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volantexrc Vector SR48

volantexrc Vector SR48 Brushless RC Boat Instruction Manual

Model: Vector SR48 (EXA79704)

INTRODUCTION

This manual provides essential information for the safe operation, setup, maintenance, and troubleshooting of your volantexrc Vector SR48 Brushless RC Boat. Please read this manual thoroughly before operating the boat to ensure proper function and longevity of the product.

The Vector SR48 is a high-speed remote control boat featuring a powerful brushless motor, designed for use in lakes and other suitable bodies of water. It includes advanced features such as auto self-righting and a reverse function for enhanced control.



Image: The volantexc Vector SR48 Brushless RC Boat in action on the water.

SAFETY PRECAUTIONS

- Always operate the boat in open water, away from swimmers, wildlife, and other watercraft.
- Do not operate in saltwater, as it can damage internal components.
- Ensure all hatches are securely closed before placing the boat in water to prevent water ingress.
- Keep fingers and loose clothing away from the propeller when the boat is powered on.
- Supervise children at all times during operation.
- Do not attempt to retrieve a stalled boat by swimming. Use a retrieval device or another boat.
- Always remove the battery from the boat and transmitter when not in use.
- Charge batteries only with the provided charger and follow all charging instructions carefully.

PACKAGE CONTENTS

The volantexrc Vector SR48 comes as a Ready-To-Run (RTR) package. Please verify all components are present:

- Vector SR48 RC Boat
- 2.4GHz Remote Control Transmitter
- 11.1V 1000mAh Lithium Polymer Battery
- Lipo Battery Charger
- Boat Stand
- Instruction Manual



Image: The Vector SR48 boat, remote control, battery, charger, and boat stand included in the Ready-To-Run package.

SETUP

1. Charging the Boat Battery

The boat is powered by an 11.1V 1000mAh Lithium Polymer (LiPo) battery. Use only the provided LiPo battery charger.

1. Connect the LiPo battery to the charger.
2. Plug the charger into a suitable power source.
3. Monitor the charging process. The indicator light on the charger will change when charging is complete. Refer to the charger's specific instructions for details.
4. **Important:** Never leave charging batteries unattended. Disconnect the battery once fully charged.

2. Installing Transmitter Batteries

The remote control transmitter requires 4x AA batteries (not included).

1. Open the battery compartment on the back of the transmitter.
2. Insert 4x AA batteries, ensuring correct polarity (+/-).
3. Close the battery compartment securely.



Image: Diagram showing the remote control transmitter layout, including the battery compartment for 4x AA batteries.

3. Installing the Boat Battery

1. Carefully remove the top hatch of the boat.
2. Place the charged LiPo battery into the battery compartment inside the hull.
3. Connect the battery connector to the boat's power connector.
4. Ensure all wires are tucked away and do not interfere with the hatch closure.
5. Securely close the top hatch to maintain the boat's waterproof integrity.

OPERATING INSTRUCTIONS

1. Powering On and Pairing

1. Place the boat on a stable surface (not in water yet).
2. Turn on the boat's power switch (located inside the hull, near the battery).

3. Turn on the remote control transmitter using the On/Off switch.
4. The boat and transmitter should automatically pair. A successful pairing is usually indicated by a solid light on both devices.
5. Once paired, gently place the boat in the water. The propeller will only activate when the boat is in water to prevent accidental injury.

2. Basic Controls

- **Throttle:** Use the trigger on the transmitter to control forward and reverse speed. Pull for forward, push for reverse. The full-throttle control allows for precise speed adjustments.
- **Steering:** Use the steering wheel on the transmitter to turn the boat left or right.
- **Steering Trim:** Adjust the steering trim dial to ensure the boat travels straight when the steering wheel is centered.
- **Dual Rate Function:** This function adjusts the sensitivity of the steering, allowing for finer control or wider turns.

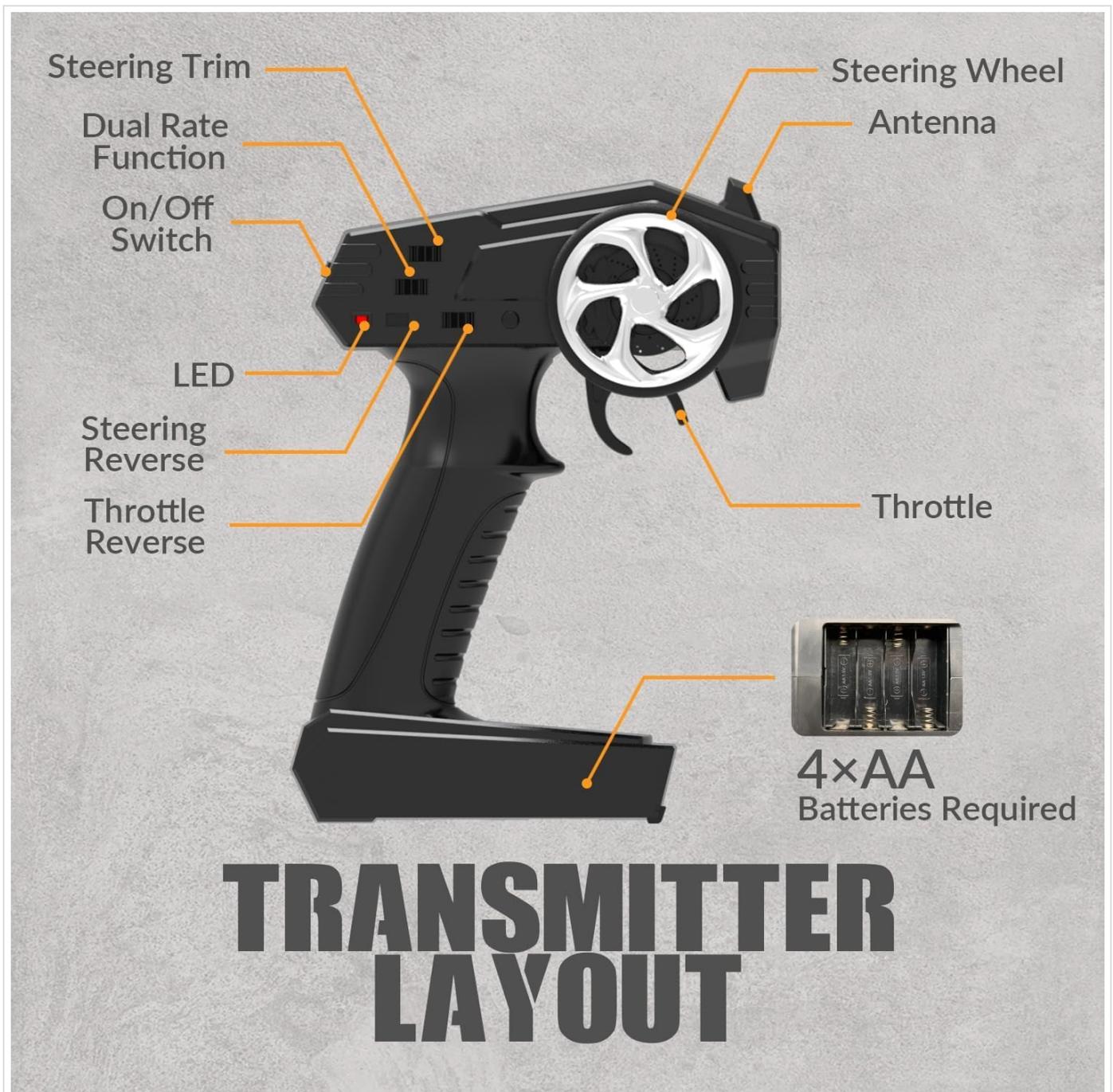


Image: Detailed diagram of the remote control transmitter, highlighting the steering wheel, throttle, steering trim, and dual rate function.

3. Special Features

- **Auto Self-Righting:** If the boat capsizes, apply throttle briefly. The boat is designed to automatically flip back upright.
- **Reverse Function:** The boat is equipped with a reverse function to help navigate out of tight spots or avoid obstacles. Push the throttle trigger forward to engage reverse.
- **2.4GHz Radio Control:** This system provides a control range of over 656 feet (200 meters) and excellent interference resistance, allowing multiple boats to operate simultaneously.



Image: Illustration demonstrating the boat's auto self-righting capability, showing it flipping back upright after capsizing.

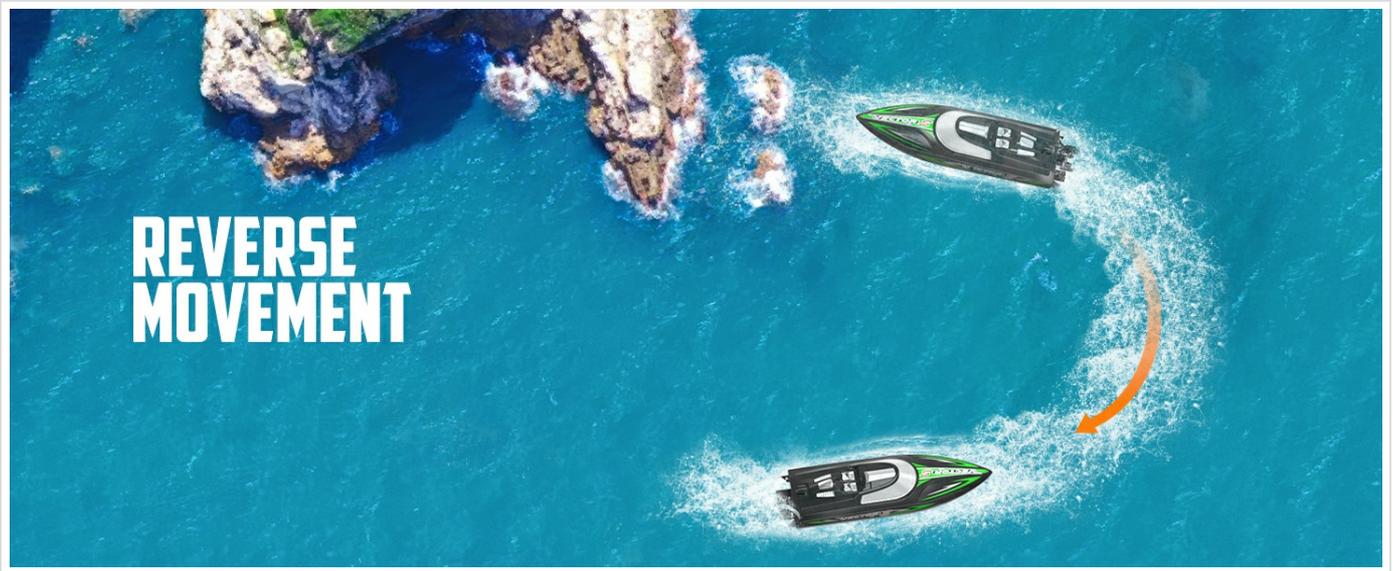


Image: Aerial view showing the boat performing a reverse maneuver to change direction.

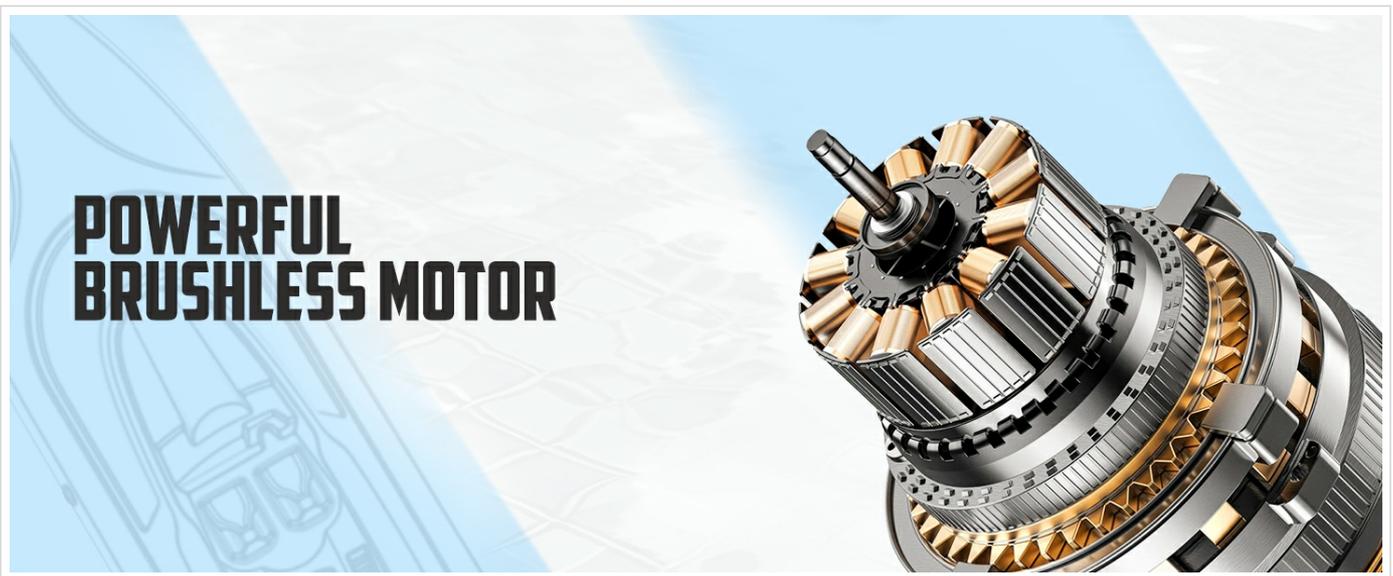


Image: Two remote control boats racing on water, illustrating the 2.4GHz radio control system's ability to handle multiple boats simultaneously.

4. Low Battery and Over Range Alarm

The transmitter will emit an audible alarm when the boat's battery is low or if the boat goes out of range. When this alarm sounds, immediately guide the boat back to shore to prevent it from becoming stranded.



Image: Graphic illustrating the remote control beeping to indicate low battery or that the boat is exceeding its 656ft range.

MAINTENANCE

1. After Each Use

- Remove the boat from the water and turn off both the boat and transmitter.
- Disconnect and remove the battery from the boat. Allow it to cool before recharging.
- Open the boat's hatch and carefully drain any accumulated water. Wipe the interior dry with a soft cloth.
- Clean the exterior of the boat with a damp cloth to remove dirt or debris.
- Inspect the propeller, rudder, and cooling system for any obstructions or damage.



Image: Close-up view of the boat's hull and hatch, illustrating the waterproof sealing system designed to keep water out.

2. Battery Care and Storage

- Store LiPo batteries in a cool, dry place, away from direct sunlight and heat sources.
- Do not store fully charged or fully discharged LiPo batteries for extended periods. Charge them to a storage voltage (typically around 3.8V per cell) if storing for more than a few days.
- Never puncture or damage LiPo batteries. Dispose of damaged batteries properly according to local regulations.

3. Motor Cooling System

The brushless motor is water-cooled to ensure optimal performance and longevity. Regularly check the water intake and outlet for any blockages. Ensure water flows freely through the system during operation.



Image: Cutaway diagram of the powerful brushless motor, highlighting its internal components and the water-cooling mechanism.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Boat does not respond to transmitter.	Boat or transmitter not powered on. Batteries are low or dead. Not paired correctly. Boat not in water (propeller safety feature).	Ensure both boat and transmitter are switched on. Replace or recharge batteries. Re-pair the boat and transmitter (refer to Operating section). Place the boat in water.
Boat is slow or lacks power.	Low boat battery. Propeller obstructed. Water ingress in hull.	Recharge boat battery. Check and clear propeller of debris. Remove boat from water, drain, dry, and ensure hatch is sealed.
Boat does not steer straight.	Steering trim needs adjustment. Rudder damage or obstruction.	Adjust the steering trim on the transmitter. Inspect rudder for damage or debris.
Transmitter alarm sounds.	Low boat battery. Boat is out of range.	Immediately return the boat to shore. Recharge battery. Immediately return the boat to shore. Stay within the 656ft operating range.

SPECIFICATIONS

Feature	Detail
Model Number	EXA79704 (Vector SR48)
Dimensions (L x W x H)	17.7 x 8 x 7 inches (approx. 45 x 20 x 18 cm)
Item Weight	2.64 pounds (approx. 1.2 kg)
Max Speed	30+ MPH
Motor Type	Water-cooled Brushless Motor
Radio System	2.4 GHz
Control Range	Over 656 feet (200 meters)
Boat Battery	11.1V 1000mAh Lithium Polymer (LiPo)
Transmitter Batteries	4x AA (not included)
Protection Features	Auto Self-Righting, Low Battery Alarm, Weak Signal Alarm, Waterproof System



Image: Infographic summarizing key specifications of the Vector SR48 RC boat, including dimensions, speed, radio system, and battery.

WARRANTY AND SUPPORT

For warranty information, please refer to the documentation included with your purchase or contact [volantexrc](#) directly. Details regarding specific warranty periods and coverage can be obtained from the manufacturer.

For technical support, replacement parts, or further assistance, please visit the official [volantexrc](#) website or contact their customer service department. Contact information is typically available on the product packaging or the brand's official online store.

You can find more information and contact details at the [volantexrc Store on Amazon](#).