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GoolRC C129

GoolRC C129 RC Helicopter Instruction Manual

4 Channel 2.4Ghz with 6-Axis Gyro and Altitude Hold

1. INTRODUCTION

Thank you for purchasing the GoolRC C129 RC Helicopter. This manual provides essential information for the safe operation, setup, and maintenance of your new remote control helicopter. Please read this manual thoroughly before operating the aircraft to ensure proper function and to prevent damage or injury. This helicopter is designed for users aged 16 years and up.

2. SAFETY INFORMATION

Operating an RC helicopter requires caution and responsibility. Failure to operate this product in a safe and responsible manner could result in injury or damage to the product or other property.

- **Always operate in open spaces:** Ensure there are no obstacles, people, or animals in the flight path.
- **Keep away from face and eyes:** The rotating blades can cause serious injury.
- **Avoid water and moisture:** Do not operate in rain or damp conditions.
- **Battery safety:** Use only approved batteries and chargers. Do not overcharge or short-circuit batteries.
- **Adult supervision:** Recommended for users under 16 years of age.
- **Pre-flight check:** Always inspect the helicopter for any damage before each flight.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1 x GoolRC C129 RC Helicopter
- 1 x Remote Controller
- 3 x Helicopter Batteries (Nonstandard Battery)
- 1 x USB Charging Cable
- 2 x Spare Main Blades
- 1 x Spare Tail Blade
- 1 x Screwdriver

- 2 x Linkage Rods
- 1 x Hex Wrench
- 1 x User Manual



1 * RC HELICOPTER



Image 3.1: Contents of the GoolRC C129 RC Helicopter package, showing the helicopter, remote controller, three batteries, screwdriver, linkage rods, USB cable, spare blades, and user manual.

4. COMPONENTS OVERVIEW

4.1 Helicopter Features

- **Aileronless Design:** Offers more flexible operation and stable flight, reducing skew and manual correction. Reduced weight and drag contribute to more powerful performance.
- **6-Axis Gyroscope:** Ensures great flight stability, making it suitable for beginners.
- **Air Pressure Altitude Hold:** Intelligently locks flight altitude for stable hovering and easier control.
- **Durable Propeller:** Lightweight, high strength, and resistant to impact.
- **Powerful Motor:** Large torque main motor with stable power output and long service life.
- **Tail Bar:** High-strength tail bar designed for durability.
- **Unique Tail Design:** Enhances tail rotation power for improved flight.



Image 4.1: The GoolRC C129 RC Helicopter, showcasing its streamlined body and main rotor blades.

AILERONLESS HELICOPTER

This helicopter without ailerons is more flexible in operation and more stable in flight. The flight attitude is not easy to be skewed and does not require excessive manual correction.

Because of the reduced weight and less drag, the aileronless helicopter is more powerful.



Image 4.2: Detail of the aileronless helicopter design, highlighting its simplified rotor head for enhanced stability and control.

AIR PRESSURE ALTITUDE HOLD

The intelligent altitude hold function can accurately lock the flight altitude to make the aircraft in a stable hover, making it easier to control.



Image 4.3: The helicopter demonstrating its air pressure altitude hold function, maintaining a stable hover.

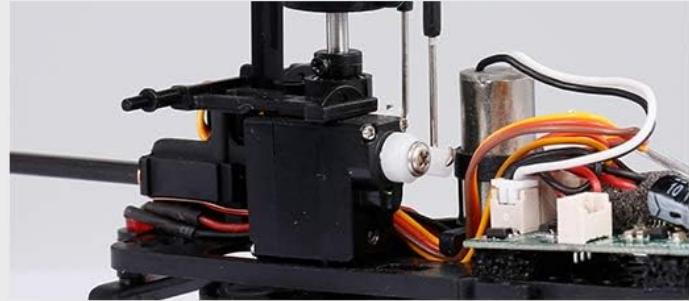


Durable Propeller

Lightweight and high strength,
very resistant to impact

Powerful Motor

Large torque main motor with stable
power output and long serve life



Tail Bar

High-strength tail bar is not
easy to break

Unique Tail Design

Make the tail rotation more powerful
and the flight more cool.



Image 4.4: Close-up views of key helicopter components, including the durable main propeller, powerful internal motor, high-strength tail bar, and the unique tail rotor design.

4.2 Remote Controller Overview

The remote controller operates on a 2.4Ghz frequency, providing a control distance of up to 100 meters and anti-interference capabilities for multiple aircraft to fly simultaneously.

TRANSMITTER INTRODUCTION



Image 4.5: Diagram illustrating the remote controller's layout, including the power indicator, power switch, throttle joystick, directional joystick, speed switch, fine-tuning buttons, and one-key take off/landing/emergency stop button.

- **Power Indicator:** Shows the controller's power status.
- **Power Switch:** Turns the controller on/off.
- **Throttle Joystick:** Controls altitude (up/down) and rotation (left/right).
- **Directional Joystick:** Controls forward/backward and left/right side-fly.
- **Speed Switch:** Toggles between different flight speeds.
- **Fine-tuning Buttons:** Adjust trim for stable flight.
- **One-key Take off/Landing/Emergency Stop:** Long press for 3 seconds for emergency stop. Short press for one-key take off or landing.

5. SETUP

5.1 Charging the Helicopter Battery

1. Connect the USB charging cable to a USB power source (e.g., computer, USB adapter).
2. Connect the helicopter battery to the charging cable.
3. The indicator light on the USB cable will show charging status. Refer to the USB cable's specific instructions for light indications (usually red for charging, off/green for fully charged).
4. Charging typically takes approximately 60-90 minutes. Do not leave batteries unattended while charging.

5.2 Installing Helicopter Battery

The GoolRC C129 uses a modular battery design for easy installation and removal. Ensure the helicopter is powered off before installing or removing the battery.

1. Gently slide the charged battery into the battery compartment located on the underside of the helicopter.
2. Ensure the battery is securely seated and the connector is firmly attached.
3. To remove, gently wiggle the battery back and forth while pulling it out. Avoid excessive force to prevent damage to the helicopter or battery.

5.3 Installing Remote Controller Batteries

The remote controller requires 4 AA batteries (not included).

1. Open the battery compartment on the back of the remote controller.
2. Insert 4 AA batteries, ensuring correct polarity (+/-).
3. Close the battery compartment cover securely.

6. OPERATING INSTRUCTIONS

6.1 Pairing the Helicopter and Remote Controller

1. Place the helicopter on a flat, level surface.
2. Turn on the helicopter by connecting its battery. The helicopter's indicator light will flash.
3. Turn on the remote controller. The controller's indicator light will flash.
4. Push the throttle joystick (left stick) all the way up, then all the way down. The indicator lights on both the helicopter and controller will become solid, indicating successful pairing.

6.2 Basic Flight Controls

- **Takeoff:** Press the one-key takeoff button or slowly push the throttle joystick up.
- **Landing:** Press the one-key landing button or slowly pull the throttle joystick down.
- **Altitude:** Push the throttle joystick up to ascend, pull down to descend.
- **Forward/Backward:** Push the directional joystick up to fly forward, pull down to fly backward.
- **Left/Right Side-fly:** Push the directional joystick left to fly left, push right to fly right.
- **Rotation:** Push the throttle joystick left to rotate counter-clockwise, push right to rotate clockwise.

6.3 Special Functions

- **Altitude Hold:** The helicopter will automatically maintain its current altitude once the throttle joystick is released to the middle position.
- **Speed Switch:** Use the speed switch button on the remote to toggle between different flight speeds (e.g., low, medium, high) for varying control responsiveness.
- **Emergency Stop:** Long press the one-key takeoff/landing button for 3 seconds to perform an emergency stop. Use only in critical situations.

C129 RC HELICOPTER



**2.4
GHz**

2.4G Control



6-axis Gyro



4 Channels

Image 6.1: The GoolRC C129 RC Helicopter in flight, demonstrating its remote control capabilities.

2.4G REMOTE CONTROL

The remote control distance is up to 100 meters, and the anti-interference 2.4 frequency allows several aircraft can fly simultaneously in the same space.



Image 6.2: A user operating the GoolRC C129 helicopter with the 2.4G remote control, highlighting the 100-meter control distance.

Your browser does not support the video tag.

Video 6.1: An official GoolRC video demonstrating the C129 RC Helicopter's flight capabilities and features for adults and kids.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the helicopter. Avoid water or solvents.
- **Blade Inspection:** Regularly check main and tail blades for cracks or damage. Replace damaged blades immediately using the provided spare parts and tools.
- **Storage:** Store the helicopter and remote control in a cool, dry place away from direct sunlight. Remove batteries from the remote controller during long periods of non-use.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Helicopter does not respond to remote.	Not paired; low battery (helicopter/remote).	Re-pair the helicopter and remote; charge/replace batteries.
Helicopter flies erratically or drifts.	Uncalibrated; damaged blades; strong wind.	Perform calibration (refer to remote diagram); replace damaged blades; fly in calm conditions.
Helicopter cannot take off.	Low battery; main blades not spinning correctly.	Charge helicopter battery; check for obstructions or damage to main blades.
Short flight time.	Battery not fully charged; aging battery.	Ensure battery is fully charged; consider replacing old batteries.

9. SPECIFICATIONS

- Model:** C129
- Brand:** GoolRC
- Control Channels:** 4 Channel
- Frequency:** 2.4Ghz
- Gyroscope:** 6-Axis Gyro
- Flight Features:** Aileronless, Altitude Hold, One-Key Takeoff/Landing
- Remote Control Distance:** Up to 100 meters
- Batteries:** 3 Nonstandard Battery (included)
- Manufacturer Recommended Age:** 16 years and up
- Item Weight:** 1.43 pounds
- Package Dimensions:** 12.17 x 9.45 x 3.39 inches

10. WARRANTY & SUPPORT

For warranty information or technical support, please refer to the contact details provided in your product packaging or visit the official GoolRC website. Keep your purchase receipt as proof of purchase for any warranty claims.

GoolRC Store: [Visit the GoolRC Store on Amazon](#)

	<p>FIREFOX 6-Axis Gyro 4 Channel RC Helicopter Instruction Manual</p> <p>Comprehensive instruction manual for the FIREFOX 6-AXIS GYRO 4 CHANNEL SERIES RC Helicopter, covering setup, operation, safety precautions, battery usage, parts replacement, and troubleshooting.</p>
	<p>Reely C129 V2 RC Helicopter RtF: Operating Instructions</p> <p>Comprehensive operating instructions for the Reely C129 V2 RC Helicopter RtF, covering setup, flight, maintenance, and safety.</p>
	<p>RC ERA C129 V2 User Manual and Operation Guide</p> <p>Comprehensive user manual for the RC ERA C129 V2 remote control helicopter, covering safety precautions, operation instructions, battery charging, troubleshooting, and parts replacement.</p>
	<p>NORDRIVE C129 Fit Kit Installation Guide for Volkswagen Golf VII & VIII</p> <p>Detailed installation instructions for the NORDRIVE C129 Fit Kit, designed for Volkswagen Golf VII and Golf VIII models. Includes part lists, compatibility, and step-by-step assembly guidance.</p>
	<p>Mid-Continent MD41-() Series GPS Annunciation Control Unit Installation and Operating Manual</p> <p>This manual provides installation and operating instructions for the Mid-Continent MD41-() Series GPS Annunciation Control Unit. It details specifications, installation procedures, and operational guidance for units compatible with II Morrow Apollo 2001TSO/2001GPS/2101/GX50/GX60 and Garmin GNS 480/AT CNX80 systems, as well as AlliedSignal KI 208A/209A indicators.</p>
	<p>Sealtech Handbook 2022: Comprehensive Sealing Solutions</p> <p>Explore the Sealtech Handbook 2022, a detailed catalog of high-quality sealing products, including O-rings, piston seals, rod seals, and more, with specifications for various industrial and aviation applications.</p>