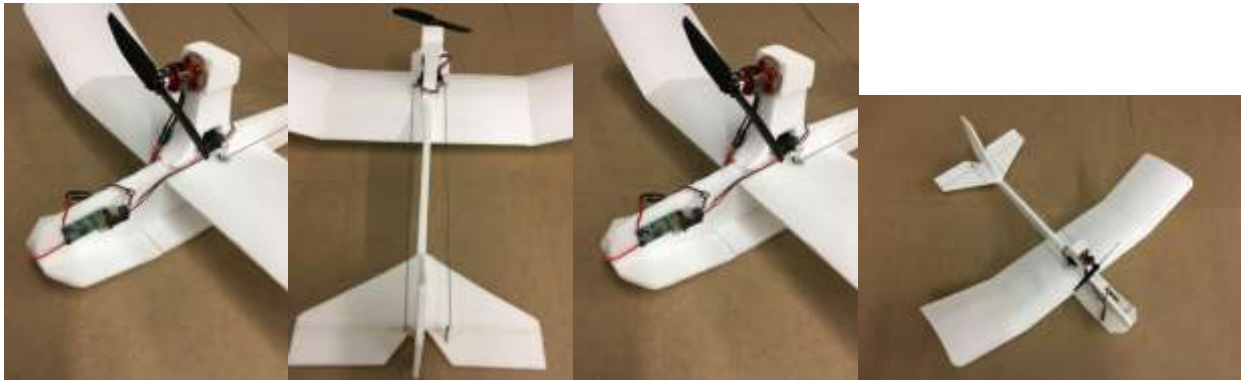


Glue the motor plate to the motor pod. You can sand the face, but try to maintain the 2 degrees of up thrust.



Hot glue the servos in place, as well as the esc and receiver. They should be within an inch of the nose.

Bolt the motor in place, and install the 4x4 prop. We supply pushrod braces, but they are not normally needed. Use them if you see the pushrods flexing. Attach the "Z" bend to the ply control horns, and use a micro EZ connector for the servo end.



Set the battery in place, and move it around until the plane balances at 1-1/2 inches behind the wing leading edge. Use a tiny bit of Velcro to hold the battery.

Set control throws to ½ inch up, down, right and left.

### **Tips:**

- Use CA glue to harden the ski bottom and the bottom inch of the rudder. Even a smooth floor will grind down the soft foam.
- Don't use the wing skis until you try flying off the water. If it is always calm you should not need them. They add weight.
- Always try to fly slowly. The Sea Monkey Jr. does not tolerate fast flight.
- Adjust the CG to your preference. Slower flight likes an aft CG.
- Have as much fun as you can.
- Buy more Zipp Planes!
- If installing a painted wing, protect the paint with wax paper when sliding the wing in place.

Thank you for buying this kit!

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