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GoolRC C127

GoolRC C127 RC Helicopter User Manual

Model: C127 | Brand: GoolRC

1. INTRODUCTION

The GoolRC C127 RC Helicopter is an advanced remote-controlled aircraft designed for both beginners and experienced pilots. It features an aileronless design for stable flight, a 720P camera for aerial photography, and optical flow positioning for enhanced stability. Its 6-axis gyroscope ensures precise control, making it easy to operate with functions like one-key take-off and landing.



Image: The GoolRC C127 RC Helicopter, showcasing its sleek design and integrated camera.



Image: The C127 RC Helicopter in stable flight, demonstrating its aerodynamic design.

2. WHAT'S IN THE BOX

Please check the package contents to ensure all items are present and in good condition:

- 1x RC Helicopter
- 1x Remote Controller
- 1x Helicopter Battery (3.7V 580mAh)
- 1x USB Cable
- 2x Spare Propellers
- 1x Wrench
- 1x Screwdriver

- 1x Tail Propeller
- 1x User Manual
- 1x APP Instruction

720P High-definition camera



Image: All components included in the GoolRC C127 RC Helicopter package.

3. SETUP

3.1. Charging the Helicopter Battery

1. Connect the helicopter battery to the provided USB charging cable.
2. Plug the USB cable into a compatible USB power source (e.g., computer USB port, USB wall adapter).
3. The charging indicator light will show the charging status. Charging time is approximately 60 minutes.

4. Once fully charged, disconnect the battery.

3.2. Installing Helicopter Battery

Insert the charged 3.7V 580mAh battery into the designated battery compartment on the helicopter. Ensure it is securely connected and the compartment cover is closed.

3.3. Installing Remote Controller Batteries

The remote controller requires 4x AA batteries (not included). Open the battery compartment on the back of the remote controller and insert the batteries, observing the correct polarity (+/-). Close the compartment securely.

3.4. Propeller Installation (if required)

If propellers are not pre-installed or need replacement, use the provided wrench and screwdriver to attach them. Ensure the correct propellers are placed on the corresponding motor shafts as indicated in the APP Instruction manual.

4. OPERATING INSTRUCTIONS

4.1. Remote Controller Overview

Familiarize yourself with the remote controller's layout and functions:



Image: Diagram of the GoolRC C127 remote controller, showing button functions for speed, movement, fine-tuning, and one-key operations.

- **Left Stick:** Controls Up/Down (Throttle) and Left/Right Rotation.
- **Right Stick:** Controls Forward/Backward and Left/Right Side Fly.
- **One-Key Take-Off/Landing Button:** Initiates automatic take-off or landing.
- **Speed Button:** Adjusts flight speed (Low, Medium, High).
- **Fine-Tuning Buttons:** For precise adjustments during flight.
- **Power Switch:** Turns the remote controller on/off.

4.2. One-Key Take-Off and Landing

The C127 features a convenient one-key take-off and landing function. After pairing the helicopter with the remote controller, simply press the dedicated button to initiate an automatic ascent or descent. This simplifies operation, especially for new users.

Simple and easy to control One-key take-off and landing



Image: Visual representation of the one-key take-off and landing function, showing the helicopter ascending and descending.

4.3. Optical Flow Positioning

The optical flow positioning system helps the helicopter maintain a stable hover, especially indoors or in areas with clear ground patterns. This technology enhances flight stability and allows for clearer aerial imaging.

Optical flow localization

the aerial picture is clearer



Image: Close-up of the helicopter's optical flow localization sensor, which aids in stable flight and clearer aerial pictures.

4.4. 6-Axis Gyro Stabilization

Equipped with a 6-axis gyroscope, the C127 offers superior flight stability, making it highly suitable for beginners. The gyroscope constantly adjusts the helicopter's orientation to counteract external forces, ensuring a smooth and controlled flight experience.

4.5. Speed Regulation

The helicopter's flying speed can be adjusted to suit different skill levels and environments. Use the speed button on the remote controller to switch between low, medium, and high-speed modes.

Speed regulation

The flying speed of the helicopter can be adjusted freely



Image: Diagram illustrating the three adjustable speed modes (low, medium, high) for the helicopter.

4.6. Night Flight

The C127 is equipped with realistic nose position lights, enhancing visibility and making it safer to fly in low-light conditions or at night.

Night Flight

Realistic nose position light
The aircraft is equipped with nose position lights,
making it safer to fly in low light



Image: Close-up of the helicopter's nose, showing the illuminated position lights for improved visibility during night flights.

4.7. Official Product Video



Video: An official demonstration of the GoolRC C127 RC Helicopter in action, showcasing its flight capabilities and features.

5. MAINTENANCE

- **Cleaning:** Gently wipe the helicopter and remote controller with a soft, dry cloth. Avoid using water or chemical cleaners.
- **Propeller Inspection:** Regularly check propellers for damage (cracks, bends). Replace any damaged propellers immediately using the spare parts provided.
- **Battery Care:** Store batteries in a cool, dry place. Do not overcharge or over-discharge. If not used for a long

period, charge them periodically to maintain battery health.

- **Storage:** When not in use, store the helicopter and remote controller in a safe place, away from direct sunlight and extreme temperatures.

6. TROUBLESHOOTING

If you encounter issues with your GoolRC C127 RC Helicopter, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Helicopter does not respond to remote controller.	Low battery in helicopter or remote controller; not paired correctly.	Charge helicopter battery; replace remote controller batteries; re-pair the helicopter and remote controller according to APP instructions.
Helicopter flies erratically or is unstable.	Damaged propellers; gyroscope calibration needed; strong wind interference.	Check and replace damaged propellers; perform gyroscope calibration (refer to APP instructions); fly in calm conditions.
Short flight time.	Battery not fully charged; aging battery.	Ensure battery is fully charged before each flight; consider replacing the battery if it's old.
Camera not recording or poor image quality.	SD card issues (if applicable); insufficient lighting; camera lens obstructed.	Check SD card insertion and format; ensure adequate lighting; clean camera lens.

7. SPECIFICATIONS

Feature	Detail
Material	PA, PC
Motor Type	Brushed Motor
Frequency	2.4Ghz
Charging Time	About 60 minutes
Flying Time	About 15 minutes
Camera Pixel	720P
Remote Control Distance	100-120 meters
Image Transmission Distance	100-120 meters
Helicopter Battery	3.7V 580mAh

Feature	Detail
Remote Controller Battery	4* AA battery (not Included)
Drone Weight	73g
Rotation Diameter	23.8cm
Body Length	23cm
Package Dimensions	12.05 x 9.37 x 3.62 inches
Item Weight	1.52 pounds
Manufacturer Recommended Age	14 years and up

8. WARRANTY

GoolRC provides a warranty for this product. If there are any problems or concerns with your GoolRC C127 RC Helicopter, please contact the store where you purchased the product in a timely manner. The manufacturer is committed to providing a satisfactory solution to any issues you may encounter.

9. SUPPORT

For further assistance, technical support, or inquiries regarding your GoolRC C127 RC Helicopter, please refer to the contact information provided with your purchase or visit the official GoolRC brand store online. You can also refer to the included APP Instruction manual for detailed guidance on app-related features and advanced controls.

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

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