

TENSSENX 1:14

TENSSENX 1/14 Scale RC Truggy Instruction Manual

Model: 1:14

1. INTRODUCTION

The TENSSENX 1/14 Scale RC Truggy is a high-performance, 4x4 remote control vehicle designed for all-terrain use. Capable of speeds up to 60 KM/H (40 MPH) with 2S power, it features rugged construction including steel differentials, a metal gearbox, and a universal drive shaft for enhanced durability. This manual provides essential information for safe operation, setup, maintenance, and troubleshooting to ensure optimal performance and longevity of your RC Truggy.



Image: The TENSSENX 1/14 Scale RC Truggy, showcasing the vehicle, remote control, two batteries, and a set of extra paddle tires.

2. SAFETY INFORMATION

Always prioritize safety when operating your RC Truggy. This product is recommended for ages 14 years and up. Adult supervision is advised, especially for younger users.

- **Operating Environment:** Do not operate the RC Truggy indoors or near small children and pets due to its high speed and power.
- **Initial Use:** For beginners, it is highly recommended to use the 70% throttle limit setting initially to familiarize yourself with the vehicle's handling and speed before attempting 100% power.
- **Surface Conditions:** Practice driving on flat, hard surfaces to gain control. Driving on grass or bumpy terrain at high speeds can cause the vehicle to flip.
- **Battery Safety:** Use only the provided charger and batteries. Do not overcharge or short-circuit batteries. Store batteries in a cool, dry place away from flammable materials.
- **Water Exposure:** While the electronics are waterproof, avoid submerging the vehicle. Ensure all compartments are properly sealed before operating in wet conditions.

3. WHAT'S IN THE BOX

Your TENSSENX 1/14 Scale RC Truggy package includes the following components:

- 1 x Remote Control Truggy
- 1 x 2.4GHz 3-Channel Transmitter
- 2 x 2S 2000mAh Li-ion-Fe Rechargeable Batteries
- 2 x USB Charging Cables
- 4 x Extra Paddle Tires (for snow & sand)
- 2 x Extra Shocks
- 1 x Extra Spoiler
- 1 x Extra Front Drive Shaft
- 1 x Extra Rear Dog Bone
- 1 x Extra Differential Gear
- 1 x Extra Bevel Gear
- 2 x Wheel Hex
- 4 x Wheel Screws
- 4 x Extra Spoiler Screws
- 4 x Extra Shaft Pins
- 8 x Extra Clips
- 1 x Cross Wrench
- 1 x Screwdriver



Image: All components included in the TENSSENX RC Truggy package, laid out for clear identification.

4. SETUP

Follow these steps to prepare your RC Truggy for its first use:

4.1 Battery Installation (Vehicle)

1. Ensure the vehicle's power switch is in the OFF position.
2. Locate the battery compartment on the underside of the vehicle.
3. Carefully insert one of the provided 2S Li-ion-Fe batteries into the compartment.
4. Connect the battery connector to the vehicle's power port.
5. Secure the battery compartment cover.

The vehicle comes with two batteries, allowing for extended play sessions. Swapping batteries takes less than 30 seconds, ensuring continuous fun.



Image: Two 2S Li-ion-Fe batteries, designed for safety and extended use.

4.2 Remote Control Setup

1. Open the battery compartment on the remote control.
2. Insert the required AA batteries (not included) into the remote control, observing polarity.
3. Close the battery compartment.
4. Turn on the remote control, then turn on the vehicle. The remote and vehicle should automatically pair.



Image: Detailed view of the 2.4GHz remote control, highlighting its various functions and controls.

5. OPERATING INSTRUCTIONS

The TENSSENX RC Truggy offers precise control and impressive performance across various terrains.

5.1 Basic Controls

- **Throttle Trigger:** Pull to move forward, push to reverse.
- **Steering Wheel:** Turn left or right to steer the vehicle.
- **Throttle Limit Switch:** Adjust between 70% and 100% power. Start with 70% for better control, especially on new surfaces.
- **Headlight Switch:** Activates the pre-mounted LED headlights for night operation.
- **Steering Trim:** Use this dial to fine-tune the steering if the vehicle pulls to one side when the steering wheel is centered.

5.2 All-Terrain Performance

The 4x4 drive system, combined with swappable 111mm airless tires and paddle treads, allows the Truggy to conquer diverse environments.

- **Multi-Surface Grip:** The included paddle tires are ideal for enhanced traction on snow, sand, and loose surfaces.
- **Waterproof Electronics:** The modified electronics box provides protection against splashes, allowing operation in wet conditions like shallow puddles or damp terrain.
- **Obstacle Clearance:** A raised chassis and anti-vibration shocks ensure stable handling and allow the vehicle to clear obstacles effortlessly.



Image: The RC Truggy showcasing its versatility on sand with paddle tires and snow with standard tires, highlighting its all-terrain capabilities.

5.3 Advanced Maneuvers

The powerful motor and responsive controls enable exciting maneuvers:

- **Wheelies:** To perform a wheelie, quickly reverse the vehicle and then immediately accelerate forward. This action lifts the front wheels off the ground.
- **Jumps:** The durable construction and adjustable shocks allow for jumps and stunts. Ensure a clear landing

area to minimize impact.

6. MAINTENANCE

Regular maintenance will extend the lifespan and performance of your RC Truggy.

- **Cleaning:** After each use, especially in dirty or wet conditions, clean the vehicle to remove dirt, mud, and debris. Use a soft brush or cloth. Avoid using harsh chemicals.
- **Inspection:** Periodically inspect all moving parts, including wheels, shocks, drive shafts, and gears, for any signs of wear or damage.
- **Lubrication:** Apply appropriate RC-grade lubricant to moving metal parts as needed to ensure smooth operation and prevent wear.
- **Modular Design:** The Truggy features a modular design, allowing for quick and easy replacement of parts. Refer to the included parts list for identification and ordering of spare components.
- **Shock Adjustment:** The adjustable shocks can be tuned for different terrains and driving styles. Refer to the diagram for adjustment points.

ALL NEW DESIGN ADJUSTABLE SHOCKS.



Image: The RC Truggy highlighting its adjustable shocks, crucial for adapting to various terrains and maintaining stability.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your RC Truggy.

Problem	Possible Cause	Solution
Vehicle does not respond to remote	Low battery in vehicle or remote; Not paired correctly; Power switch off	Charge vehicle battery; Replace remote batteries; Ensure both are ON and paired.
Vehicle moves slowly or lacks power	Low vehicle battery; Throttle limit set to 70%; Motor or ESC issue	Charge vehicle battery; Set throttle limit to 100%; Inspect motor/ESC for damage.

Problem	Possible Cause	Solution
Vehicle pulls to one side	Steering trim needs adjustment; Damaged steering components	Adjust steering trim on remote; Inspect and replace damaged parts.
Wobble when reversing at speed	Excessive play in joints or worn components	This is a minor characteristic; primarily use reverse for quick turns. Inspect for loose parts and tighten if necessary.
Motor overheating	Continuous high-speed operation; Obstruction in drivetrain	Allow motor to cool down; Check for debris or binding in gears. The metal heatsink helps prevent this.

8. SPECIFICATIONS

- **Brand:** TENSSENX
- **Model:** 1:14 Scale RC Truggy
- **Dimensions (Package):** 14.45 x 10 x 5.91 inches
- **Item Weight:** 5.02 pounds
- **Power System:** 540 Motor, 45A ESC (Electronic Speed Controller)
- **Battery:** 2 x 2S Lithium Ion (Li-ion-Fe) 7.4V 2000mAh (included)
- **Speed:** 60+ KM/H (40+ MPH)
- **Drive System:** 4X4 (Four-Wheel Drive) with steel differentials and universal drive shaft
- **Chassis:** Laser-cut aluminum chassis with composite bracing
- **Shocks:** Adjustable anti-vibration shocks
- **Tires:** 111mm swappable airless tires, includes paddle treads
- **Control System:** 3-channel 2.4GHz transmitter with 300ft range and adjustable throttle limit (70-100%)
- **Manufacturer Recommended Age:** 14 years and up

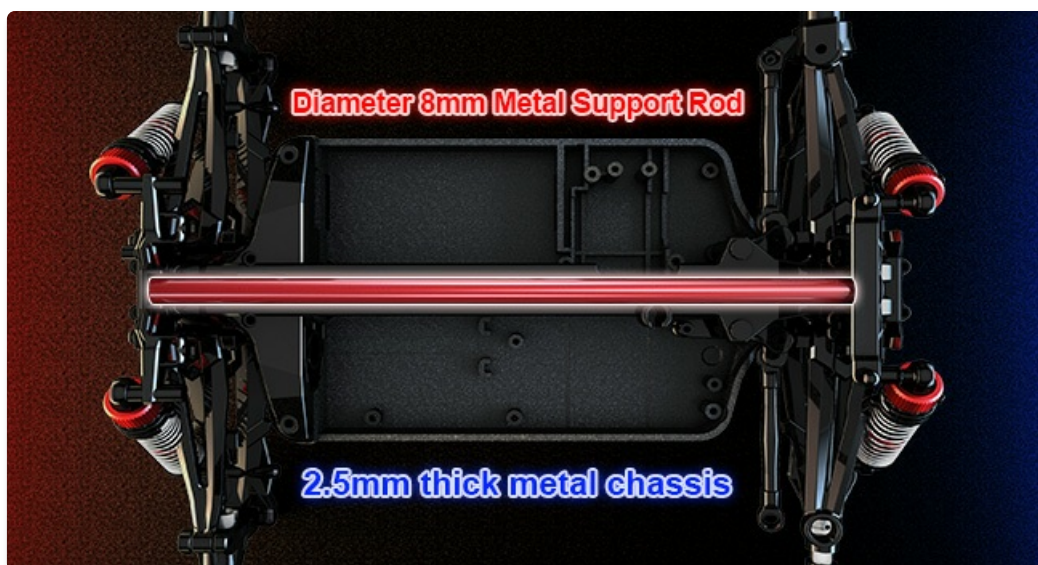


Image: Internal view of the RC Truggy chassis, highlighting the robust 2.5mm thick metal chassis and 8mm metal support rod for enhanced durability.

9. WARRANTY & SUPPORT

For warranty information, technical support, or to inquire about replacement parts, please contact TENSSENX customer service directly. Details can typically be found on the product packaging or the official TENSSENX website.

Protection plans may be available for purchase separately to cover your product beyond the manufacturer's warranty. Please refer to your retailer for details on available protection plans.