

## wheelfun SCY 16102

# wheelfun SCY 16102 RC Monster Truck Pickup Instruction Manual

Model: SCY 16102

## 1. INTRODUCTION

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The wheelfun SCY 16102 is a 1/16 scale 4X4 remote control off-road monster truck designed for hobby enthusiasts. It features a full-scale synchronous remote control system, durable metal drivetrain components, and a splash-proof electronic speed controller (ESC). This manual provides essential information for the safe and proper operation, setup, and maintenance of your RC monster truck.



Image: Front-side view of the wheelfun SCY 16102 RC Monster Truck in red and black.

## 2. SAFETY INFORMATION

- This product is not suitable for children under 14 years of age. Adult supervision is recommended for users under 21 years.
- Always read all instructions thoroughly before operating the vehicle.
- Operate the RC truck in open areas, away from people, pets, and obstacles to prevent accidents.
- Avoid operating near water unless specifically designed for such conditions. This model features splash-proofing, but is not fully waterproof.
- Do not touch moving parts (wheels, gears) during operation to avoid injury.
- Ensure batteries are charged and handled according to instructions to prevent fire or explosion hazards.
- Keep small parts out of reach of children to prevent choking hazards.

## 3. PACKAGE CONTENTS

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

- 1 x wheelfun SCY 16102 RC Monster Truck (Red)
- 1 x 2.4G Remote Control Transmitter

- 1 x Rechargeable Battery (D type, included for vehicle)
- 1 x USB Charging Cable
- 1 x Wheelie Bar
- 1 x Instruction Manual



Image: Contents of the wheelfun SCY 16102 package, including the RC truck, remote, battery, charger, and wheelie bar.

## 4. PRODUCT FEATURES

- **2.4G Full-scale Synchronous Remote Control System:** Provides precise control over throttle and steering with stepless speed adjustment. Supports high-speed driving, acceleration, deceleration, braking, reversing, and turning.
- **Pro Version Upgrades:** Enhanced durability with metal front/rear arm mounts, metal center drive shaft, metal differential, planetary gears, drive gears, main gears, and CVD front drive shaft. Features a 16-ball-bearing system for smooth power transfer and improved reliability.
- **2.4G Four-way 35A Integrated Splash-proof ESC:** Combines receiver and electronic speed controller. Includes low voltage cut-off (6.3-6.4V), temperature control protection, motor stall protection, and splash-proofing for versatile use.

- **High Toughness Explosion-proof PVC Car Shell:** Designed for increased vehicle body strength and adaptability.
- **Performance-Enhancing Features:** Equipped with simulated big-foot tires for excellent grip, a wheelie bar, front/rear vertical spring damping, and an independent suspension system. Ensures smooth high-speed performance and adaptability across various terrains including flat ground, sand, mud, and grass.



Image: Key internal components including motor, battery, and bearings.

## 5. SETUP

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### 5.1 Vehicle Battery Installation

1. Carefully remove the car shell to access the battery compartment.
2. Insert the included rechargeable battery into the compartment, ensuring correct polarity.
3. Secure the battery and reattach the car shell.

### 5.2 Battery Charging

1. Connect the rechargeable battery to the USB charging cable.
2. Plug the USB cable into a compatible USB power source (e.g., computer, USB wall adapter).
3. Observe the indicator light on the charger. It will typically show red during charging and turn green when fully charged.
4. Do not overcharge the battery. Disconnect once fully charged.

### 5.3 Remote Control Battery Installation

1. Open the battery compartment on the remote control.
2. Insert 1 D battery (included), observing correct polarity (+/-).
3. Close the battery compartment securely.

### 5.4 Pairing the Remote Control and Vehicle

1. Ensure both the vehicle and remote control are powered off.
2. Turn on the remote control.
3. Turn on the vehicle.
4. The remote and vehicle should automatically pair. A successful pairing is usually indicated by a solid light

on both devices. If pairing fails, refer to the troubleshooting section.



Image: Vehicle chassis with battery and motor visible, car shell removed.

## 6. OPERATING INSTRUCTIONS

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### 6.1 Power On/Off Sequence

- To power on: Turn on the remote control first, then the vehicle.
- To power off: Turn off the vehicle first, then the remote control.

### 6.2 Driving Controls

- **Throttle Trigger:** Pull the trigger towards you to move forward. Push the trigger away from you to brake or reverse.
- **Steering Wheel:** Rotate the steering wheel left or right to turn the vehicle in the corresponding direction.

### 6.3 Speed Control

The 2.4G full-scale synchronous remote control system allows for proportional control. Adjust the throttle trigger gently for precise speed changes, from slow crawling to high-speed driving.

### 6.4 Terrain Adaptability

This vehicle is designed for various terrains including flat ground, sand, mud, and grass. While it features splash-proofing, avoid deep water or extremely rough terrain that could damage components.



Image: RC truck in action on a dirt surface.

## 7. MAINTENANCE

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### 7.1 Cleaning

- After each use, clean the vehicle with a soft, dry cloth.
- Remove any dirt, dust, or debris from the chassis, wheels, suspension components, and motor area.
- Do not use water directly on electronic components or immerse the vehicle in water.

### 7.2 Storage

- Store the vehicle and remote control in a cool, dry place away from direct sunlight and extreme temperatures.
- Remove batteries from both the vehicle and remote control if storing for extended periods (more than a few days) to prevent leakage and damage.

### 7.3 Inspection

- Regularly inspect the vehicle for loose screws, damaged parts, or worn tires.
- Ensure all connections are secure.
- Replace damaged parts as necessary to maintain optimal performance and safety.

## 8. TROUBLESHOOTING

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### 8.1 Vehicle Not Responding

- Ensure both the vehicle and remote control are powered on.
- Check battery levels in both the vehicle and remote control. Recharge or replace batteries as needed.

- Re-pair the remote control and vehicle by turning both off, then turning on the remote, followed by the vehicle.

## 8.2 Reduced Performance

- Check the vehicle's battery charge. A low battery will result in reduced speed and responsiveness.
- Inspect for debris (e.g., grass, dirt, hair) caught in the wheels, gears, or motor.
- Ensure all electrical connections are secure.

## 8.3 Motor Stall Protection

If the motor encounters an obstruction and stalls, the Electronic Speed Controller (ESC) will activate its protection function. Turn off the vehicle, clear any obstruction, and then restart the vehicle.

## 8.4 Low Voltage Cut-off

The ESC is equipped with a low voltage cut-off function. If the vehicle's battery voltage drops below 6.3-6.4V, the ESC will automatically shut down to prevent over-discharging and damage to the battery. Recharge the battery immediately when this occurs.

# 9. SPECIFICATIONS

Feature	Detail
Model	SCY 16102
Scale	1/16
Drive System	4X4
Remote Control Frequency	2.4 GHz
ESC	2.4G Four-way 35A Integrated Splash-proof
Vehicle Battery	1 D battery (included)
Recommended Age	21 years and up
Item Weight	3.74 pounds
Package Dimensions	12.8 x 10.4 x 6.4 inches
Manufacturer	wheelfun



Image: Vehicle dimensions.

## **10. WARRANTY AND SUPPORT**

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### **10.1 Damage Out of Box**

If your item arrives damaged, wheelfun can resend a free replacement part. Please contact customer support immediately upon discovering any damage.

### **10.2 Maintenance Services**

wheelfun provides professional after-sales and technical maintenance support. Technicians are available to offer guidance in English through video or text for repairs.

### **10.3 Contact Support**

For further assistance, troubleshooting, or warranty claims, please contact wheelfun customer support through the retailer's platform or the official wheelfun website.