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## GoolRC Mini

# GoolRC Mini Drone User Manual

4K HD 2-in-1 RC Quadcopter with Land and Fly Modes

## 1. INTRODUCTION

Thank you for purchasing the GoolRC Mini Drone. This 2-in-1 RC Quadcopter offers both land and fly modes, equipped with a 4K HD camera for capturing high-resolution photos and videos. Please read this manual thoroughly before operation to ensure safe and correct usage, and retain it for future reference.

## 2. SAFETY PRECAUTIONS

- Always operate the drone in open areas, away from people, animals, and obstacles.
- Do not operate in strong winds or adverse weather conditions.
- Keep fingers and hair away from rotating propellers.
- Ensure batteries are fully charged before each use.
- Adult supervision is recommended for users under 14 years of age.
- Do not modify or disassemble the drone or its components.

## 3. PACKAGE CONTENTS

Verify that all items are present in your package:

- RC Drone
- Remote Controller
- Drone Battery (3.7V 800mAh)
- Spare Propellers (4 pieces)
- USB Charging Cable
- Screwdriver

- User Manual



Image: Contents of the GoolRC Mini Drone package, showing the drone, remote controller, battery, spare propellers, USB charging cable, screwdriver, and the user manual.

## 4. PRODUCT OVERVIEW

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The GoolRC Mini Drone is a versatile quadcopter designed for both aerial flight and ground movement. It features a compact design, integrated 4K HD camera, and various intelligent flight modes.



Image: The GoolRC Mini Drone in its land configuration, alongside its remote controller.

## 5. SETUP

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### 5.1. Charging the Drone Battery

1. Connect the drone battery to the USB charging cable.
2. Plug the USB cable into a USB power adapter (not included) or a computer USB port.
3. The indicator light on the USB cable will show charging status (refer to cable instructions for specific light behavior).
4. Charging typically takes approximately 60-80 minutes for a full charge.

### 5.2. Installing the Drone Battery

1. Ensure the drone is powered off.
2. Carefully insert the fully charged battery into the battery compartment on the drone.
3. Secure the battery cover.

### 5.3. Installing Remote Controller Batteries

1. Open the battery compartment on the back of the remote controller.
2. Insert 3 AAA batteries (not included), ensuring correct polarity (+/-).
3. Close the battery compartment securely.

## 5.4. Propeller Installation (if needed)

If propellers need replacement, use the included screwdriver to remove the old ones. Match the new propellers to the corresponding motor arms (usually marked A and B) and secure them with screws.

## 6. OPERATING INSTRUCTIONS

### 6.1. Remote Controller Overview



Image: A detailed diagram of the remote controller, indicating the functions of each button and joystick, including fine-tuning, flipping mode, headless mode, left joystick (speed adjustment), right joystick (air-land mode switch), one-key takeoff/landing/emergency stop, and power switch.

- **Left Joystick:** Controls altitude (up/down) and rotation (left/right). Also used for speed adjustment.
- **Right Joystick:** Controls forward/backward and left/right movement. Also used for air-land mode switch.
- **One-Key Takeoff/Landing/Emergency Stop Button:** Initiates automatic takeoff or landing. Press and hold for emergency stop.
- **Flipping Mode / Headless Mode Button:** Activates 3D flip function or Headless Mode.
- **Fine-tuning Reset / Enter or Exit Fine-tuning:** Adjusts drone trim for stable flight.
- **Power Switch:** Turns the remote controller on/off.

### 6.2. Pairing the Drone and Remote Controller

1. Place the drone on a flat, level surface.
2. Power on the drone. The LED lights will flash.
3. Power on the remote controller.
4. Push the left joystick all the way up, then pull it all the way down. The drone's LED lights will stop flashing and remain solid, indicating successful pairing.

### 6.3. Takeoff and Landing

# ONE-KEY TAKEOFF AND LANDING

One-key operation, easy take-off, easy landing,  
make the flight more simple



Image: The GoolRC Mini Drone demonstrating its one-key takeoff and landing feature, showing the drone ascending from the ground and descending back to it.

- **One-Key Takeoff:** After pairing, press the One-Key Takeoff/Landing button. The drone will automatically ascend and hover at a stable altitude.
- **Manual Takeoff:** After pairing, push both joysticks down and outwards simultaneously to unlock the motors. Then, slowly push the left joystick up to ascend.
- **One-Key Landing:** During flight, press the One-Key Takeoff/Landing button. The drone will automatically descend and land.
- **Manual Landing:** Slowly pull the left joystick down to descend. Once landed, pull both joysticks down and inwards to lock the motors.

## 6.4. Flight Modes and Features

### 6.4.1. Land and Fly Modes

## ONE-KEY SWITCH AIR & LAND DUAL MODE

Land and air function can be switched at will,  
not only can fly but also run



Image: The GoolRC Mini Drone shown in both its air mode (flying) and land mode (driving on the ground), illustrating the one-key switch between these dual modes.

The drone can operate in two distinct modes: air and land. Use the Right Joystick button to switch between these modes. In land mode, the propellers may still spin but the drone will move on its wheels. In air mode, the drone will fly.

### 6.4.2. Headless Mode

## HEADLESS MODE NO NEED TO IDENTIFY DIRECTION

No longer disoriented when headless mode is enabled.

With the direction of the remote control as the front,  
the direction is easier to grasp and the control is simpler.



Image: The GoolRC Mini Drone viewed from above, with a compass overlay (N, S, E, W) to illustrate Headless Mode, where the drone's orientation is relative to the remote controller, simplifying control.

Press the Headless Mode button to activate. In Headless Mode, the drone's forward direction is always the direction the remote controller is facing, regardless of the drone's actual orientation. This simplifies control for beginners.

### 6.4.3. 3D Flips

# 360° FLIP 6-AXIS GYROSCOPE

Add fun to your flight by performing smooth flipping stunt with just one-key.



Image: The GoolRC Mini Drone shown in a sequence of positions, illustrating its ability to perform a 360-degree flip stunt in mid-air, enabled by its 6-axis gyroscope.

While flying, press the 3D Flip button, then move the right joystick in the desired direction (forward, backward, left, or right) to perform a 360-degree flip.

#### 6.4.4. Auto Hovering / Fixed Height

## FIXED HEIGHT / SPOT HOVER / ANTI-SHAKE

All of the functions make aerial photography clearer.

Air pressure technology is used to sense the flight altitude and maintain a stable hover. Better handling, better flying, better shooting.



Image: The GoolRC Mini Drone hovering stably above a person in a mountainous landscape, demonstrating its fixed height and spot hover capabilities, which contribute to anti-shake performance.

The drone features air pressure positioning technology, allowing it to maintain a stable altitude automatically. This enhances flight stability and aids in capturing clearer aerial footage.

### 6.4.5. Speed Adjustment

The drone offers multiple speed modes (low, medium, high) for different skill levels and environments. Press the Left Joystick button to cycle through the speed settings.

## 6.5. Camera Operation and Wi-Fi Transmission



## HD CAMERA

Make your travel a masterpiece

Professional lens and focus following make the footage look like a movie clip.

Keep the short time where you go and record all the beautiful scenes.

Image: A close-up view of the drone's 4K HD camera, highlighting its professional lens and focus-following capabilities for capturing high-quality footage.

**WIFI IMAGE REAL-TIME TRANSMISSION**  
**SHARE THE SCENERY WITH**  
**YOU IN REAL TIME**



Image: A smartphone screen showing a real-time image feed from the drone, demonstrating the Wi-Fi image real-time transmission feature, allowing users to view scenery as the drone flies.

- 1. App Download:** Scan the QR code in the manual (or search your app store) for the dedicated drone control app.

2. **Connect to Wi-Fi:** Turn on the drone. On your smartphone, go to Wi-Fi settings and connect to the drone's Wi-Fi network (usually named 'GoolRC-XXXX' or similar).
3. **Launch App:** Open the drone control app. You should see a real-time video feed from the drone's camera.
4. **Capture Photos/Videos:** Use the buttons within the app to take photos or start/stop video recording. Captured media will be saved to your smartphone's gallery.

## 7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the drone and remote controller. Do not use solvents or harsh chemicals.
- **Propellers:** Regularly check propellers for damage. Replace any bent or broken propellers immediately using the spare parts provided.
- **Storage:** When not in use, store the drone and remote controller in a cool, dry place, away from direct sunlight. Remove batteries from the remote controller for long-term storage.
- **Battery Care:** Do not overcharge or over-discharge batteries. If the drone will not be used for an extended period, charge the battery to about 50% before storing.

## 8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Drone does not respond to remote.	Not paired; low battery; out of range.	Re-pair the drone and remote; charge batteries; operate within 60m range.
Drone drifts during flight.	Not calibrated; uneven surface at takeoff; windy conditions.	Calibrate the gyroscope (refer to app/manual for specific steps); take off from a flat surface; avoid flying in wind.
Poor camera quality or no video feed.	Weak Wi-Fi signal; app not connected; camera lens dirty.	Ensure strong Wi-Fi connection; reconnect app; clean camera lens.
Propellers not spinning.	Motors locked; damaged propellers; low battery.	Unlock motors (joysticks down and out); replace propellers; charge battery.

## 9. SPECIFICATIONS



Image: A diagram showing the physical dimensions of the GoolRC Mini Drone: 14.5 cm (5.7 inches) in length, 16 cm (6.3

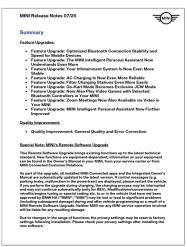
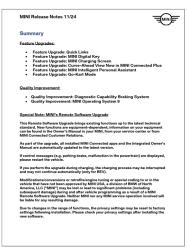
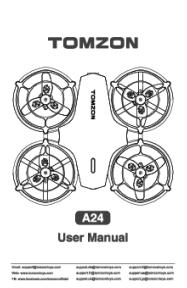
inches) in width, and 4.2 cm (1.7 inches) in height.

Feature	Detail
Brand	GoolRC
Model Name	Mini
Video Capture Resolution	4K
Battery Capacity	3.7V 800mAh
Flight Time	Approximately 10 minutes
Charging Time	Approximately 60-80 minutes
Maximum Range	60 Meters
Control Type	Remote Control, APP Control
Special Features	Land and Fly Modes, 3D Flips, Headless Mode, Auto Hovering, LED Lights, Speed Adjustment
Material	Plastic
Product Dimensions	5.71" L x 6.3" W x 1.65" H
Item Weight	10.6 ounces
Recommended Age	14 years and up

## 10. WARRANTY AND SUPPORT

GoolRC products typically come with a standard manufacturer's warranty. For specific warranty details, please refer to the warranty card included in your package or contact GoolRC customer support directly. If you encounter any issues not covered in this manual, please reach out to the retailer or GoolRC customer service for assistance.

For further support, visit the [GoolRC Store on Amazon](#).

	<p><a href="#"><b>MINI John Cooper Works GP Supplementary Owner's Handbook</b></a></p> <p>This supplementary owner's handbook provides essential information, operating instructions, and technical data specific to the MINI John Cooper Works GP, highlighting differences from the standard MINI model. It covers vehicle equipment, safety, driving technology, maintenance, and technical specifications.</p>
	<p><a href="#"><b>MINI P01 Pro 360° Auto Face Tracking Gimbal User Manual</b></a></p> <p>The MINI P01 Pro 360° Auto Face Tracking Gimbal is a smart phone holder with automatic face tracking, 360-degree rotation, and 180-degree flip shot capabilities. This user manual provides detailed instructions for operation, features, and tripod mounting, along with product specifications. It also includes warranty information provided by Ivory Computers Ltd.</p>
	<p><a href="#"><b>MINI Release Notes 07/25: Software Update Features and Improvements</b></a></p> <p>Detailed release notes for the MINI software update dated 07/25, outlining new features, performance enhancements, and quality improvements for MINI vehicles, including updates to Bluetooth, the Intelligent Personal Assistant, infotainment, charging, and new entertainment options.</p>
	<p><a href="#"><b>MINI Release Notes 11/24: New Features and System Improvements</b></a></p> <p>Detailed release notes for MINI vehicles, covering new features like Quick Links, Digital Key, Charging Screen, Curve-Ahead View, Intelligent Personal Assistant, Go-Kart Mode, and quality improvements to the braking system and Operating System 9.</p>
	<p><a href="#"><b>MINI Cabrio, Coupé &amp; Roadster: Stile e Piacere di Guida</b></a></p> <p>Scopri le MINI Cabrio, Coupé e Roadster. Questo catalogo presenta i modelli MINI con un focus su stile, personalizzazione, design distintivo e l'iconico Go-Kart feeling. Esplora le opzioni di allestimento, le motorizzazioni e le caratteristiche uniche che rendono ogni MINI un'espressione di personalità.</p>
	<p><a href="#"><b>TOMZON A24 Drone User Manual</b></a></p> <p>This user manual provides comprehensive instructions for operating the TOMZON A24 drone, including setup, flight controls, safety precautions, and special modes like Battle Mode and Throw Mode.</p>

Kauplusest: [www.electroline.ee](http://www.electroline.ee)

**Kauplematut:** – ülitundatud kauplusehind!

**GOOLRC LS-XT6 RC drooni minidrooni 6-teelisele güroskoopi kasutusjuhend**

Kode: **GOOLRC** + **GOOLRC LS-XT6 RC drooni minidrooni 6-teelise güroskoopi kasutusjuhend**

**Siis:**

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- 1 kaubamaksetu
- 2 Saatja turvavahed
- 4 Lennusharjumust ja pöördehahmud 5
- Lennusharjumused
- 4 Akumulaatori
- 7 Lennid protsess ja läheksuksid 8
- 1 Lennus
- 1 Dokumentide ja ressursse 10
- seestud peitust

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**GOOLRC LS-XT6 RC drooni minidrooni 6-teelise güroskoopi**

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Explore a wide range of consumer products including kitchen appliances, home improvement tools, toys, and electronics. This catalog provides detailed descriptions, brands, and pricing for various household items.

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## Catálogo de Productos y Precios

Este documento presenta un extenso catálogo de productos de diversas categorías, incluyendo electrónica, juguetes, electrodomésticos, moda y más. Cada entrada detalla el nombre del producto, su código de identificación (ASIN), código EAN, una descripción concisa, la cantidad disponible y el precio total de venta al por menor. La lista abarca una amplia gama de marcas y modelos, ofreciendo una visión general del mercado de consumo.

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