

Suitable for age 14

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



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Thank you for buying QIFENG products. QF008 is the latest technology in RC models. Please 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.

1. INTRODUCTION 前言

Thank you for choosing QIFENG 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.

WARNING LABEL LEGEND 非代表符号

WARNING 警告
Mis-handling due to failure to follow these instructions may result in damage or injury.
因未遵守这些操作说明，可能会导致财产损失或人身伤害。

CAUTION 注意
Mis-handling due to failure to follow these instructions may result in damage or injury.
因未遵守这些操作说明，可能会导致财产损失或人身伤害。

FORBIDDEN 禁止
Do not attempt under any circumstances.
在任何情况下，请勿尝试。

IMPORTANT NOTES 重要提示
QF008 is not a toy product. Operation 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.

2. SAFETY NOTES 安全注意事项

WARNING 警告
Fly only in safe areas, away from other people. Do not operate RC aircraft within the vicinity of crowds or people. RC 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 RC aircraft models.

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

CAUTION 注意
KEEP AWAY FROM HEAT 远离热源
PIC 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, heater, or fire. It is best to store the model indoors, in a climate-controlled, room temperature environment.

FORBIDDEN 禁止
PREVENT MOISTURE 防潮防霉
PIC 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.

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.

FORBIDDEN 禁止
PROPER OPERATION 勿擅自使用本产品
To avoid potential fire hazard from batteries, please do not short, reverse polar, or puncture batteries. Battery charging must be done under supervision at all times, and at location out of reach by children.

FORBIDDEN 禁止
SAFETY NOTE FOR Ni-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, and please take out the batteries.

FORBIDDEN 禁止
SAFETY NOTE ON LI-POLYMER BATTERIES 锂电使用安全
Li-Polymer batteries pose 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.

CAUTION 注意
KEEP AWAY FROM HEAT 远离热源
PIC 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, heater, or fire. It is best to store the model indoors, in a climate-controlled, room temperature environment.

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 the excess water with a towel.

4. STANDARD EQUIPMENT 标准配件

1	机身 x1	1	机身 x1
2	右翼 x1	2	前轮 x2
3	左翼 x1	3	前轮 x2
4	垂直尾翼 x1	4	前轮 x2
5	水平尾翼 x1	5	前轮 x2
6	螺旋桨 x1	6	前轮 x2
7	电机 x1	7	前轮 x2
8	舵机 x1	8	前轮 x2
9	舵机 x1	9	前轮 x2
10	舵机 x1	10	前轮 x2
11	舵机 x1	11	前轮 x2
12	舵机 x1	12	前轮 x2
13	舵机 x1	13	前轮 x2
14	舵机 x1	14	前轮 x2
15	舵机 x1	15	前轮 x2
16	舵机 x1	16	前轮 x2
17	舵机 x1	17	前轮 x2
18	舵机 x1	18	前轮 x2
19	舵机 x1	19	前轮 x2
20	舵机 x1	20	前轮 x2
21	舵机 x1	21	前轮 x2
22	舵机 x1	22	前轮 x2
23	舵机 x1	23	前轮 x2
24	舵机 x1	24	前轮 x2
25	舵机 x1	25	前轮 x2
26	舵机 x1	26	前轮 x2
27	舵机 x1	27	前轮 x2
28	舵机 x1	28	前轮 x2
29	舵机 x1	29	前轮 x2
30	舵机 x1	30	前轮 x2

5. Installation steps 安装步骤

REPLACEMENT PROPELLER: 更换螺旋桨
Press the propeller in the direction of the arrow to exit the paddle, and then replace the new propeller.

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 adhesive surface.
7. Align and glue the rear cover of the engine.
8. Adhesion of Engine Tail to Wing Adhesive Surface.
9. Adhesion of engine tail to wing adhesive 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. Insert the motor into 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, do not let the glue on the front of the motor.
16. Connecting the left wing to the right wing.
17. Spread the main wing slot evenly with glue, do not let the glue on the front of the motor.
18. Let wing and main body bond.
19. Connecting PCB to Server.
20. The motor is connected with the motor part 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. Apply the glue evenly to the groove of the front wheel.
23. The battery plug is connected with the battery tank at the bottom of the aircraft.
24. Insert front wheel into bracket.
25. Insert front wheel into bracket.
26. Connect the tail to the main body. The assembly is completed.

6. REMOTE CONTROL 遥控器各部位名称

FORBIDDEN 禁止
Do not disassemble 禁止任意拆卸
When the remote control is in the state of the small rudder, the indicator light continues to flash quickly, indicating that the remote control battery is out of power. Please replace the battery as soon as possible.

7. TRANSMITTER BATTERY INSTALLATION 遥控器电池安装

FORBIDDEN 禁止
Do not disassemble 禁止任意拆卸
Please use 3AA sized batteries installed based on polarity indicated case. Do not mix batteries of different chemistry/spec.

1. Slide the battery lid to open by following the arrow.
2. Insert the battery into the battery compartment.

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	Battery Specification	Usage Duration	Charge Time
Li-poly battery	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 lower rudder surface should be returned. If not back, you can manually adjust the left rudder trimming button to make the rudder back.

11. FLIGHT AND LANDING 飞行器与降落

CAUTION 注意
Motor should not be run without loading main or tail rotor blades to avoid motor burnout.

TAKE OFF 起飞
Put the plane on a flat surface and accelerate in the wind, when the plane reaches a certain speed, gently pull the direction joystick and the plane will take off.

12. FLIGHT ADJUSTMENT AND SETTING 飞行调整与设置

PLEASE PRACTICE SIMULATION FLIGHT BEFORE ACTUAL FLYING 飞行前请先模拟飞行
Please read the instructions and repeat the exercises before the actual operation.

1. Please operate in an open space, place the aircraft directly in front of the operator.
2. Please operate the throttle sticks 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 called out.

FLIGHT ADJUSTMENT AND NOTICE FOR BEGINNERS 新手飞行调整与注意
Check if the transmitter and receivers are fully charged. Please operate in an open space.

STEP 1 THROTTLE CONTROL 油门控制练习
1. Throttle high/low: Push the throttle stick forward to increase throttle, pull back to decrease throttle.
2. Aileron left/right: Push the aileron stick left to roll left, push right to roll right.
3. Rudder left/right: Push the rudder stick left to yaw left, push right to yaw right.

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

Situation	Cause	Solution
1. The indicator light continues to flash after the aircraft is powered on but the operation is not reflected.	Binding failure. 遥控器接收器绑定失败	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与接收器的对频。
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. Poor contact 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 contacts. 4. Check transmitter and receiver. 5. Re-seat the battery and ensure good contact between battery contacts.
3. Motor does not respond to throttle stick, receiver LED flashes.	1. Airplane battery depleted. 2. Motor connection or damaged motor.	1. Fully charge the battery, or replace with a fully charged battery. 2. Check motor connection or replace the motor.
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 vibration. 4. Motor vibration.	1. Replace motor propeller. 2. Replace motor shaft. 3. Replace motor. 4. Replace motor.

14. NOMENCLATURE 模型飞机各部位名称

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.

WARNING 警告
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.

Mode 模式

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

起飞后，请控制油门使飞机能以恒定速度飞行。请勿突然加速。

Mode 模式

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

起飞后，请控制油门使飞机能以恒定速度飞行。请勿突然加速。