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ROVPRO RC004

ROVPRO RC Car with Camera (Model RC004) Instruction Manual

1:18 Scale High-Speed Alloy Off-Road Truck

1. INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your ROVPRO RC Car with Camera, Model RC004. Please read this manual thoroughly before operating the vehicle to ensure safe and optimal performance. This 1:18 scale remote control truck is designed for off-road use and features a built-in camera for real-time video transmission.



Image 1.1: The ROVPRO RC Car with its remote control and a smartphone displaying the camera feed.

2. PACKAGE CONTENTS

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

- 1x ROVPRO RC Monster Truck
- 1x 2.4GHz Remote Controller
- 2x Truck Batteries (Rechargeable)
- 1x USB Charging Cable
- 1x User Manual (This document)
- 1x Screwdriver
- 1x Mobile Phone Rack

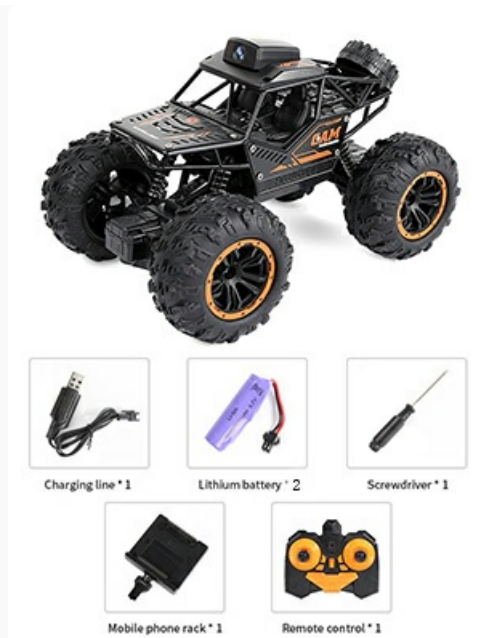


Image 2.1: Visual representation of the ROVPRO RC Car package contents.

3. PRODUCT OVERVIEW

The ROVPRO RC Car is an advanced 1:18 scale off-road vehicle featuring a durable alloy frame and independent shock absorption for various terrains. It includes a high-definition camera for real-time video and image capture.

Key Components:

- **HD Camera:** Integrated camera for photo and video capture.
- **TPR Anti-slip Tires:** Hollow rubber tires designed for superior grip and stability on diverse surfaces.
- **Metal Shell/Alloy Frame:** Provides enhanced durability and impact resistance.
- **Power Motor:** Delivers strong performance for off-road driving.
- **Independent Shock Absorption:** Four anti-vibration springs for stable operation over rough terrain.

DETAILS



TPR Anti-slip
Tires



HD camera



Independent
shock absorption



Metal Shell

Power Motor



Image 3.1: Component breakdown of the ROVPRO RC Car.



**ALLOY
FRAME**



4. SETUP

4.1 Battery Installation and Charging

1. **RC Car Battery:** Use the included screwdriver to open the battery compartment on the underside of the RC car. Insert one of the rechargeable truck batteries, ensuring correct polarity. Close the compartment securely.
2. **Remote Controller Batteries:** The remote controller requires 2 D batteries (not included). Open the battery compartment on the back of the remote and insert the batteries, observing polarity. Close the compartment.
3. **Charging the Truck Battery:** Connect the rechargeable truck battery to the USB charging cable. Plug the USB cable into a standard USB power adapter (e.g., phone charger, computer USB port). The charging indicator will show the charging status. Ensure the battery is fully charged before first use (approximately 2-3 hours). Do not overcharge.

4.2 Camera and App Connection

1. **Download the App:** Scan the QR code in the quick start guide (or search your app store) for the official ROVPRO RC Car control app. Install the app on your smartphone.
2. **Power On:** Turn on the RC car and the remote controller.
3. **Connect to Wi-Fi:** On your smartphone, go to Wi-Fi settings and connect to the Wi-Fi network broadcast by the RC car (usually named something like "ROVPRO_RC_XXXX"). No password is typically required.
4. **Launch App:** Open the ROVPRO app. The app should automatically detect and connect to the RC car's camera, displaying a live video feed.
5. **Mount Phone:** Attach your smartphone to the mobile phone rack on the remote controller for convenient viewing during operation.

5. OPERATING INSTRUCTIONS

5.1 Basic Controls

The RC car can be controlled via the 2.4GHz remote controller or through the smartphone app.

- **Forward/Backward:** Use the throttle trigger/joystick on the remote or the corresponding controls in the app.
- **Left/Right Steering:** Use the steering wheel/joystick on the remote or the directional controls in the app.
- **Direction Trim:** If the car does not drive in a straight line, use the direction knob/trim adjustment on the remote or in the app to fine-tune the steering.

5.2 Driving Tips

- Operate the RC car in open areas free from obstacles, people, and pets.
- Avoid driving in wet conditions or through deep puddles to prevent damage to electronic components.
- The car is designed for various terrains including concrete, sand, grass, and gravel. However, extreme obstacles or very soft surfaces may affect performance.
- Monitor battery levels to avoid sudden power loss during operation.



CONQUER ALL KINDS OF ENVIRONMENTS



Image 5.1: The RC car navigating challenging terrain.

5.3 Camera Operation

Once connected via the app, you can:

- **View Live Feed:** The app displays real-time video from the car's camera.
- **Take Photos:** Tap the camera icon in the app to capture still images.
- **Record Video:** Tap the video icon to start and stop video recording.
- Captured media is saved directly to your smartphone's gallery.

6. MAINTENANCE

6.1 Cleaning

- After each use, especially after driving in dusty or dirty conditions, gently clean the car body and wheels with a soft, dry cloth.
- Remove any debris (grass, small stones) from the suspension and wheel axles to ensure smooth operation.

- Do not use water or chemical cleaners directly on the electronic components.

6.2 Storage

- Store the RC car and remote controller in a cool, dry place away from direct sunlight and extreme temperatures.
- Remove all batteries from both the RC car and the remote controller if storing for an extended period to prevent leakage.

6.3 Battery Care

- Always use the provided USB charging cable for the truck batteries.
- Do not leave batteries charging unattended.
- If a battery appears damaged, swollen, or overheated, discontinue use immediately and dispose of it properly.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Car does not respond to remote.	Low battery in car or remote; Car/remote not paired; Out of range.	Charge car battery; Replace remote batteries; Re-pair car and remote (refer to quick start guide); Operate within range.
Camera feed is unstable or disconnected.	Weak Wi-Fi signal; App not connected; Interference.	Ensure phone is connected to car's Wi-Fi; Restart app and car; Operate in an area with less Wi-Fi interference.
Car drives crooked.	Steering trim needs adjustment.	Adjust the steering trim knob on the remote or in the app until the car drives straight.
Short battery life.	Battery not fully charged; Old battery; Continuous high-speed use.	Ensure full charge; Consider replacing old batteries; Moderate driving style.

8. SPECIFICATIONS

Feature	Detail
Model Number	RC004
Scale	1:18
Product Dimensions	10 x 7 x 6 inches (25.4 x 17.78 x 15.24 cm)
Item Weight	1.37 pounds (0.62 kg)
Control Frequency	2.4 GHz
Camera	3 Megapixel, Wi-Fi enabled for real-time transmission
Recommended Age	15 years and up
Car Batteries	2x Rechargeable (included)
Remote Batteries	2x D batteries (not included)
Material	Alloy, Plastic, Rubber

SIZE DISPLAY



12.5cm

14cm

20.5cm

Image 8.1: ROVPRO RC Car dimensions.

9. SAFETY INFORMATION

- This product is recommended for users 15 years and up. Adult supervision is advised for younger users.
- Keep fingers, hair, and loose clothing away from moving parts (wheels, axles, motor).
- Do not operate near roads, busy streets, or in areas with high pedestrian traffic.
- Avoid operating in adverse weather conditions such as rain, snow, or strong winds.
- Never disassemble or modify the product. Unauthorized modifications may cause damage and void the warranty.
- Dispose of batteries according to local regulations.

10. WARRANTY AND SUPPORT

ROVPRO products are manufactured to high-quality standards. For any issues or support needs, please contact ROVPRO customer service. Please retain your proof of purchase for warranty claims.

For further assistance, please visit the official ROVPRO store or contact their customer support channels.