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.





1.6M 1:5 S.E.5a

Balsawood Scale Airplane



Instruction Manual





飞行参数 Specification

翼展:1.62M (63.8") 机长:1.25M (49.2") 起飞重量: ≈3.1kg

Wingspan:1.62M (63.8") Fuselage Length: 1.25M (49.2") Fly weight:≈3.1kg

推荐配置 Suggested Equipment

马达: 3520-4220 800-500KV

桨叶: 14inch 电调: 60-80A (4S) 电池: 4S 2200-4000mAh 舵机: 17g*4pcs

通道: 4CH+

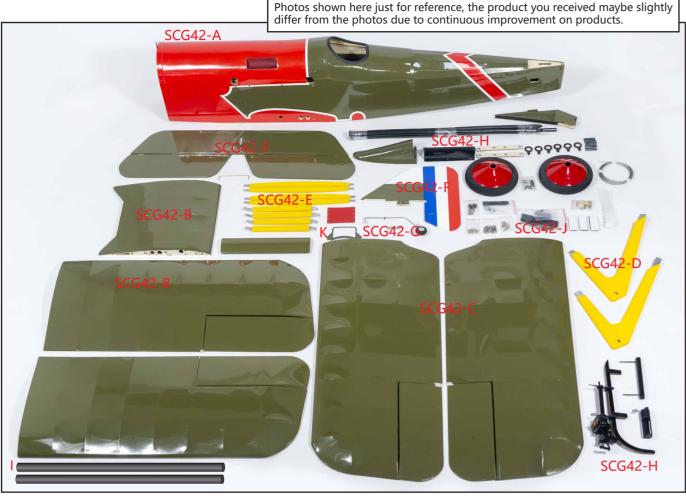
Motor: 3520-4220 800-500KV

Prop: 14inch ESC: 60-80A (4S)

Battery: 4S 2200-4000mAh

Servo: 17g*4pcs Radio: 4CH+





SCG42-A:机身 Fuselage

SCG42-B:上机翼 Upper Wing

SCG42-D:起落架 Landing Gear SCG42-E:机翼支架 Wing bracket

SCG42-F:水平尾翼 Horizontal tail/垂直尾翼 Vertical tail

SCG42-H:像真机枪 Dummy machine gun

瞄准器 Collimator

排气管 Exhaust pipe

SCG42-G:尾轮组 tail wheel set

K:PVC 风挡 PVC window shield

SCG42-C:下机翼 Lower Wing

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。

SCG42-J: 螺丝及配件 screws & parts

舵角 Rudder horn

木块, 木杆 Wood block; Wood rod

连杆 Connecting rod

拉线 Stay wire

装配提示符号 Assembly symbol guide



确保自由转动 Ensure free rotation



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



Push tightly



用模型刀切割 Use hobby knife with



Fully Tighten



Apply Oil



Repeat multiple times



Apply threadlock

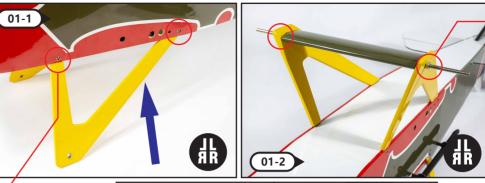


左右对称安装 Assemble right



使用环氧胶粘固 Use epoxy adhesive

起落架安装 Assemble the Landing Gear



M6x375mm 丝杆 **Screw rod** 螺母+丝杆





轮轴套+螺母+自锁螺母 Wheel axle sleeve+Nut+Self-locking nut

按图示顺序安装轮轴套与螺母 Install the wheel axle sleeve and nut in the sequence shown in the figure

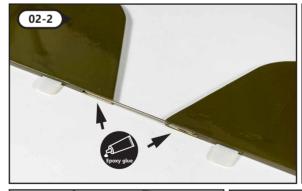


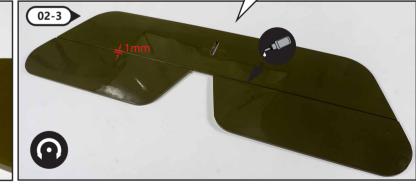


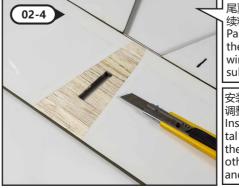
按图示在尾翼舵面上安装纸合页,并把 两个舵面通过U型钢丝连接起来。 Install paper hinges on the tail control surface as shown in the figure, and connect the two control surfaces with U-shaped steel wires.

把舵面通过纸合页与尾翼连接, 调整间 隙后纸合页处用CA胶粘合,并保持舵面 可以自由转动。

The control surface is connected with the tail wing through the paper hinge. After adjusting the clearance the paper hinge is fixed with CA adhesive and the control surface can rotate freely.

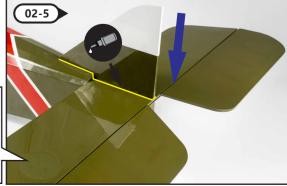






1 尾翼反面切除部分蒙皮,方便后 续粘合。 Part of the covering film on the reverse side of the tail wing is cut off to facilitate subsequent bonding.

安装垂直尾翼与水平尾翼到机身尾翼, 调整到相互垂直后,用CA胶粘固。 Install the vertical tail and horizontal tail to the fuselage tail, adjust them to be perpendicular to each and then use CA glue to fix them.



1.6M S.E.5a Instruction Manual

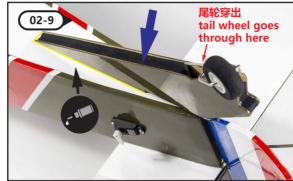






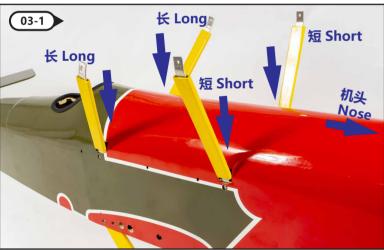




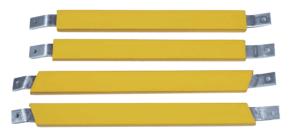


自攻螺丝 **Self-tapping screw** M2x10mm

机翼安装 Wing installation



A small amount of CA glue is drilled at the screw, and then fix with screw.

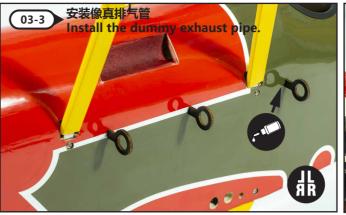


安装机翼支架,调整到图示角度,并注意安装顺序。 Install the wing brackets, adjust them to the angle shown in the figure, and pay attention to the installation sequence.



螺丝M3*15mm

安装部分像真件 Installation of dummy parts







支架装入预留孔,少量CA胶粘固,左右 The bracket is installed into the reserved hole, and a small amount of

CA glue is used for fixing.
The left and right sides are installed the same.



如图安装排气管,左右相同安装。 Install the exhaust pipe as shown in the figure, with the same installation on the left and right

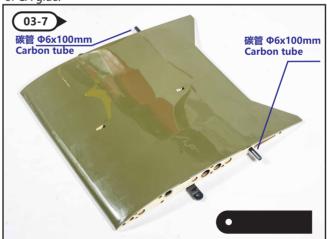




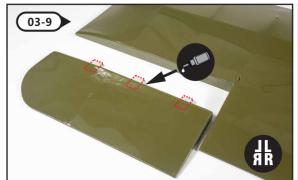
插入预留孔,少量CA胶粘固。 Insert into the reserved hole and fix with a small amount of CA glue.





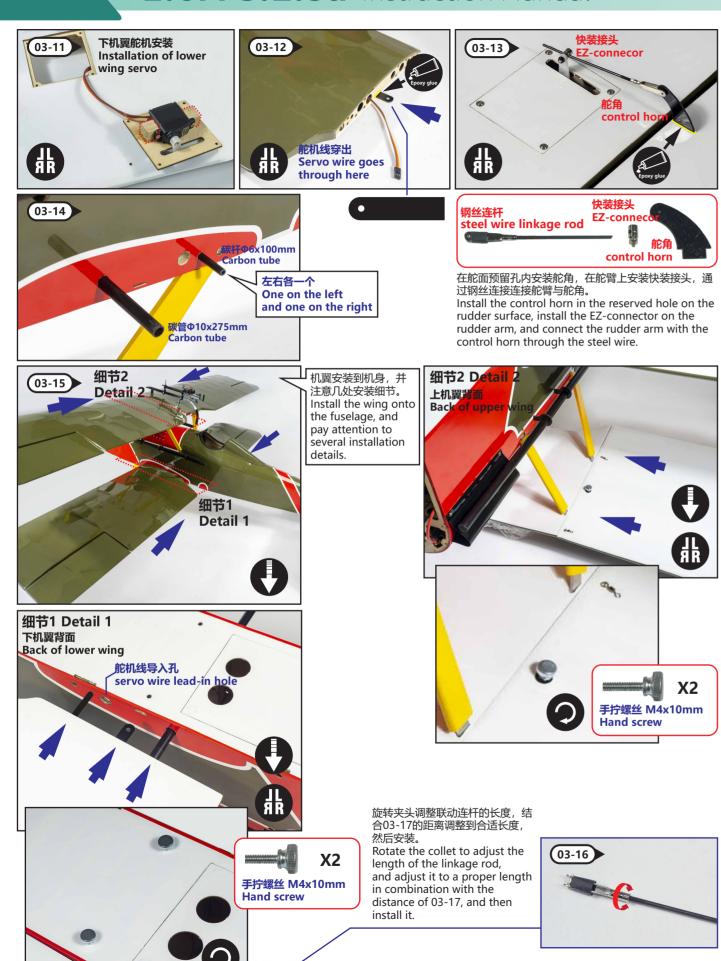








注意:上下机翼舵面均按03-9、03-10步骤安装,左右相同安装。 Note: The upper and lower wing control surfaces shall be installed according to steps 03-9 and 03-10. and the left and right wing control surfaces shall be installed the same.

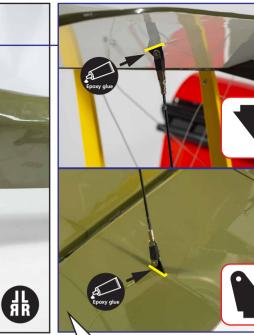




机翼支架安装到上下机翼之间,插入机翼上的预留孔,连接处用环氧胶粘固。安装支架时注意调整方向。

The wing bracket is installed between the upper and lower wings, inserted into the reserved hole on the wing, and the joint is bonded with epoxy adhesive.

Pay attention to the adjustment direction when installing the bracket.



在舵面的预留孔上安装舵角,用03-16调整好的钢丝连杆连接上下机翼的舵面,并保持可以联动。

Install the control horn on the reserved hole of the control surface, connect the upper and lower wing control surfaces with the 03-16 adjusted steel wire connecting rod, and keep them linked.

04 水平尾翼,垂直尾翼控制舵机安装 Installation of control servos for horizontal tail and vertical tail



X4

在图示舵机位置安装舵机,舵臂上安装快装接头, 升降舵和方向舵预留孔处安装 舵角, 把舵机与舵角用钢丝连杆连接。

Install the servo at the servo position shown in the figure, install the EZ-connecor on the rudder arm, install the control horn at the reserved hole of elevator and rudder,

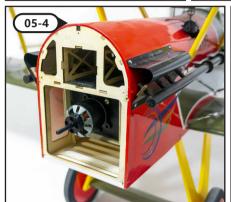
and connect the servo and control horn with steel wire connecting rod.

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













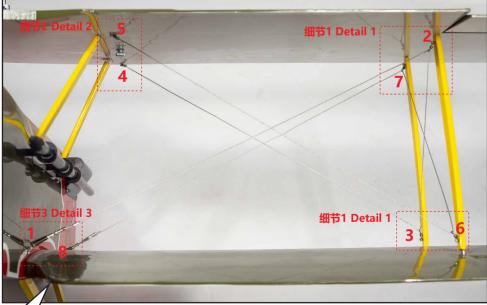
结合05-4,05-6两个步骤,根据马达尺寸调整马达座位置,调整好后用环氧胶粘固马达座。 In combination with steps 05-4 and 05-6, adjust the position of the motor base according to the size of the motor, and then use epoxy adhesive to fix the motor base.

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

细节1 Detail 1

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

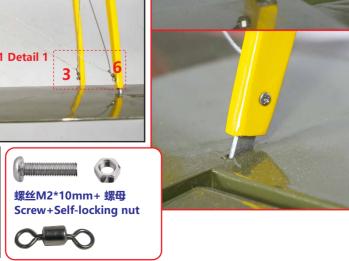
机翼拉线安装 Install the stay wire



机翼拉线为一条,按数字顺序进行穿线安装。从1处开始,在8处结束。 安装时注意几处安装细节。

There is one wing stay wire, which shall be threaded and installed in numerical order. Start at 1 and end at 8. Pay attention to several installation details during installation.

拉线 Stay wire

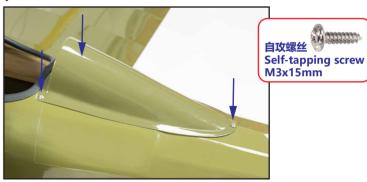


细节2 Detail 2 细节3 Detail 3 在细节2,3预留的螺丝孔中点入少量CA胶,再如图安装自攻螺丝及相关扣具。 Insert a small amount of CA glue 自攻螺丝 Self-tapping screw **X2** M2x10mm into the reserved screw holes in Self-tapping screw X2 Details 2 and 3, and then install M2x10mm the self-tapping screws and relevant fasteners as shown in

安装部分像真件 Installation of dummy parts

the figure.



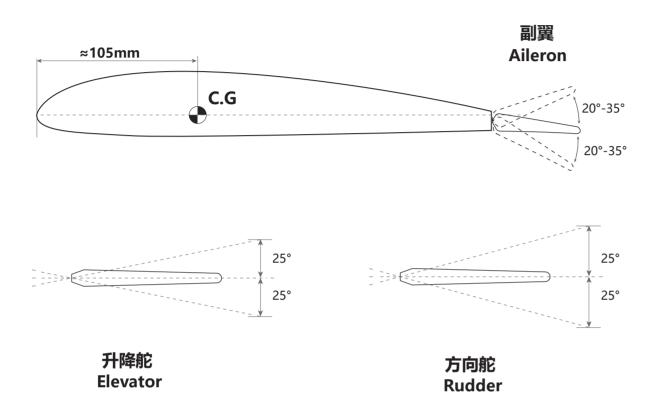


设置和调试 Set and Adjust

重心位置展示 Display the C.G



通常情况下,舵面角度的设置如下: Usually, the control throws set as below:



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
Elevator 週初任	升降杆下拉 Lifting rod down	
Elevato	升降杆上推 Lifting rod up	
副異	转向杆向右 Steering rod to the right	
Aileron 萬間	转向杆向左 Steering rod to the left	
方向舵	方向杆向右 Direction rod to the right	
万向舵 Jappna	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