

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，更简单使用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，以作日后调整和保养。

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，任何超出说明书范围的操作和拆卸可能会导致不可预见的危险，应避免。

This product is only suitable for use over 14 years old. The manufacturer will not be responsible for any accidents caused by improper operations.

本产品仅适用于14岁以上使用。制造商不会对因使用不当造成的任何事故负责。

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。当地专家是首次正确组装、设置和飞行模型的最佳方式。操作需要一定的技能，并且是一个会磨损和损坏的项目。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, failure 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，飞行员对其行为和造成的损害或伤害负责。飞行员对其行为和造成的损害或伤害负责。

FORBIDDEN 禁止
Special disposal design for indoor & outdoor, please keep obstacle-free. 室内、室外专用机，请保持障碍物。

CAUTION 注意
KEEP AWAY FROM HEAT 远离热源

FORBIDDEN 禁止
PREVENT MOISTURE 远离潮湿环境

FORBIDDEN 禁止
BATTERY PRECAUTIONS 电池注意事项

FORBIDDEN 禁止
PROPER OPERATION 勿不当使用本产品

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

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

CAUTION 注意
KEEP AWAY FROM HEAT 远离热源

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.

贴水贴纸步骤：
1. 撕去水贴上的透明保护膜，将带背胶的水贴贴在机身要贴的位置。
2. 用湿毛巾将水贴充分打湿，等待一分钟左右待背胶的粘性从侧边剥离开。
3. 让水贴印膜粘在机身上，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. Align and glue the rear cover of the engine.
10. Adhesion of engine tail to wing adhesion surface.

11. Align the bracket in 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 line, do not let the inside glue out.

16. Connecting the left wing to the right wing.
17. Spread the main wing slot evenly with glue. (Note: Do not let the inside glue out.)

18. Let wing and main body bond.
19. Connect 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 the tail.

6. REMOTE CONTROL 遥控器各部位名称

Do not disassemble 禁止任意拆解

LED Night Lights LED夜灯
Throttle joystick 油门摇杆
Direction joystick 方向摇杆
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
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.
Please use 3AA size batteries (AA), and please insert the battery correctly. (Do not mix different chemistry/spec.)

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. When charging, the indicator lights are always on, and when charging is completed, the indicator lights are off.

9. BATTERY AND CHARGER SPECIFICATION 电池与充电器相关规格

Battery type 电池种类	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. 模型飞机飞行时间约12分钟	Approx 45 Minutes (charging current approx 0.5A) 约45分钟 (充电电流约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 U 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
Please 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-discharge, 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".

FLIGHT ADJUSTMENT AND NOTICE FOR BEGINNERS 初学者飞行调整与注意

Check if the transmitter and receivers are fully charged.

STEP 1 THROTTLE CONTROL 油门控制练习

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

STEP 3 RUDER CONTROL PRACTICING 方向舵操作练习

STEP 4 BIG RUDER OPERATION 大舵操作

Situation 状况	Cause 原因	Solution 对策
1. The indicator light continue to flash after the aircraft is powered on but the operation is not reflected.	Binding failure. 遥控器和接收器对频失败	Please re-binding according to the page 8 of the manual. 请重新按照手册第8页的说明进行遥控器和接收器的对频操作。
2. No response after battery is connected to airplane.	1. Power transmitter and receiver. 2. Check transmitter and receiver voltage. 3. Poor contact on battery terminals. 4. Loose connection between transmitter and receiver. 5. Poor contact between battery and receiver.	1. Turn on transmitter and ensure airplane battery is inserted properly. 2. Use fully charged batteries. 3. Re-seat the battery and ensure good contact between battery terminals. 4. Check the connection between transmitter and receiver. 5. Check the connection between battery and receiver.
3. Motor does not respond to throttle stick, receiver LED flashes.	Airplane battery depleted.	Fully charge the battery, or replace with a fully charged battery.
4. Motor fails to run but servo still working.	Loose motor connection or damaged motor.	Re-seat the motor plug or replace the motor.
5. Abnormal aircraft vibration.	1. Propeller deformation 2. Motor shaft bending 3. Motor shaft bending 4. Motor shaft bending	1. Replace ment of propelle 2. Replace the motor 3. Replace the motor 4. Replace the motor

14. NOMENCLATURE 模型飞机各部位名称

Diagram of the QF008 model airplane with numbered parts:

1. Fuselage (机身)
2. Horizontal tail (水平尾翼)
3. Body (机身)
4. Wing (机翼)
5. Vertical tail (垂直尾翼)
6. Front landing gear (前起落架)
7. Rear landing gear (后起落架)

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，以免飞机无电造成坠机危险。

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Warning: changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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1		螺旋桨 (左/右)	Propeller (L/R)	2	
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