

GoolRC QF008

GoolRC QF008 787 RC Airplane Instruction Manual

Model: QF008

1. INTRODUCTION

This manual provides detailed instructions for the assembly, operation, and maintenance of your GoolRC QF008 787 RC Airplane. The QF008 is a 3-channel remote control aircraft designed with a high degree of authenticity, featuring durable EPP material and a 6-axis gyroscope for stable flight. Please read this manual thoroughly before operating the aircraft to ensure safe and correct usage.



Image 1.1: The GoolRC QF008 787 RC Airplane in flight, showcasing its design.

2. SAFETY INFORMATION

Operating remote control aircraft requires caution. Failure to follow safety guidelines may result in injury or damage to property. Always prioritize safety.

- **Outdoor Use Only:** Operate the aircraft in open, clear areas, away from people, animals, buildings, and power lines.
- **Weather Conditions:** Do not fly in strong winds, rain, or other adverse weather conditions.
- **Adult Supervision:** Children operating the aircraft should always be supervised by an adult.
- **Battery Safety:** Use only the provided charger and battery. Do not overcharge or puncture the battery. Disconnect the battery when not in use.
- **Pre-Flight Check:** Always perform a thorough pre-flight check before each use.
- **Propeller Safety:** Keep hands and face clear of rotating propellers.

3. SETUP

3.1. Unpacking and Contents

Carefully unpack all components and verify that all items are present:

- Aircraft parts
- Remote Controller

- Spare Propeller
- User Manual (this document)
- USB Wire

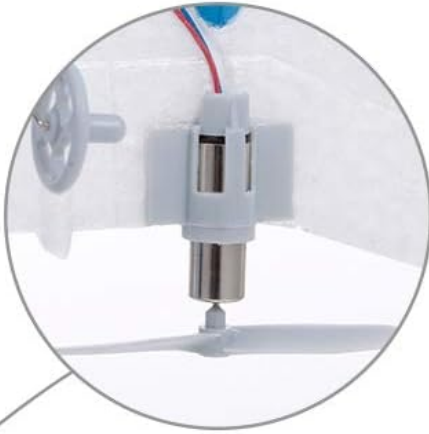


Image 3.1: Package contents of the GoolRC QF008 787 RC Airplane.

3.2. Assembly

The GoolRC QF008 787 RC Airplane requires some assembly. Follow these steps:

1. **Attach Wings:** Securely attach the main wings to the fuselage. Ensure they are firmly in place.
2. **Install Tail Section:** The tail section is designed for easy attachment, often using magnets to prevent damage during impacts. Align and attach the vertical and horizontal stabilizers.
3. **Connect Circuit Board:** Carefully connect the circuit board as indicated in the diagram.
4. **Install Landing Gear:** Attach the landing gear if you plan to perform ground take-offs and landings. For hand launches, the landing gear may be omitted.
5. **Propeller Installation:** Ensure propellers are correctly installed on the motors. Check for any damage.



TWO MOTORS

High efficiency motor-battery combo achieve 12 minutes flying time.



TAIL

The tail can be used to control the pitching, yaw and change the airplane's flight attitude.



Image 3.2: Detail of the aircraft's motors and tail assembly.



Image 3.3: Overview of 3-channel control and EPP material benefits.

3.3. Battery Charging

The aircraft uses a Lithium-Ion Polymer battery. Follow these charging instructions:

1. Connect the provided USB charging cable to a compatible USB power source (e.g., computer USB port, USB wall adapter).
2. Connect the battery to the charging cable.
3. The indicator light on the USB cable will show the charging status. Refer to the charger's specific instructions for light indications (e.g., red for charging, green for fully charged).
4. Do not leave the battery unattended while charging. Disconnect once fully charged.

4. OPERATING INSTRUCTIONS

4.1. Remote Control Functions

Familiarize yourself with the remote control layout and functions:



Image 4.1: Remote Control Layout and Functions.

- **Throttle Control:** Left joystick, controls engine speed for ascent and descent.
- **Left and Right Steering/Ascending and Descending:** Right joystick, controls turning and pitch.
- **Power Switch:** Turns the remote control on/off.
- **Lower Fine Adjustment (Down Trim):** Adjusts pitch down.
- **Up Fine Adjustment (Up Trim):** Adjusts pitch up.
- **Light Control:** Activates/deactivates aircraft lights.
- **Rudder Control:** Adjusts rudder trim for straight flight.

4.2. Pre-Flight Checks

Before each flight, perform the following checks:

- Ensure the aircraft battery is fully charged and securely connected.
- Check that the remote control batteries are installed and have sufficient power.
- Verify all control surfaces (tail) move freely and correctly in response to remote control inputs.

- Inspect the propellers for any damage or obstructions.
- Confirm the flight area is clear of obstacles and people.

4.3. Take-off

The QF008 can be launched by hand or from the ground (if landing gear is installed).

- **Hand Launch:** Hold the aircraft firmly, apply full throttle, and gently toss it forward into the wind. Immediately use the right joystick to gain altitude.
- **Ground Take-off:** Place the aircraft on a smooth, flat surface. Apply full throttle and use the right joystick to steer and lift off once sufficient speed is gained.

4.4. Flight Controls

The 3-channel control system and 6-axis gyroscope provide stable and responsive flight.

- **Ascend/Descend:** Increase/decrease throttle using the left joystick.
- **Turn Left/Right:** Move the right joystick left or right.
- **Pitch Control:** Move the right joystick up or down to control the aircraft's nose angle.
- **Gyroscope:** The integrated 6-axis gyro automatically stabilizes the aircraft, making it easier for beginners to control.



Image 4.2: The GoolRC QF008 787 RC Airplane demonstrating stable flight.

4.5. Landing

To land the aircraft safely:

1. Approach the landing area at a low altitude and reduced throttle.
2. Gradually decrease throttle and gently pull back on the right joystick to flare the aircraft for a soft landing.
3. Aim for a smooth surface. Landing on grass may cause parts to detach.

5. PRODUCT VIDEO

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Video 5.1: Official product video showcasing the GoolRC QF008 787 RC Airplane in flight.

6. MAINTENANCE

- **EPP Foam Care:** The EPP foam material is durable but can be damaged. In case of minor damage, use foam-safe adhesive for repairs.
- **Propeller Inspection:** Regularly check propellers for cracks or bends. Replace damaged propellers with the provided spare or genuine replacements.
- **Motor Care:** Keep motors free from dirt and debris. Avoid prolonged operation in dusty environments.
- **Battery Storage:** Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures. Do not store fully charged or fully discharged for extended periods.
- **Cleaning:** Wipe the aircraft with a soft, dry cloth. Do not use solvents or harsh chemicals.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Aircraft does not respond to remote control.	Low battery in aircraft or remote control; not properly paired.	Charge aircraft battery; replace remote control batteries; re-pair aircraft and remote control.
Aircraft flies erratically or is difficult to control.	Improper trim settings; damaged propeller; strong wind conditions.	Adjust trim controls; inspect and replace propeller; fly in calm conditions.
Short flight time.	Battery not fully charged; aging battery.	Ensure battery is fully charged; consider replacing the battery if performance degrades significantly.
Motor(s) not spinning.	Motor obstruction; wiring issue; motor malfunction.	Check for debris around motors; inspect wiring connections; contact support if motor is faulty.

8. SPECIFICATIONS

Feature	Detail
Brand	GoolRC
Model Name	QF008
Material Type	Foam (EPP)
Channels	3-Channel
Gyroscope	6-Axis Gyro
Power Source	Battery Powered
Battery Type	Lithium-Ion Polymer (1 included)
Item Weight	62 Grams
Dimensions (L x W x H)	550mm x 445mm x 145mm (approx. 21.65in x 17.52in x 5.71in)
Assembly Required	Yes
Indoor/Outdoor Usage	Outdoor



Image 8.1: Dimensions of the GoolRC QF008 787 RC Airplane.

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your purchase documentation or visit the official GoolRC website. Keep your proof of purchase for any warranty claims.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question