

Suitable for age 14

QF008
3CHANNEL MODEL AIRPLANE
三通道固定翼像真机
INSTRUCTIONS
使用说明书



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Thank you for buying QFENG products. QF008 is the latest technology in RC models. Please in ase read this manual carefully before assembling and flying the new QF008 airplane. We recommend that you keep this manual for future reference regarding tuning and maintenance.

感谢您选用像真机系列产品。QF008是最新遥控技术，在组装和开始操纵飞机前，请仔细阅读本说明书，请您妥善保管本说明书，以作日后调整和维护。

1. INTRODUCTION 前言

Thank you for choosing QF Feng product! QF008 is a world's first in a smaller space, and outdoor sport flying remote control fixed-wing aircraft, in order to make it easier and easier to use QF008, please read the complete instructions after operating this model airplane. For your convenience, please read this manual before use and keep the instructions.

感谢您选择像真机系列产品。QF008是一款室外飞行的运动型固定翼飞机，为了让您更方便、更轻松地使用QF008，请在仔细阅读完说明书后，在作飞行前仔细阅读本说明书，并妥善保管本说明书，以作日后调整和维修参考。

WARNING LABEL LEGEND 标志代表含义

WARNING 警告	Mishandling due to failure to follow these instructions may result in damage or injury. 因未遵守这些操作说明，而使错误可能造成财产损失或人身伤害。
CAUTION 注意	Mishandling due to failure to follow these instructions may result in damage. 因未遵守这些操作说明，而使错误可能造成财产损失。
FORBIDDEN 禁止	Do not attempt under any circumstances. 在任何禁止的环境下，请勿尝试操作。

IMPORTANT NOTES 重要事项

QF008 is not toy product operational process is dangerous. Please follow the instructions of the instructions and any modifications that result in accidental injury. The use of this airplane beyond its intended purposes and disassembly may cause unforeseen danger, and should be avoided.

QF008不是玩具产品，其操作过程是危险的。请严格按照说明书中的说明进行操作，任何对说明书的修改或拆卸都可能造成意外危险，应避免。

本产品为固定翼飞机，其操作过程是危险的。请严格按照说明书中的说明进行操作，任何对说明书的修改或拆卸都可能造成意外危险，应避免。

We recommend that you seek the assistance of an experienced pilot before attempting to fly our products for the first time. A local expert is the best way to properly assemble, setup, and fly your model for the first time. The requires a certain degree of skill to operate, and is an item subject to normal wear and tear. Please contact the dealer for after-sales problems.

我们建议您寻求有经验飞行员在首次尝试飞行我们的产品之前提供帮助。本地专家是首次正确组装、设置和飞行模型的最佳方式。这需要一定的技能水平，并且是一个会受到正常磨损和撕裂的项目。如有售后问题，请联系经销商。

2. SAFETY NOTES 安全注意事项

WARNING 警告

Fly only in safe areas, away from other people. Do not operate R/C aircraft within the vicinity of crowds or people. R/C aircraft are prone to accidents, failures and responsible for their actions and damage or injury occurred during pilot error, and radio interference. Pilots are responsible for their actions and damage or injury occurred during the operation or as a result of R/C aircraft models.

仅在安全区域飞行，远离其他人员。请勿在人群附近操作遥控飞机。遥控飞机容易发生事故、故障，飞行员对其行为造成的损害或人身伤害负责。飞行员对其行为造成的损害或人身伤害负责。

FORBIDDEN 禁止

Special deplacal design for indoor & outdoor, please keep obstacle away. 室内、室外专用机，请远离障碍物。

CAUTION 注意

KEEP AWAY FROM HEAT 远离热源

P/C models are made of various forms of plastic. Plastic is very susceptible to damage or deformation due to extreme heat and cold climate. Make sure not to store the model near any source of heat such as an oven, or heater. It is best to store the model indoors, in a climate-controlled room temperature environment.

P/C模型是由多种形式的塑料制成的。塑料极易受到极端高温或低温气候的损坏或变形。请确保不要将模型存放在任何热源（如烤箱、加热器）附近。最好将模型存放在室内，在温控环境中。

FORBIDDEN 禁止

PREVENT MOISTURE 远离潮湿环境

R/C models are composed of many precision electrical components. It is critical to keep the model and associated equipment away from moisture and other contaminants. The introduction of exposure to water or moisture in any form can cause the model to malfunction resulting in malfunction, or a crash. Do not operate or expose to rain or moisture.

遥控模型是由许多精密的电子元件组成的。必须保持模型远离潮湿或水汽。避免在浴室或雨天使用，防止水汽从机身内部导致精密电子元件故障从而造成不可挽回的损失。

FORBIDDEN 禁止

BATTERY PRECAUTIONS 电池注意事项

In order to avoid potential fire hazards caused by batteries, do not short circuit the polarity of batteries or pierce them. Batteries must be charged away from children and under supervision.

为了避免电池短路造成火灾危险，请勿将电池正负极短路，电池充电时必须远离儿童在监督下进行充电。

FORBIDDEN 禁止

PROPER OPERATION 勿不当使用本产品

To avoid potential fire hazard from batteries, please do not short, reverse polarit, or puncture batteries. Battery charging must be done under supervision at all times, and at location out of reach by children.

为了避免电池短路造成火灾危险，请勿将电池正负极短路，电池充电时必须远离儿童在监督下进行充电。

FORBIDDEN 禁止

SAFETY NOTE FOR N-MH BATTERIES 镍氢电池使用安全

Make sure the batteries are installed based on polarity indicated in the case and do not mix batteries of different chemistry/spec. Please take out the batteries if you are not going to use for a long time to avoid potential leakage which may damage the transmitter. Please dispose depleted batteries according to local laws and ordinances. Do not dispose improperly, as they may cause environmental pollution.

确保电池按照正负极指示正确安装，请勿混用不同化学/规格的电池。如果您长时间不使用，请取出电池以避免潜在的泄漏，这可能会损坏发射器。请根据当地法律法规妥善处理耗尽的电池。请勿随意丢弃，以免造成环境污染。

FORBIDDEN 禁止

SAFETY NOTE ON LI-POLYMER BATTERIES 锂聚合物电池使用安全

Li-Polymer batteries poses higher operational risks compared to other battery chemistry, thus it is imperative to follow its usage instructions. Manufacturer and dealer assume no liability for accidental damages caused by improper usage.

锂聚合物电池相较于其他电池化学类型具有更高的操作风险，因此必须遵循其使用说明，任何不当使用造成的意外损坏，制造商和经销商不承担任何责任。

FORBIDDEN 禁止

DO NOT DISASSEMBLE 禁止任意拆解

Do not disassemble, burn, and reverse polarity. Avoid metallic materials to come into contact with battery's polarity and cause it short and never puncture batteries to avoid fire hazards.

请勿拆解、燃烧或反接极性。避免金属材料与电池极性接触导致短路或火灾危险。请勿刺穿电池以避免火灾危险。

CAUTION 注意

KEEP AWAY FROM HEAT 远离热源

P/C models are made of various forms of plastic. Plastic is very susceptible to damage or deformation due to extreme heat and cold climate. Make sure not to store the model near any source of heat such as an oven, or heater. It is best to store the model indoors, in a climate-controlled room temperature environment.

P/C模型是由多种形式的塑料制成的。塑料极易受到极端高温或低温气候的损坏或变形。请确保不要将模型存放在任何热源（如烤箱、加热器）附近。最好将模型存放在室内，在温控环境中。

3. Sticker 贴纸

Sticky water sticker steps:

1. Remove the transparent film on the top of the water sticker and paste the water sticker with glue on the body to be attached.

2. Wet the water sticker with a wet towel and wait for a minute or so to remove the sticker from the side.

3. Let the water transfer sticker stick to the body and wipe off the excess water with a towel.

1. 撕去贴纸上的透明保护膜，将带背胶的贴纸贴在机身要贴的位置。

2. 用湿毛巾将贴纸充分打湿，等待一分钟左右待贴纸的背胶从侧边剥离开。

3. 让水将贴纸粘在机身上，用毛巾将多余的水擦干净即可。

4. STANDARD EQUIPMENT 标准配件

Equipment list:

- fuselage x 1 机身 x 1
- Right Wing x 1, Left Wing x 1 右翼 x 1, 左翼 x 1
- Vertical tail x 1 垂直尾翼 x 1
- Lumine body x 2, front part x 2, rear part x 2 机身 x 2, 前部分 x 2, 后部分 x 2
- Right motor x 1, Left motor x 1 右电机 x 1, 左电机 x 1
- Standby right propeller x 1 备用右螺旋桨 x 1
- Front wheel bracket x 1 前轮支架 x 1
- Front wheel x 1, rear wheel x 2 前轮 x 1, 后轮 x 2
- Engine bracket x 1 发动机托架 x 1
- glue x 1 胶水 x 1
- Propeller Balancer x 1 螺旋桨平衡器 x 1
- Circuit board x 1 电路板 x 1
- Battery x 1 电池 x 1
- USB charging line x 1 USB充电线 x 1
- Remote control x 1 遥控器 x 1
- Instructions x 1 说明书 x 1

5. Installation steps 安装步骤

1. Apply glue evenly to the motor groove of the wing.

2. Adhesion of motor bracket after aligning motor.

3. Align the motor line to the slot on the wing and paste it with transparent glue.

4. Apply glue evenly on the front of the engine.

5. Align and glue the front cover of the engine.

6. Adhesion of engine tail to wing adhesion surface.

7. Align and glue the rear cover of the engine.

8. Adhesion of engine tail to wing adhesion surface.

9. Adhesion of engine tail to wing adhesion surface.

10. Apply glue evenly on the inside of engine bracket.

11. Align the bracket to the wing bonding surface.

12. Apply glue evenly to the groove of the machine wheel.

13. Put the bracket in the groove of the wheel.

14. The rear wheel is inserted into the bracket, and the right wing is assembled according to the assembly steps of the left wing.

15. First, apply the glue evenly on the left wing joint (note, do not let the glue on the inside glue).

16. Connect the left wing to the right wing.

17. Spread the main wing slot evenly with glue (note, do not let the glue on the inside glue).

18. Let wing and main body bond.

19. Connecting PCB to Server.

20. The motor is connected with the motor port of the circuit board.

21. After the circuit board is connected, the adhesive is evenly applied around the lead frame of the circuit board and bonded to the bottom of the aircraft.

22. Open the battery tank at the bottom of the aircraft.

23. The battery plug is connected with the battery port of the circuit board.

24. Insert front wheel into bracket.

25. Spread glue evenly on the bottom of tail.

6. REMOTE CONTROL 遥控器各部位名称

LED Night Lights LED夜灯

Throttle joystick 油门摇杆

Drop fine tuning 升降微调

Rising fine adjustment 升降微调

Power switch 电源开关

Pudder, Rudder, lift rudder 大小舵，方向舵，升降舵

Direction joystick 升降、下降、左右侧飞

Power LED 电源指示灯

Left side fly 左侧飞行

Right side fly 右侧飞行

Pull-up 拉升

Slide the battery lid to open by following the arrow.

1. Align the battery plug and insert it into the charger.

2. Plug the USB interface of the charger into the computer to charge the battery.

8. BATTERY CHARGING 电池的充电

1. Align the battery plug and insert it into the charger.

2. Plug the USB interface of the charger into the computer to charge the battery.

9. BATTERY AND CHARGER SPECIFICATION 电池与充电器规格

Battery type 电池类型	Battery Specification 电池规格	Usage Duration 可使用时间	Charge Time 充电所需时间
Li-poly battery 锂聚合物电池	3.7V 300mAh/25c	The flight time of the model plane is about 12 minutes.	Approx 45 Minutes (charging current approx 0.5A)

10. BINDING OF RADIO TRANSMITTER AND RECEIVER 遥控器与接收器对频

Step1 步骤1

Plug in the batteries and turn on the power switch. The aircraft indicator flashes.

Step2 步骤2

Turn on the remote control, when the remote control and receiver light flash, a few seconds after the remote control and receiver lights become often lit, the code is completed.

Step3 步骤3

After the code is finished, the L lower rudder surface should be returned, if not back, you can manually adjust the lift/rudder trimming button to make the rudder back.

Hang throwing off 升降抛离

Push the throttle to about 60%, throw in the horizontal direction against the wind and pull the direction joystick at the same time.

Landing 降落

Please landing when the aircraft is underpowered. First reduce the flying height, then land in the wind, pull the throttle joystick until airplane landing (push the direction joystick poorly during the landing).

CAUTION 注意

Falling off if routes can play all over or rudder correction

Ending flight 结束飞行

Please remove the battery in time when the flight finish.

WARNING 警告

Warning: If left connected in the airplane for long duration, the battery may be damaged due to over-charge, or even become fire hazards.

12. FLIGHT ADJUSTMENT AND SETTING 飞行动作调整与设定

PLEASE PRACTICE SIMULATION FLIGHT BEFORE ACTUAL FLYING 飞行前请先模拟飞行

1. Please operate in an open space, place the aircraft directly in front of the operator.

2. Please to operate the throttle stick below illustration and repeat practicing "Throttle high/low", "Aileron left/right", "Rudder left/right", and "Elevator up/down".

3. The simulation flight practice is very important, please keep practicing until the fingers move naturally when you hear operation orders being call out.

FLIGHT ADJUSTMENT AND NOTICE FOR BEGINNERS 新手飞行调整与注意事项

Check if the transmitter and receivers are fully charged.

STEP 1 THROTTLE CONTROL 油门控制练习

After the plane takes off, please control the throttle so that the plane can fly at a constant speed. Do not suddenly accelerate.

13. TROUBLE SHOOTING DURING FLIGHT 如何排除飞行中状况

STEP 3 RUDER CONTROL PRACTICING 方向舵控制练习

Use rudder to control ground taxiing direction and air flight direction.

STEP 4 BIG RUDDER OPERATION 大舵操作

When the rudder is pressed, the indicator on the remote will flash and the aircraft can do some tumbling.

1. The indicator light continues to flash after the aircraft is powered on but the operation is not reflected.

2. No response after battery is connected to airplane.

3. Motor does not respond to throttle stick, receiver LED flashes.

4. Moto fails to run but servo still working.

5. Abnormal aircraft vibration.

14. NOMENCLATURE 模型飞机各部位名称

Diagram of the QF008 model airplane with numbered parts:

1. 螺旋桨 (左/右) Propeller (L/R)
2. 水平尾翼 Horizontal tail
3. 机身 Body
4. 机翼 (左/右) Wing (left/right)
5. 垂直尾翼 Vertical tail
6. 前起落架 Front landing gear
7. 后起落架 Rear landing gear

Table of parts and specifications:

No.	Code No.	Name	Specification	Quantity	Remarks
1		螺旋桨 (左/右)	Propeller (L/R)	2	
2		水平尾翼	Horizontal tail	1	
3		机身	Body	1	
4		机翼 (左/右)	Wing (left/right)	2	
5		垂直尾翼	Vertical tail	1	
6		前起落架	Front landing gear	1	
7		后起落架	Rear landing gear	1	

WARNING 警告

When the aircraft feels weak when flying, it means that there is no power. It is recommended that the operator should land as soon as possible. In order to avoid the aircraft can not fly back without power, or fly.

当飞机在飞行时感觉动力比较弱就说明快没电了，建议操作者尽快降落，以免飞机在没电的情况下飞行。

Diagram of the QF008 model airplane with numbered parts:

1. 螺旋桨 (左/右) Propeller (L/R)
2. 水平尾翼 Horizontal tail
3. 机身 Body
4. 机翼 (左/右) Wing (left/right)
5. 垂直尾翼 Vertical tail
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