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- › [GoolRC](#) /
- › [GoolRC WLtoys K989 1:28 Scale 4WD RC Racing Car Instruction Manual](#)

GoolRC K989

GoolRC WLtoys K989 1:28 Scale 4WD RC Racing Car Instruction Manual

Model: K989



1. INTRODUCTION

This manual provides detailed instructions for the safe operation, setup, maintenance, and troubleshooting of your GoolRC WLtoys K989 1:28 Scale 4WD RC Racing Car. Please read this manual thoroughly before operating the vehicle to ensure proper function and longevity.

2. SAFETY PRECAUTIONS

- Always operate the RC car in open areas, away from people, pets, and obstacles.
- Do not operate near public roads, water, or high-voltage lines.
- Keep fingers, hair, and loose clothing away from moving parts.
- Adult supervision is recommended for users under 14 years of age.
- Ensure the battery is fully charged before each use and disconnect it when not in use.
- Do not attempt to modify the vehicle or its components, as this may void the warranty and cause damage.
- Store the RC car and its components in a dry, cool place.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1 x GoolRC WLtoys K989 RC Car
- 1 x 2.4GHz Transmitter (Remote Control)
- 1 x Lithium Ion Battery (7.4V 400mAh)
- 1 x USB Charger
- Fittings (e.g., spare gears, tools)
- 1 x Instruction Manual (this document)

GoolRC WLtoys K989

RC Racing Car



Image: Contents of the GoolRC WLtoys K989 RC Car package, showing the car, remote control, USB charger, battery, and instruction manual.

4. PRODUCT OVERVIEW

The GoolRC WLtoys K989 is a 1:28 scale 4WD RC racing car designed for high-speed performance and drifting. It features a durable metal chassis and a high-quality PC material car shell for resilience against impacts.

4.1 Key Features

- **2.4GHz Transmitter:** Provides interference-free control up to approximately 100 meters.
- **High Speed:** Capable of reaching speeds up to 30 KM/H.
- **4WD System:** Equipped with a four-wheel independent suspension system for improved handling and shock absorption.
- **Durable Construction:** Features a metal chassis and a flexible, explosion-proof PC car shell.
- **Rechargeable Battery:** 7.4V 400mAh Lithium Ion battery provides approximately 30 minutes of playtime.

4.2 Component Identification

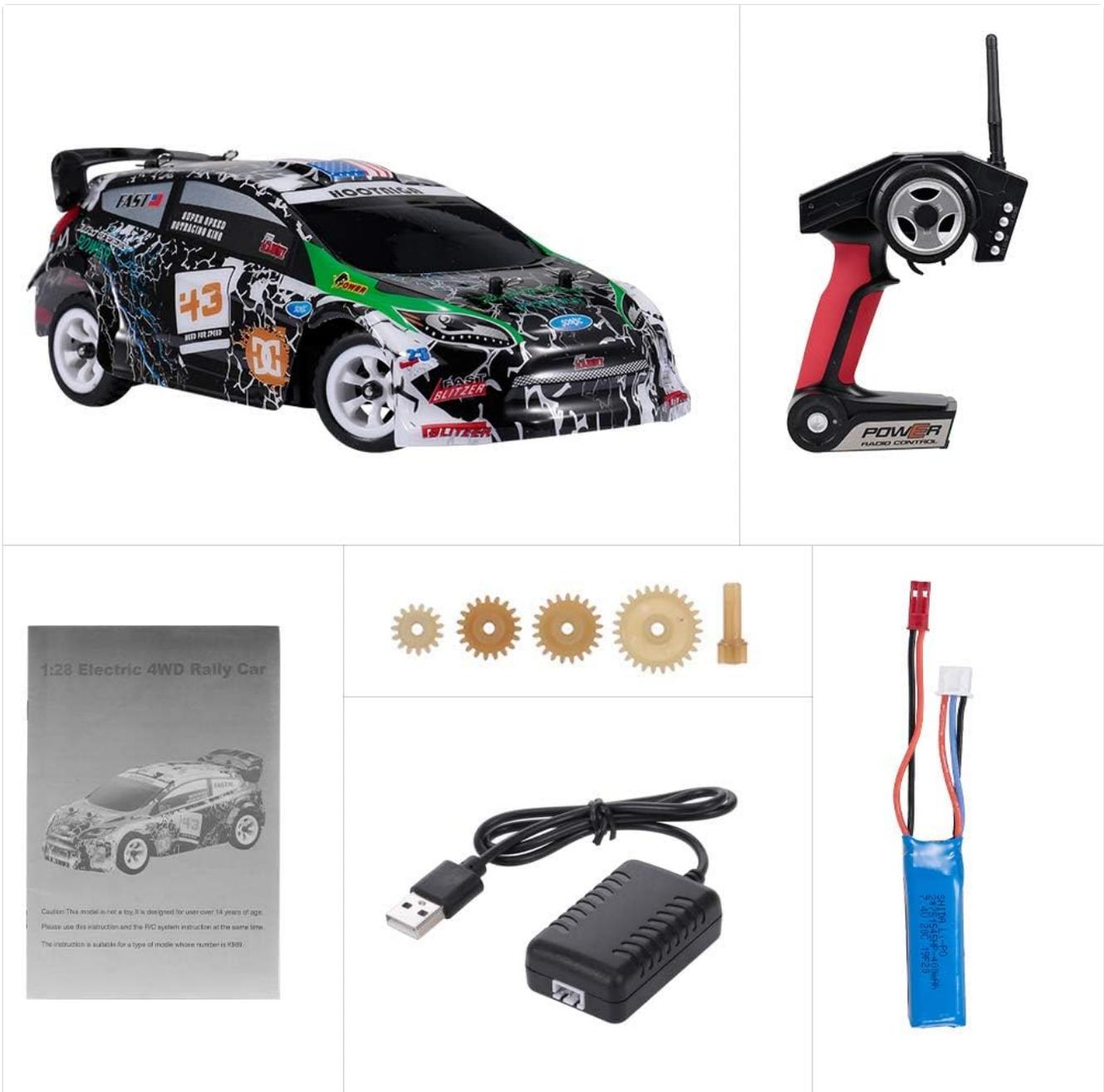


Image: Labeled diagram of the RC car's internal components, including the motor, receiver, shock absorber, battery, bumper, and power switch.

Refer to the image above for the location of key components:

- **Motor:** Powers the vehicle.
- **Receiver:** Processes signals from the transmitter.
- **Shock Absorber:** Provides suspension for smooth operation.
- **Battery:** Rechargeable power source.
- **Bumper:** Front protection for impacts.
- **Switch:** Power on/off for the car.



Image: The GoolRC WLtoys K989 RC Car shown alongside its 2.4GHz remote control.

5. SETUP

5.1 Charging the Battery

1. Connect the Lithium Ion battery to the provided USB charger.
2. Plug the USB charger into a compatible USB power source (e.g., computer, USB wall adapter).
3. The indicator light on the charger will show the charging status (refer to charger instructions for specific light patterns).
4. Charging typically takes approximately 1.5 hours. Do not overcharge the battery.
5. Once charging is complete, disconnect the battery from the charger.



EXPLOSION-PROOF SHELL

High toughness, not easy to break under pressure and bending, good anti-drop and anti-collision effect

METAL CHASSIS

Metal chassis, sturdy and durable, protects the car and with longer service life

Image: A detailed view of the high-capacity 7.4V 400mAh battery and the racing tires, highlighting their features.

5.2 Installing Batteries in the Transmitter

1. Open the battery compartment on the back of the transmitter.
2. Insert the required batteries (usually AA, check the transmitter for markings) ensuring correct polarity.
3. Close the battery compartment securely.

5.3 Installing the Car Battery

1. Carefully remove the car shell to access the battery compartment.
2. Connect the fully charged Lithium Ion battery to the car's power connector.
3. Place the battery securely within its compartment.
4. Reattach the car shell.

5.4 Binding the Transmitter and Car

The car and transmitter are usually pre-bound from the factory. If re-binding is necessary:

1. Turn on the RC car. The indicator light on the receiver may flash.

2. Turn on the transmitter.
3. The indicator lights on both the car and transmitter should become solid, indicating a successful connection.
4. If binding fails, turn off both devices and repeat the process.

6. OPERATING INSTRUCTIONS

6.1 Basic Controls



Image: Diagram illustrating the functions of the 2.4GHz transmitter, including the steering wheel, throttle trigger, and trim adjustments.

- **Throttle Trigger:** Pull to move forward, push to brake/reverse.
- **Steering Wheel:** Turn left or right to steer the car.
- **Steering Trim:** Adjusts the neutral position of the steering. If the car pulls to one side, adjust this dial until it drives straight.
- **Forward/Backward Trim:** Adjusts the neutral position of the throttle.

6.2 Driving Tips

- Start slowly to get accustomed to the controls before attempting high speeds.
- Practice steering and throttle control in an open, flat area.
- The car is designed for racing and drifting. Experiment with steering and throttle input to initiate drifts.
- Avoid driving on wet surfaces or through puddles to prevent damage to electronic components.
- Monitor battery life and return the car for charging when power diminishes.



Image: The Go!RC WLtoys K989 RC Car positioned on an asphalt surface, demonstrating its readiness for high-speed operation.

7. MAINTENANCE

- **Cleaning:** After each use, gently clean the car to remove dirt, dust, and debris. Use a soft brush or cloth. Avoid water or harsh chemicals on electronic parts.
- **Battery Care:** Always disconnect the battery after use. If storing for extended periods, charge the battery to approximately 50% capacity. Do not store fully charged or fully discharged.
- **Inspecting Components:** Regularly check wheels, suspension, and chassis for any damage, loose screws, or wear. Replace damaged parts as needed.
- **Lubrication:** Periodically apply a small amount of RC-safe lubricant to moving parts like gears and bearings to ensure smooth operation and reduce wear.
- **Storage:** Store the car and transmitter in a cool, dry place, away from direct sunlight and extreme temperatures.



Image: A detailed view highlighting the durable metal chassis and the flexible, explosion-proof PC material shell of the RC car.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Car does not respond to transmitter.	Low battery in car or transmitter; Not bound; Power switch off.	Charge car battery; Replace transmitter batteries; Ensure both power switches are ON; Re-bind car and transmitter.
Car runs slowly or has weak power.	Low car battery; Motor or drivetrain obstruction.	Recharge car battery; Check for debris in gears or wheels; Inspect motor for damage.
Car pulls to one side.	Steering trim incorrect; Damaged steering components.	Adjust steering trim on the transmitter; Inspect steering linkages for damage.

Problem	Possible Cause	Solution
Unusual noise during operation.	Damaged gears; Debris in drivetrain.	Inspect gears for wear or damage and replace if necessary; Clean drivetrain of any foreign objects.

9. SPECIFICATIONS

Feature	Detail
Model Number	K989
Scale	1:28
Drive System	4-Wheel Drive (4WD)
Motor Type	130 Brush Motor
Max Speed	Up to 30 KM/H
Transmitter Frequency	2.4GHz
Control Distance	Approx. 100 meters
Car Battery	7.4V 400mAh Lithium Ion
Charging Time	Approx. 1.5 hours
Playtime	Approx. 30 minutes
Chassis Material	Metal
Shell Material	High-quality PC
Recommended Age	14 years and up
Item Weight	1.85 pounds
Package Dimensions	11.06 x 7.2 x 6.06 inches



Image: Dimensional drawing of the GoolRC WLtoys K989 RC Car, indicating its length, width, and height.

10. WARRANTY AND SUPPORT

Specific warranty information for the GoolRC WLtoys K989 RC Car is not provided in this manual. For details regarding warranty coverage, returns, or technical support, please refer to the product packaging, the retailer's policy, or contact GoolRC customer service directly through their official website or the platform where the product was purchased.

Always retain your proof of purchase for warranty claims.

