



<p>www.bsdmicrorc.com carries the lipoly, motor, and gears. Infrared RX will have to be homemade or purchased from Didel or DeWitt. David Lewis at Homefly.com carries lightweight covering material as well as CF rod and tube plus the lightest Coural RX which may be light enough if all the lightening techniques are used.</p> <p>Nick Leichty's AM RX would also be plenty light enough for this plane. users.joplin.com/~bselman/</p>	<p>Motor - Didel 4mm 28 ohms</p> <p>Gears - lightened Didel 5:1 ratio 0.2mod gears (12t pinion 60t spur)</p> <p>Or Use 0.125 mod 6:1 watch gears Didel gearbox should work if lighter weight covering is used. Could also adapt Falcon gearbox</p> <p>Thrust bearing - 1mm to 1.5mm CF tube prop shaft - 0.015" to 0.025" music wire or 0.5mm CF rod .</p> <p>Make sure there is no play and the prop will spin freely. Teflon tube thrust washer or wire insulation and teflon washer to secure.</p> <p>1/64" ply uprights, Balsa prop 5lb - 6lb balsa. Solder motor wires directly to RX to save weight.</p>	<p>I used HDPE plastic for covering. It is lighter than Japanese Tissue Maybe about the same weight as condensor paper. The HDPE is tough to glue even with spray adhesive. To save weight use Polymicro ,PPP, OS Film, Y2k, Ultrafilm, microfilm, etc...</p> <p>All wood shown as 1/16". 1/20" for the wing and stab works great as well 1/16" wide motorstick will break on rough crashes Try 3/32" wide motorstick if fliting room is cluttered . Or better yet use CF tube.</p> <p>Use 5lb to 6lb per cubic foot Balsa wood. 2 sources are Lone Star Models or F1D.biz</p> <p>members.dodo.net.au/~daviddewit/ Carries the Didel parts, lipoly and some parts for DIY IR RX and TX.</p>	<p>Wires for lipoly are 0.038 mm 6 strand litz wire The wires can be found in a 24 hour kitchen timer. The wires used were 14.6 ohm / meter which is close to 46AWG. Each wire can handle around 53ma of current so 6 strands would handle 318ma. That is more than the little 28 ohm motor will pull and more than the 20mA lipoly will put out so make sure your Litz can handle all those electrons.</p>
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