

GoolRC GoolRC RC Drone with Camera 4K Dual Camera

GoolRC RC Drone 4K HD Dual Camera Quadcopter User Manual



1. INTRODUCTION

Thank you for purchasing the GoolRC RC Drone 4K HD Dual Camera Quadcopter. This manual provides essential information for the safe operation, setup, and maintenance of your drone. Please read it thoroughly before use and retain it for future reference.

1.1 Safety Guidelines

- Always operate the drone in open areas, away from people, animals, and obstacles.
- Do not fly near airports, restricted airspace, or power lines.
- Ensure the drone's battery and remote control batteries are fully charged before each flight.
- Avoid flying in strong winds or adverse weather conditions.
- Keep fingers and hair away from rotating propellers.
- Adult supervision is recommended for users under 14 years of age.
- Do not modify the drone or its components.

2. PACKAGE CONTENTS

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

- 1 x RC Drone
- 1 x Remote Controller
- 1 x Flight Battery (additional batteries may be included depending on package)
- 1 x USB Cable
- 4 x Spare Propellers
- 4 x Protective Rings
- 1 x Screwdriver



Image: Contents of the GoolRC RC Drone package, showing the drone, remote control, flight batteries, USB charging cable, spare propellers, protective rings, and a screwdriver.

3. PRODUCT OVERVIEW

The GoolRC RC Drone is a compact and versatile quadcopter featuring a 4K HD dual camera system, designed for ease of use and stable flight. It incorporates intelligent features such as gesture control, trajectory flight, and one-key functions.

3.1 Drone Dimensions



Image: Visual representation of the drone's dimensions, showing its compact folded size (8x12.5x5.5cm) and expanded unfolded size (25x20x5.5cm).

3.2 Camera System

The drone is equipped with a 4K HD dual camera system, allowing for high-resolution photo and video capture from various perspectives.

Dual HD lens Free switching is not restricted

Equipped with high-definition dual cameras,
you can switch freely, A view of infinite beauty.



Image: Close-up view highlighting the drone's dual HD lens system, indicating the ability to switch between cameras for different views.



Image: Detailed view of the drone's 4K HD electric tuning lens, emphasizing its capability for high-quality image capture.

4. SETUP

4.1 Charging the Flight Battery

1. Connect the flight battery to the provided USB charging cable.
2. Plug the USB cable into a 5V/1A USB power adapter (not included).
3. The charging indicator will show the charging status. Charging time is approximately 80-100 minutes.
4. Disconnect the battery once fully charged.

4.2 Installing Remote Control Batteries

1. Open the battery compartment on the back of the remote control.
2. Insert 3 AA batteries (not included) according to the polarity markings.

3. Close the battery compartment securely.

4.3 Attaching Propellers and Protective Rings

1. Unfold the drone arms.
2. Carefully attach the protective rings to the drone's motor arms.
3. Ensure propellers are securely fastened. Refer to the drone's markings for correct propeller orientation (A and B propellers).

4.4 App Installation and Connection

1. Scan the QR code in the quick start guide or search for the designated app on your mobile device's app store (compatible with Android 5.0+ and iOS 9.0+).
2. Install the app.
3. Turn on the drone and the remote control.
4. Connect your mobile device to the drone's Wi-Fi network (usually named 'WIFI_XXXXXX').
5. Open the app to establish a connection and view the live feed.

5. OPERATING INSTRUCTIONS

This section details the various flight modes and functions of your GoolRC RC Drone.

Your browser does not support the video tag.

Video: Demonstration of GoolRC RC Drone features including folding design, one-key takeoff, optical flow localization, intelligent omnidirectional obstacle avoidance, speed gear, 360-degree flip, headless mode, trajectory flight, electric camera adjustment, gesture photo, gesture video, and one-key landing.

5.1 Basic Flight Controls

Use the remote control joysticks to maneuver the drone:

- **Left Joystick:** Controls altitude (up/down) and rotation (left/right).
- **Right Joystick:** Controls forward/backward and sideward flight (left/right).

5.2 One-Key Takeoff and Landing

Press the one-key takeoff/landing button on the remote control or in the app. The drone will automatically ascend to a stable height or descend and land gently.



Image: Illustration of the one-key functions for takeoff, landing, and return, simplifying drone operation.

5.3 Headless Mode

In headless mode, the drone's orientation is relative to the pilot, making it easier to control without needing to know the drone's front direction.

5.4 Gesture Control

Perform specific hand gestures in front of the drone's camera to trigger photo or video recording functions.

5.5 Trajectory Flight

Draw a flight path on the app interface, and the drone will automatically follow the designated trajectory.

5.6 360-Degree Roll

Execute impressive aerial stunts with the 360-degree roll function. Refer to the remote control diagram for the specific button.

5.7 Intelligent Omnidirectional Obstacle Avoidance

The drone is equipped with sensors to detect and avoid obstacles, enhancing flight safety.

5.8 Speed Gear

Adjust the drone's flight speed to suit your skill level or flying environment (e.g., low, medium, high speed).

6. CAMERA FUNCTIONS

The GoolRC RC Drone features a 4K HD dual camera for capturing high-quality aerial footage.

6.1 Taking Photos

To take a photo, press the designated photo button on the remote control or tap the camera icon in the app. Ensure the drone is stable for clear images.

6.2 Recording Videos

To start or stop video recording, press the video button on the remote control or tap the video icon in the app. Videos are recorded in 4K resolution.

7. MAINTENANCE

7.1 Cleaning

- Wipe the drone and remote control with a soft, dry cloth.
- Do not use solvents or harsh chemicals.
- Remove any debris from the propellers and motors.

7.2 Battery Care

- Store batteries in a cool, dry place.
- Do not overcharge or over-discharge batteries.
- If not used for an extended period, charge batteries to approximately 50% capacity.

7.3 Storage

When not in use, store the drone in its original packaging or a protective case to prevent damage. Keep it away from direct sunlight and extreme temperatures.

8. TROUBLESHOOTING

- **Drone not responding:** Ensure batteries are charged, drone and remote are paired, and you are within range.
- **Poor image/video quality:** Check for debris on the camera lens, ensure good lighting, and fly in stable conditions.
- **Short flight time:** Fully charge the battery before each flight. Flight time can be affected by aggressive flying or strong winds.

- **Drone drifts during flight:** Perform a gyroscope calibration as instructed in the app or quick start guide.

9. SPECIFICATIONS

Feature	Detail
Brand	GoolRC
Model Name	GoolRC RC Drone with Camera 4K Dual Camera
Material	ABS
Motor	Coreless Motor
Frequency	2.4Ghz
Drone Battery	3.7V 1800mAh Lithium Ion
Remote Control Battery	3 x AA Battery (not Included)
Charging Time	80-100 minutes
Flight Time	Approximately 8 minutes
Remote Control Distance	Up to 100 meters
Image Transmission Distance	15-30 meters
Front Camera Photo Resolution	4096*2160P
Front Camera Video Resolution	4096*2160P (4K)
Bottom Camera Photo Resolution	4096*2160P
Bottom Camera Video Resolution	4096*2160P (4K)
Applicable Mobile Phone System	Android 5.0 above, iOS 9.0 above
Unfolded Size	25 x 20 x 5.5 cm (9.84"L x 7.87"W x 2.17"H)
Folded Size	8 x 12.5 x 5.5 cm
Weight	200g (7.05 oz) / 13.1 ounces
Recommended Age	14 years and up

Super remote control distance Long voyage to enjoy the sky

Real-time HD image transmission, It's a God's-eye view of the earth



Image: Visual representation of the drone's remote control distance capabilities, showing a drone flying above a remote controller with a smartphone attached.

10. WARRANTY AND SUPPORT

10.1 Warranty Information

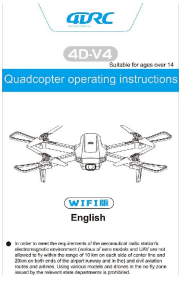




GoolRC products are covered by a limited warranty against manufacturing defects. Please refer to the warranty card included in your package or contact GoolRC customer support for detailed warranty terms and conditions.

10.2 Customer Support

For technical assistance, troubleshooting, or any questions regarding your GoolRC RC Drone, please contact our customer support team. Contact information can typically be found on the product packaging, the official GoolRC website, or through your retailer.



Related Documents - GoolRC RC Drone with Camera 4K Dual Camera

	<p>4DRC 4D-V4 Quadcopter Operating Instructions and User Manual</p> <p>Comprehensive operating instructions for the 4DRC 4D-V4 Quadcopter, covering setup, pre-flight checks, remote control and app operation, flight modes, and safety guidelines.</p>
	<p>Foldable Drone Pro 2 with HD Dual Camera E99 User Manual</p> <p>Comprehensive user manual for the Foldable Drone Pro 2 with HD Dual Camera E99, covering remote control overview, battery installation and charging, aircraft assembly, flight controls, advanced functions like fine-tuning and flips, headless mode, one-key return, and troubleshooting.</p>
	<p>SNAPTAIN S50 4-AXIS DRONE User Manual</p> <p>Comprehensive user manual for the SNAPTAIN S50 4-AXIS DRONE, covering safety guidelines, maintenance, packing list, function overview, flight preparation, operation, app usage, parameters, and troubleshooting.</p>
	<p>Vistatech Quadcopter Drone Instruction Manual</p> <p>Comprehensive instruction manual for the Vistatech Quadcopter Drone, covering setup, operation, safety precautions, remote control functions, app integration, and troubleshooting.</p>
	<p>How to Fly a Quadcopter: The Ultimate Guide</p> <p>A comprehensive guide to flying quadcopters, covering basic controls, safety precautions, pre-flight checks, and advanced techniques. Learn to master your drone with step-by-step instructions.</p>



[Drone 360° Rolling Function and Troubleshooting Guide](#)

Comprehensive guide to performing the 360° rolling maneuver on drones and troubleshooting common flight issues, including battery and calibration problems.