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## Losi LOS03027V2T2



# Losi 1/10 Tenacity DB Pro 4WD Desert Buggy Brushless RTR Instruction Manual

Model: LOS03027V2T2

## INTRODUCTION

This manual provides essential information for the setup, operation, and maintenance of your Losi 1/10 Tenacity DB Pro 4WD Desert Buggy Brushless RTR. Please read this entire manual carefully before operating the vehicle to ensure proper function and safety. This remote-controlled vehicle is a sophisticated hobby product and requires careful handling and basic mechanical understanding.



Image: The Losi 1/10 Tenacity DB Pro 4WD Desert Buggy, showcasing its design and features.

## SAFETY INFORMATION

**WARNING: Read the ENTIRE instruction manual to become familiar with the features of the product before operating. Failure to operate the product correctly can result in damage to the product, personal property, and cause serious injury.**

This is a sophisticated hobby product. It must be operated with caution and common sense and requires some basic mechanical ability. Failure to operate this Product in a safe and responsible manner could result in injury or damage to the product or other property. This product is not intended for use by children without direct adult supervision. Do not use with incompatible components or alter this product in any way outside of the instructions provided by Horizon Hobby, LLC. The product manual contains instructions for safety, operation, and maintenance. It is essential to read and follow all the instructions and warnings in the manual, prior to assembly, setup or use, in order to operate correctly and avoid damage or serious injury.

## WHAT'S IN THE BOX

- Losi TENACITY DB Pro 1/10-scale 4WD Buggy
- Spektrum DX3 Smart 3-Channel DSMR Radio System
- Spektrum SR6200A DSMR 6-Channel AVC Surface Receiver
- Spektrum Smart 130A Brushless ESC
- Spektrum Firma 4-Pole 3150Kv 550 Motor
- Spektrum S614 Waterproof Metal Gear Surface Servo, 23T
- Product Manual

## ITEMS NEEDED TO COMPLETE (NOT INCLUDED)

The Losi 1/10 Tenacity DB Pro is a Ready-to-Run (RTR) vehicle, but requires the following items to be purchased separately:

- Compatible Battery Pack (e.g., 2S or 3S LiPo)
- Compatible Battery Charger

### Needed to Complete

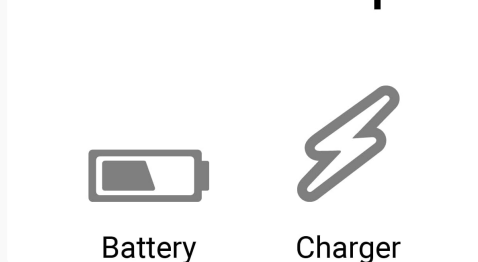


Image: Icons representing a battery and a charger, indicating these items are sold separately.

## FEATURES

- Spektrum Smart 130A Brushless ESC and Spektrum Firma 4-Pole 3150Kv 550 Motor for powerful performance.
- Spektrum DX3 3-Channel DSMR Radio System for precise control.
- Waterproof Components for all-weather driving.
- Officially Licensed trim schemes, including Fox Racing.
- Integrated Front LED bar for enhanced visibility.

## SETUP

### 1. Initial Inspection

Before first use, carefully inspect the vehicle for any loose screws, damaged components, or obstructions. Ensure all moving parts operate freely.

### 2. Battery Installation and Charging

Install your charged LiPo battery into the designated battery tray. Secure it using the provided straps or clips. Refer to your battery and charger manuals for proper charging procedures. Ensure the battery is fully charged before operation.

### 3. Transmitter Setup (Spektrum DX3)



Image: The Spektrum DX3 Smart 3-Channel DSMR Radio System transmitter.

Your Spektrum DX3 transmitter is pre-bound to the SR6200A receiver. Ensure the transmitter batteries are installed and powered on before connecting the vehicle's battery. Familiarize yourself with the throttle trigger, steering wheel, and trim adjustments.

### 4. ESC and Motor Connection



Images: Spektrum Smart 130A Brushless ESC and Spektrum Firma 4-Pole 3150Kv 550 Motor.

The Spektrum Smart 130A Brushless ESC and Firma 4-Pole 3150Kv 550 Motor are pre-installed. Ensure all connections are secure. The ESC is designed for 2S or 3S LiPo batteries. If using a 3S battery, it is recommended to adjust the pinion gear for optimal performance and to prevent overheating. Consult the full product manual for specific gearing recommendations.



Image: Internal chassis view showing the layout of the ESC, motor, and wiring.

## 5. Servo Installation

The Spektrum S614 Waterproof Metal Gear Surface Servo is pre-installed for steering. Verify that the servo horn is securely attached and that the steering linkage moves freely without binding.

## OPERATING

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### 1. Basic Controls

- **Throttle:** Pull the trigger on the transmitter to accelerate forward. Push the trigger away from you for reverse and braking.
- **Steering:** Turn the steering wheel on the transmitter left or right to control the vehicle's direction.

### 2. Driving Tips

Start by driving in an open, clear area to get accustomed to the controls. Avoid obstacles and other people. The Tenacity DB Pro is designed for off-road use. Its 4WD system provides excellent traction on various surfaces.





Image: The Losi Tenacity DB Pro navigating a dirt incline, demonstrating its off-road capability.



Image: The Losi Tenacity DB Pro in motion on a dirt track, highlighting its speed and agility.

### 3. Active Vehicle Control (AVC) Technology



Image: The AVC (Active Vehicle Control) technology logo.

Your vehicle is equipped with Spektrum's AVC technology, which provides stability assistance to help maintain control at high speeds and over loose surfaces. The AVC system can be adjusted or turned off via your DX3 transmitter. Refer to the DX3 manual for detailed instructions on adjusting AVC settings.





Image: The Losi Tenacity DB Pro parked in shallow water at sunset, demonstrating its waterproof capabilities.

## MAINTENANCE

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### 1. General Cleaning

After each use, especially in dirty or wet conditions, clean the vehicle thoroughly. Use a soft brush or compressed air to remove dirt and debris. Avoid using harsh chemicals that could damage plastic or electronic components.

### 2. Screw and Fastener Checks

Regularly check all screws and fasteners for tightness. Apply blue threadlocker to metal-to-metal screws as needed, especially on critical components like wheel hubs and suspension mounts, to prevent them from loosening during operation.

### 3. Shock Oil Inspection



Image: A detailed view of the vehicle's shock absorbers and suspension components.

Inspect the shock absorbers for leaks or inconsistent damping. Over time, shock oil can degrade or leak, affecting suspension performance. Replace shock oil as necessary, referring to the full manual for recommended weights (e.g., 35wt for stock, adjust for driving style).

## 4. Pinion/Spur Gear Inspection

Periodically check the pinion and spur gears for wear or damage. Ensure proper gear mesh to prevent premature wear. If changing to a 3S battery, consider adjusting the pinion gear size to manage motor temperatures and prevent damage.

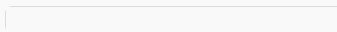


Image: Underside view of the Losi Tenacity DB Pro chassis, showing the protective plate and suspension arms.

# TROUBLESHOOTING

## Common Issues and Solutions

- **Vehicle not responding:** Ensure transmitter and vehicle batteries are charged and properly connected. Check for proper binding between transmitter and receiver.
- **Motor overheating:** Verify correct gearing for your battery type (especially 3S LiPo). Ensure adequate airflow to the motor and ESC. Reduce run time or consider a smaller pinion gear.
- **Stripped screws:** Use high-quality hex drivers for maintenance. For small set screws, apply threadlocker carefully and allow it to cure before attempting to loosen. If a screw is stripped, specialized extraction tools may be required.
- **Poor handling/suspension:** Inspect shocks for leaks or damage. Check suspension arms and linkages for binding or broken parts. Adjust shock oil weight or spring tension as needed for terrain.

# SPECIFICATIONS

Specification	Detail
Product Dimensions	28.1 x 12.75 x 9.75 inches
Item Weight	5.8 pounds
Model Number	LOS03027V2T2
Manufacturer Recommended Age	14 months and up
Release Date	November 26, 2021
Manufacturer	Losi







## WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Losi website or contact Horizon Hobby, LLC directly. Keep your proof of purchase for any warranty claims. The full product manual included in the box contains detailed warranty terms and contact information.

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### Related Documents - LOS03027V2T2

	<p><a href="#">Losi Desert Buggy XL 2.0 Instruction Manual - 1/5 Scale Ready-to-Run Gas RC Car</a></p> <p>Umfassende Bedienungsanleitung für den Losi Desert Buggy XL 2.0 RTR. Enthält detaillierte Anleitungen zur Einrichtung, zum Betrieb, zur Wartung und zur Fehlerbehebung dieses leistungsstarken 1/5-Scale-Gas-RC-Fahrzeugs von Losi.</p>
	<p><a href="#">Losi Tenacity MT RTR, AVC: 1:10 4WD Monster Truck Instruction Manual</a></p> <p>Comprehensive instruction manual for the Losi Tenacity MT RTR, AVC 1:10 4WD Monster Truck. Covers setup, operation, safety, maintenance, and troubleshooting.</p>
	<p><a href="#">Losi Lasernut Tenacity Ultra 4 Rock Racer 1/10 Scale 4WD RTR Instruction Manual</a></p> <p>Comprehensive instruction manual for the Losi Lasernut Tenacity Ultra 4 Rock Racer, a 1/10 scale 4WD Ready-to-Run RC vehicle. Covers setup, operation, maintenance, troubleshooting, and safety precautions.</p>
	<p><a href="#">Losi 8IGHT-X Super Lasernut RTR 1/6-Scale 4WD Electric Buggy Instruction Manual</a></p> <p>Comprehensive instruction manual for the Losi 8IGHT-X Super Lasernut RTR 1/6-Scale 4WD Electric Buggy, covering setup, operation, maintenance, troubleshooting, and warranty information.</p>



### [Manuel d'instructions Losi DBXL 2.0 Desert Buggy XL](#)

Guide complet pour le Losi DBXL 2.0 Desert Buggy XL, incluant les instructions de démarrage, d'utilisation, de maintenance et de dépannage pour ce véhicule RC à l'échelle 1/5.



### [Losi 8IGHT 1/8-Scale 4WD Gasoline Buggy RTR: Instruction Manual](#)

This is the instruction manual for the Losi 8IGHT 1/8-Scale 4WD Gasoline Buggy RTR. It provides comprehensive guidance on setup, operation, maintenance, safety precautions, troubleshooting, and warranty information for this high-performance radio-controlled vehicle.