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> GoolRC WLtoys 164018 1/16 Scale RC Car User Manual

GoolRC 164018

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Model: **164018** | Brand: **GoolRC**

1. PRODUCT OVERVIEW

The GoolRC WLtoys 164018 is a 1/16 scale remote control car designed for off-road performance. It features a 4WD system, high-toughness PVC shell, LED lights, and a 2.4GHz remote control for stable operation. This manual provides essential information for setting up, operating, and maintaining your RC car.



New sales

RC High Speed Off-Road Truck

Four Wheel Drive
Carbon Brush Motor
Strong Power

1:16
SCALE

NO. 164018

35KM/h

- 2.4GHz Remote Control
- 35KM/H High Speed
- Bright LED Light
- Four-wheel Drive
- 390 Powerful Brush Motor

2. PACKAGE CONTENTS

Before starting, please verify that all items listed below are included in your package:

- 1 x RC Car
- 1 x Remote Controller
- 1 x Charging Cable
- 1 x Screwdriver
- 4 x Fasteners
- 2 x Car Batteries
- 1 x User Manual (this document)



Image 2.1: Visual representation of the items included in the product package.

3. SETUP

3.1 Battery Installation

For the RC Car:

1. Carefully remove the car's body shell. This typically involves releasing clips or screws.

2. Locate the battery compartment.
3. Connect one of the provided car batteries to the car's power connector. Ensure the polarity is correct.
4. Secure the battery within the compartment, often using a strap or tray.
5. Reattach the car's body shell.

For the Remote Controller:

1. Open the battery cover on the back of the remote controller.
2. Insert the required batteries (not included, typically AA or AAA) according to the polarity markings.
3. Close the battery cover.

Your browser does not support the video tag.

Video 3.1: This video demonstrates the process of removing the RC car's shell and accessing the internal components, including the battery compartment. It provides a visual guide for battery installation and general inspection of the car's chassis.

3.2 Pairing the Remote Controller

To establish a connection between the remote controller and the RC car:

1. Ensure both the RC car and the remote controller have fresh batteries installed.
2. Turn on the RC car using its power switch.
3. Turn on the remote controller. The indicator light on the remote should blink, indicating it is searching for a signal.
4. Once the indicator light on the remote becomes solid, the pairing is complete. You can now operate the car.

4. OPERATING INSTRUCTIONS

4.1 Basic Controls

The 2.4GHz remote control offers precise and stable operation:

- **Steering Wheel:** Controls left and right turns.
- **Throttle Trigger:** Pull to move forward, push to brake or reverse. This provides infinitely variable speed control.
- **Steering Fine-Tuning:** Adjusts the steering trim to ensure the car drives straight when the steering wheel is centered.
- **Throttle Fine-Tuning:** Adjusts the throttle trim for neutral position or slight forward/backward creep.
- **Remote Control Switch:** Power on/off for the remote.

2.4G Remote Control Infinitely Variable Speed

It can be controlled freely from low speed to high speed through the throttle trigger
It's like the accelerator pedal of a real car

What is continuously variable transmission?



Image 4.1: Detailed view of the remote control with labeled functions for precise operation.

4.2 Driving Tips

- **All-Terrain Capability:** The 4WD system and robust design allow the car to handle various terrains, including grass, sand, and off-road paths.
- **High Speed:** The car can reach speeds up to 35KPH. Practice in open areas to get accustomed to its speed and handling.
- **LED Lights:** Utilize the bright LED headlights for enhanced visibility and an engaging experience during nighttime operation.
- **Impact Resistance:** The high-toughness PVC shell is designed to withstand impacts, but avoid excessive collisions to prolong the car's lifespan.

Image 4.2: The RC car's ability to conquer diverse terrains.

LED High Brightness headlights

Driving At Night Is More Dynamic



Image 4.3: The RC car's LED headlights and rear lights for improved visibility.

5. MAINTENANCE

5.1 General Care

- **Cleaning:** After each use, especially in dusty or muddy conditions, clean the car with a soft brush or cloth to remove dirt and debris. Avoid using water directly on electronic components.
- **Storage:** Store the RC car and remote control in a cool, dry place away from direct sunlight and extreme temperatures. Remove batteries from both the car and remote if storing for extended periods.
- **Inspection:** Regularly inspect the tires, shocks, and chassis for any signs of wear, damage, or loose connections.



Image 5.1: Internal components and IPX4 splash-proof design of the RC car.

5.2 Battery Care

- **Charging:** Use only the provided charging cable. Do not overcharge the batteries. Always supervise charging.
- **Disposal:** Dispose of old or damaged batteries responsibly according to local regulations.

5.3 Component Check

- **Shocks:** The car features 4 independent spring shock absorbers. Ensure they are clean and functioning smoothly to effectively absorb bumps.
- **Tires:** The anti-slip and wear-proof vacuum large tires provide strong grip. Check for punctures or excessive wear.
- **Chassis:** The professional-grade chassis includes nylon metal components. Periodically check for loose screws or damaged parts.

Independent Spring Shock absorber

The car body adopts 4 independent shock absorbers
Effectively alleviate the bumps caused by
small potholes on the road surface



Image 5.2: Independent spring shock absorbers for smooth operation.

Anti-Slip And Wear-Proof Vacuum Large Tire



Vacuum Tire



Concave Convex
Wheel Pattern



Wear-Proof



Strong Grip On
The Ground

Image 5.3: Anti-slip and wear-proof vacuum large tires.

6. TROUBLESHOOTING

If you encounter issues with your GoolRC WLtoys 164018 RC Car, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Car does not respond to remote.	Low batteries in car or remote; Not paired correctly; Out of range.	Charge/replace batteries; Re-pair the remote and car; Operate within 80m range.
Car runs slowly or lacks power.	Low car battery; Motor/drivetrain obstruction.	Charge car battery fully; Check for debris in wheels or gears.

Problem	Possible Cause	Solution
Car pulls to one side.	Steering trim needs adjustment; Damaged steering components.	Adjust steering fine-tuning on the remote; Inspect steering linkage for damage.
LED lights not working.	Loose connection; Damaged LED.	Check wiring connections; Contact support if damaged.

7. SPECIFICATIONS

Feature	Detail
Brand Name	GoolRC
Model Name	GoolRChvdzmcyw1t-11
Scale	1:16
Top Speed	35 KPH
Drive System	4WD
Remote Control Frequency	2.4GHz
Remote Control Range	Up to 80m / 262.47ft
Shell Material	High-Toughness PVC
Water Resistance	IPX4 Splash-Proof
Motor Type	390 Powerful Carbon Brush Motor
Steering Engine	5-Wire Steering Engine (Better Torque)
Shock Absorbers	4 Independent Spring Shock Absorbers
Tires	Anti-Slip and Wear-Proof Vacuum Large Tires
Dimensions	12.99 x 11.02 x 7.87 inches
Included Components	RC Car, Remote Controller, Charging Cable, Screwdriver, Fasteners, 2 Car Batteries, User Manual

5 Powerful Upgrades



390 Powerful Motor

Carbon Brush Motor



Better Torque

5-Wire Steering Engine



Brushless ESC

IPX4 Splash-proof ESC



Differential Mechanism

Upgrade Metal Material



Drive System

Upgrade Metal Material

Image 7.1: Key upgraded components of the RC car.

8. SAFETY INFORMATION

This product has no safety hazard to users when operated as intended and according to the instructions provided in this manual. Always exercise caution and common sense during operation.

- Do not operate the RC car near people, pets, or obstacles.
- Avoid operating in wet conditions beyond the IPX4 splash-proof rating.
- Keep fingers and loose clothing away from moving parts.
- Adult supervision is recommended for younger users.

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official GoolRC website. Keep your purchase receipt as proof of purchase.