

RIAARIO 7fc91c49-0f50-4d92-9253-3256df481b13

RIAARIO 1/14 Brushless RC Truck User Manual

Model: 7fc91c49-0f50-4d92-9253-3256df481b13

INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your RIAARIO 1/14 Brushless RC Truck. Please read this manual thoroughly before operating the vehicle to ensure proper usage and to maximize your enjoyment.

The RIAARIO 1:14 Brushless Hobby RC Car is equipped with a 2847 3200 KV brushless motor, metal heatsink, and cooling fans for efficient power delivery. It features an independent receiver and 45A ESC, offering upgrade potential. The vehicle boasts 4WD with metal gears and differential for stability and sustained power, along with 89mm tires and M3 nuts for a smooth ride. Constructed with 6061 wheel alloy metal materials, it is designed for durability. An adjustable pull rod and a 3.5kg torque three-wire servo enhance adaptability. Anti-sway bars minimize overturning risk during turns, and oil-filled shock absorbers contribute to smoother high-speed driving. This racing car includes a 2S 7.4V 2800 mAh 25C rechargeable LiPo battery.



Image: The RIAARIO 1/14 Brushless RC Truck, showcasing the vehicle, remote control, battery, motor, and various included accessories and parts.

WHAT'S IN THE BOX

Verify that all components listed below are present in your package:

- RIAARIO 1/14 Brushless RC Truck (assembled)
- 2.4 GHz 4CH Radio Control Transmitter
- 2S 7.4V 2800 mAh 25C Rechargeable LiPo Battery
- Charging Cable
- Tool Kit
- Hub Gasket
- Nylon 12mm Adapter
- M3 Nut
- Front Wheel C-seat Steering Seat
- Tail Wing + Head Up Wheel
- Sticker Sheet

- Blue Car Shell (additional)



Image: A detailed view of the RIAARIO RC Truck's packaging contents, including the truck, remote, battery, charger, and various spare parts and tools.

SETUP

1. Battery Charging

Before first use, fully charge the included 2S 7.4V 2800 mAh LiPo battery. Connect the charging cable to the battery and a suitable USB power source. The charging indicator will show the charging status. Do not leave charging batteries unattended.



Image: The 2800mAh LiPo battery and its USB charging cable.

2. Transmitter Battery Installation

Install AA batteries (not included) into the remote control transmitter. Ensure correct polarity.

3. Vehicle Preparation

- Securely install the charged LiPo battery into the vehicle's battery compartment.
- Attach the optional tail wing and head-up wheel if desired, using the provided hardware.
- Apply stickers to the car shell as per your preference.
- Before the first run, it is recommended to check and tighten all wheel nuts and screws/bolts on the vehicle to ensure everything is secure.

2.4 Ghz 4CH Radio Control

DISTANCE:500FT



TURBO FUNCTION
SUPPORTS LI-ON BATTERY (RECHARGEABLE) AND AA BATTERY

Image: The RC truck highlighting its 89mm large tires and adjustable pull rods, indicating customizable setup options.

OPERATING INSTRUCTIONS

1. Power On Sequence

1. Turn on the transmitter first.
2. Then, turn on the RC truck. The vehicle and transmitter should automatically bind.

2. Transmitter Controls

SPLIT CARBON STEEL LIMITED SLIP TRANSMISSION SYSTEM

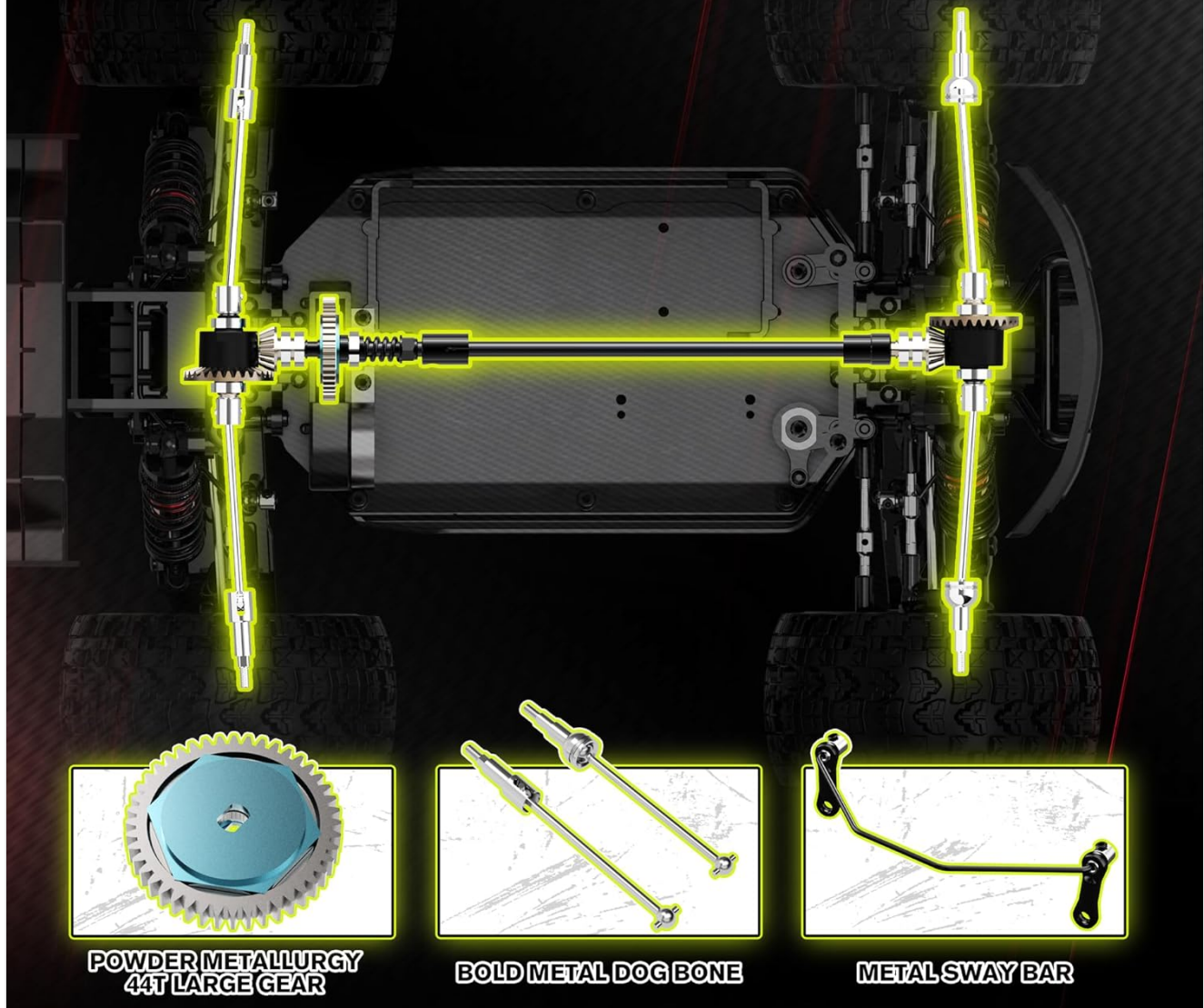


Image: Diagram of the 2.4 GHz 4-channel radio control transmitter, detailing its various buttons and controls.

- **Steering Wheel (Channel 1):** Controls left and right steering.
- **Throttle/Braking Trigger (Channel 2):** Pull for forward motion, push for reverse/braking.
- **Steering Trim:** Adjusts the neutral steering position.
- **Throttle Trim:** Adjusts the neutral throttle position.
- **Steering Dual Rate (ST. D/R):** Adjusts the maximum steering angle.
- **Throttle Limiter (TH. LIMIT):** Limits the maximum throttle output, useful for beginners.
- **Power Switch:** Turns the transmitter on/off.
- **Steering Reverse Switch (for Channel 1):** Reverses steering direction.
- **Throttle Reverse Switch (for Channel 2):** Reverses throttle direction.
- **Channel 3 Button:** Auxiliary function.
- **Channel 4 Button:** Auxiliary function.
- **Reverse Switch for Channel 3:** Reverses Channel 3 function.
- **Reverse Switch for Channel 4:** Reverses Channel 4 function.

3. Driving Tips

- Start with the throttle limiter set to a lower percentage until you are comfortable with the vehicle's speed and handling.
- Avoid operating the vehicle in deep water or extremely muddy conditions, despite its waterproof features, to prevent potential damage to electronics.
- The vehicle is designed for high-speed operation and stunts. Practice in open areas away from obstacles and people.
- The anti-sway bars and oil-filled shock absorbers enhance stability during turns and over rough terrain.



Image: The RC truck mid-air after a jump, illustrating the function of the head-up wheel for stability during braking and the oil-filled shocks for smooth landings.

MAINTENANCE

Regular maintenance will extend the life and performance of your RC truck.

- **Cleaning:** After each use, especially in dusty or dirty conditions, clean the vehicle to remove debris. Use a soft brush or compressed air. Avoid using water directly on electronics.
- **Inspections:** Regularly inspect all screws, nuts, and bolts for tightness. Vibrations from operation can loosen

fasteners.

- **Lubrication:** Periodically check and lubricate moving parts such as gears and bearings as needed.
- **Battery Care:** Store LiPo batteries in a cool, dry place at storage voltage (around 3.8V per cell) if not used for extended periods. Do not overcharge or over-discharge.
- **Motor and ESC:** Ensure the motor's heatsink and cooling fans are free from obstructions to maintain optimal performance and prevent overheating.



Image: Close-up of the brushless motor with its heatsink and cooling fans, alongside the independent 45A ESC, emphasizing the cooling system.

89 MM LARGE TIRE & ADJUSTABLE PULL ROD



Image: An exploded diagram illustrating the split carbon steel limited slip transmission system, including powder metallurgy large gear, bold metal dog bones, and metal sway bar components.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Vehicle does not respond to transmitter.	Battery low/dead in vehicle or transmitter; not properly bound; power switch off.	Charge vehicle battery, replace transmitter batteries, ensure both are powered on and bound correctly.
Reduced speed or power.	Low battery; motor/ESC overheating; debris in drivetrain; throttle limiter engaged.	Recharge battery, allow components to cool, clean drivetrain, check throttle limiter setting on transmitter.
Steering issues (e.g., pulls to one side).	Steering trim incorrect; damaged steering servo/linkage.	Adjust steering trim on transmitter; inspect and replace damaged parts.

Problem	Possible Cause	Solution
Unusual noises during operation.	Debris in gears; worn gears; loose components.	Inspect and clean gears, check for worn parts and tighten loose components.

If problems persist, please contact RIAARIO customer support for assistance.

SPECIFICATIONS

- **Model:** 7fc91c49-0f50-4d92-9253-3256df481b13
- **Scale:** 1:14
- **Motor:** 2847 3200 KV Brushless Motor with Metal Heatsink and Cooling Fans
- **ESC:** 45A Independent ESC (supports 3S)
- **Drive System:** 4WD (Four-Wheel Drive) with Metal Gears and Differential
- **Speed:** Up to 30 MPH (with 2S LiPo), 45+ MPH (with 3S LiPo, not included)
- **Battery:** 2S 7.4V 2800 mAh 25C Rechargeable LiPo Battery (included)
- **Remote Control:** 2.4 GHz 4-Channel Radio Control (500 feet range)
- **Tires:** 89mm Large Tires with M3 Nuts
- **Shock Absorbers:** Oil-Filled
- **Servo:** 3.5kg Torque Three-Wire Servo
- **Material:** 6061 Wheel Alloy Metal Materials, Adjustable Pull Rod
- **Dimensions:** 13 x 5 x 9 inches (Product Dimensions)
- **Item Weight:** 6 pounds
- **Recommended Age:** 14 years and up



Image: Technical drawing illustrating the front, back, and side dimensions of the RIAARIO 1/14 RC Truck.

Safety Information

- Always operate the RC truck in a safe, open area away from people, pets, and obstacles.
- Do not operate near public roads or in areas with vehicle traffic.
- Keep fingers, hair, and loose clothing away from moving parts (wheels, gears, driveshafts).
- Supervise children when operating the vehicle. Recommended age is 14 years and up.
- Handle LiPo batteries with care. Do not puncture, short-circuit, or expose to extreme temperatures. Use only the provided charging cable or a compatible LiPo charger.
- If the vehicle becomes stuck, do not force it. Turn off the power and manually retrieve it.
- Do not modify the vehicle's electronics or motor unless you are an experienced hobbyist, as this may void the warranty and cause damage.



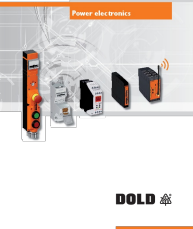
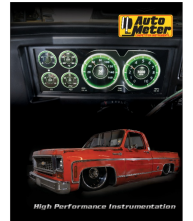

Warranty and Support



For warranty information or technical support, please refer to the documentation included with your product or visit

the official RIAARIO website. You can also contact RIAARIO customer service through the platform where you purchased the product.

Note: Please do not steer at full speed until you have mastered the driving skills. This is a fast monster truck. If you have any questions during use, do not hesitate to contact us. A troubleshooting guide may also be included in the product box; please read it carefully.

Related Documents - 7fc91c49-0f50-4d92-9253-3256df481b13

	<p>Riaario 1:18 Scale High-Speed RC Car Troubleshooting Guide</p> <p>A comprehensive troubleshooting guide for the Riaario 1:18 Scale High-Speed Brushed RC Car, covering common issues with steering, wheels, battery, and control, along with their solutions.</p>
	<p>Mackenzie Sofa and Sectional by SU CASA - Product Specifications and Pricing</p> <p>Detailed product information, dimensions, model numbers, and pricing for the SU CASA Mackenzie Sofa and Mackenzie Sectional collections. Explore various configurations and customization options.</p>
	<p>DOLD Power Electronics Catalog: Relays, Contactors, Softstarters & Motor Control</p> <p>Explore DOLD's comprehensive range of power electronics solutions, including solid-state relays, contactors, softstarters, motor brake relays, and control units for industrial applications. Find technical specifications and product details.</p>
	<p>AutoMeter High Performance Instrumentation Catalog</p> <p>Explore AutoMeter's comprehensive catalog of high-performance automotive instrumentation, including digital dashes, gauges, speedometers, tachometers, and accessories for various vehicle applications. Discover advanced technology and durable designs for racing and street use.</p>
	<p>Illuxtron CE Declarations of Conformity for Lighting Products</p> <p>Official CE Declarations of Conformity from Illuxtron International B.V. covering a wide range of lighting products including ceiling plates, downlights, track spots, and power supply units.</p>

 <small>SELECTION GUIDE</small> Optoisolation and Optical Sensor Products  <small>broadcom.com</small>	<p>Broadcom Optoisolation and Optical Sensor Products Selection Guide</p> <p>Comprehensive selection guide from Broadcom covering optoisolation and optical sensor products, detailing features, applications, and upgrade paths for various industrial, automotive, and consumer electronics needs.</p>
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