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Losi LOS03015T2

Losi 1/10 Night Crawler SE Rock Crawler Instruction Manual

Model: LOS03015T2

Brand: Losi

INTRODUCTION

This manual provides essential information for the safe and efficient operation, setup, and maintenance of your Losi 1/10 Night Crawler SE. Please read this entire manual before operating the vehicle to ensure proper function and to prevent damage or injury. This product is a sophisticated hobby item and requires careful handling.



Image: The Losi 1/10 Night Crawler SE Rock Crawler, showcasing its exoskeleton cage and green body.

SAFETY INFORMATION

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. This 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

The following components are included with your Losi 1/10 Night Crawler SE:

- Losi Night Crawler SE RTR (Ready-to-Run) Vehicle
- Spektrum STX2 2CH 2.4GHz FHSS Transmitter
- Spektrum SRX200 2CH 2.4GHz FHSS Receiver
- AA Alkaline Battery (4) for Transmitter
- Spektrum 9KG 23T Waterproof Servo
- Dynamite 60A FWD/REV Brushed ESC (Electronic Speed Control)
- Dynamite 35T 540 Brushed Motor
- Product Manual

ITEMS REQUIRED FOR OPERATION (NOT INCLUDED)

To operate your Losi Night Crawler SE, you will need to acquire the following items separately:

- Compatible Drive Battery (e.g., 2S LiPo or 6-cell NiMH)
- Compatible Battery Charger

Needed to Complete



AA Batteries
x4



Battery



Charger

Image: Visual representation of required components: AA batteries (for transmitter), a main drive battery, and a battery charger.

SETUP

1. Battery Installation (Vehicle)

1. Ensure the vehicle's power switch is in the OFF position.
2. Carefully remove the body clips and lift the vehicle body to access the chassis.
3. Place your charged drive battery into the battery tray. Secure it using the provided straps or clips.
4. Connect the battery to the Electronic Speed Control (ESC) connector. Ensure correct polarity.
5. Re-attach the vehicle body and secure it with the body clips.



Image: Top view of the chassis showing the battery secured in its compartment.

2. Transmitter Battery Installation

1. Open the battery compartment on the back of the Spektrum STX2 transmitter.
2. Insert the four included AA alkaline batteries, observing the correct polarity markings.
3. Close the battery compartment securely.

3. Binding the Transmitter and Receiver

Your Losi Night Crawler SE comes with a Spektrum STX2 transmitter and SRX200 receiver, which are typically pre-bound from the factory. If re-binding is necessary, follow these steps:

1. Ensure the vehicle's power switch is OFF and the transmitter is OFF.
2. Insert the bind plug into the BIND port on the SRX200 receiver.
3. Power on the vehicle. The receiver LED will flash rapidly.
4. Hold the bind button on the transmitter while powering it ON.
5. Release the bind button when the receiver LED turns solid. This indicates a successful bind.
6. Power off the vehicle, remove the bind plug, then power off the transmitter.
7. Always power on the transmitter first, then the vehicle. Power off the vehicle first, then the transmitter.

4. Initial Inspection

- Check all screws and fasteners for tightness.
- Verify that the steering operates smoothly and the wheels turn freely.
- Ensure the suspension moves without binding.

OPERATION

Basic Controls

- **Throttle Trigger:** Pull to move forward, push to brake/reverse.
- **Steering Wheel:** Turn left for left, turn right for right.
- **Steering Trim:** Adjusts the center point of the steering.
- **Throttle Trim:** Adjusts the neutral point of the throttle.

Driving Tips for Rock Crawling

- **Slow and Steady:** Rock crawling emphasizes precision and control over speed. Use minimal throttle input.
- **Line Choice:** Observe the terrain and plan your path. Look for lines that allow the vehicle to maintain traction and avoid getting high-centered.
- **Weight Transfer:** Use subtle throttle and steering inputs to shift the vehicle's weight, aiding in climbing and descent.
- **Obstacle Clearance:** The Night Crawler SE features high ground clearance and articulation. Utilize these features to navigate challenging obstacles.
- **Waterproof Electronics:** The vehicle is equipped with waterproof electronics, allowing operation in wet conditions. However, avoid full submersion and ensure proper drying after use.



Image: The Night Crawler SE demonstrating its capabilities on a rocky path, with its integrated rock lights active.



Image: Another view of the Night Crawler SE traversing uneven rocky terrain, highlighting its robust design.

MAINTENANCE

Regular maintenance ensures the longevity and performance of your Losi Night Crawler SE.

- **Cleaning:** After each use, especially in dirty or wet conditions, clean the vehicle. Remove dirt, mud, and debris from the chassis, suspension, and drivetrain. Use a soft brush or compressed air.
- **Inspection:** Regularly inspect all components for wear or damage. Check for loose screws, bent suspension parts, or damaged wires.
- **Lubrication:** Periodically lubricate moving parts such as universal joints and gears with appropriate RC-specific grease or oil. Avoid over-lubrication.
- **Tires:** Check tire condition and ensure they are securely mounted to the wheels.
- **Electronics:** Keep electronic components clean and dry. If operating in wet conditions, ensure all waterproof seals are intact and dry the vehicle thoroughly afterward.
- **Battery Care:** Follow the manufacturer's instructions for charging, discharging, and storing your drive battery.



Image: Underside view of the chassis, illustrating the robust suspension and drivetrain components.

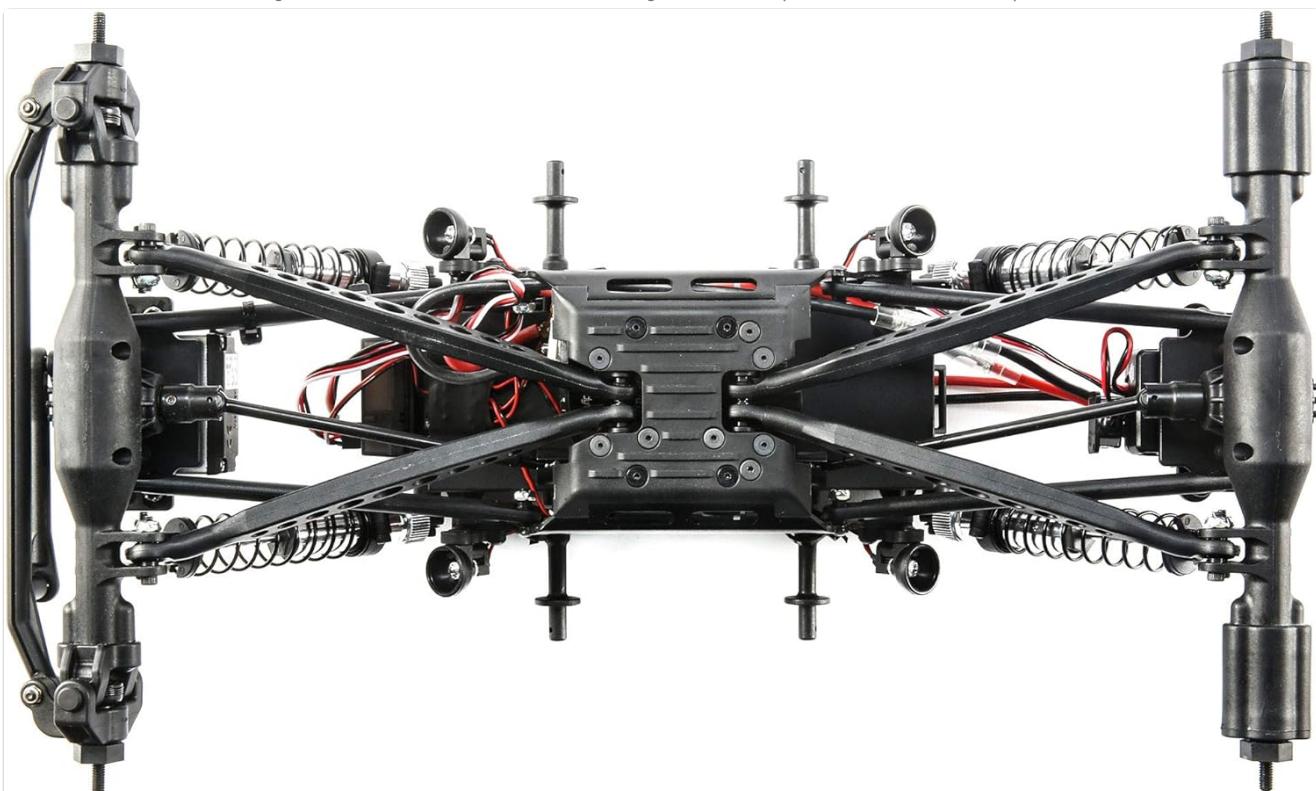


Image: Top view of the chassis with the body removed, showing the layout of the electronics and motor.

TROUBLESHOOTING

This section addresses common issues you might encounter with your Losi Night Crawler SE.

Problem	Possible Cause	Solution
Vehicle does not respond to transmitter.	Transmitter or vehicle battery low/dead. Transmitter and receiver not bound. Power switch OFF.	Charge/replace batteries. Perform binding procedure (see Setup section). Ensure power switches are ON.

Problem	Possible Cause	Solution
Vehicle moves slowly or lacks power.	Drive battery low. Motor/ESC overheating. Drivetrain binding.	Recharge drive battery. Allow components to cool. Inspect drivetrain for obstructions or damage.
Steering is erratic or unresponsive.	Servo arm loose or damaged. Steering linkage obstructed. Transmitter batteries low.	Check and secure servo arm. Replace if damaged. Clear any obstructions. Replace transmitter batteries.
Vehicle makes unusual noises.	Debris in gears. Worn or damaged gears. Motor issues.	Inspect and clean gears. Replace damaged gears. Consult with customer support if motor noise persists.

SPECIFICATIONS

Feature	Detail
Product Dimensions	25 x 13.5 x 9.3 inches
Item Weight	8.86 pounds
Model Number	LOS03015T2
Manufacturer Recommended Age	14 years and up
Release Date	October 12, 2018
Manufacturer	Horizon Hobby
Drive System	4 Wheel Drive (4WD)
Motor Type	Brushed (Dynamite 35T 540)
ESC	Dynamite 60A FWD/REV Brushed
Servo	Spektrum 9KG 23T Waterproof
Radio System	Spektrum STX2 2CH 2.4GHz FHSS
Special Features	Exoskeleton cage, Driver insert, Front and rear rock lights, Waterproof electronics, HD 21T worm drive

WARRANTY AND SUPPORT

For warranty information, technical support, or replacement parts, please refer to the official Losi or Horizon Hobby website. Keep your proof of purchase for any warranty claims. Contact information for customer service can typically be found on the manufacturer's website or in the packaging materials.

Manufacturer: Horizon Hobby

Website: www.horizonhobby.com (General manufacturer website, specific Losi support may be linked from there)