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GoolRC WLtoys 104311 RC Car User Manual

1/10 Scale 4WD 2.4Ghz Remote Control Car, Brushed Motor Off-Road Crawler Car RTR

1. INTRODUCTION

Welcome to the world of GoolRC remote control vehicles! This manual provides essential information for operating and maintaining your new GoolRC WLtoys 104311 RC Car. This 1/10 scale 4WD off-road crawler is designed for both indoor and outdoor use, offering robust performance with its brushed motor and durable construction. Please read this manual thoroughly before first use to ensure safe operation and optimal performance.

2. WHAT'S IN THE BOX

Upon opening your GoolRC WLtoys 104311 package, you should find the following components:

- RC Car (WLtoys 104311)
- Remote Controller
- 7.4V 1200mAh Lipo Battery
- USB Charger
- Screwdriver
- User Manual (this document)



Image: Contents of the GoolRC WLtoys 104311 package, including the RC car, remote, battery, charger, and tools.

3. KEY FEATURES

The GoolRC WLtoys 104311 RC Car is engineered with several features to enhance your off-road experience:

- **2.4GHz 4WD Electric RC Off-Road Crawler:** This 1/10 scale model is designed for robust performance on various terrains.



Image: The GoolRC WLtoys 104311 RC Car and its remote control, highlighting its 4WD capability.

- **Antiskid Abrasion-Proof Rubber Tires:** Equipped with durable rubber tires for excellent grip and longevity.



ABOUT 104311

Structural design of front and rear Bridges

15KM/H

Double motor · Strong power

2.4GHz radio control

No need to assemble · Ready to run



Shock absorber



15Km/h



Dual-motor



Remote control



Ready to run

Image: The RC car demonstrating its ability to traverse uneven terrain, highlighting its tires and shock absorbers.

- **Shock Absorber Set:** Allows the car to navigate rugged terrain with ease, reducing impact and improving stability.

QUAKEPROOF

INDEPENDENT SUSPENSION SHOCK ABSORBERS

Four-wheel independent suspension system can effectively reduce vibration when driving the car, make the driving smooth, and effectively reduce impact force when encountering obstacles.



STORAGE RACK



SUSPENSION



TIRE



DIFFERENTIAL MECHANISM

Image: Detailed view of the RC car's independent suspension system, designed for shock absorption on rough surfaces.

- **Powerful Brushed Motor:** Achieves speeds of up to 15km/h, providing strong power for climbing and acceleration.

280 HIGH-POWER BRUSH MOTOR

Load two strong magneto, one before and one after, high horsepower output more easily.

- HIGH-POWER
- POWER TAKE-OFF
- STABILITY PERFORMANCE

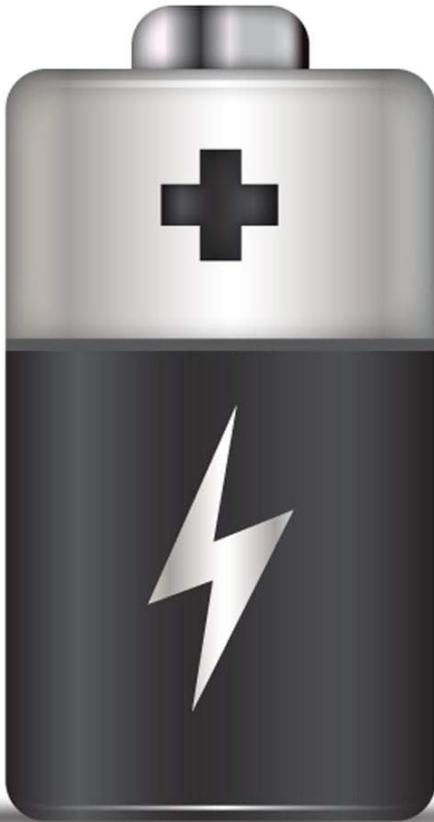


Image: The 280 high-power brushed motor, responsible for the RC car's speed and climbing ability.

- **Durable ABS Material and Stunning Appearance:** Constructed from robust ABS material with a beautifully painted finish.
- **7.4V 1200mAh High-Capacity Lipo Battery:** Provides approximately 30 minutes of driving time per charge.

30+
mins

USE TIME



Multiplier lithium ion battery

7.4V 1200mAh High capacity
lithium-ion battery

It adopts 7.4V1200mah lithium battery,has long service life, high and low temperature applicability, and is environmentally friendly. It does not contain any lead, mercury, cadmium and other toxic and harmful heavy metal elements and substances, regardless of production, use and scrap.

Image: Illustration of the 7.4V 1200mAh lithium-ion battery, emphasizing its long service life and environmental safety.

- **LED Searchlight:** Enhances visibility for night driving and adds to the realistic appearance.

LED SEARCHLIGHT

which is to make the flight at night conveniently and make the aircraft more interesting. LED searchlight which is to make the drive at night conveniently and make the aircraft more interesting.



Image: The RC car's LED searchlights providing illumination for driving in low-light conditions.

Feature Overview Video

Your browser does not support the video tag.

Video: An overview of the WLtoys 104311 RC Car in action, demonstrating its off-road capabilities and features.

4. SETUP GUIDE

4.1 Battery Installation (RC Car)

1. Ensure the RC car's power switch is in the "OFF" position.
2. Locate the battery compartment on the underside of the car.
3. Open the battery compartment cover.
4. Connect the 7.4V 1200mAh Lipo battery to the car's power connector, ensuring correct polarity.
5. Carefully place the battery inside the compartment and close the cover securely.

4.2 Remote Controller Setup

1. Locate the battery compartment on the back of the remote controller.
2. Insert 3x AA batteries (not included) into the compartment, observing the correct polarity (+/-).
3. Close the battery compartment cover.
4. Turn on the remote controller using the power switch. The power light should illuminate.



Image: The remote controller, detailing its various controls and battery compartment location.

4.3 Pairing the RC Car and Remote

The RC car and remote controller are typically pre-paired from the factory. If re-pairing is needed:

1. Turn on the RC car.
2. Turn on the remote controller.
3. The indicator light on the remote should blink and then become solid, indicating a successful connection.
4. If the connection fails, turn off both devices and repeat the steps. Ensure no other 2.4GHz devices are causing interference.

5. OPERATING INSTRUCTIONS

5.1 Basic Controls

- **Throttle Trigger:** Pull the trigger to move forward. Push the trigger to brake or reverse.
- **Steering Wheel:** Rotate the wheel left or right to steer the car.

- **Power Switch (Remote):** Turns the remote controller ON/OFF.
- **Power Light (Remote):** Indicates the remote's power status and connection.

5.2 Driving Tips

- Always operate the RC car in an open area free from obstacles, people, and pets.
- Avoid driving in wet conditions or through deep puddles to prevent damage to electronics.
- Start with slow movements to get accustomed to the controls before attempting higher speeds or complex maneuvers.
- The 4WD system and high ground clearance make this car ideal for off-road terrains like dirt, gravel, and grass.
- For optimal performance, ensure the battery is fully charged before each use.

6. MAINTENANCE

6.1 Cleaning

- After each use, especially after driving in dusty or dirty conditions, clean the car.
- Use a soft brush or compressed air to remove dirt and debris from the chassis, wheels, and suspension components.
- Wipe the body with a damp cloth. Do not use harsh chemicals or solvents.

6.2 Battery Care

- Always use the provided USB charger for the 7.4V 1200mAh Lipo battery.
- Do not overcharge or over-discharge the battery. Disconnect the charger once charging is complete.
- Store the battery in a cool, dry place away from direct sunlight and extreme temperatures.
- If storing for an extended period, charge the battery to approximately 50% capacity.

6.3 General Inspection

- Regularly check all screws and fasteners to ensure they are tight.
- Inspect the tires for wear and tear.
- Ensure the suspension components move freely and are not obstructed by debris.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Car does not respond to remote.	<ul style="list-style-type: none"> • Low battery in car or remote. • Not paired correctly. • Interference. 	<ul style="list-style-type: none"> • Charge car battery; replace remote batteries. • Re-pair car and remote (see Section 4.3). • Move to an area with less interference.
Car runs slowly or lacks power.	<ul style="list-style-type: none"> • Low car battery. • Motor or drivetrain obstruction. 	<ul style="list-style-type: none"> • Fully charge car battery. • Check for debris in wheels or gears.

Problem	Possible Cause	Solution
Steering is not straight.	<ul style="list-style-type: none"> Steering trim adjustment needed. Damage to steering components. 	<ul style="list-style-type: none"> Adjust steering trim on the remote controller. Inspect steering linkages for damage.

8. SPECIFICATIONS

Feature	Detail
Brand	GoolRC
Model	WLtoys 104311
Scale	1/10
Drive System	4WD
Motor Type	Brushed Motor (280 high-power)
Max Speed	15km/h
Remote Control Frequency	2.4Ghz
Battery	7.4V 1200mAh Lipo Battery
Approx. Driving Time	30 minutes
Material	ABS
Item Weight	7.43 pounds
Package Dimensions	21 x 11.2 x 11 inches
Manufacturer Recommended Age	14 years and up

9. WARRANTY AND SUPPORT

For warranty information and 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 for any warranty claims.

You can also visit the [GoolRC Store on Amazon](#) for more product information and support resources.