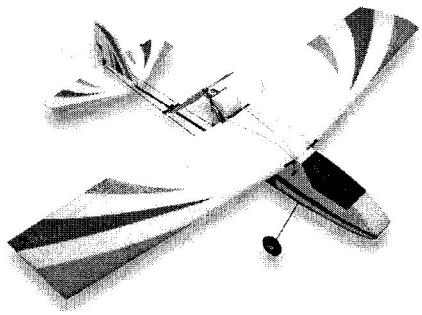
组装前请认真阅读说明书
Before use, please read the explanations carefully!

DRAGONFLY-1 EPP

Instruction Manual 说明书

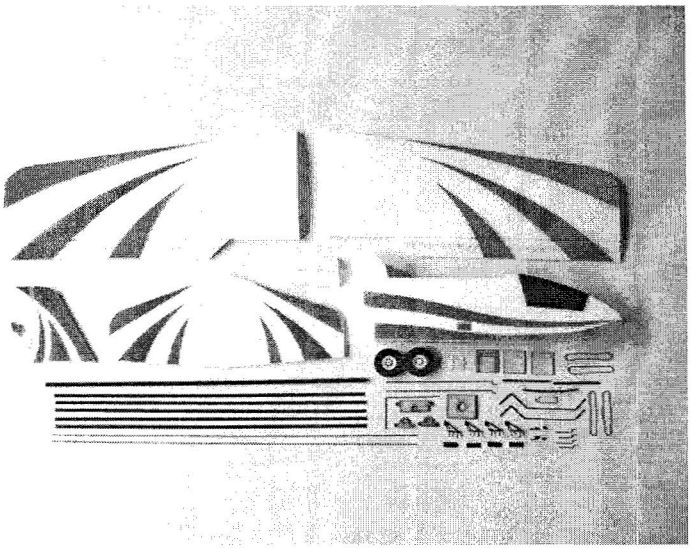


Specifications 参数
Fuselage Length 全长:715mm
Wingspan 翼展:860mm
Flying Weight 飞行重量:400g(with battery)
Additional Required Equipment (not include in the kit):其他设备（另购）
Motor 电机:2208 1500KV or 2205 2600KV
ESC 电调: 12A or 10A
Propeller 螺旋桨:7035 or 5030
Servo 舵机: 9G or 6G
Radio:4/more channel 4 通道接收机
Li-Po Battery Charger 锂电池充电器
Battery 电池:11.1V 850mAh 20C Li-po

Required Tools and Adhesives (not include in the kit) 其他所需工具和粘合剂（套装内不包含）
Foam Glue 泡沫胶,Quick-setting Glue 快干胶, Aerosol Zip-kicker 胶水固化催化剂, #0 and #1 Phillips Head Screwdrivers 0#和 1#飞利浦螺丝起子, Wire Cutter 剪钳, Modeling Knife 制作模型专用刀, Scissors 剪刀, Ruler 直尺, Electric Soldering Iron 电烙铁

SAFETY PRECAUTIONS 安全事项

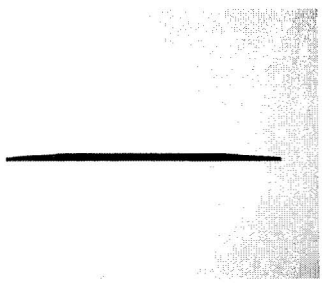
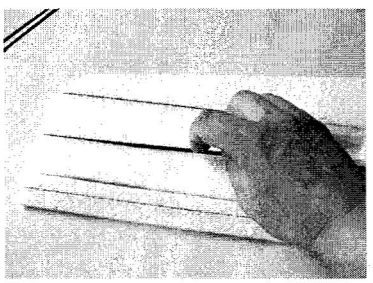
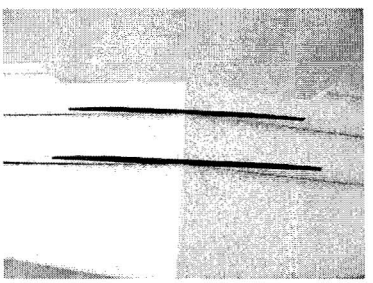
1. We recommend that you get the assistance of an experienced pilot during the assembling process.不熟悉组装的人请向有经验的人请教，听取他们的意见后再进行组装。
2. The kit contains small parts. Keep out of children's reach when ,sembling it.飞机含小部件，请在幼儿接触不到的地方进行安装工作。
3. The flying weight of the plane is about 400g. In order to ensure the flight performance, use the motor and battery with suitable weight.该飞机起飞重量 400 克左右，为了确保飞行性能，请勿使用超规格的马达和电池。
4. We recommend that hang up the model if you do not fly for a long time. Avoid pressure after finishing assembly as it is designed according to flying strength.飞机是按照飞行需要的强度设计的，在安装完成后，移动和保存时请避免挤压，长期放置时建议将飞机挂起放置。
5. Plane is made of EPP material, so assemble it gently to avoid damage. The modeler should take steps to reinforce the high stress points and/or substitute hardware more suitable for the increased stress if necessary.飞机是 EPP 材料的，在 装过程中请勿使用蛮力，以免造成损坏。飞机可根据自己的需要进行加固。



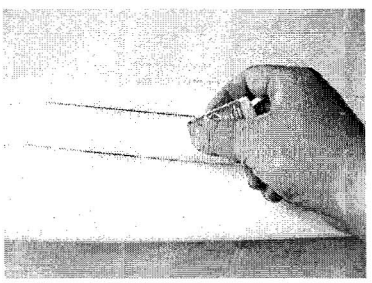
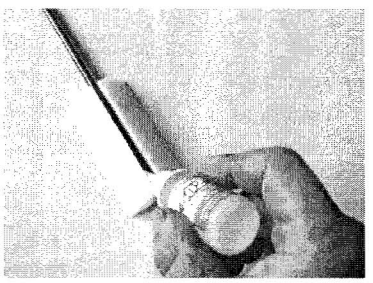
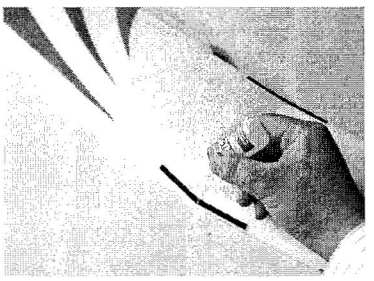
Fuselage 机身 1
Wing 主翼 2
Aileron 副翼 2
Elevator 升降舵 1
Rudder 方向舵 1
Landing Gear Strut 起落架钢丝 2
Plywood Landing Gear Mount 木质起落架座 1
Control Horn 舵角 4
Heat-shrink Tubing 热缩管 1
Wheel 机轮 2
Plywood Motor Mount 木质马达座 1
Plywood Pushrod Support 连杆木支撑 2
Rear Furrow Wheel PVC Board Support 尾轮支撑 PVC 板 1
Hinge 铰链 3

Carbon Fiber Rod 6*4*430mm 碳纤管 2
Carbon Fiber Rod 3*2*65mm 碳纤管 2
Carbon Fiber Rod 1.2*500mm 碳纤管 2
Carbon Fiber Strip 5*430mm 碳纤片 5
Elastic 橡皮筋 4

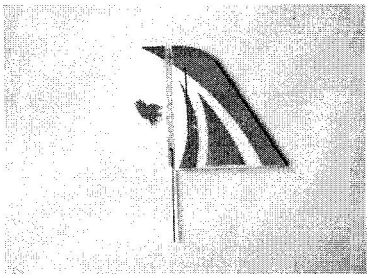
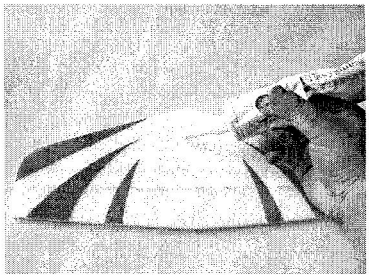
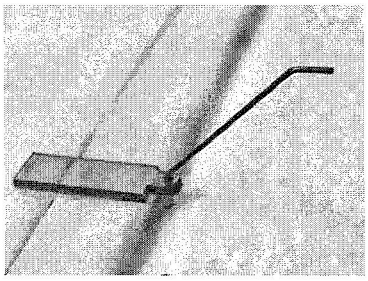
Vertical Stabilizer Fastener 垂直尾翼固定块 1
Steel Wire Z 字形钢丝 4
1mm Connecting Rod 连杆钢丝 2
Pushrod Clip 连杆卡子 2
Steel Wire L 形钢丝 1

Cut 2 carbon fiber strips(160mm) and sharpen them. Glue the left and right wings and insert the 430mm strips to the slots. Put the 2 sharpened carbon fiber strips to the slots in the middle of the wings.
剪 2 根 160mm 长碳纤片，用刀把两端削尖。用胶水把左右机翼粘合，将 430mm 碳纤片插入机翼的缝隙里。将 2 根削尖的碳纤片插入机翼中段的缝隙。

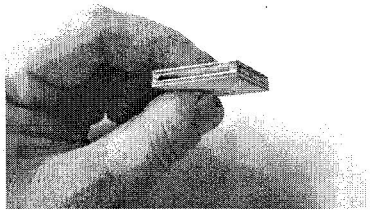
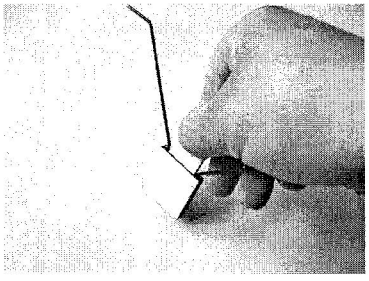
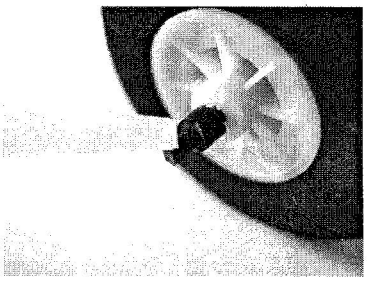




Use quick-setting glue to fix the carbon fiber strips. Insert the 6mm carbon fiber rods to the slots of vertical stabilizer fasteners, glue them. Cut 3 suitable carbon fiber strips and glue them onto the front and trailing edge.
涂抹快干胶把碳纤片粘合牢固。将 6mm 碳纤管插入垂直尾翼固定块的槽里，用胶水固定。剪 3 根合适长度的碳纤片，用胶水将它粘合到机翼的前缘和后部。

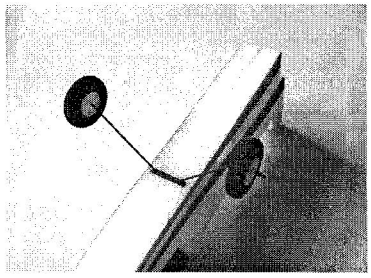
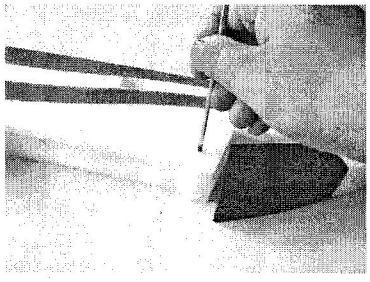
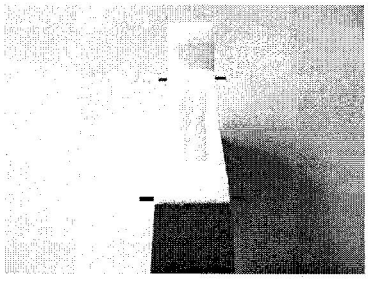
Insert one end of the steel wire L to the vertical stabilizer. Use glue on the midline of the horizontal stabilizer, and fix it together with vertical stabilizer fastener. Put vertical stabilizer into the fastener. Use nipper pliers to bend a 45 bevel of the steel wire L. Glue the rear furrow wheel PVC board to the horizontal stabilizer.

将 L 形钢丝的一头插入垂直尾翼。在水平尾翼的中间涂胶水，并与垂直尾翼固定块粘合，将垂直尾翼插入垂直尾翼固定块，用尖嘴钳 L 形钢丝折弯 45 度，将尾轮支撑 PVC 板粘合在水平尾翼上。

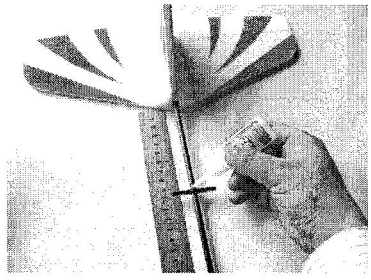
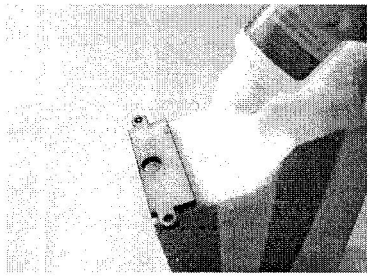
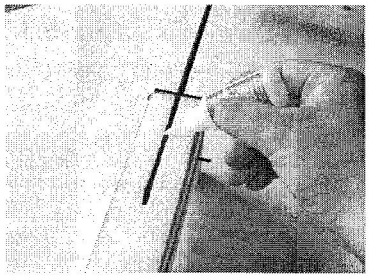
Use glue to fix landing gear mount, insert landing gear strut and plywood. Fix wheel and put the black plastic pipe onto the axle, use a little glue.

用胶水装配好起落架底座，插入起落架钢丝，塞入木片。装上轮子，将黑色塑料管套在轮轴上，用很少量的胶水将其固定。

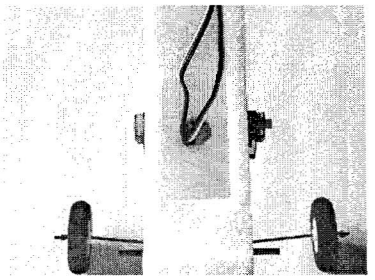
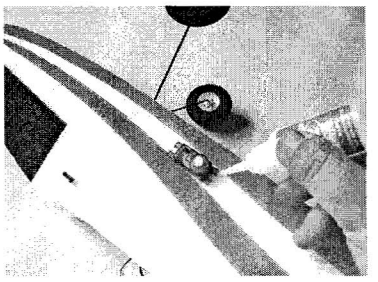
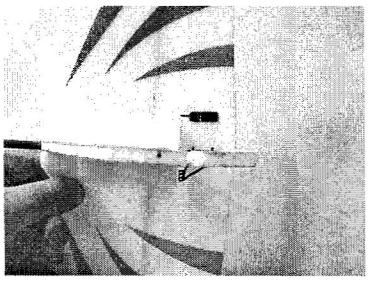




Insert the landing gear to the slots of the fuselage, use some glue. Drill a hole by a sharpen metal rod, insert a carbon fiber rod (3mm) and fix it with glue.

将起落架插入机身底部的槽内，用胶水固定。用尖的金属棒在机身上钻一个孔，插入 3mm 碳纤管，并用胶水固定。

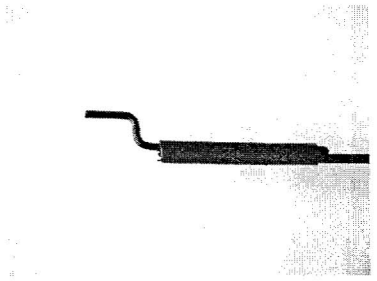
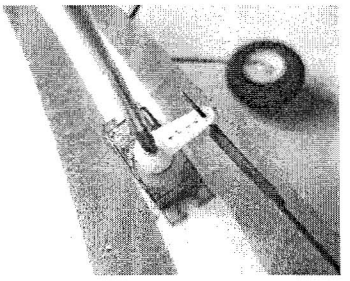
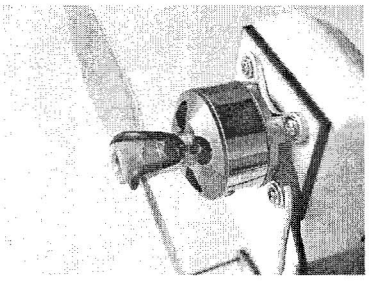




Put the plywood pushrod support on a 6mm carbon fiber rod. Use some glue to fix it at a distance of 100mm from the horizontal stabilizer. Glue the other one to the back of the fuselage.将连杆木支撑套在 6mm 的碳纤管上，在距离水平尾翼 100mm 的地方用胶水固定。将另外一块连杆支撑粘合到机身的后部。用胶水固定。

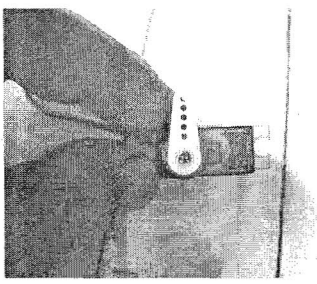
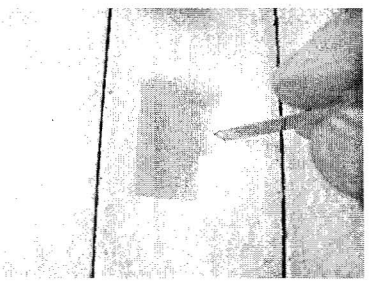
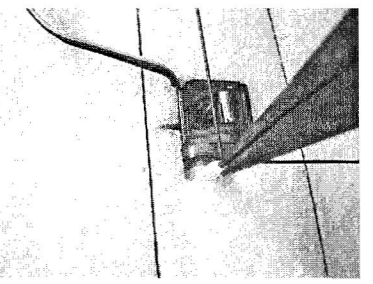
Put servo into the fuselage. Draw out the servo wire from the hole inside the fuselage. Use some glue to fix the servo. Insert control horns to horizontal and vertical stabilizer, fix with control horn soleplates.

将舵机插入机身，将舵机线从机身内部的小孔引出，用胶水固定舵机。在水平尾翼和垂直尾翼上插入舵角，用舵角底板固定。

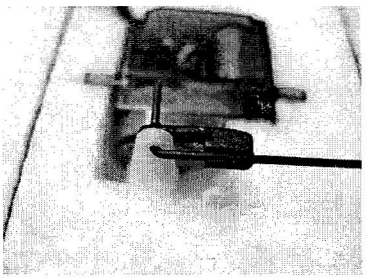
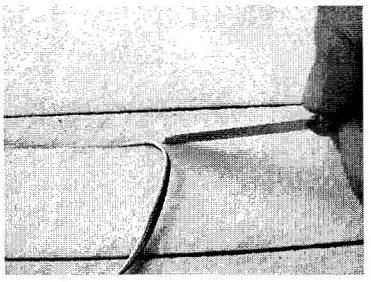
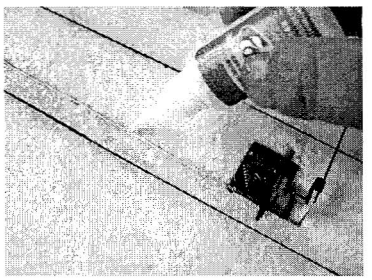
Insert steel wire Z to the hole of the control horn. Use heat-shrink tubing to connect it with 1.2mm carbon fiber rod. Contract the heat-shrink tubing by electric soldering iron. Fixed with some glue. Glue motor mount to the fuselage. Fix the motor to it with screwdriver.

将 Z 字形的钢丝插入舵角的小孔内，用热缩管将其与 1.2mm 碳纤棒连杆连接，使用电烙铁收缩热缩管，用少量胶水加固。将电机底座用胶水粘合到机身上，用螺丝刀将电机固定到电机木底座。

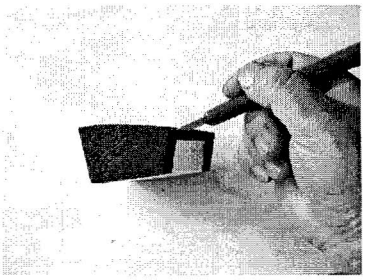
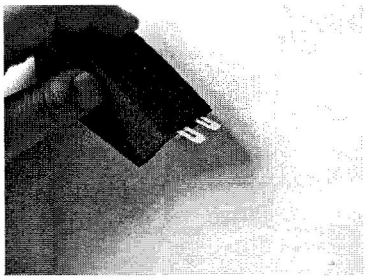
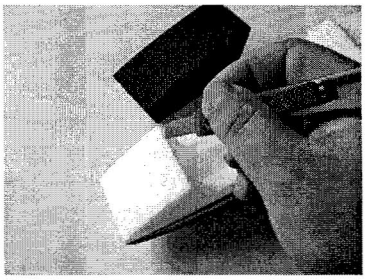
Connect servo with receiver to make sure it turns to the midpoint, and fix servo arm. Cut 2 slits and insert servo to the right place. Put one end of the connecting rod into the hole of control horn, and use nipper pliers to bend a 90 bevel of the other end at the place of the hole of servo arm. Leave 10mm and trim away any excess of rod.

将舵机接到接收机上，使舵机转动到中点位置，安装好舵臂。在舵机坑的边上用刀切开两个小口，塞入舵机，将连杆钢丝一头插入舵角的小孔，一头在舵臂小孔的位置用尖嘴钳将它折弯 90 度，留 10mm，剪掉多余的钢丝。

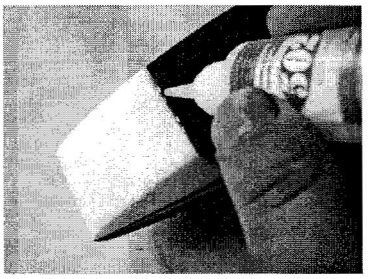
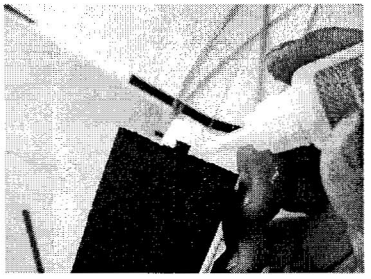
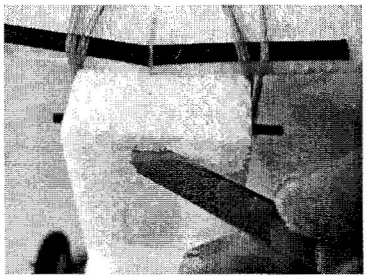
Fix the rod with pushrod clip. Cut a slot (3mm deep) on the wing. Put into servo wire and glue it.

用连杆卡子固定好连杆。在机翼上切开一条 3mm 深的槽，将舵机线塞入槽内，用胶水固定。

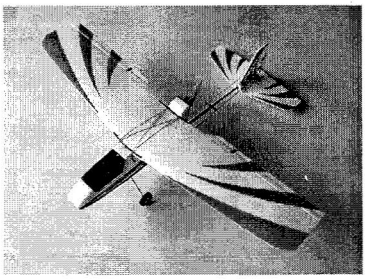
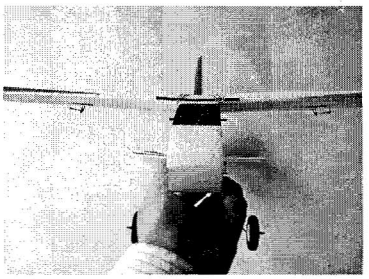
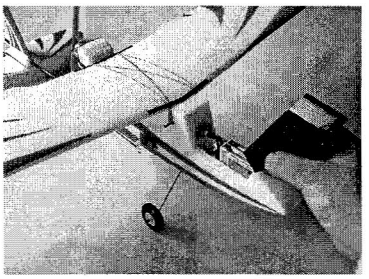
Cut slits in the front edge of the hatch. Insert hinges and fixed with some glue. Cut slits on the fuselage.

在机舱盖子的前缘切开缝隙，插入铰链，用胶水固定。在机身上切开缝隙。

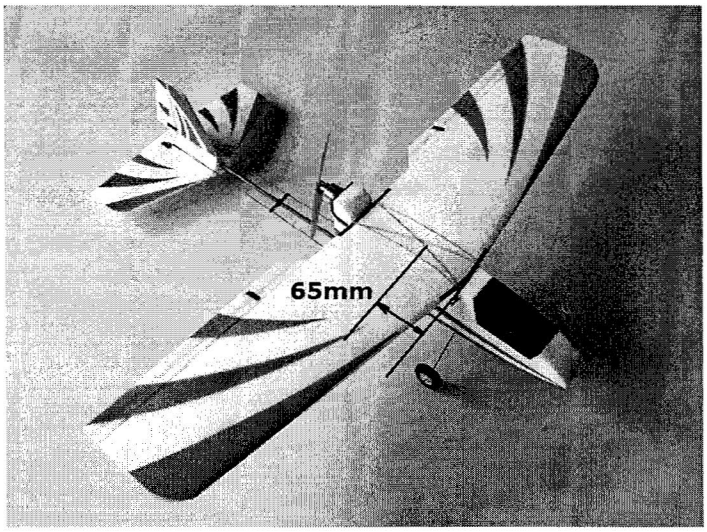
Use hinges to connect hatch with the fuselage, use some glue. Cut slits on the rear edge of hatch, insert and glue a 10mm carbon fiber strip, leave 4mm out. Cut a slit at the right place. Make sure the carbon fiber strip can fit the slit as the hatch closed.

用铰链将座舱盖子和机身连接，在铰链处用胶水粘合。在机舱盖子的后缘切开缝隙，插入 10mm 长碳纤片，碳纤片露出 4mm，用胶水固定。在机身合适的位置用刀切开一个缝隙，使座舱盖关闭的时候碳纤片正好能卡在缝隙里。

Fix receiver and ESC inside the fuselage. Put wing and fuselage together, fixed with elastic. Make sure wing and horizontal stabilizer are parallel. Put Li-Po battery in the cabin and adjust the place of the battery to change the C/G.

在机身内部安装好接收机和电调，将机翼装到机身上，用橡皮筋固定。从正面观察机翼和水平尾翼应该保相互行。在座舱里装入锂电池，通过调整电池的位置改变飞机的重心。



Balance Point 平衡点:

The Center of Gravity (C/G or Balance Point) is 65mm from the leading edge of the wing.

重心在距离机翼前缘的 65mm 处。

Motor Thrust 马达拉力角:

We suggest that you add 2 degrees of down-thrust and 1 degrees of right-thrust. This can be achieved by adding a washer or two behind the top and right side of the motor (between the motor and the firewall). When set properly, the trim for the elevator and the rudder should be neutral. Fine-tune the down-thrust and right-thrust until this trim is achieved.

我们建议您增加2度下拉和1度右拉。可通过在马达上部及右部的后面增加1至2个垫片来实现（在马达与马达底座之间）。请适度调整升降舵及方向舵。微调下拉和右拉角，直至飞行完美。

Seek Assistance: If you are a beginner in R/C, we suggest you find an experienced pilot help you with the first few flights. This will prevent damage from your model and will speed up the learning process. It makes your R/C experience more enjoyable. You can contact R/C clubs or your dealer to obtain the names of experienced R/C pilots who would be willing to help you in learning.

Contact us at:

E-Mail: info@wxhymx.com fy331@163.com

帮助：如果您在航模界中是个新手。我们建议在初始的飞行中，找一个经验丰富的飞行员帮助您。这样既对您的航模造成更小的伤害，又加快了学习的进程。您的航模历程也更有意思。您可以联系航模俱乐部或者您的经销商，找到一个经验丰富的航模者辅导您。

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