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> GQGQQQ A61 Airwolf Remote Controlled Helicopter Instruction Manual

## GQGQQQ A61

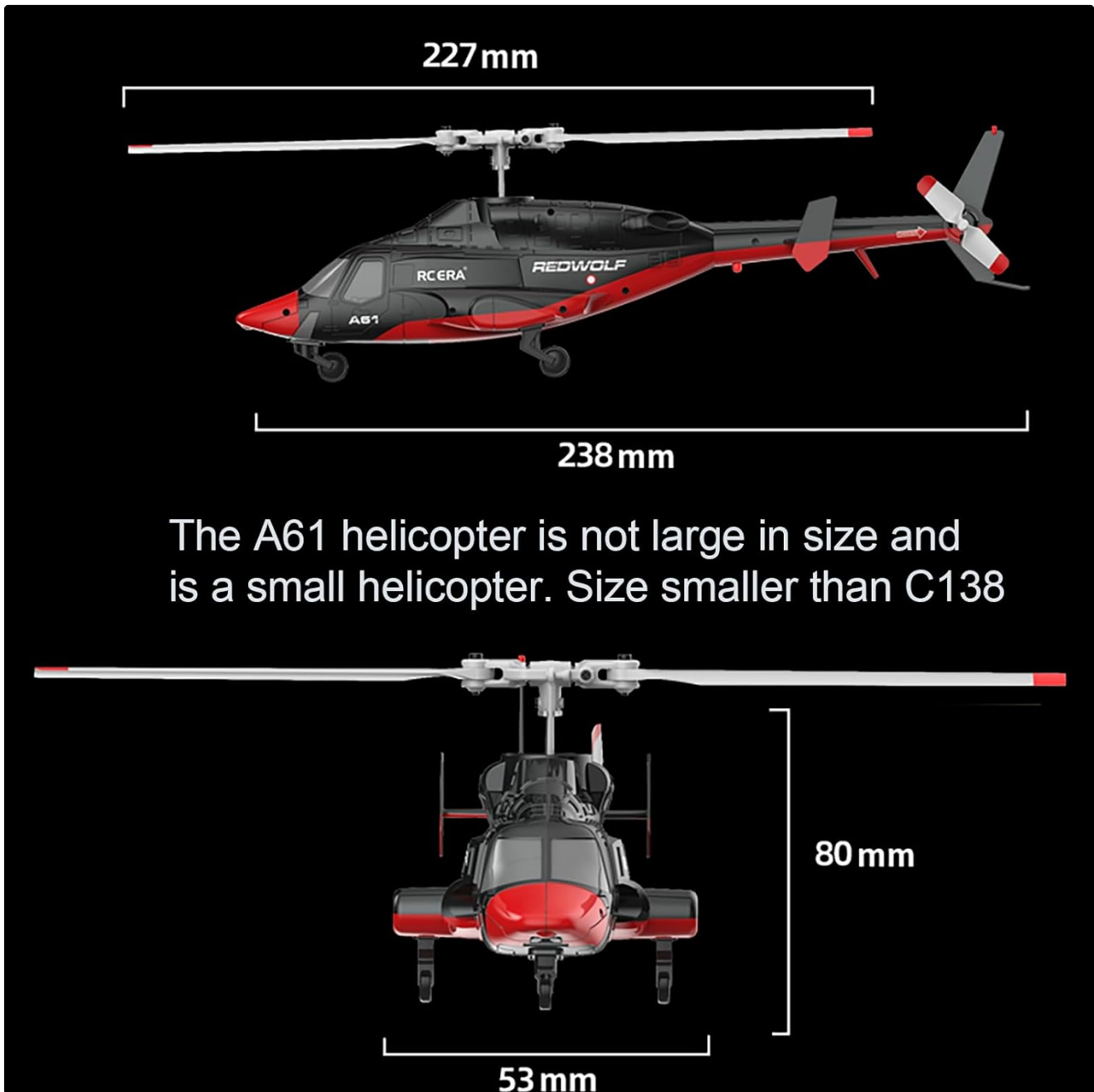
# GQGQQQ A61 Airwolf Remote Controlled Helicopter Instruction Manual

Model: A61

## 1. INTRODUCTION AND OVERVIEW

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The GQGQQQ A61 Airwolf is a 4-channel remote-controlled helicopter designed for both beginners and experienced pilots. It features an aileronless design, a 6-axis gyroscope for stable flight, altitude hovering, and optical flow positioning. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your A61 Airwolf helicopter.



The A61 Airwolf remote-controlled helicopter is shown alongside its dedicated 2.4GHz remote control unit, ready for operation.

## 2. SAFETY INFORMATION

**Important:** This product is not suitable for individuals under 14 years of age. Adult supervision is recommended for all users, especially beginners.

- Always operate the helicopter in open areas, away from people, animals, and obstacles.
- Do not fly near power lines, trees, or water bodies.
- Ensure the battery is fully charged before each flight.
- Avoid flying in strong winds or adverse weather conditions.
- Keep fingers and loose clothing away from rotating blades.
- Do not attempt to modify the helicopter or its components.
- Store the helicopter and remote control in a cool, dry place when not in use.

## 3. PACKAGE CONTENTS

Verify that all items are present in the package:

- A61 Airwolf RC Helicopter
- Remote Control Transmitter
- Lithium-Ion Batteries (2 included)
- USB Charging Cable
- Spare Main Rotor Blades
- Screwdriver
- Hex Wrench
- User Manual



The accessory list includes essential items for maintenance and operation: spare main rotor blades, a screwdriver, a hex wrench, a USB charging cable, and the user manual.

## 4. PRODUCT FEATURES

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- **Aileronless Design:** Provides improved stability and simplified control.
- **6-Axis Gyroscope:** Ensures stable flight performance, suitable for various skill levels.
- **Altitude Hold:** Maintains a consistent altitude for easier hovering.
- **Optical Flow Positioning:** Enhances stability and precise positioning, especially indoors or in calm conditions.
- **4-Channel Control:** Allows for ascending, descending, forward, backward, left flying, right flying, left rotation, and right rotation.
- **One-Key Take-off/Landing:** Simplifies initial flight and landing procedures.
- **Three-Speed Adjustment:** Offers low, medium, and high-speed settings to match pilot proficiency.
- **Stunt Actions:** Capable of performing circling flight (pot scrubbing) and route flight.
- **Modular Battery:** Easy to install and replace, with overcharge protection.
- **Intelligent Anti-Jamming Protection:** Automatically stops propellers if blocked to prevent damage.



This graphic highlights the main features of the A61 Airwolf, including pressure constant height, one-key reverse flight, brush motor, one-key take-off and landing, multi-directional flight, optical flow positioning, and three-speed adjustment.

## 5. SPECIFICATIONS

<b>Brand Name</b>	GQQQQQ
<b>Model Name</b>	A61
<b>Rotor Diameter</b>	227mm
<b>Length</b>	238mm
<b>Height</b>	80mm
<b>Width</b>	53mm
<b>Weight</b>	0.58 Kilograms
<b>Material Type</b>	Polycarbonate (PC)
<b>Power Source</b>	Electric
<b>Operation Mode</b>	Remote Control
<b>Battery Type</b>	Lithium-Ion (included)
<b>Manufacturer Minimum Age</b>	14 years (168 months)



This diagram illustrates the compact size of the A61 Airwolf helicopter, with a rotor diameter of 227mm, a total length of 238mm, a height of 80mm, and a body width of 53mm.

## 6. SETUP

### 6.1 Charging the Battery

1. Connect the USB charging cable to the helicopter's battery port.
2. Plug the other end of the USB cable into a standard USB power adapter (not included) or a computer USB port.
3. The charging indicator light will illuminate during charging and turn off when fully charged.
4. Charging typically takes approximately 60-90 minutes. Do not overcharge.



The modular battery features overcharge protection, ensuring safe and extended usage. Its design allows for easy installation and replacement.

### 6.2 Installing Remote Control Batteries

Insert 4x AA batteries (not included) into the remote control, ensuring correct polarity.

## 6.3 Pairing the Helicopter and Remote Control

1. Place the helicopter on a flat, level surface.
2. Turn on the helicopter's power switch. The indicator light will flash.
3. Turn on the remote control.
4. Push the left joystick (throttle) all the way up, then all the way down. The remote control will beep, and the helicopter's indicator light will become solid, indicating successful pairing.

## 6.4 Pre-Flight Check

- Ensure both helicopter and remote control batteries are fully charged.
- Check that all blades are securely attached and free from damage.
- Verify that the helicopter and remote control are properly paired.
- Choose a safe, open flying area.

# 7. OPERATING INSTRUCTIONS

## 7.1 Basic Controls



A detailed view of the 2.4GHz remote control, featuring dual joysticks for precise flight control and buttons for functions like one-key take-off/landing and speed adjustment.

- **Left Joystick (Throttle):** Push up to ascend, pull down to descend. Move left/right to rotate the helicopter left/right.
- **Right Joystick (Direction):** Push up to fly forward, pull down to fly backward. Move left to fly left, move right to fly right.

## 7.2 One-Key Take-off and Landing

After pairing, press the one-key take-off button on the remote control. The helicopter will automatically lift off and hover at a stable altitude. Press the one-key landing button to initiate an automatic descent and landing.

## 7.3 Altitude Hold and Optical Flow Positioning

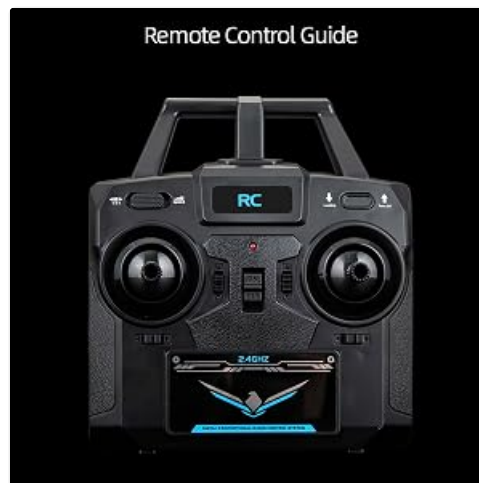
The A61 Airwolf automatically maintains its altitude once airborne, thanks to its built-in barometer. Optical flow positioning further enhances stability, especially when flying at lower altitudes, by using a downward-facing camera to detect ground patterns and maintain position.



The helicopter utilizes optical flow positioning and air pressure hold technology for stable hovering, making it easier to control.

### 7.4 Three-Speed Adjustment

The remote control features a button to cycle through three speed modes: low, medium, and high. Select a speed appropriate for your skill level and flying environment.



This image demonstrates the three-speed adjustment capability, allowing pilots to select low, medium, or high speed settings based on their skill level and desired flight experience.

### 7.5 Stunt Actions

The A61 Airwolf can perform specific stunt actions. Refer to the remote control diagram for specific button presses or joystick combinations to activate these features, such as circling flight (pot scrubbing) or pre-programmed route flights.



The A61 Airwolf is capable of performing stunt actions such as circling flight (pot scrubbing) and programmable route flights, enhancing the

## 8. MAINTENANCE

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- **Cleaning:** Use a soft, dry cloth to clean the helicopter after each use. Avoid water or harsh chemicals.
- **Blade Inspection:** Regularly check the main and tail rotor blades for any cracks, bends, or damage. Replace damaged blades immediately using the provided spare parts and tools.
- **Battery Care:** Always disconnect the battery from the helicopter when not in use. Store batteries in a cool, dry place. Do not expose batteries to extreme temperatures.
- **Storage:** Store the helicopter and remote control in their original packaging or a protective case to prevent damage.

## 9. TROUBLESHOOTING

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Problem	Possible Cause	Solution
Helicopter does not respond to remote control.	Not paired, low battery (helicopter or remote), out of range.	Re-pair the helicopter and remote. Charge batteries. Ensure within operating range.
Helicopter cannot take off or flies unstably.	Low battery, damaged blades, uneven take-off surface, strong wind.	Charge helicopter battery. Inspect and replace damaged blades. Take off from a flat surface. Fly in calm conditions.
Propellers stop unexpectedly.	Propeller jammed or blocked (anti-jamming protection activated).	Clear any obstructions from the propellers. Ensure safe operation.
Short flight time.	Battery not fully charged, aging battery.	Ensure battery is fully charged. Consider replacing the battery if it's old.

## 10. WARRANTY AND SUPPORT

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For warranty information and customer support, please refer to the documentation provided at the time of purchase or contact the seller directly. Keep your proof of purchase for any warranty claims.