

Building Materials		
Materials	Cost	Link
Acrylic board 1mm and 3mm thick	\$1.44	<a href="http://item.taobao.com/item.htm?spm=a1z09.2.9.203.8xGtcV&amp;id=13603291616&amp;_u=u1lot7i54de5">http://item.taobao.com/item.htm?spm=a1z09.2.9.203.8xGtcV&amp;id=13603291616&amp;_u=u1lot7i54de5</a>
Wood bars 100cm long, 20mm*20mm	\$1.61	<a href="http://detail.tmall.com/item.htm?spm=a230r.1.14.1.lkFHhT&amp;id=35975200849&amp;ad_id=&amp;am_id=&amp;cm_id=140105335569ed55e27b&amp;pm_id=">http://detail.tmall.com/item.htm?spm=a230r.1.14.1.lkFHhT&amp;id=35975200849&amp;ad_id=&amp;am_id=&amp;cm_id=140105335569ed55e27b&amp;pm_id=</a>
A lifting fan	\$13.45	<a href="http://item.taobao.com/item.htm?spm=a1z09.2.9.237.ZNPwhd&amp;id=24109364545&amp;_u=u1lot7i58f5d">http://item.taobao.com/item.htm?spm=a1z09.2.9.237.ZNPwhd&amp;id=24109364545&amp;_u=u1lot7i58f5d</a>
Sponge (1m)	\$0.96	<a href="http://detail.tmall.com/item.htm?spm=a230r.1.14.1.EbEB0N&amp;id=35549046556&amp;ad_id=&amp;am_id=&amp;cm_id=140105335569ed55e27b&amp;pm_id=">http://detail.tmall.com/item.htm?spm=a230r.1.14.1.EbEB0N&amp;id=35549046556&amp;ad_id=&amp;am_id=&amp;cm_id=140105335569ed55e27b&amp;pm_id=</a>
A 30g servo (with one screw and a cross component)	\$2.30	<a href="http://item.taobao.com/item.htm?spm=a1z09.2.9.156.ZNPwhd&amp;id=6698395506&amp;_u=u1lot7i5fa65">http://item.taobao.com/item.htm?spm=a1z09.2.9.156.ZNPwhd&amp;id=6698395506&amp;_u=u1lot7i5fa65</a>
A motor frame	\$0.80	<a href="http://detail.tmall.com/item.htm?spm=a230r.1.14.1.7zFjwf&amp;id=17641139218&amp;ad_id=&amp;am_id=&amp;cm_id=140105335569ed55e27b&amp;pm_id=">http://detail.tmall.com/item.htm?spm=a230r.1.14.1.7zFjwf&amp;id=17641139218&amp;ad_id=&amp;am_id=&amp;cm_id=140105335569ed55e27b&amp;pm_id=</a>
A motor (XXD KV-2200)	\$6.72	<a href="http://item.taobao.com/item.htm?spm=a1z09.2.9.91.ZNPwhd&amp;id=18004510397&amp;_u=u1lot7i59084">http://item.taobao.com/item.htm?spm=a1z09.2.9.91.ZNPwhd&amp;id=18004510397&amp;_u=u1lot7i59084</a>
A 6 inch propeller (with fixing components)	\$0.96	<a href="http://item.taobao.com/item.htm?spm=a1z09.2.9.73.ZNPwhd&amp;id=24215032327&amp;_u=u1lot7i53603">http://item.taobao.com/item.htm?spm=a1z09.2.9.73.ZNPwhd&amp;id=24215032327&amp;_u=u1lot7i53603</a>
40mm copper cylinders*4, 20mm copper cylinders*4, 15mm copper cylinders*4	\$1.60	<a href="http://detail.tmall.com/item.htm?spm=a1z10.3.w4011-3262964799.72.S8tdOC&amp;id=16447423642&amp;rn=50b9359a32b716de6f230c73bba084e5">http://detail.tmall.com/item.htm?spm=a1z10.3.w4011-3262964799.72.S8tdOC&amp;id=16447423642&amp;rn=50b9359a32b716de6f230c73bba084e5</a>
A wood board	\$1.60	<a href="http://detail.tmall.com/item.htm?spm=a230r.1.14.9.WxlLCN&amp;id=17617643918&amp;ad_id=&amp;am_id=&amp;cm_id=140105335569ed55e27b&amp;pm_id=">http://detail.tmall.com/item.htm?spm=a230r.1.14.9.WxlLCN&amp;id=17617643918&amp;ad_id=&amp;am_id=&amp;cm_id=140105335569ed55e27b&amp;pm_id=</a>
A roll of insulating tape	\$1.60	<a href="http://detail.tmall.com/item.htm?spm=a230r.1.14.5.uRRt9K&amp;id=35923669678">http://detail.tmall.com/item.htm?spm=a230r.1.14.5.uRRt9K&amp;id=35923669678</a>
Sixteen M3 screw, eight M3 screw cap	\$2.40	<a href="http://detail.tmall.com/item.htm?spm=a1z10.5.w4011-3262961969.109.dZKqNW&amp;id=23382808446&amp;rn=d215d21a87175942948616e56a1ef590">http://detail.tmall.com/item.htm?spm=a1z10.5.w4011-3262961969.109.dZKqNW&amp;id=23382808446&amp;rn=d215d21a87175942948616e56a1ef590</a>

Electronic Component		
Name	Cost	Link
Arduino Uno R3 board	\$7.04	<a href="http://item.taobao.com/item.htm?spm=a1z10.3.w1017-2833202321.12.GXfNFR&amp;id=15750465286&amp;">http://item.taobao.com/item.htm?spm=a1z10.3.w1017-2833202321.12.GXfNFR&amp;id=15750465286&amp;</a>
Arduino USB connecting wire	\$1.92	<a href="http://detail.tmall.com/item.htm?spm=a230r.1.14.9.zSRtgi&amp;id=35882100426&amp;ad_id=&amp;am_id=&amp;cm_id=140105335569ed55e27b&amp;pm_id=">http://detail.tmall.com/item.htm?spm=a230r.1.14.9.zSRtgi&amp;id=35882100426&amp;ad_id=&amp;am_id=&amp;cm_id=140105335569ed55e27b&amp;pm_id=</a>
PS2 joy pad with Bluetooth receiver	\$5.92	<a href="http://item.taobao.com/item.htm?spm=a230r.1.14.40.Gbl6R1&amp;id=37850131630&amp;ns=1#detail">http://item.taobao.com/item.htm?spm=a230r.1.14.40.Gbl6R1&amp;id=37850131630&amp;ns=1#detail</a>
Male-to-male Dupont wires*40(pieces) Male-to-female Dupont wires*40(pieces)	\$2.69	<a href="http://detail.tmall.com/item.htm?spm=a230r.1.14.1.bssTWF&amp;id=37258758362&amp;ad_id=&amp;am_id=&amp;cm_id=140105335569ed55e27b&amp;pm_id=">http://detail.tmall.com/item.htm?spm=a230r.1.14.1.bssTWF&amp;id=37258758362&amp;ad_id=&amp;am_id=&amp;cm_id=140105335569ed55e27b&amp;pm_id=</a>
Two electronic speed controllers	\$8.32	<a href="http://item.taobao.com/item.htm?spm=a1z09.2.9.68.SPxCnE&amp;id=18019153355&amp;_u=u1lot7i50a55">http://item.taobao.com/item.htm?spm=a1z09.2.9.68.SPxCnE&amp;id=18019153355&amp;_u=u1lot7i50a55</a>
Two V-shape wires	\$1.60	<a href="http://item.taobao.com/item.htm?spm=a230r.1.14.250.pIY3v4&amp;id=37743619443&amp;ns=1#detail">http://item.taobao.com/item.htm?spm=a230r.1.14.250.pIY3v4&amp;id=37743619443&amp;ns=1#detail</a>
One connecting wire for power	\$1.58	<a href="http://detail.tmall.com/item.htm?id=16680912036&amp;spm=a1z09.2.9.283.J9x2s9&amp;_u=u1lot7i54e9e">http://detail.tmall.com/item.htm?id=16680912036&amp;spm=a1z09.2.9.283.J9x2s9&amp;_u=u1lot7i54e9e</a>
Battery 1300mAh*2	\$11.53	<a href="http://item.taobao.com/item.htm?spm=a1z09.2.9.254.J9x2s9&amp;id=26320524510&amp;_u=u1lot7i52409">http://item.taobao.com/item.htm?spm=a1z09.2.9.254.J9x2s9&amp;id=26320524510&amp;_u=u1lot7i52409</a>

Other Tools Needed
A saw
A pair of scissors
UHU glue
Hand drill
A set of Screw-driver