

Losi LOS-1387T2

Losi 22S Sprint 1/10 RTR 2WD Electric Sprint Car Instruction Manual

MODEL: LOS-1387T2

1. Product Overview

The Losi 22S Sprint 1/10 RTR 2WD Electric Sprint Car is engineered to replicate the appearance and performance of a full-scale sprint car. It incorporates race-proven geometry and detailed scale aesthetics. This Ready-to-Run (RTR) model features a powerful brushless motor and includes a removable top and front wing for customization. Built on the established 22 platform, it is compatible with various Losi and TLR option parts for performance enhancements.



Image 1.1: The Losi 22S Sprint 1/10 RTR 2WD Electric Sprint Car, showcasing its green and black livery with sponsor decals and a detailed driver figure.



Image 1.2: Side profile of the 22S Sprint, highlighting the chassis, suspension, and large rear wing.



Image 1.3: Front view of the 22S Sprint, showing the front wing, suspension arms, and tire tread.



Image 1.4: Rear view of the 22S Sprint, displaying the large rear tires, exhaust details, and rear wing structure.

2. Safety Precautions

Operating remote-controlled vehicles requires adherence to safety guidelines to prevent injury or damage. Please read and understand all instructions before use.

- Always operate your RC vehicle in open areas away from people, pets, and obstacles.
- Never operate near public roads, water, or high-voltage power lines.
- Keep hands, face, and loose clothing away from moving parts.
- Ensure batteries are charged safely and correctly. Use only compatible chargers and batteries.
- Disconnect the battery from the vehicle when not in use and during storage.

- Adult supervision is recommended for operators under 14 years of age.
- This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm (Proposition 65 Warning). Wash hands after handling.

3. What's Included

The Ready-to-Run (RTR) package for the Losi 22S Sprint includes the following components:

- (1) Losi 22S Sprint Car 1/10 Scale 2WD RTR
- (1) Spektrum SLT2 2-Channel 2.4GHz Transmitter
- (1) Spektrum SR215 DSMR 2-Channel Sport Receiver
- (1) Spektrum Firma 45A Brushless Smart Lite ESC
- (1) Spektrum Firma 3650 3300Kv Brushless Motor
- (1) Spektrum S684 25T Waterproof Metal Gear Servo
- (4) AA Transmitter Batteries
- (1) Metal 4-Way Nut Driver
- (1) Composite Shock Body & Shock Cap Tools
- (1) Instruction Manual (this document)

4. Needed to Complete

To operate your Losi 22S Sprint, the following items are required and not included in the RTR package:

Needed to Complete



Battery



Charger

Image 4.1: Visual representation of the essential items required to complete the setup: a battery and a charger.

- (1) 2S LiPo battery with IC5 Connector
- (1) Compatible LiPo battery charger

5. Setup

5.1. Transmitter Preparation

The Spektrum SLT2 2-Channel 2.4GHz Transmitter is included. Install the four AA batteries (included) into the transmitter's battery compartment, ensuring correct polarity. Power on the transmitter before connecting the vehicle's battery.

5.2. Battery Installation and Connection

1. Ensure the vehicle's ESC is turned off.
2. Carefully open the battery compartment on the vehicle.
3. Insert the charged 2S LiPo battery into the compartment.
4. Connect the battery's IC5 connector to the ESC's IC5 connector, ensuring a secure connection.
5. Secure the battery compartment cover.

5.3. Binding Procedure

Your Losi 22S Sprint RTR typically comes pre-bound from the factory. If re-binding is necessary, refer to the detailed instructions provided in the Spektrum SLT2 transmitter manual or the Spektrum website for the specific binding process for the SR215 receiver.

5.4. Pre-Run Checks

- Verify all wheels are securely attached.
- Check for any loose screws or connections.
- Ensure the steering and throttle respond correctly to transmitter inputs.
- Confirm that the battery is fully charged.

6. Operating

6.1. Basic Controls

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

6.2. Driving Environment

Operate your 22S Sprint in a safe, open area free from obstacles, people, and water. Ideal surfaces include dirt tracks, paved areas, or short grass. Avoid driving on sand or in wet conditions to prevent damage to electronics and moving parts.



Image 6.1: The 22S Sprint navigating a dirt track, demonstrating its agility and suspension travel.



Image 6.2: Side view of the 22S Sprint in motion, highlighting the dynamic posture during a turn.



Image 6.3: The 22S Sprint kicking up dirt while cornering, showcasing its off-road capabilities.

7. Maintenance

Regular maintenance ensures the longevity and optimal performance of your Losi 22S Sprint.



Image 7.1: Top-down view of the 22S Sprint, useful for identifying components during maintenance.

7.1. Cleaning

- After each run, remove dirt and debris from the chassis, suspension, and drivetrain using a soft brush or compressed air.
- Avoid using water directly on electronics. If necessary, use a damp cloth for cleaning body panels.

7.2. Inspection

- Regularly check all screws for tightness.
- Inspect tires for wear and damage.
- Examine suspension components (shocks, arms) for bends or cracks.
- Check gears for wear and proper mesh.
- Ensure all electrical connections are secure and free from corrosion.

7.3. Storage

- Store the vehicle in a cool, dry place away from direct sunlight.
- Always disconnect the battery from the vehicle before storage.
- For long-term storage, store LiPo batteries at a storage charge (typically 3.8V per cell).

8. Troubleshooting

This section addresses common issues you might encounter with your 22S Sprint.

Problem	Possible Cause	Solution
Vehicle does not respond	Low battery in vehicle or transmitter; Not bound; ESC off	Charge/replace batteries; Re-bind transmitter/receiver; Turn on ESC
Poor range or intermittent control	Interference; Loose antenna wire; Low transmitter battery	Change operating location; Check antenna connection; Replace transmitter batteries
Motor runs but wheels do not turn	Stripped gears; Loose wheel nut; Damaged drivetrain component	Inspect and replace gears; Tighten wheel nuts; Inspect drivetrain
Vehicle pulls to one side	Steering trim incorrect; Bent suspension component; Uneven tire wear	Adjust steering trim; Inspect and replace damaged parts; Check tire condition
ESC overheats	Overgeared; Excessive load; Poor ventilation	Reduce pinion size; Avoid continuous high-stress operation; Ensure airflow

9. Specifications

Detailed technical specifications for the Losi 22S Sprint 1/10 RTR 2WD Electric Sprint Car.

Specification	Value
Scale	1/10
Length	17.05in (433mm)
Width	9.8in (249mm)
Height	12.05in (306mm)
Wheelbase	10.24in (260mm)
Weight	79.37oz (2250g)
Drive	2WD
Power Source	2S LiPo
Assembly Level	RTR (Ready-to-Run)
Manufacturer	Losi
Manufacturer Recommended Age	14 months and up
Product Dimensions	20.9 x 16 x 15 inches
Item Weight	11.7 pounds

10. Warranty and Support

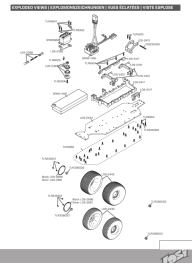
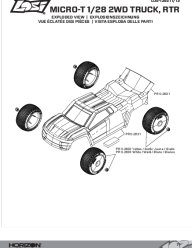

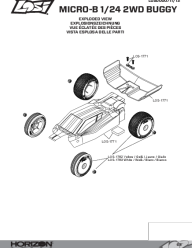


10.1. Warranty Information

Losi products are manufactured with high-quality components and craftsmanship. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Losi website. Warranty coverage typically applies to defects in materials and workmanship.

10.2. Customer Support

For technical assistance, spare parts, or further inquiries, please contact Losi customer support. You can find contact information and support resources on the official [Losi website](#) or through Horizon Hobby support channels.

Related Documents - LOS-1387T2

	<p>Losi 22S Sprint 2WD RTR Exploded View Parts Diagram</p> <p>Exploded view parts diagram for the Losi 22S Sprint 2WD RTR, detailing all components and their part numbers for easy identification and replacement.</p>
	<p>Losi Micro-T 1/28 2WD Truck RTR Exploded View Parts List</p> <p>Detailed exploded view and parts list for the Losi Micro-T 1/28 2WD Truck RTR, including part numbers and diagrams for assembly and maintenance.</p>
	<p>Losi 1/10-Scale 2WD Electric Sprint Car RTR - Instruction Manual</p> <p>Comprehensive instruction manual for the Losi 1/10-scale 2WD Electric Sprint Car RTR (LOS-1387 / LOS-2359). Covers setup, operation, maintenance, ESC programming, troubleshooting, and parts.</p>
	<p>Losi Micro-B 1/24 2WD Buggy Exploded View Parts Diagram</p> <p>Detailed exploded view parts diagram for the Losi Micro-B 1/24 2WD Buggy, listing all components and their part numbers. Essential for maintenance and understanding the vehicle's assembly.</p>
	<p>Losi 22S No Prep Drag Car 1/10 Scale RTR Instruction Manual</p> <p>This manual provides comprehensive instructions for operating, setting up, and maintaining the Losi 22S No Prep Drag Car, a 1/10 scale 2WD RTR radio-controlled vehicle. It covers safety, components, transmitter functions, receiver setup, ESC calibration, motor details, troubleshooting, and warranty information.</p>
	<p>Losi 22S Pro No Prep Drag Roller 1/10 Scale 2WD Instruction Manual</p> <p>This manual provides comprehensive instructions for the Losi 22S Pro No Prep Drag Roller, a 1/10 scale 2WD RC vehicle. It covers setup, operation, maintenance, troubleshooting, and warranty information.</p>

