

## VEVOR 2428

# VEVOR RC Crawler 1/24 Scale Off-Road Truck Instruction Manual

Model: 2428 | Brand: VEVOR

## 1. INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your VEVOR 1/24 Scale RC Crawler. Please read this manual thoroughly before using the product to ensure optimal performance and longevity.



Figure 1: VEVOR 1/24 Scale RC Crawler with included accessories.

## 2. SAFETY INFORMATION

- **Age Recommendation:** This product is recommended for users aged 14 years and up.
- **Battery Safety:** Use only the provided rechargeable batteries and charging cable. Do not overcharge or short-circuit batteries. Always supervise charging.
- **Operating Environment:** Avoid operating the RC crawler in wet conditions, near water, or in heavy traffic areas. Ensure a clear path free of obstacles and people.
- **Overheating:** Continuous high-speed operation or heavy load can cause the motor and electronics to overheat. Allow the vehicle to cool down between uses.
- **Supervision:** Adult supervision is recommended, especially for younger users.

## 3. PACKAGE CONTENTS

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

- 1 x Remote Control Off Road Car
- 1 x Remote Controller
- 1 x User Manual (this document)
- 1 x Cross Screwdriver

- 1 x USB Charging Cable
- 2 x 350mAh Lithium Batteries

## 4. SETUP

### 4.1. Battery Installation and Charging

1. **Install Remote Controller Batteries:** Open the battery compartment on the remote controller and insert 2 D batteries (not included), ensuring correct polarity.
2. **Install Vehicle Battery:** Carefully remove the body pins from the RC crawler to access the battery compartment. Connect one of the provided 350mAh lithium batteries to the vehicle's power connector. Secure the battery within its compartment using the strap.
3. **Charge Vehicle Batteries:** Connect the USB charging cable to a compatible USB power source (e.g., computer, power bank, USB wall adapter). Connect the battery to the charging cable. The charging indicator will show the charging status. A full charge takes approximately 1.5 hours.

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Video 1: Instructions on how to properly remove and install the battery in the VEVOR RC Crawler.

### 4.2. Pairing the Remote Controller

To establish a connection between the remote controller and the RC crawler:

1. Ensure both the RC crawler and the remote controller are powered off.
2. Turn on the RC crawler. The indicator light on the vehicle will flash.
3. Turn on the remote controller. The indicator light on the remote will flash.
4. Wait for a few seconds. Once the indicator lights on both the vehicle and the remote controller become solid, the pairing is successful.

## 5. OPERATING INSTRUCTIONS

### 5.1. Basic Controls

- **Throttle Trigger:** Pull the trigger to move forward, push to brake or reverse.
- **Steering Wheel:** Turn the wheel left or right to steer the vehicle.
- **Steering Trim (ST. TRIM):** Adjusts the neutral position of the steering. If the vehicle pulls to one side, use this dial to correct it.
- **Throttle Trim (TH. TRIM):** Adjusts the neutral position of the throttle. If the vehicle moves slightly without trigger input, use this dial to correct it.





Figure 2: Remote control with labeled functions, including the 2-speed regulation switch.

## 5.2. 2-Speed Regulation

The VEVOR RC Crawler features a 2-speed regulation system, allowing you to switch between high and low speeds with a single click on the remote control. This feature is designed to accommodate different skill levels and driving conditions.

## 5.3. All-Terrain Driving

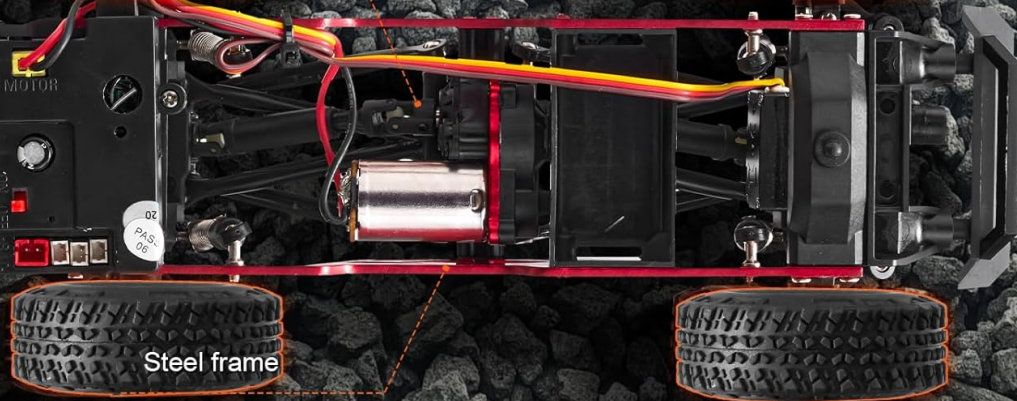
Equipped with a 4x4 four-wheel drive system, 4-link front and rear suspension, and a 45-degree steering angle, this RC crawler is designed for various terrains including grass, slopes, gravel, mud, and sand.



# 4 X 4 FOUR-WHEEL DRIVE SYSTEM

Deliver outstanding off-road performance

4-Link front and 4-link rear suspension



Steel frame



Grass



Slopes



Gravels



Mud



Sand

Figure 3: The 4x4 four-wheel drive system provides excellent off-road performance.

# 45° STEERING ANGLE

Easily handles turns and slopes



High-Accuracy Steering Servo



Improve Obstacle-Crossing Ability



Enhance Stability



Increase Fun

Figure 4: The 45-degree steering angle allows for precise maneuvering on challenging terrain.

## 5.4. Lighting System

The RC crawler features a full lighting system for enhanced visibility and realism, including 1 roof light, 6 front lights, and 2 tail lights. Turn signals activate automatically when steering.





Item Model Number: **2428**

Net Weight: **1.43 lbs / 0.65 kg**

Suitable Age: **14+ Years**

Main Materials: **Metal, Nylon, PC, Rubber**

Model Scale: **1:24**

Product Dimensions:

**9.0 x 4.0 x 4.6 in /  
22.8 x 10.1 x 11.7 cm**

Accessories

**1 x Remote Controller**

**1 x User Manual**

**1 x Cross Screwdriver**

**1 x USB Charging Cable**

**1 x Backup Battery (**

**2 batteries in total)**



Figure 5: The integrated lighting system enhances nighttime visibility and realism.

## 6. MAINTENANCE

### 6.1. Cleaning

After each use, especially in dirty or dusty conditions, clean the vehicle to prevent debris from affecting performance. Use a soft brush or cloth to remove dirt from the chassis, wheels, and suspension components. Avoid using water directly on electronic parts.

### 6.2. Battery Care

- Always fully charge batteries before storage.
- Store batteries in a cool, dry place away from direct sunlight and extreme temperatures.
- Do not leave batteries connected to the vehicle when not in use.
- If not used for extended periods, charge batteries every 3 months to maintain their health.



Figure 6: The RC crawler provides up to 60 minutes of run time with two 350mAh lithium batteries, charging in approximately 1.5 hours.

### 6.3. General Inspection

Regularly inspect the vehicle for any loose screws, damaged parts, or worn tires. Replace any damaged components promptly to ensure safe operation.

## 7. TROUBLESHOOTING

If you encounter issues with your VEVOR RC Crawler, refer to the following common problems and solutions:

- **Vehicle not responding:** Ensure both the vehicle and remote controller are powered on and properly paired. Check battery levels in both devices.
- **Poor performance/short run time:** Fully charge the vehicle battery. Ensure the battery is securely connected. Avoid continuous high-speed operation to prevent overheating.
- **Vehicle pulls to one side:** Adjust the steering trim (ST. TRIM) on the remote controller until the vehicle drives straight.
- **Overheating:** If the motor or electronic speed controller (ESC) feels excessively hot, stop operation immediately and allow the vehicle to cool down. Prolonged overheating can damage components.



8. SPECIFICATIONS

Feature	Specification
Item Model Number	2428
Product Dimensions	8.98 x 3.98 x 4.61 inches (22.8 x 10.1 x 11.7 cm)
Item Weight	1.43 pounds (0.65 kg)
Model Scale	1:24
Main Materials	Metal, Nylon, PC, Rubber
Batteries	2 x 350mAh Lithium Batteries (included)
Manufacturer Recommended Age	14 years and up



Figure 7: Detailed product dimensions and a list of accessories included with the VEVOR RC Crawler.

## 9. WARRANTY AND SUPPORT

Information regarding product warranty and customer support is not available in the provided data. Please refer to the product packaging or the manufacturer's official website for details on warranty coverage and how to contact customer support.