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› GooIRC 4K Dual Camera Foldable Drone User Manual

**GooIRC ZDC6494289347415LT**

# GooIRC 4K Dual Camera Foldable Drone User Manual

Model: ZDC6494289347415LT

## INTRODUCTION

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Thank you for purchasing the GooIRC 4K Dual Camera Foldable Drone. This manual provides essential information for the safe operation, setup, and maintenance of your drone. Please read it thoroughly before first use to ensure proper functionality and to prevent damage or injury. Keep this manual for future reference.

# DRONE<sub>MAX</sub>

Dual Camera Obstacle Avoidance Aerial Camera



Image: The GoolRC DRONEmax drone, featuring dual cameras and obstacle avoidance capabilities, shown in flight over a mountainous landscape.

## IMPORTANT SAFETY GUIDELINES

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Operating a drone requires responsibility. Adhere to the following safety precautions:

- **Pre-Flight Check:** Always inspect the drone, remote control, and batteries for any damage before each flight. Ensure propellers are securely attached and free from obstructions.
- **Environmental Conditions:** Fly in open areas, away from people, animals, buildings, and trees. Avoid flying in strong winds, rain, snow, or fog.
- **Line of Sight:** Maintain visual line of sight with the drone at all times.
- **Battery Safety:** Use only the provided or approved batteries and charging cables. Do not overcharge or puncture batteries. Discontinue use if batteries show signs of swelling or damage.
- **Age Recommendation:** This product is recommended for adults (16 years and older).
- **Local Regulations:** Be aware of and comply with all local laws and regulations regarding drone operation.

## PACKAGE CONTENTS

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Verify that all items are present in your package:

- 1 x GoolRC Drone
- 1 x Remote Control
- 3 x 3.7V 1800mAh Drone Battery
- 4 x Wind Blades (Spare Propellers)
- 4 x Protective Frames
- 1 x USB Charging Cable
- 1 x Screwdriver
- 1 x Storage Box

## SETUP GUIDE

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### 1. Charge Drone Batteries

Connect the 3.7V 1800mAh drone battery to the USB charging cable, then plug the cable into a USB power adapter (not included). The charging time is approximately 100 minutes. The indicator light will show charging status.

### 2. Install Remote Control Batteries

Open the battery compartment on the back of the remote control and insert 3 x AA batteries (not included), ensuring correct polarity.

### 3. Attach Propellers and Protective Frames

Carefully attach the propellers to the motor shafts. Ensure each propeller is correctly oriented (A and B types). Then, snap the protective frames onto the drone's arms to shield the propellers from impact.

### 4. Unfold the Drone

Gently unfold the drone's arms until they lock into position. The drone is now ready for flight.

# Augmented Flight Design Easy to fly, beginners can get started in seconds

Upgrade intelligent hover technology to always maintain Flight altitude



Image: The GoolRC drone in its unfolded state, highlighting its design for stable and easy flight, suitable for beginners.

## 5. App Download and Connection

Download the dedicated drone control app from your device's app store. The app is compatible with Android 5.0 or above and iOS 9.0 or above. Power on the drone, then connect your smartphone to the drone's Wi-Fi network (2.4G WiFi signal) as displayed in your phone's Wi-Fi settings. Open the app to establish a connection for real-time image transmission and advanced controls.

## OPERATING INSTRUCTIONS

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### 1. Power On/Off and Pairing

- **Power On:** Place the drone on a flat surface. Press and hold the power button on the drone until the indicator lights turn on. Turn on the remote control.
- **Pairing:** Push the left joystick on the remote control up then down. The drone's lights will stop flashing and become solid, indicating successful pairing.
- **Power Off:** Press and hold the power button on the drone and remote control until they turn off.

### 2. Calibration

After pairing, perform a gyroscope calibration. Push both joysticks on the remote control to the bottom-right corner

simultaneously. The drone's lights will flash rapidly and then become solid, indicating successful calibration. This ensures stable flight.

### 3. Take-off and Landing

- **Manual Take-off:** Push both joysticks to the bottom-left corner simultaneously to unlock the motors. Then, slowly push the left joystick (throttle) upwards to take off.
- **One-Key Take-off/Landing:** Press the dedicated one-key take-off/landing button on the remote control for automatic take-off or landing.

### 4. Basic Flight Controls

- **Left Joystick (Throttle/Yaw):** Up/Down for altitude, Left/Right for rotation.
- **Right Joystick (Pitch/Roll):** Up/Down for forward/backward flight, Left/Right for left/right sideward flight.
- **Headless Mode:** Press the headless mode button. In this mode, the drone's orientation is relative to the pilot, regardless of its actual front.
- **Optical Flow Positioning:** The drone utilizes optical flow sensors for stable hovering and precise positioning, especially indoors or at low altitudes.



#### Optical flow hovering

Increase stability in flight  
novice "second to learn"



#### Four way obstacle avoidance

Refuse collision

#### Upgrade high brightness LED color lights

The tail is paired with bright  
LED color lights



Image: A visual representation of the drone's optical flow hovering for stability, four-way obstacle avoidance, and upgraded high-brightness LED color lights.

## 5. Advanced Features

- **Four-directional Obstacle Avoidance:** The drone is equipped with sensors to detect and avoid obstacles from four directions, enhancing flight safety.
- **Gesture Shooting:** While in the air, perform specific hand gestures (refer to app instructions for details) to trigger photo or video recording.
- **Intelligent Follow:** Activate this feature via the app, and the drone will automatically follow a designated subject, capturing dynamic footage.
- **Trajectory Flight:** Draw a flight path on your smartphone screen within the app, and the drone will automatically follow the specified route.



Image: The GoolRC drone following a pre-drawn trajectory path over a river landscape, demonstrating its autonomous flight capability.

- **360° Roll:** Press the dedicated button on the remote control to perform an aerial 360-degree flip. Ensure sufficient altitude before attempting this maneuver.

## 360 ° Roll One click aerial stunt

During the flight, 360 ° rolling in the air can be achieved through the remote control



Image: The GoRC drone executing a 360-degree roll in the air, illustrating its one-click aerial stunt capability.

### 6. 4K Dual Camera Operation and Real-Time Transmission

- **Photo/Video:** Use the dedicated buttons on the remote control or the app interface to capture 4K photos and videos. The drone features both a front and bottom camera.
- **Electric Tuning Lens:** Adjust the camera angle dynamically via the remote control or app for optimal shots.
- **Real-Time Image Transmission:** View live footage from the drone's camera directly on your connected smartphone via the app, with high-definition transmission.

# In place, you can watch Long Range Real Time Scenery

Real time viewing of drone shooting through  
mobile app, high-definition transmission  
without delay



Image: A GoI RC drone flying over mountains, with a remote control and smartphone in the foreground displaying the drone's real-time camera view.

# 4K dual camera Create creativity and create a compelling image

Featuring multiple flight performance options, making you eye-catching



Image: A detailed view of the GoolRC drone's 4K dual camera system, emphasizing its capability for high-quality aerial photography and videography.

- **Beauty Filter Shooting:** The app may offer beauty filters and post-production options for enhancing captured images.

# Beauty Filter Shooting Shooting/post production in one go

Take beautiful photos with just one click

✓ Add filter effect

✓ Beauty shooting



Image: A comparison showing the effect of a beauty filter on a photograph, illustrating the drone's potential for enhanced image capture and post-processing.

## MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the drone and remote control. Avoid using water or solvents.
- **Propeller Replacement:** If propellers are damaged, use the provided screwdriver to replace them with spare parts. Ensure correct A/B propeller types are installed in their respective positions.
- **Battery Care:** Store batteries in a cool, dry place. Do not store fully charged or completely depleted batteries for extended periods. Charge them to about 50% for long-term storage.
- **Storage:** When not in use, fold the drone and store it in the provided storage box to protect it from dust and damage.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Drone does not respond to remote control.	Not paired, low battery, interference.	Ensure drone and remote are powered on and paired correctly. Charge batteries. Fly in an open area away from other wireless devices.
Drone flies unstably or drifts.	Not calibrated, damaged propellers, strong wind.	Perform gyroscope calibration. Check and replace damaged propellers. Avoid flying in windy conditions.
No real-time image on smartphone.	Not connected to drone's Wi-Fi, app not open, weak signal.	Ensure phone is connected to the drone's Wi-Fi. Open the control app. Move closer to the drone for a stronger signal.
Short flight time.	Battery not fully charged, old battery, aggressive flying.	Ensure battery is fully charged. Consider replacing old batteries. Fly more conservatively.
Obstacle avoidance not working.	Sensors obstructed, flying too fast, specific lighting conditions.	Ensure sensors are clean and unobstructed. Fly at moderate speeds. Obstacle avoidance may be less effective in certain lighting or with very thin objects.

## SPECIFICATIONS

Feature	Detail
Item Name	Remote Control Drone
Main Material	Plastic
Motor	816 brush motor
Drone Battery	3.7V 1800mAh
Remote Control Battery	3*AA battery (not included)
Charging Time	Approximately 100 minutes
Flight Time (Single Battery)	15-18 minutes
Image Transmission Signal	2.4G WiFi
Remote Control Distance	100 meters
Image Transmission Distance	100 meters
Camera	4K Dual Camera (Front & Bottom)
Photo Resolution	4096*2160P
Video Resolution	4096*2160P
Compatible System	Android 5.0 or above, iOS 9.0 or above

Feature	Detail
Color	Black
Folded Size	13.5*8.5*7cm
Unfolded Size	26*26*7cm
Manufacturer Part Number	ZDC6494289347415LT

## WARRANTY AND SUPPORT

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For warranty information and customer support, please refer to the documentation provided with your purchase or visit the official GoolRC website. You may also contact the retailer from whom you purchased the product for assistance.

**Manufacturer:** GoolRC