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GoolRC 144018

GoolRC WLtoys 144018 RC Truck User Manual

1/14 Scale 4WD High-Speed Remote Control Car

1. INTRODUCTION

Thank you for purchasing the GoolRC WLtoys 144018 RC Truck. This 1/14 scale remote control car is designed for off-road enthusiasts, featuring 4-wheel drive and a high-speed capability of up to 35 KM/H. This manual provides essential information for the safe operation, setup, maintenance, and troubleshooting of your RC truck. Please read it thoroughly before use to ensure optimal performance and longevity of the product.



Image 1.1: The GoolRC WLtoys 144018 RC Truck, showcasing its 1:14 scale, 4WD, and 35 KM/H speed capabilities for all-terrain off-road use.

2. PACKAGE CONTENTS

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

- 1 x Remote Control Car
- 1 x Remote Controller
- 2 x 7.4V 1500mAh Lithium Battery
- 1 x Charging Cable
- 1 x Screwdriver
- 1 x User Manual (this document)

Product Information

NO.144018

Name.

1:14 Electric 4WD truck car

Size.

31×24×14cm

Box size.

32.5×27×20cm

Mode.

2.4GHz (Control Distance is 100m)

Motor.

390 Carbon Brush Motor

Battery.

7.4V 1500mAh *1



Image 2.1: All components included in the GoolRC WLtoys 144018 RC Truck package, including the car, remote, batteries, charger, and tools.

3. PRODUCT FEATURES

- **High Speed Performance:** Equipped with a 390 Strong Magnetic Carbon Brush Motor, achieving speeds up to 35km/h.
- **2.4GHz Remote Control:** Provides anti-jamming capability for simultaneous racing and a control distance of up to 80 meters.
- **Oil Pressure Shock Absorbers:** Features hardware oil pressure shock absorbers with an independent suspension system for stable dynamic performance, wear resistance, and excellent sealing.
- **Four-Wheel Drive System:** Enhances handling and passability, allowing smooth driving across various terrains.
- **All-Terrain Capability:** Designed to adapt to rough terrains such as beaches, snow, grass, mountain roads, and rocky paths.



Image 3.1: The RC truck navigating challenging terrain, emphasizing its 390 Carbon Brush Motor, 35 km/h max speed, 2.4 GHz remote control, and 100m control distance.

4. SAFETY PRECAUTIONS

Adhering to these safety guidelines will help prevent accidents and ensure safe operation:

- Do not operate the RC truck in busy or crowded areas to avoid accidental injury.
- Ensure the operating area is free of obstacles to prevent collisions or other hazards.
- This remote-controlled toy car is suitable only for use on flat and dry terrain. Avoid operating on damp or rough surfaces.
- Maintain focus and avoid distractions or excessive play that may lead to accidents.
- Recommended age for users is 14 years and up.



Image 4.1: The RC truck with its dimensions (31cm length, 24cm width, 14cm height) and important safety warnings regarding usage environment.

5. SETUP AND CHARGING

Follow these steps to prepare your RC truck for operation:

1. Carefully remove the RC truck and all its components from the packaging.
2. Use the included screwdriver to assemble any necessary parts of the truck according to the visual instructions in the manual.
3. Install the car battery and controller battery as indicated in the instructions. Ensure correct polarity.
4. Connect the car battery to the charging cable and charge it for approximately 3 hours. Do not overcharge.
5. Once charging is complete, disconnect the battery and install it securely in the RC truck.

LASTING TIME

15 min

MAX SPEED

35 Km/h



Lithium Battery

Efficient discharge rate battery 7.4V 1500mAh battery provides coreless motor with powerful force.

ALLOY DIFFERENTIAL GEAR

Use alloy differential gears, wear resistance, improve the service life of gear.



CENTRAL DRIVING SHAFT

Alloy gear with iron central drive shaft, durable, strong.

Image 5.1: An internal view of the RC truck, showing the Lithium Battery (7.4V 1500mAh) and key components like the alloy differential gear and central driving shaft.

6. OPERATING INSTRUCTIONS

Once the truck is set up and batteries are charged, you can begin operation:

1. Turn on the remote controller first, then turn on the RC truck. The indicator lights on both devices should confirm a successful connection.
2. Use the steering regulation wheel on the remote controller to turn left or right.
3. Use the trigger to control forward and backward movement. Pull the trigger to move forward, push it to brake or reverse.
4. Adjust the ST.TRIM and TH D/R settings on the remote controller as needed for steering and throttle response.
5. Enjoy driving the RC truck on various terrains, keeping safety precautions in mind.

2.4GHZ

Remote Control Mode

100m
CONTROL DISTANCE



2.4GHz has great advantages, even there are other people in the operation of car in the same space, the frequency will not be interfered with the same frequency.

Image 6.1: A detailed diagram of the 2.4GHz remote controller, indicating the Power LED, Power Switch, ST.TRIM, TH D/R, Trigger, Steering Regulation Wheel, and Remote Battery Cover.

Official Product Video

Your browser does not support the video tag.

Video 6.1: An official video demonstrating the GoolRC WLtoys 144018 RC Truck in action, showcasing its speed and off-road capabilities on various terrains.

7. MAINTENANCE

Regular maintenance ensures the longevity and performance of your RC truck:

- **Cleaning:** After each use, especially in dusty or muddy conditions, clean the truck to remove dirt and debris. Use a soft brush or compressed air. Avoid using water directly on electronic components.
- **Battery Care:** Always fully charge the battery before storage and discharge it partially if storing for extended periods. Store batteries in a cool, dry place.
- **Inspections:** Periodically check for loose screws, damaged parts, or worn tires. Replace any damaged components promptly.
- **Lubrication:** Apply appropriate RC lubricant to moving parts like gears and bearings as recommended by the manufacturer to reduce wear.
- **Shock Absorbers:** Inspect the oil pressure shock absorbers for leaks or damage. Ensure they are functioning correctly for optimal suspension.

8. TROUBLESHOOTING

If you encounter issues with your RC truck, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Truck does not respond to remote.	Low battery in truck or remote; not paired correctly; interference.	Charge batteries; re-pair remote and truck; move to an area with less interference.
Reduced speed or power.	Low truck battery; motor issues; debris in drivetrain.	Recharge truck battery; inspect motor for damage; clean drivetrain.
Steering issues (pulls to one side).	Steering trim not adjusted; damaged steering components.	Adjust steering trim on remote; inspect and replace damaged parts.
Unusual noises during operation.	Damaged gears; debris in moving parts.	Inspect and replace damaged gears; clean out any debris.

9. SPECIFICATIONS

Key technical specifications for the GoolRC WLtoys 144018 RC Truck:

Feature	Detail
Model Number	144018
Scale	1:14
Drive System	4-Wheel Drive (4WD)
Max Speed	35 KM/H
Motor	390 Strong Magnetic Carbon Brush Motor
Remote Control Frequency	2.4GHz
Control Distance	Up to 80 meters
Battery (Car)	7.4V 1500mAh Lithium Battery (x2 included)
Recommended Age	14 years and up
Item Weight	8.6 ounces
Package Dimensions	12.99 x 10.63 x 7.87 inches

10. WARRANTY AND SUPPORT

For warranty information, technical support, or replacement parts, please contact GoolRC customer service through the retailer where the product was purchased. Keep your purchase receipt as proof of purchase.

For additional resources and product information, you may visit the official GoolRC store online: [GoolRC Store](#)