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GoolRC 124017

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1:12 Scale 2.4GHz Off-Road Buggy Drift Car RTR

1. PRODUCT OVERVIEW

The GoolRC WLtoys 124017 RC Car is a high-performance 1:12 scale remote control buggy designed for off-road adventures. Featuring a powerful brushless motor, durable metal chassis, and 2.4GHz radio system, it offers exceptional speed and control across various terrains. This manual provides essential information for setting up, operating, and maintaining your RC car to ensure optimal performance and longevity.



Figure 1: GoolRC WLtoys 124017 RC Car with remote controller and accessories.

2. WHAT'S IN THE BOX

Verify that all components are present upon unboxing:

- 1x RC Car
- 1x Remote Controller
- 1x Car Battery (7.4V 2200mAh Lithium Ion)
- 1x Charging Cable
- 1x Small Cross Sleeve
- 1x User Manual (this document)

3. SETUP

3.1 Charging the Car Battery

The included 7.4V 2200mAh Lithium Ion battery requires charging before first use. A full charge takes approximately 3 hours and provides about 8 minutes of operation time.

1. Connect the charging cable to the car battery.
2. Plug the USB end of the charging cable into a suitable USB power adapter (not included, e.g., phone charger, computer USB port).
3. The indicator light on the charging cable will show the charging status (refer to charger's specific instructions if available).
4. Once fully charged, disconnect the battery from the charger.

Caution: Do not overcharge the battery. Always supervise charging and disconnect once complete.

3.2 Installing Batteries in the Remote Controller

The remote controller requires 4x AA batteries (not included).

1. Locate the battery compartment on the back of the remote controller.
2. Open the battery cover.
3. Insert 4x AA batteries, ensuring correct polarity (+/-).
4. Close the battery cover securely.

2.4G Remote Control:



Figure 2: Remote Control features including power switch, throttle trigger, and steering regulating wheel.

3.3 Installing the Car Battery

1. Remove the car body shell by detaching the body clips.
2. Locate the battery compartment on the chassis.
3. Carefully insert the charged battery into the compartment.
4. Connect the battery connector to the car's ESC (Electronic Speed Controller) connector. Ensure a secure connection.
5. Replace the car body shell and secure it with the body clips.

4. OPERATING INSTRUCTIONS

4.1 Powering On and Pairing

1. Turn on the remote controller first. The power LED should illuminate.
2. Turn on the RC car by pressing its power switch.

3. The car and remote should automatically pair. If not, turn both off and repeat the process.

4.2 Basic Controls

- **Throttle Trigger:** Pull the trigger to move forward, push it to brake or reverse.
- **Steering Regulating Wheel:** Turn the wheel left or right to steer the car.
- **ST. TRIM:** Adjusts the steering trim to ensure the car drives straight when the steering wheel is centered.
- **TH. D/R (Throttle Dual Rate):** Adjusts the maximum throttle output. Lowering this can make the car easier to control for beginners.

The 2.4GHz radio system provides a control distance of up to 120 meters and anti-jamming capability, allowing multiple cars to race simultaneously.

4.3 Driving Tips and Terrain Adaptability

This RC car is designed to conquer various terrains, including beaches, snow, grass, mountain roads, and rock roads, thanks to its hardware oil shock absorbers and metal chassis.

- Start in an open area free from obstacles and people.
- Begin with slow speeds to get accustomed to the controls before attempting high-speed maneuvers.
- Avoid driving in deep water or extremely muddy conditions to prevent damage to electronic components.
- Be mindful of battery life; performance will decrease as the battery drains.



Figure 3: The RC car demonstrating its powerful output and ability to handle sandy terrains.

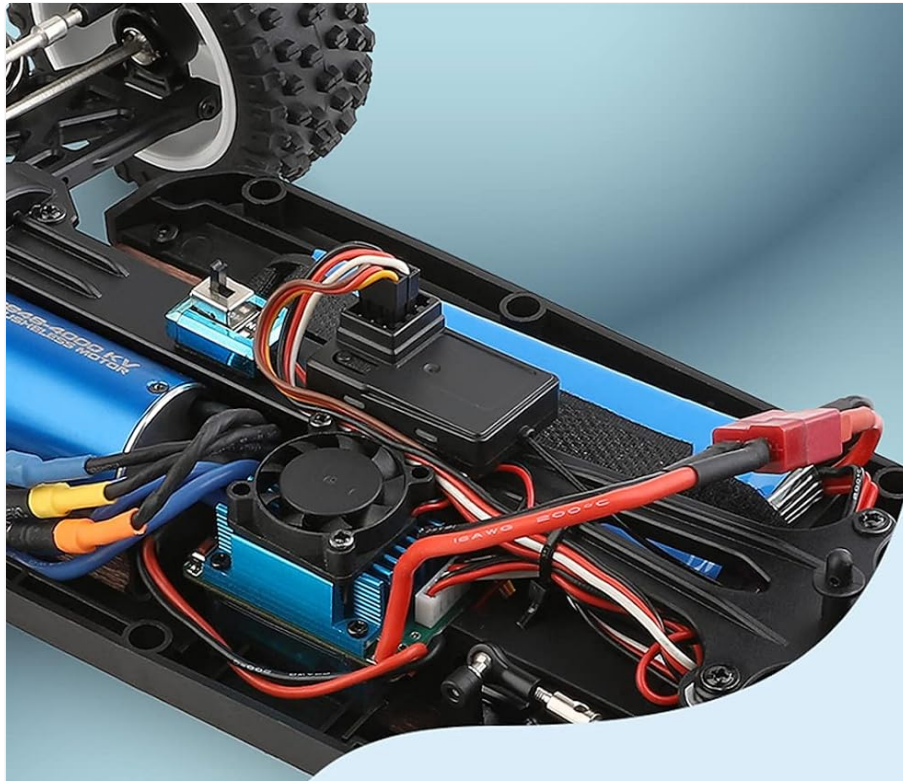
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Video 1: Official demonstration of the WLtoys 124017 RC Car's speed and off-road capabilities.

5. MAINTENANCE

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

- **Cleaning:** After each use, especially in dusty or sandy conditions, clean the car with a soft brush or compressed air to remove dirt and debris from moving parts, motor, and chassis.
- **Battery Care:** Store batteries in a cool, dry place. Do not store fully charged or completely depleted for long periods. For long-term storage, charge to approximately 50%.
- **Component Inspection:** Regularly check screws, nuts, and linkages for looseness. Tighten as necessary. Inspect the shock absorbers for leaks and the tires for wear.
- **Motor and ESC:** Ensure the brushless motor and ESC (Electronic Speed Controller) are free from obstructions and have adequate ventilation.

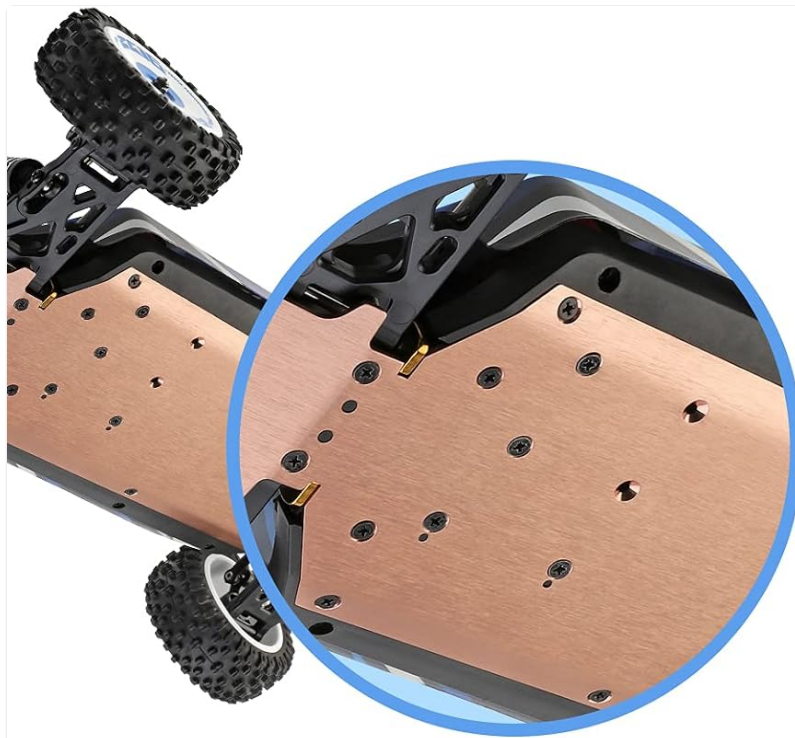


BRUSHLESS MOTOR

Using brushless motor, fast speed, high efficiency, speed up to 75Km/h. High quality motor to make horsepower more powerful, faster than the same type of car.

**INDEPENDENT 60A ELECTRIC MODULATION • INDEPENDENT RECEIVER • INDEPENDENT STEERING GEAR
GOOD PERFORMANCE • STABLE SIGNAL • FLEXIBLE CONTROL**

Figure 4: View of the brushless motor and internal electronics, highlighting the cooling fan.



4WD

4X4 OFF ROAD

ALL-METAL CHASSIS

With a cool appearance and an all-metal chassis, this exquisite workmanship gives you a different experience.

ALL-METAL CHASSIS

Figure 5: The robust all-metal chassis providing durability and stability.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Car does not respond to remote.	Low battery in car or remote; not paired; power switch off.	Charge car battery, replace remote batteries, ensure both are powered on and paired correctly.
Reduced speed or short run time.	Battery not fully charged; battery degradation; motor overheating.	Ensure battery is fully charged. Allow motor to cool down between runs. Consider replacing old batteries.
Car pulls to one side.	Steering trim needs adjustment; damaged steering components.	Adjust ST. TRIM on the remote. Inspect steering linkages and servo for damage.
Unusual noises or vibrations.	Loose screws; damaged gears; debris in drivetrain.	Inspect all visible components for looseness or damage. Clean out any debris.
Suspension issues (e.g., car not absorbing bumps).	Damaged shock absorbers; broken suspension arms.	Inspect shock absorbers and suspension arms for damage. Replace if necessary.

7. SPECIFICATIONS

Feature	Detail
Model Number	124017
Scale	1:12
Motor Type	Brushless Motor
Max Speed	Up to 75km/h
Control Frequency	2.4GHz
Control Distance	Up to 120 meters
Drive System	4WD (Four-Wheel Drive)
Chassis Material	Metal Chassis
Shock Absorbers	Hardware Oil Shock Absorbers
Battery	7.4V 2200mAh Lithium Ion (included)
Charging Time	Approx. 180 minutes (3 hours)
Operating Time	Approx. 8 minutes
Recommended Age	14 years and up
Item Weight	4.42 pounds
Package Dimensions	15 x 9 x 7.5 inches



Figure 6: Detailed product information including dimensions and specifications.

8. WARRANTY AND SUPPORT

GoolRC stands behind the quality of its products. If you encounter any problems with your WLtoys 124017 RC Car, please contact our store or customer support team in a timely manner. We are committed to providing a satisfactory solution.

For support, please refer to the contact information provided at the point of purchase or visit the official GoolRC store online.

Online Store: [GoolRC Amazon Store](#)

