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Traxxas 82056-4 RED

Traxxas TRX-4 Scale and Trail Crawler User Manual

Model: 82056-4 RED

INTRODUCTION

The Traxxas TRX-4 Scale and Trail Crawler is engineered for extreme off-road capability, offering versatility and robust performance. This model features exclusive solid portal axles for maximum ground clearance and reduced torque twist, remotely lockable differentials, and a high/low range transmission for adaptable driving. Its waterproof electronics ensure reliable operation in various conditions, and the TQi radio system includes an innovative cruise control function. The highly detailed Land Rover Defender body enhances its realistic appearance.



Figure 1: The Traxxas TRX-4 Scale and Trail Crawler in red, showcasing its detailed Land Rover Defender body and rugged design.

WHAT'S IN THE BOX

Upon opening your Traxxas TRX-4 package, you will find the following components:

- TRX-4 Scale and Trail Crawler with XL-5 HV Electronic Speed Control and Titan 21T motor
- 4-Channel TQi Radio System
- Tool kit
- Quick start guide

SETUP

Before operating your TRX-4, please follow these setup instructions carefully:

1. **Battery Installation:** The TRX-4 requires a 6 or 7-cell NiMH or 2 or 3-cell LiPo battery (sold separately). Locate the dual-fit battery tray and securely install the battery. Ensure proper polarity.
2. **Transmitter Batteries:** Install four AA batteries into the TQi radio system transmitter.
3. **Initial Binding (if necessary):** Your TRX-4 and TQi radio system are typically pre-bound from the factory. If re-binding is required, refer to the detailed instructions in the full user manual.
4. **Power On Sequence:** Always turn on the transmitter first, then the vehicle. When finished, turn off the vehicle first, then the transmitter.



Figure 2: Side profile of the TRX-4, illustrating its robust chassis and suspension components, including the long-travel aluminum GTS shocks.

OPERATING INSTRUCTIONS

The Traxxas TRX-4 offers advanced features for superior control and performance:

- **Remote Differential Lock:** Utilize the controls on your TQi transmitter to remotely lock both front and rear differentials. This provides maximum traction for challenging terrain and can be unlocked for sharper turning.
- **High/Low Range Transmission:** Switch between high-speed trail driving and low-speed technical crawling using the dedicated control on the transmitter. This allows for versatile performance across different environments.
- **Cruise Control:** Engage the innovative cruise control feature on the 2.4GHz TQi radio. Set your desired speed and fine-tune it using the Multi-Function knob for consistent pace during long trail runs.

- **Waterproof Electronics:** The TRX-4 is equipped with waterproof electronics, including the XL-5 HV ESC and 2075X metal gear servo, allowing operation in wet conditions. Always ensure to dry the vehicle thoroughly after exposure to water to prevent corrosion of metal components.



Figure 3: The TRX-4 demonstrating its climbing capabilities on rocky terrain, highlighting its portal axles and high ground clearance.



Figure 4: Rear view of the TRX-4 positioned on rocks, showcasing the spare tire and the robust rear suspension design.

MAINTENANCE

Regular maintenance is crucial for the longevity and optimal performance of your TRX-4:

- **Cleaning:** After each use, especially in dirty or wet conditions, clean the vehicle thoroughly. Remove dirt, mud, and debris from the chassis, suspension, and drivetrain.
- **Lubrication:** Periodically lubricate moving parts such as bearings, gears, and universal joints with appropriate RC-grade lubricants.
- **Inspection:** Regularly inspect all screws, nuts, and bolts for tightness. Check for any damaged or worn parts, including tires, shocks, and steering components. Replace as necessary.
- **Battery Care:** Follow the manufacturer's guidelines for charging, discharging, and storing your NiMH or LiPo batteries to ensure safety and maximize battery life.

TROUBLESHOOTING

If you encounter issues with your TRX-4, consider the following common troubleshooting steps:

- **No Power:** Ensure batteries in both the vehicle and transmitter are fully charged and correctly installed. Check all connections.
- **Loss of Control/Range:** Verify that the transmitter and receiver are properly bound. Check for interference from other radio sources.
- **Steering Issues:** Inspect the steering servo and linkages for damage or obstructions. Ensure the servo horn is not stripped (a common issue noted in reviews, an aluminum replacement may be beneficial).
- **Motor/ESC Problems:** Check for overheating of the motor or ESC. Ensure proper battery voltage and connections.

For more detailed troubleshooting steps and solutions, please refer to the official Traxxas TRX-4 User Manual (PDF) available online: [Download User Manual](#).

SPECIFICATIONS

Feature	Detail
Product Dimensions	23.1 x 9.8 x 11.5 inches
Item Weight	10 pounds
Model Number	82056-4 RED
Manufacturer Recommended Age	14 years and up
Release Date	May 22, 2017
Manufacturer	Traxxas
Motor	Titan 21T 550
Electronic Speed Control (ESC)	XL-5 HV
Radio System	2.4GHz TQi 4-Channel
Servo	Waterproof 2075X Metal Gear
Ground Clearance	3.14 inches (80mm)

WARRANTY AND SUPPORT

Traxxas products are known for their durability and performance. For specific warranty information, please refer to the documentation included with your product or visit the official Traxxas website.

For technical support, parts, or further assistance, please contact Traxxas customer service directly. You can also find extensive resources, including detailed manuals and FAQs, on the official Traxxas support page.

A comprehensive user manual in PDF format is available for download: [Official Traxxas TRX-4 User Manual \(PDF\)](#).

