GoolRC 124018

GoolRC WLtoys 124018 RC Car Instruction Manual

Model: 124018

1. INTRODUCTION

This manual provides comprehensive instructions for the safe and efficient operation, setup, maintenance, and troubleshooting of your GoolRC WLtoys 124018 1/12 Scale 2.4GHz 4WD Remote Control Car. Please read this manual thoroughly before using the product to ensure proper function and longevity.

1.1 What's in the Box

- 1 x GoolRC WLtoys 124018 RC Car

- 1 x Remote Controller

- 2 x Lithium Ion Batteries (7.4V 2200mAh)

- 1 x USB Charging Cable

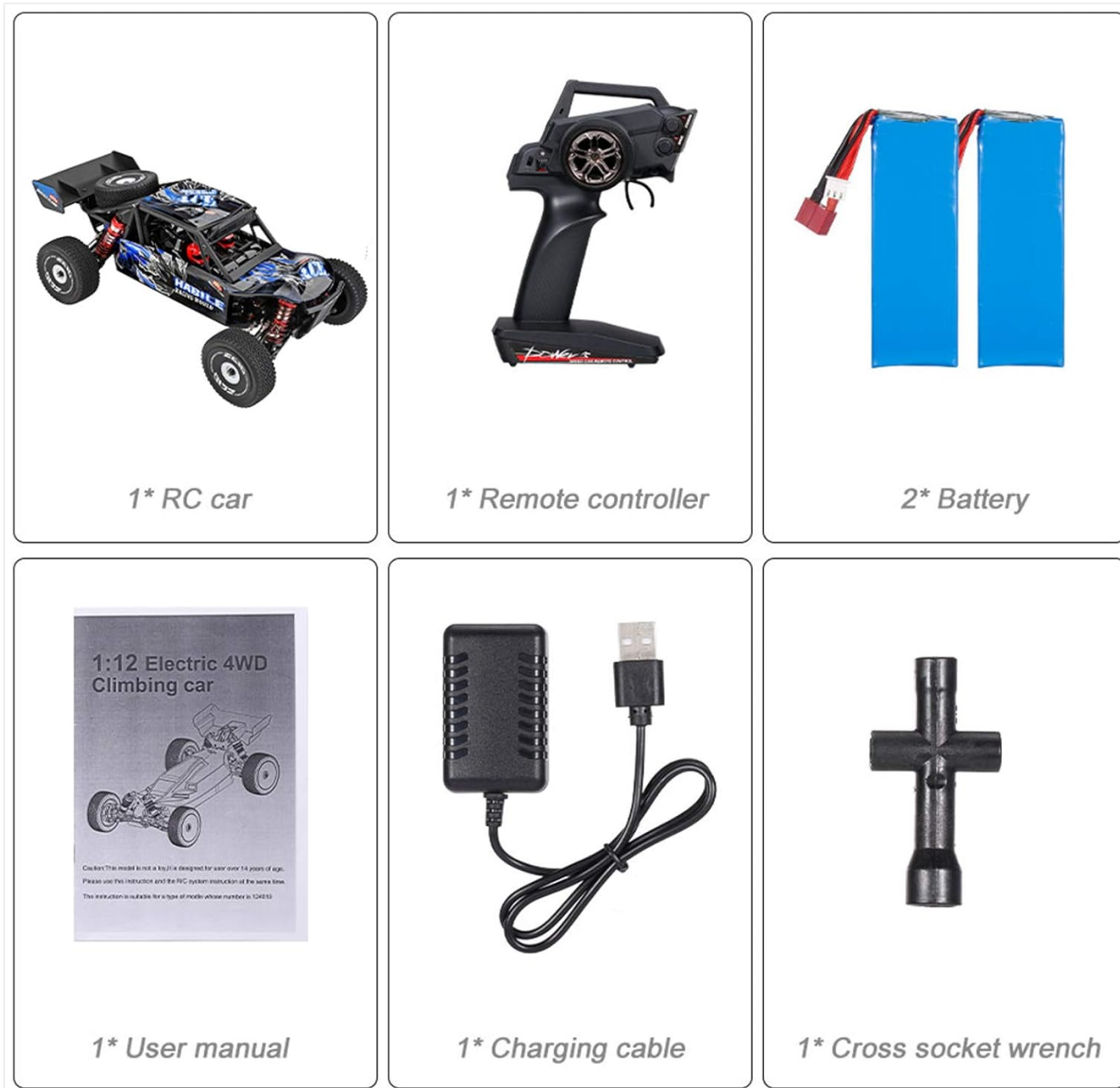- 1 x Cross Socket Wrench

- 1 x User Manual

Figure 1.1: Included components in the product package.

2. PRODUCT FEATURES

The GoolRC WLtoys 124018 RC Car is engineered for high performance and durability across various terrains. Key features include:

- **High-Speed Performance:** Equipped with a powerful, high-efficiency strong magnetic motor, enabling speeds up to 60km/h.
- **2.4GHz Remote Control System:** Offers anti-jamming capabilities and a control distance of up to 100 meters, allowing multiple cars to operate simultaneously without interference.
- **Durable Construction:** Features a high-strength aluminum alloy chassis and zinc alloy gears for enhanced stability and wear resistance.
- **All-Terrain Capability:** Hardware hydraulic shock absorbers adapt to diverse terrains, providing strong power torque for navigating beaches, snow, grass, mountain roads, and rocky paths.
- **Impact Resistance:** The main body is constructed from alloy material, ensuring strong collision resistance and a shockproof design, complemented by crash-proof bumpers at the front and rear.

Figure 2.1: The GoolRC WLtoys 124018 RC Car.

Figure 2.2: Bottom view with labeled components.

Figure 2.3: Powerful magnetic motor.

Figure 2.4: Hardware hydraulic shock absorber.

Figure 2.5: Aluminum alloy chassis.

Figure 2.6: Zinc alloy gear diagram.

3. SETUP

3.1 Charging the Battery

1. Connect the provided USB charging cable to the battery.
2. Plug the USB end of the charging cable into a compatible USB power adapter (e.g., phone charger, computer USB port).
3. The indicator light on the charging cable will show the charging status. Refer to the charging cable's specific instructions for light indications (usually red for charging, off or green for fully charged).
4. Charging typically takes approximately 3 hours. Do not overcharge the battery.

3.2 Installing Batteries

3.2.1 RC Car Battery Installation

1. Carefully remove the car's body shell to access the battery compartment.
2. Place the charged Lithium Ion battery into the designated battery tray.
3. Connect the battery connector to the car's power port. Ensure the connection is secure.
4. Replace the car's body shell, ensuring it is properly secured.

3.2.2 Remote Controller Battery Installation

1. Open the battery cover on the back of the remote controller.
2. Insert 4 AA batteries (not included) into the compartment, observing the correct polarity (+/-).
3. Close the battery cover securely.

4. OPERATING INSTRUCTIONS

4.1 Remote Controller Overview

Figure 4.1: Remote Controller Functions.

- **Power ON/OFF:** Switch to turn the controller on or off.
- **Power Indicator:** Light indicating the controller's power status.
- **Steer Wheel:** Rotate left or right to control the car's steering.
- **Forward/Backward Trigger:** Pull to move forward, push to move backward.
- **Steering Trim:** Adjusts the steering to ensure the car drives straight when the steering wheel is centered.
- **Speed Trim:** Adjusts the maximum speed output of the car.
- **Mode:** (If applicable) Selects different driving modes.

4.2 Pairing the RC Car and Remote Controller

1. Ensure both the RC car and the remote controller have fresh or fully charged batteries installed.
2. Turn on the RC car first. The car's indicator light may flash.
3. Turn on the remote controller. The controller's indicator light will flash and then become solid, indicating a successful pairing.
4. If pairing fails, turn off both devices and repeat the steps.

4.3 Driving the RC Car

1. Place the car on a flat surface.
2. Use the steering wheel to control direction (left/right).
3. Use the trigger to control speed and movement (pull for forward, push for reverse/brake).
4. Adjust the steering trim if the car does not drive in a straight line.
5. Adjust the speed trim to match your driving skill level or desired speed.

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Video 4.1: Demonstration of the GoolRC WLtoys 124018 RC Car's performance on various terrains, including sand dunes, showcasing its speed and maneuverability.

5. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your RC car.

5.1 Cleaning

- After each use, especially in dusty or dirty conditions, clean the car with a soft brush or compressed air to remove dirt and debris.
- Wipe the body with a soft, damp cloth. Avoid using harsh chemicals or solvents.
- Ensure no water enters the electronic components.

5.2 Storage

- Store the RC car and remote controller in a cool, dry place away from direct sunlight and extreme temperatures.

- Remove batteries from both the car and the remote controller if storing for extended periods to prevent leakage.

5.3 Component Checks

- Periodically inspect all screws and fasteners to ensure they are tight.
- Check the gears for wear and tear. Lubricate moving parts as needed with RC-specific grease.
- Inspect the shock absorbers for proper function and any signs of leakage.
- Examine the tires for damage and ensure they are securely attached.

6. TROUBLESHOOTING

Refer to the table below for common issues and their solutions.

Problem	Possible Cause	Solution
Car does not respond to remote.	Low battery in car or remote; Not paired; Power switch off.	Charge/replace batteries; Re-pair car and remote; Turn on power switches.
Car drives slowly or lacks power.	Low car battery; Motor/gear issue; Speed trim set too low.	Charge car battery; Inspect motor/gears for damage/debris; Adjust speed trim.
Car does not drive straight.	Steering trim needs adjustment; Damaged steering components.	Adjust steering trim on remote; Inspect steering linkages and servo.
Unusual noise from car.	Debris in gears; Damaged gears or motor.	Clean gears; Inspect for damaged parts and replace if necessary.

7. SPECIFICATIONS

Feature	Detail
Model Number	124018
Brand	GoolRC
Scale	1:12
Drive System	4WD
Max Speed	Up to 60km/h
Remote Frequency	2.4GHz
Control Distance	Up to 100 meters
Motor Type	Strong Magnetic Motor
Chassis Material	Aluminum Alloy
Gear Material	Zinc Alloy
Shock Absorbers	Hardware Hydraulic
Car Battery	7.4V 2200mAh Lithium Ion (2 included)

Feature	Detail
Remote Battery	4 x AA Batteries (not included)
Product Dimensions	17.91 x 8.86 x 5.71 inches (45.5 x 22.5 x 14.5 cm)
Item Weight	5.74 pounds (2.6 kg)
Recommended Age	14 years and up

Figure 7.1: Product Dimensions.

8. SAFETY INFORMATION

Please observe the following safety precautions to prevent injury or damage to the product:

- This product is recommended for users aged 14 and above. Adult supervision is advised for younger users.
- Always operate the RC car in open areas, away from people, pets, and obstacles.
- Do not operate near roads, water, or high-voltage power lines.
- Never touch the moving parts of the car (wheels, gears, motor) during operation.
- Turn off the car and remote controller when not in use.
- Do not expose batteries to fire, water, or extreme temperatures.
- Use only the provided charging cable and original batteries.
- If the car becomes stuck or overheats, turn it off immediately and allow it to cool down before resuming operation.
- Avoid operating in wet conditions to prevent damage to electronic components.

9. 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.