

[Manuals.plus](#) /

› [WLtoys](#) /

› WLtoys 12427 2B High-Speed RC Car Instruction Manual

WLtoys 12427 2B

WLtoys 12427 2B High-Speed RC Car Instruction Manual

Model: 12427 2B

1. INTRODUCTION

Thank you for purchasing the WLtoys 12427 2B High-Speed RC Car. This 1/12 scale 4WD remote control vehicle is designed for off-road performance, reaching speeds up to 50km/h. This manual provides essential information for the proper setup, operation, maintenance, and troubleshooting of your RC car. Please read this manual thoroughly before operating the vehicle to ensure safe and optimal performance.



— 1/12TH SCALE ELECTRIC CAR —
4WD CROSS-COUNTRY MAX VELOCITY 50 KM/H



2.4GHZ



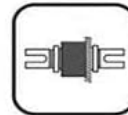
High speed
driving



Shock
Absorber



Waterproof



Differential



Max speed



LED Light

LED light not only makes night flight much easier, but also makes the car look more attractive



TOP Speed

The top speed of the car is up to 50 kilometre, both the ture car and can be comparable

Figure 1: WLtoys 12427 2B RC Car. This image displays the overall design of the RC car, highlighting its sturdy frame and large wheels.



Figure 2: Key Features. This infographic illustrates the main technical features of the RC car, including its 2.4GHz control, high-speed capability, shock absorption, waterproof design, differential system, and maximum speed.

2. WHAT'S IN THE BOX

Please check the contents of your package to ensure all items are present:

- WLtoys 12427 2B RC Car
- 2.4Ghz Remote Transmitter (requires 2xAA batteries, not included)
- 7.4V 1500mAh Li Battery
- Charger
- Product Manual
- Tools (e.g., wrench, screwdriver)

3. SPECIFICATIONS

Feature	Detail
---------	--------

Model Number	QD-12427 2B
Scale	1/12
Max. Speed	50km/h
Power System Motor	540 Brushed Motor
Transmitter Frequency	2.4 GHz
Transmitter Battery	2xAA battery (not included)
Car Battery	7.4V 1500mAh Li Battery
Running Time	About 10 minutes
Charging Time	About 3 hours
Control Distance	Around 100m
Drive System	4 Wheel Drive (4WD)
Product Dimensions	42 x 24.5 x 18 cm (16.5 x 9.6 x 7.1 inches)
Item Weight	6.6 pounds
Manufacturer Recommended Age	14 years and up

4. SETUP

4.1 Charging the Car Battery

1. Connect the 7.4V 1500mAh Li battery to the provided charger.
2. Plug the charger into a suitable power outlet.
3. The charging indicator light on the charger will show the charging status (refer to charger manual for specific light indications).
4. Charging typically takes approximately 3 hours. Do not overcharge the battery.
5. Once fully charged, disconnect the battery from the charger.

4.2 Installing Transmitter Batteries

1. Open the battery compartment on the back of the 2.4Ghz remote transmitter.
2. Insert 2 AA batteries (not included) into the compartment, ensuring correct polarity.
3. Close the battery compartment securely.

4.3 Powering On and Pairing

1. Ensure the car battery is fully charged and securely connected to the car's power port.
2. Turn on the RC car's power switch. The car's indicator light will flash.
3. Turn on the remote transmitter. The transmitter's indicator light will flash.
4. Wait a few seconds for the car and transmitter to automatically pair. Once paired, both indicator lights will become solid.
5. If pairing fails, turn off both the car and transmitter, then repeat steps 2-4.

5. OPERATING THE RC CAR

The WLtoys 12427 2B is designed for dynamic off-road driving. Familiarize yourself with the controls before high-speed operation.

5.1 Basic Controls

- **Throttle Trigger:** Pull to move forward, push to brake/reverse.
- **Steering Wheel:** Turn left to steer left, turn right to steer right.
- **Trim Adjustments:** Use the trim dials on the transmitter to fine-tune steering and throttle for straight driving.

5.2 Driving Tips

- **Off-Road Performance:** The 4WD system and independent shock absorbers provide excellent traction and stability on rugged terrain.
- **High Speed:** The powerful 540 brushed motor allows speeds up to 50km/h. Operate in open areas free from obstacles.
- **LED Lights:** The integrated LED lights enhance visibility during low-light conditions, allowing for night mode operation.
- **Control Distance:** Maintain operation within approximately 100 meters for optimal control.
- **Battery Endurance:** The 7.4V 1500mAh Li-ion battery provides about 10 minutes of running time. Consider having spare batteries for extended play.

Cross-country Climbing Car

- Powerful 540 motor
- Shock Absorber
- Free turn
- Cool Appearance



Figure 3: Cross-Country Climbing. The RC car demonstrates its capability to navigate challenging rocky terrain, showcasing its powerful 540 motor and effective shock absorbers.

INDEPENDENT SUSPENSION SYSTEM

Four-wheel independent suspension system with good elasticity, good shock absorption effect and driving smoother



Figure 4: Independent Suspension. This image highlights the four-wheel independent suspension system, designed for good elasticity and shock absorption, contributing to smoother driving.

Your browser does not support the video tag.

Video 1: WLtoys 12427 RC Car in Action. This video demonstrates the RC car's performance in various terrains, including sand and mud, showcasing its speed, climbing ability, and waterproof features.

6. MAINTENANCE

Regular maintenance will extend the life and performance of your RC car.

- **Cleaning:** After each use, especially after driving in mud or water, clean the car thoroughly to remove dirt and debris. Use a soft brush and a damp cloth. Avoid using harsh chemicals.
- **Tire Care:** The composite rubber tires are removable. Inspect them regularly for wear and tear. Ensure they are free from embedded objects.
- **Shock Absorbers:** Check the independent horizontal shock absorber suspension system for any damage or leaks. Keep them clean for optimal performance.
- **Motor Cooling:** The RC390 motor features an all-aluminum heat sink. Ensure it remains clear of obstructions to prevent overheating.

- **Battery Storage:** Store the Li battery in a cool, dry place, away from direct sunlight and extreme temperatures. Do not store fully charged or fully discharged for long periods.



Brush motor

/ The operating principle and elementary structure of the bench measurement system for electric power-assisted steering are introduced

Figure 5: Waterproof Operation. The RC car is shown driving through water, illustrating its good water resistance and ability to handle wet conditions.

7. TROUBLESHOOTING

If you encounter issues, refer to the following common problems and solutions:

- **Car not responding:**
 - Check if the car and transmitter batteries are fully charged and correctly installed.
 - Ensure the car and transmitter are properly paired.
 - Verify that the car's power switch is ON.
- **Short running time:**
 - Ensure the battery is fully charged before use.
 - Battery performance can decrease over time; consider replacing old batteries.
- **Poor control range:**
 - Ensure no strong interference sources (e.g., other 2.4GHz devices) are nearby.
 - Check if the transmitter batteries are low.

- **Car not driving straight:**

- Adjust the steering trim on the transmitter.
- Inspect the steering components for damage or obstructions.

8. SAFETY GUIDELINES

To prevent injury or damage, always follow these safety precautions:

- **Age Recommendation:** This product is recommended for users 14 years and up. Adult supervision is advised for younger users.
- **Operating Environment:** Operate the RC car in open areas, away from people, pets, vehicles, and water bodies (unless specifically designed for water, like this model, but still exercise caution).
- **Battery Safety:** Use only the provided charger and battery. Do not puncture, heat, or disassemble batteries. Dispose of batteries responsibly.
- **Avoid Obstacles:** Do not drive the car into walls, furniture, or other hard objects, as this can cause damage to the car and surroundings.
- **Supervision:** Always supervise children when they are operating the RC car.
- **Modifications:** Do not modify the car or its components, as this may void the warranty and create safety hazards.

9. WARRANTY AND SUPPORT

For warranty information, technical support, or replacement parts, please contact your retailer or the manufacturer directly. Keep your purchase receipt as proof of purchase.