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## GoolRC 8602

# GoolRC 1:24 Scale RC Drift Car Instruction Manual

Model: 8602

## 1. INTRODUCTION

Thank you for purchasing the GoolRC 1:24 Scale RC Drift Car. This high-speed, 4WD remote control vehicle is designed for both racing and drifting, featuring LED lights and interchangeable tires. This manual provides essential information for the safe operation, maintenance, and optimal performance of your RC car. Please read it thoroughly before use.



Figure 1.1: GoolRC 1:24 Scale RC Drift Car and included accessories.

## 2. SAFETY INFORMATION

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- This product is suitable for users aged 8 years and up. Adult supervision is recommended for younger users.
- Operate the RC car only on flat, dry surfaces. Avoid wet or rough terrain to prevent damage.
- Do not operate the car near people, pets, or obstacles to prevent accidents.
- Keep fingers, hair, and loose clothing away from moving parts, such as wheels and motor.
- Do not disassemble or modify the car or remote control. Unauthorized modifications may cause malfunction and void the warranty.
- Always turn off the car and remote control when not in use.
- Store the car and accessories in a cool, dry place away from direct sunlight and extreme temperatures.

## 3. PACKAGE CONTENTS

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

- 1 x GoolRC RC Drift Car (Blue+White)
- 1 x Remote Controller
- 1 x 3.7V 500mAh Car Battery
- 1 x USB Charging Cable
- 4 x Replaceable Drifting Tires
- 4 x Roadblock Cones

## 4. COMPONENTS OVERVIEW

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### 4.1 RC Car

The RC car features a durable chassis, LED lights (front, bottom, and tail wing), and interchangeable tires for different driving styles.



Figure 4.1: RC Car with illuminated LED lights.

## **4.2 Remote Controller**

The 2.4GHz remote controller provides precise control over the car's movements and speed.



Figure 4.2: Remote Control Layout.

- **Power Switch:** Turns the remote control on/off.
- **LED Indicator:** Shows power and connection status.
- **Speed Trim:** Adjusts the car's maximum speed.
- **Forward & Backward Trigger:** Controls acceleration and reverse.
- **Turn Left & Turn Right Wheel:** Controls steering.

## 5. SETUP

### 5.1 Charging the Car Battery

1. Connect the 3.7V 500mAh car battery to the USB charging cable.
2. Plug the USB charging cable into a standard USB power adapter (e.g., computer USB port, phone charger).
3. The indicator light on the USB cable will illuminate during charging and turn off when fully charged.
4. Charging time is approximately 100 minutes. Do not overcharge.

### 5.2 Installing Car Battery

1. Locate the battery compartment on the underside of the RC car.
2. Open the battery compartment cover.
3. Insert the fully charged 3.7V 500mAh battery into the compartment, ensuring correct polarity.
4. Close the battery compartment cover securely.

### 5.3 Installing Remote Controller Batteries

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

### 5.4 Pairing the Remote Control

1. Ensure the car battery is installed and the car's power switch is OFF.
2. Turn ON the remote controller. The LED indicator will blink.
3. Turn ON the power switch on the RC car.
4. The remote controller's LED indicator will become solid, indicating successful pairing.
5. If pairing fails, turn off both devices and repeat the steps.

## 6. OPERATING INSTRUCTIONS

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### 6.1 Basic Controls

- **Forward:** Pull the trigger towards you.
- **Backward/Brake:** Push the trigger away from you.
- **Turn Left:** Rotate the steering wheel counter-clockwise.
- **Turn Right:** Rotate the steering wheel clockwise.



Figure 6.1: GoolRC RC Drift Cars in action, demonstrating key features.

## 6.2 Drifting Techniques

The GoolRC RC Drift Car is equipped with specialized drifting tires for enhanced performance. To initiate a drift:

1. Accelerate the car to a moderate speed.
2. Quickly turn the steering wheel in the desired direction of the drift.
3. Simultaneously, briefly apply the brake or reverse to break traction.
4. Counter-steer and modulate throttle to maintain the drift.



Figure 6.2: Demonstrating 4-wheel drive and drifting with cones.

### 6.3 Tire Replacement

The car comes with both racing tires (for grip) and drifting tires (for sliding). You can easily swap them using the included wheel changer.

1. Use the wheel changer tool to loosen the wheel nuts on each wheel.
2. Carefully remove the existing tire and wheel assembly.
3. Place the desired tire onto the wheel hub, ensuring it is seated correctly.
4. Tighten the wheel nuts with the wheel changer. Do not overtighten.



Figure 6.3: Tire replacement process with racing and drift tires.

## 7. MAINTENANCE

### 7.1 Cleaning

- After each use, gently wipe the car body with a soft, dry cloth to remove dust and debris.
- Do not use water or chemical cleaners, as they may damage electronic components.
- Remove any hair or fibers that may have wrapped around the axles or wheels.

### 7.2 Storage

- Always remove batteries from both the car and the remote control before long-term storage.
- Store the car and accessories in a cool, dry place, away from direct sunlight and extreme temperatures.

### 7.3 Battery Care

- Do not expose batteries to fire or high temperatures.
- Do not short-circuit battery terminals.
- Dispose of old batteries responsibly according to local regulations.

## 8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Car does not respond to remote.	Car or remote is off; Batteries are low/dead; Not paired; Out of range.	Turn on both devices; Replace/charge batteries; Re-pair car and remote; Operate within 30 meters.
Car runs slowly or inconsistently.	Low car battery; Obstruction in wheels/axles; Operating on rough terrain.	Charge car battery; Clear obstructions; Operate on flat, dry surfaces.
LED lights not working.	Low car battery; Damaged wiring.	Charge car battery; Contact customer support if wiring is suspected.
Car pulls to one side.	Steering trim needs adjustment; Damaged steering components.	Adjust steering trim on remote; Contact customer support.

## 9. SPECIFICATIONS

Feature	Detail
Item Name	RC Drift Car
Model Number	8602
Scale	1:24
Material	ABS, PVC
Frequency	2.4GHz
Speed	Approx. 20 km/h
Motor	Brushed Motor
Remote Control Distance	Approx. 30 Meters
Car Battery	3.7V 500mAh (Included)
Remote Controller Battery	4 x AAA Battery (Not Included)
Charging Time	Approx. 100 min
Working Time	Approx. 20-30 min
Car Size	Approx. 20 x 10 x 6.3 cm
Recommended Age	8 years and up

## 10. WARRANTY AND SUPPORT

GoolRC products are manufactured to high quality standards. For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official GoolRC website. Please retain your proof of purchase for any warranty claims.

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