飞行前的建议 PRE-FLIGHT CHECKS

- 安装舵机前, 请先将舵机通电让舵机中心点回中, 以便能更好的调试舵面。
 Check/adjust servo centering, in order to adjust the control surface better.
- 初次启动电机,您需要确认电机旋转的方向以适配您的机型。
 Double-check the spinning direction of motor at first usage, and sure it's suitable for your model.
- 请将重心(CG)调整至说明书所述位置并尽量靠近。如果有需要,您可以增加机头或者机尾的重量,以确保机体有更好的飞行姿态。 Set the center of gravity (CG) at the position that manual already marked out. If necessary, add weight to the nose or tail to ensure the best flight performance.
- 检查机身内部,确保所有设备正常连接;检查机身表面,包括但是不限于蒙皮,固定螺丝,舱盖,座舱罩等位置。
 Double-check the inside of the fuselage, make sure all the equipments are correctly connected; Check the heat-shrink covering material's surface, Make certain all screws, bolts, cabin and canopy remain secure.
- 在飞行前,请检查您电池情况,若有低电压,电池损坏等情况,请您停止操作并马上更换电池。
- Take great care when connecting/disconnecting the battery, pls replace the battery immediately once found low voltage or damage to battery.
- 机身内部设备连接的方式,会和您的收发设备有关,在一些功能更多的收发设备上,您可以通过设置简化机身内部设备的连接。详细请查看您的收发设备以确认是否满足您需要的功能。
 The way the internal devices of the fuselage are connected will be related to your transmitter-receiver device. For those transmitter-receiver devices with more functions, you can simplify the connection of the internal devices of the fuselage. Check your device for details to see if it meets the features you need.
- ◆ 动力设备和收发设备第一次配对时,可能需要设置油门最大行程,请您自行设置。
 ◆ When the power system and transmitter-receiver device are paired for the first time, you may need to set the maximum stroke of the throttle. Please set it yourself.

注意事项 **SAFETY PRECAUTIONS**

- 这个产品不是玩具,而是一个复杂的具有难度的飞行器。您和您身边人的安全取决于您如何操作它,您需要了解相关知识,并谨慎操作。禁止 没有成人陪伴的儿童独自操作该设备。不适合14岁以下人群使用。再次强调,这不是一个玩具。
- This product should not be considered a toy, but rather a complicated and sophisticated flying model. Your safety depends on how you use and fly it, If not correctly operated, could cause injury to you or your family members. Children must be accompanied by an adult at all times if operating this product. Not suitable for children under the age of 14. THIS IS NOT A
- 不要在机场,军事基地,居民区或其他任何受限制的地方飞行。
 Do not fly around some restricted location like airports, military bases, residential areas, etc.
- 您需要对发射机进行距离检查, 以确保没有收到任何干扰。
- You will need to range check the transmitter to be sure you are not experiencing any interference.
- 始终保持先打开发射机后打开接收机, 先关闭接收机后关闭发射机的步骤。
 Always turn on the receiver last after turning on the transmitter and shut off the receiver first before turning off the transmitter.
- 如果您是初学者,建议您在有经验玩家的协助下调试和飞行。
 If you are only a beginner to the radio control model flying, do not attempt to fly your model without any assistance or advice from advanced expert fliers.
- 请将相关物品放置在孩子们够不到的地方
- Keep relevant items out of reach of children.
- 这个设备的设计已经超过我们正常使用所需要刚性要求,但若您需要以超出我们推荐的动力飞行时,请合理控制动作幅度并适当增加机体强度。
- This product has been flight tested to meet or exceed our rigid performance and reliability standards in normal use, if you plan to perform any high-stress flying, you are solely responsible for taking any and all necessary steps to control movement range and reinforce the body
- 您的设备中可能包括一些玻纤和碳纤雕刻的部件,这些纤维部件所带的粉尘可能会引起眼睛,皮肤的不适,请您在需要的时候带上护目镜或者防尘服。
- This product may include some fiberglass and carbon-fiber reinforced plastic parts, which may cause eye and skin discomfort, pls wear the goggles or dust-proof clothes when needed.
- 因航空运输安全管制,您收到的产品可能没有清单中出现过的胶水,请您理解无法发送胶水给您的原因。您可以在当地文具店很方便的购买到您所需要
- Due to air traffic safety control, the products you receive may not have the glue that appears in the list. Please understand and purchase the glue you need at your local stationery store.





1.52M Pitts **Balsawood Scale Airplane**



Instruction Manual



飞行参数 **Specification**

翼展:1.52M (60") 机长:1.36M (53.5")

起飞重量: ≈EP 3.8Kg / GP 4.2Kg

翼面积: 65.7dm²

翼载荷: EP: 58g/dm² GP: 64g/dm²

Wingspan:1.52M (60") Fuselage Length:1.36M (53.5") Fly weight:≈EP 3.8Kg / GP 4.2Kg

Wing Area: 65.7dm²

Wing Load: EP: 58g/dm² GP: 64g/dm²

推荐配置 **Suggested Equipment**

电动马达: AT4125-540KV

桨叶: 16inch 电调: 80A (6S)

电池: 6S 3800-6000mAh 舵机: 17g*2pcs 25g*3pcs

诵首: 4CH+

油动引擎: NGH GT25

桨叶: 17inch

舵机: 17g*2pcs 25g*3pcs 油门控制 37g*1pcs

诵道: 4CH+

Motor: AT4125-540KV

Prop:16inch ESC: 80A (6S)

Battery: 6S 3800-6000mAh Servo: 17g*2pcs; 25g*3pcs Radio: 4CH+

Oil Engine: NGH GT25

Prop: 17inch Servo: 17g*2pcs; 25g*3pcs; 37g*1pc

Radio: 4CH+



配件图仅做参考用,您收到的实物可能因为修改/优化的原因导致与图片有略有不同。 Photos shown here just for reference, the product you received maybe slightly differ from the photos due to continuous improvement on products. XCG03-I XCG03-A (CG03-F XCG03-G

XCG03-A:机身 Fuselage

XCG03-B:上机翼 Upper Wing

XCG03-C:下机翼 Lower Wing

XCG03-D:起落架 Landing Gear

XCG03-E:机翼支架 Wing bracket

XCG03-F:水平尾翼 Horizontal tail

XCG03-G:尾轮组 tail wheel set

XCG03-H:垂直尾翼 Vertical tail

XCG03-I:头罩 Cowling

XCG03-J:垂直尾翼 Vertical tail

XCG03-K: 螺丝及配件 screws & parts

连杆 Connecting rod 拉线 Stay wire

舵角 Rudder horn 木块, 木杆 Wood block; Wood rod

碳杆 Carbon rod

魔术贴 Velcro

装配提示符号 Assembly symbol guide



确保自由转动



使用适量快干胶粘固 Use medium CA



使用少量快干胶粘固 Use thin CA



用铅笔做记号 Use a pencil



用力推入 Push tightly



用模型刀切割 Use hobby knife with



Fully Tighten



Apply Oil



Repeat multiple times



Apply threadlock



左右对称安装 Assemble right



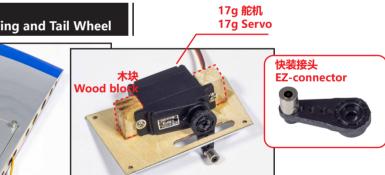
使用环氧胶粘固 Use epoxy adhesive

起落架安装 Assemble the Landing Gear





02-1

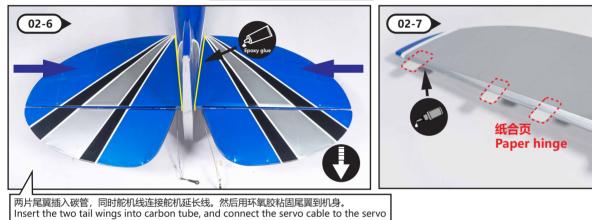


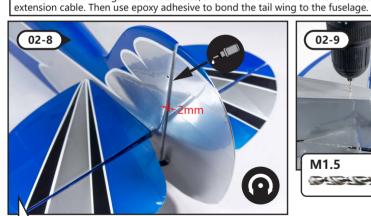












安装转向舵到尾翼,调整间隙后用CA胶粘合连接处纸合 页。保持舵面可以自由转动。 Install the steering rudder to the tail wing. After

adjusting the clearance, glue the paper hinge at the joint with CA glue.

Keep the control surface free to rotate.



Control horn



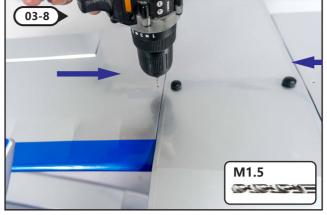




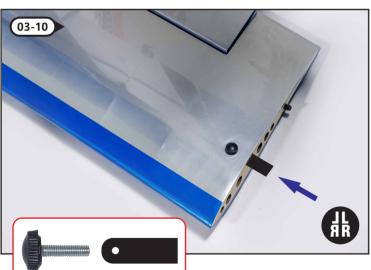
1.52M Pitts Instruction Manual







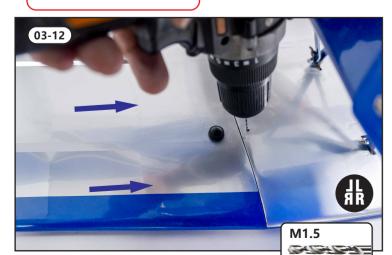




drilled at the screw, and then

fix with screw.





03-13

螺丝处钻孔点少量CA胶,再拧入螺丝。 A small amount of CA glue is drilled at the screw, and then fix with screw.



安装机翼支架,如图所 示,并注意几处细节。 Install the wing bracket as shown, and pay attention to several details.







安装固定好左右机翼支架后,最后粘固中间支架。用环氧胶粘固, 粘合时保持上机翼平直。 After installing and fixing the left and right wing brackets, finally fix the middle bracket. Use epoxy adhesive to bond and keep the upper wing straight during bonding.





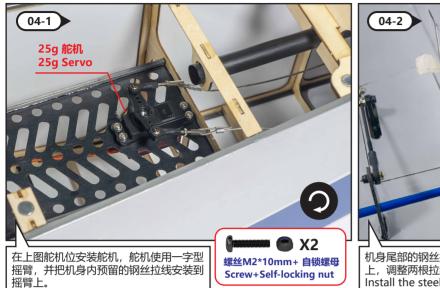
安装连杆,连接上下机翼的副翼。旋转连接头调整连杆到 合适长度。

Install connecting rods to connect the ailerons of the upper and lower wings. Rotate the connector to adjust the connecting rod to the appropriate length.



X2 螺丝M2*10mm+ 自锁螺母 Screw+Self-locking nut

垂直尾翼控制舵机安装 Install the control servo of vertical tail





安装马达及机头罩 Install the motor and cowling

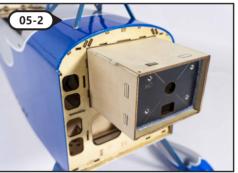
Install the servo in the servo position shown in the diagram, using a

horizontal rocker arm, and install the

steel wire cables reserved in the body

onto the rocker arm.





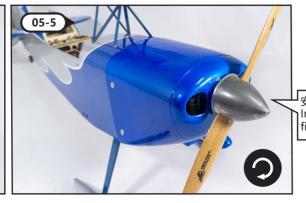
注意: 马达座已设计右拉和下拉角度。 Note: The motor mount has been designed with a pull down angle and a pull right angle.



结合05-4这个步骤,根据马达尺寸调整马达座位置,调整好后用环氧胶粘固马达座。

In combination with steps 05-4, adjust the position of the motor base according to the size of the motor, and then use epoxy adhesive to fix the motor mount.

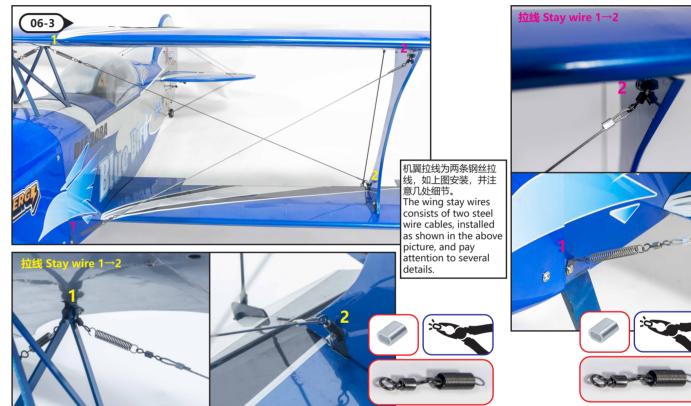


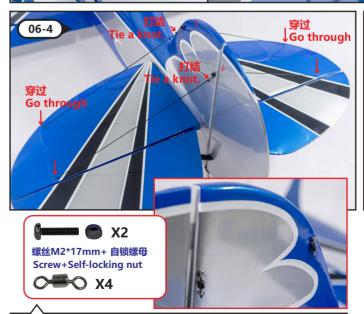


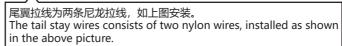
安装桨叶,用桨夹固定。 Install the propller and fix with adapter.

机翼拉线安装 Install the stay wire





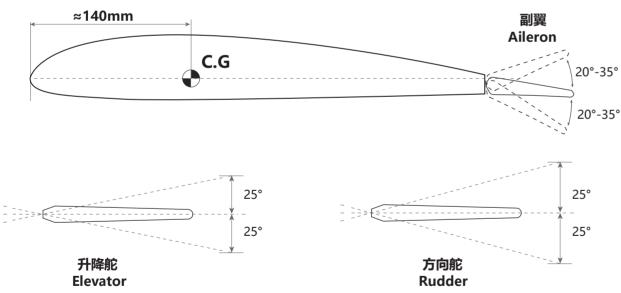






8-





常规飞行(Normal Flying) 3D飞行 部分飞机支持(3D Flying only support some models)

副翼 Aileron± (15°-30°)±40°或者更大(or larger)平尾 Elevator±15°±40°或者更大(or larger)垂尾 Rudder±15°±40°或者更大(or larger)常用襟翼 Flap(起飞 take-off)15°-20°(降落 Landing)20°-40°

部分特殊机型会有V型尾翼,襟翼,前缘机翼或舵面很小等,可以以常规飞行的角度作为参考,在您不确认且没有有经验人员指导的情况下。我们建议你先以小角度试飞以确认你的设置是否正确

的情况下,我们建议您先以小角度试飞以确认您的设置是否正确。
Some special models will have V-tails, flaps, leading edge wings, etc., which can be used as a reference for conventional flight angles. If you do not confirm and there is no experienced person to guide you, we recommend that you first test at a small angle to confirm that your settings are correct.

地面控制方向测试 Control Directions Tests

	遥控器动作 Transmitter Command	飞机反应 Aircraft Reaction
升降舵」	升降杆下拉 Lifting rod down	
Elevator	升降杆上推 Lifting rod up	
副 翼 C	转向杆向右 Steering rod to the right	
Aileron 麓圓	转向杆向左 Steering rod to the left	
方向舵、	方向杆向右 Direction rod to the right	
Rudder	方向杆向左 Direction rod to the left	



更多电子设备调试细节可参考以下链接查看(可直接扫二维码) More details about power system adjustment, please refer to below link: (You can scan QR Code directly.)

http://www.dwhobby.com/art/connection