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› [Traxxas](#) /

› Traxxas Spartan SR 36-inch Brushless Boat User Manual

Traxxas Spartan SR

Traxxas Spartan SR 36-inch Brushless Boat User Manual

Model: Spartan SR (TRA103076-4-RED)

1. INTRODUCTION AND OVERVIEW

This manual provides essential instructions for the setup, operation, and maintenance of your Traxxas Spartan SR 36-inch Brushless Boat. The Spartan SR is a high-performance, self-righting remote-controlled boat designed for speed and stability on the water. Please read this manual thoroughly before operating your boat to ensure safe and optimal performance.



An overhead view of the Traxxas Spartan SR 36-inch Brushless Boat in red, white, and blue livery, showcasing its deep-V hull design.

2. WHAT'S INCLUDED

Your Traxxas Spartan SR package includes the following components:

- Traxxas Spartan SR 6S High Performance Brushless Ready-To-Run (RTR) Race Boat

- Traxxas TQi 2.4GHz 2-Channel Transmitter
- Boat Stand
- Miscellaneous Maintenance Tools
- Product Manual (this document)

3. SETUP

3.1 Battery Installation

The Spartan SR is designed to operate with either NiMH (14 cells, 16.8 volts) or LiPo (4-6 cells, 14.8 to 22.2 volts) battery packs. Ensure batteries are fully charged before installation. The extra-long 218 mm battery tray allows for fore and aft positioning to optimize weight distribution. Secure batteries firmly using the provided retention system to prevent shifting during operation.

3.2 Transmitter Setup

The TQi 2.4 GHz Radio System provides precise control. Install four AA batteries (not included) into the transmitter. Power on the transmitter before powering on the boat. The system automatically stores and loads settings for up to 30 Traxxas Link enabled models. Familiarize yourself with the programmable multi-function knob for adjusting settings like Traxxas Stability Management (TSM).

3.3 Initial Checks

- Verify all connections are secure within the quick-release electronics tray.
- Ensure the rigid injection-molded clipless hatch is properly sealed using the four quick-release hatch nuts. A foam seal is integrated to prevent water ingress.
- Check the propeller for any damage and ensure it is securely fastened.
- Confirm rudder movement corresponds correctly with transmitter input.

4. OPERATING INSTRUCTIONS

4.1 Powering On

Always power on your TQi transmitter first, then connect the batteries to the boat's VXL-6s Marine Electronic Speed Control (ESC). The ESC will emit a series of tones indicating successful power-up and battery cell count.

4.2 Drive Profiles

The VXL-6s Marine ESC offers three distinct drive profiles:

- **Sport Mode:** Provides forward, brake, and reverse functionality.
- **Race Mode:** Offers forward and brake only, disabling reverse for competitive use.
- **Training Mode (Patented):** Limits forward power to 50% while retaining brake and 50% reverse, ideal for new operators.

Refer to the ESC programming instructions for details on how to switch between these modes.

4.3 Traxxas Stability Management (TSM)

TSM assists in maintaining straight-line acceleration and control, especially in rough water conditions. It can be adjusted from off to 100% assistance directly from the TQi transmitter's multi-function knob. TSM does not dull

throttle or slow the vehicle, allowing for full power output.

4.4 Self-Righting Feature

The Spartan SR features a self-righting flood chamber. If the boat flips over, the flood chamber fills with water, shifting the center of gravity and allowing the boat to automatically right itself. Once upright, the water drains, and normal operation can resume.

4.5 Safety Precautions

- Always operate in open water, away from swimmers, wildlife, and other watercraft.
- Never operate the boat if the hull or hatch seal is compromised, as water ingress can damage electronics.
- Be aware of your surroundings and maintain a safe distance from shore.
- Disconnect batteries immediately after use and allow components to cool.

5. MAINTENANCE

5.1 After Each Use

- Remove the hatch and drain any accumulated water from the hull.
- Inspect the propeller for damage or debris. Clean if necessary.
- Wipe down the hull and electronics tray with a soft, dry cloth.
- Check all electrical connections for corrosion or looseness.
- Ensure the water-cooled jacket on the Velineon 540XL motor and VXL-6s ESC is clear of obstructions.

5.2 Periodic Maintenance

- Lubricate moving parts of the rudder and propeller shaft as recommended by Traxxas.
- Inspect the foam seal on the hatch for wear or damage and replace if necessary to maintain watertight integrity.
- Check battery connectors for signs of wear or overheating.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your Traxxas Spartan SR.

- **Boat Not Responding to Transmitter:** Ensure both the transmitter and boat are powered on. Check battery levels in both devices. Re-bind the transmitter and receiver if necessary.
- **Loss of Power or Intermittent Operation:** Verify battery connections are secure and fully charged. Inspect motor and ESC connectors (5.5mm bullets) for corrosion or damage. Check for obstructions in the propeller or rudder.
- **Water Inside Hull:** Immediately cease operation. Inspect the hatch seal and ensure it is properly seated and free of debris. Check for any cracks or damage to the hull. Ensure all quick-release hatch nuts are tightened.
- **Boat Flips and Does Not Self-Right:** Ensure batteries are securely fastened in the battery tray and have not shifted, which could affect the boat's balance and the self-righting mechanism.
- **Reduced Speed or Performance:** Check for propeller damage or entanglement. Ensure the motor and ESC are not overheating (water cooling system functioning). Verify battery health and charge.

For more detailed troubleshooting or issues not listed here, please refer to the official Traxxas support resources.

7. SPECIFICATIONS

Feature	Specification
Hull Type	Deep-V
Hull Material	Vacuum-Formed ABS
Hull Length	36.5 inches (927 mm)
Overall Length	40.8 inches (1037 mm)
Beam	9.5 inches (243 mm)
Height	7.2 inches (183 mm)
Propeller	2-Blade (59 mm Pitch)
Propeller Length	1.65 inches (42 mm)
Skill Level	2
Power Source	Electric
Battery Tray Dimensions (LxW)	8.58 x 2.76 inches (218 x 70 mm)
Battery Connector	Traxxas iD
Motor Connectors	5.5mm Bullets
Assembly Level	Ready-To-Run (RTR)
Maximum Speed	Up to 50 MPH (with dual 3s LiPo batteries)

8. WARRANTY AND SUPPORT

For warranty information, technical support, or replacement parts, please visit the official Traxxas website or contact Traxxas customer service directly. Keep your proof of purchase for any warranty claims.

You can find more information and support resources by visiting the [Traxxas Store on Amazon](#).

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question