

RIAARIO R-006

RIAARIO 1:14 RTR Brushless RC Truck Instruction Manual - Model R-006

Brand: RIAARIO | Model: R-006

1. INTRODUCTION

This manual provides essential information for the safe operation, setup, maintenance, and troubleshooting of your RIAARIO 1:14 RTR Brushless RC Truck, Model R-006. Please read this manual thoroughly before operating the vehicle to ensure proper function and longevity.



Image 1: The RIAARIO 1:14 RTR Brushless RC Truck, Model R-006, showcasing its design and robust tires.

2. SAFETY INFORMATION

- Always operate the RC truck in open areas, away from people, pets, and obstacles.
- Do not operate near public roads or in crowded environments.
- Keep hands, hair, and loose clothing away from moving parts.
- Ensure the battery is fully charged and securely installed before operation.
- Turn off the vehicle and transmitter when not in use.
- This product is recommended for users aged 14 years and up.

- Avoid exposing electronic components to water or extreme temperatures.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- RIAARIO 1:14 RTR Brushless RC Truck (Model R-006)
- 2.4GHz Proportional Remote Control Transmitter
- 1 Lithium Polymer Battery (included)
- Upgraded Bumper (1 set)
- Dog Bone (2 sets)
- Body Clip Pin (4 pieces)
- Swing Arm Kit (4 sets)
- Tire Assembly Screw Kit (4 sets)
- Cross Wrench (1 piece)
- Screwdriver (1 piece)
- USB Cable (1 piece)
- Instruction Manual (this document)



FREE SPARE PARTS KIT!

Repair, refit, and DIY your OWN buggy!



RIAARIO is selling the upgraded accessories for refitting and the original parts for repair!



You will get lots of parts for free:

- Upgraded Bumper * 1 set
- Dog Bone * 2 sets
- Body Clip Pin * 4 pcs
- Swing Arm Kit * 4 sets
- Tire Assembly Screw Kit * 4 sets
- Cross Wrench * 1 pc
- Screwdriver * 1 pc
- USB Cable * 1 pc
- Instruction Manual * 1 pc
- Controller * 1 pc

Image 2: Overview of the RIAARIO RC Truck and its accompanying spare parts kit, including tools and various components.

4. SETUP

4.1 Battery Installation and Charging


1. Ensure the vehicle and transmitter are powered off.
2. Locate the battery compartment on the underside of the vehicle.
3. Connect the included Lithium Polymer battery to the vehicle's ESC.
4. Secure the battery within its compartment using the provided strap.

5. To charge the battery, use the provided USB cable and connect it to a compatible USB power source. Refer to the battery's specific charging instructions for optimal performance and safety.

4.2 Transmitter Setup


The 2.4GHz proportional transmitter allows for precise control. It requires 3 AA batteries (not included).

- 1. Install 3 AA batteries into the transmitter's battery compartment.
- 2. Turn on the transmitter, then turn on the vehicle. The LED on the transmitter will indicate a successful connection.



500FEET 2.4GHz LONGER REMOTE

Proportional & Professional Transmitter



FEATURE	CONTROL DISTANCE	500FEET	CONTROL MODE	PROPORTIONAL
	EMISSION FREQUENCY	2.4GHz	BATTERY REQUIRED	3 AA BATTERIES (NOT INCLUDED)

Part Name	Specification	Description
THROTTLE TRIM	10 levels	Control the speed, total 10 levels for selecting
STEERING RATE	5 levels	Adjust the turning ratio
STEERING TRIM	5 levels	Navigate the car in a straight line
THROTTLE REVERSE	N/A	Throttle forward / backward direction is reversed for the trigger
STEERING REVERSE	N/A	Turning right/left is reversed for the steering wheel
RX LIGHT	N/A	Light flashing indicates the remote control batteries are exhausted
TX LIGHT	N/A	Light flashing indicates the remote control and the car are not paired successfully
POWER SWITCH	N/A	Power on / off
STEERING WHEEL	Proportional	Proportionally turn left and right
THROTTLE TRIGGER	Proportional	Proportionally control the buggy forward, backward and braking

Image 3: The 2.4GHz proportional remote control transmitter, highlighting its various adjustment dials for steering and throttle.

5. OPERATING INSTRUCTIONS

5.1 Basic Controls

- **Throttle Trigger:** Pull to accelerate forward, push to brake/reverse.
- **Steering Wheel:** Turn left or right to steer the vehicle.

5.2 Transmitter Adjustments

The transmitter features several adjustable settings for customized driving experience:

- **ST. TRIM:** Adjusts the neutral position of the steering.
- **TH. TRIM:** Adjusts the neutral position of the throttle.
- **ST. D/R (Steering Dual Rate):** Limits the maximum steering angle. Useful for beginners or high-speed driving.
- **TH. D/R (Throttle Dual Rate):** Limits the maximum throttle output. Useful for beginners or controlling speed in confined spaces.
- **ST. REV (Steering Reverse):** Reverses the steering direction.
- **TH. REV (Throttle Reverse):** Reverses the throttle direction.

5.3 Driving Tips

- Start with lower throttle dual rate settings until you are comfortable with the vehicle's speed.
- Practice steering and throttle control in an open, safe area.
- The vehicle is designed for various terrains, including dirt, asphalt, and skate parks.



SPEED UP TO 75-80KMH

90+KMH with a 3S Lipo battery - NOT included






	Upgraded Front Foam Bumper	Rubber Wheel for All Terrain	Rear Bumper with Wheelie Bar
Illustration			
Material	Foam and Plastic	Rubber	Nylon
Size	4.8x2.4inches	Dia.2.8inches	3.7x1.9inches
Feature	Armor accessory;defense against impacts and ensure your car safety.	Rubber material for better elasticity, wear resistance, heat resistance,chemical stability, more powerful grip; allow the car to adapt and conquer more terrains.	Armor accessory; to defense against impacts and ensure your car safety; Wheelie Bar prevents the vechicle from flipping over during wheelie stands.

Image 4: The RIAARIO RC Truck demonstrating its capability on sandy terrain, highlighting its speed and all-terrain tires.

5.4 Product Video

Your browser does not support the video tag.

Video 1: An official product video showcasing the RIAARIO RC car's performance and features, including its speed and handling.

6. MAINTENANCE

6.1 General Cleaning

After each use, especially in dusty or dirty conditions, clean the vehicle to prevent debris buildup:

- Use a soft brush or compressed air to remove dirt and dust from the chassis, suspension, and wheels.
- Wipe down the body with a damp cloth.
- Inspect for any loose screws or damaged parts.

6.2 Shock Maintenance

The oil-filled shocks require periodic inspection:

- Check for oil leaks around the shock seals.
- Ensure smooth operation of the shocks. Replace or refill oil if necessary.

6.3 Drivetrain Inspection

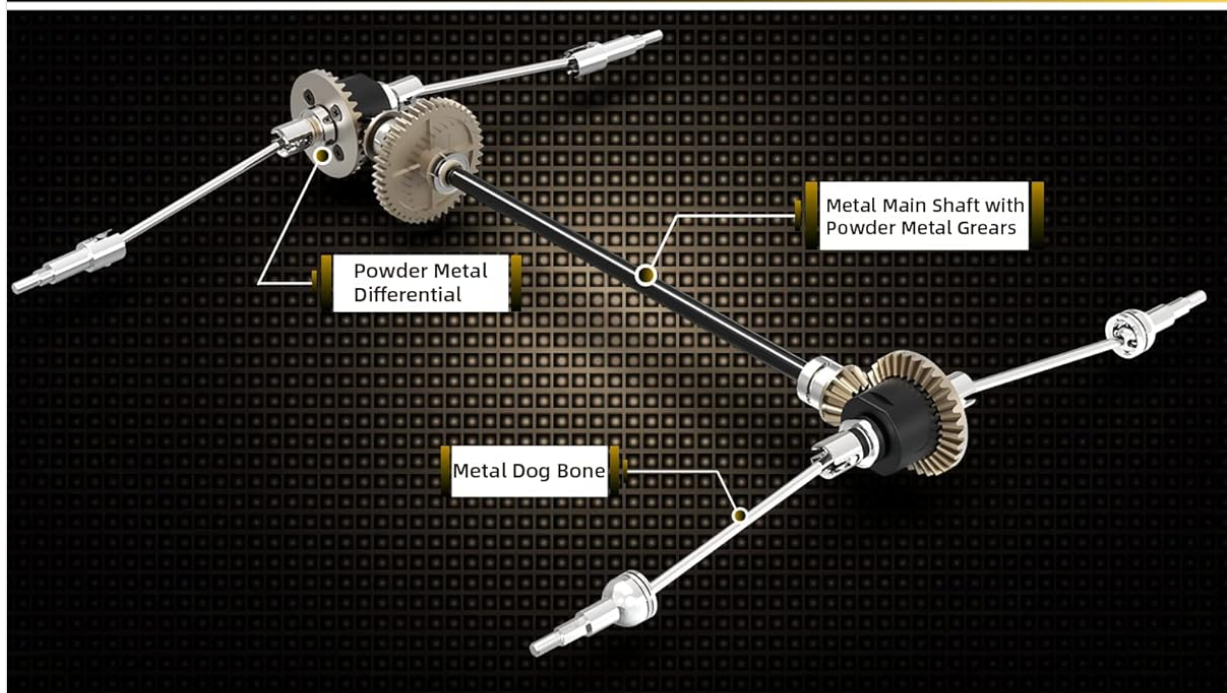
Regularly inspect the powder-gear drive system and other drivetrain components:

- Check gears for wear or damage.
- Ensure all drive shafts (CVDS) are clean and free from obstruction.
- Lubricate moving parts as recommended by RC hobby standards.



POWDER METAL DRIVETRAIN

For reliability, stability and fast speed during extreme bashing






	Powder Metal Differential	Powder Metal Main Shaft	Metal Dog Bones
Illustration			
Material	Gear: Powder Metal	Gear: Powder Metal	Alloy Metal
Feature	The front and back powder metal differential which is purpose-built to rip full-throttle through the turns and the main shaft withstand huge torque, have been chosen for reliability, stability and fast speed during extreme bashing.		

Image 5: A detailed illustration of the RIAARIO RC Truck's powder metal drivetrain, including differentials, main shaft, and metal dog bones, designed for durability.

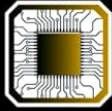
7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Vehicle does not respond to transmitter.	Low battery in vehicle or transmitter; not paired.	Charge vehicle battery, replace transmitter batteries, re-pair transmitter and vehicle.

Problem	Possible Cause	Solution
Reduced speed or power.	Low vehicle battery; motor/ESC overheating; drivetrain obstruction.	Recharge battery, allow components to cool, clear any obstructions from drivetrain.
Steering is erratic or unresponsive.	Steering servo issue; loose steering linkage; low transmitter battery.	Check steering servo connections, tighten linkages, replace transmitter batteries.
Vehicle makes unusual noises.	Damaged gears; debris in drivetrain.	Inspect and clean gears, replace any damaged components.

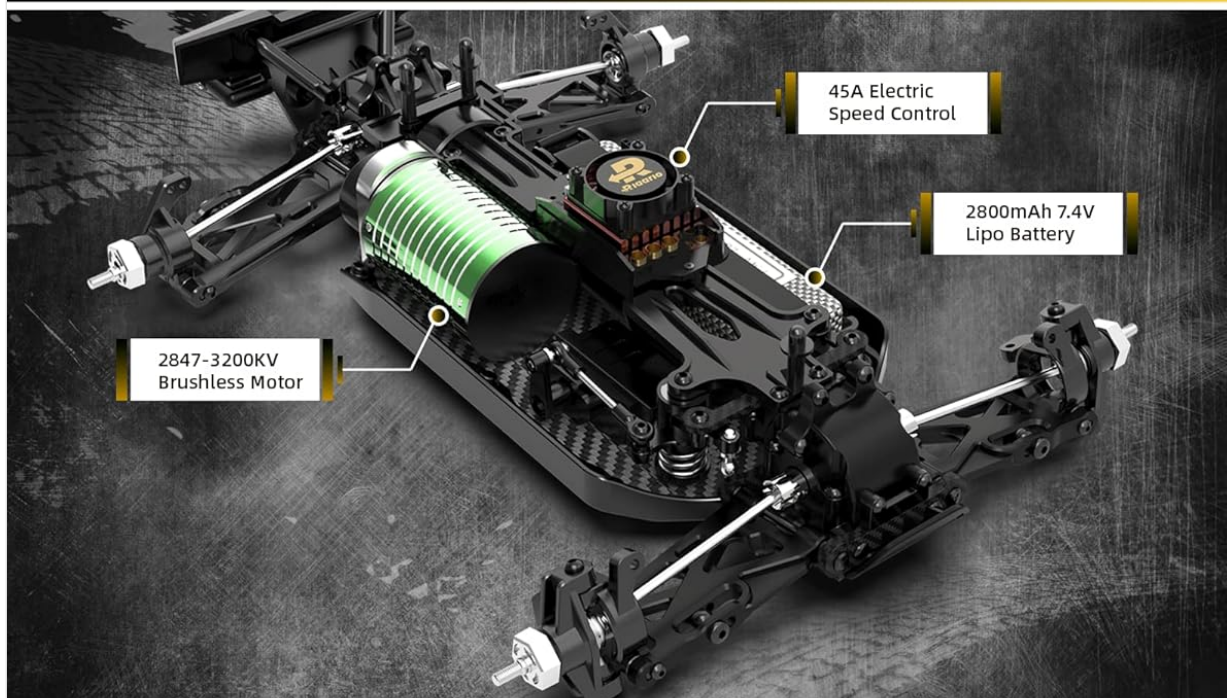
8. SPECIFICATIONS

- **Brand:** RIAARIO
- **Model:** R-006
- **Scale:** 1:14
- **Motor:** 2847-3200KV Brushless Motor
- **ESC:** 45A Brushless ESC
- **Max Speed:** Up to 75-80 KM/H (90+ KM/H with 3S LiPo, not included)
- **Drivetrain:** 4X4 All-Wheel Drive, Powder-Gear System
- **Chassis:** Carbon Fiber Chassis
- **Shocks:** Oil-Filled Shocks with Coil-Over Design
- **Servo:** 3.5 KG Metal Servo
- **Remote Control:** 2.4GHz Proportional Transmitter (up to 500 feet control distance)
- **Battery:** 1 Lithium Polymer battery (included)
- **Product Dimensions:** 5 x 5 x 5 inches
- **Item Weight:** 7.7 pounds
- **Recommended Age:** 14 years and up



ELECTRONIC CONTROL SYSTEM

Higher-performance, Run faster, Drive Smoother!



	Brushless Motor	Electric Speed Control	Rechargeable Polymer Battery
Illustration			
Specification	2847-3200KV 23680rpm	45A,support 2/3S	7.4V 2800mAh
Feature	The brushless motor is more highly integrated both in functional and physical characteristics, which has higher efficiency and lower susceptibility to mechanical wear comparing with brushed counterparts.	Splash waterproof ESC features overheat , over-current, anti-blocked protection, minimizes the risk of burnt motor. Low-battery-voltage-cutoff function is introduced to prevent overcharging battery.	Charging Time: 4-5hours Play Time: 10-15mins Test Report: MSDS and UN38.3

Image 6: An internal view of the RIAARIO RC Truck's electronic control system, detailing the brushless motor, 45A ESC, and 2800mAh 7.4V LiPo battery.

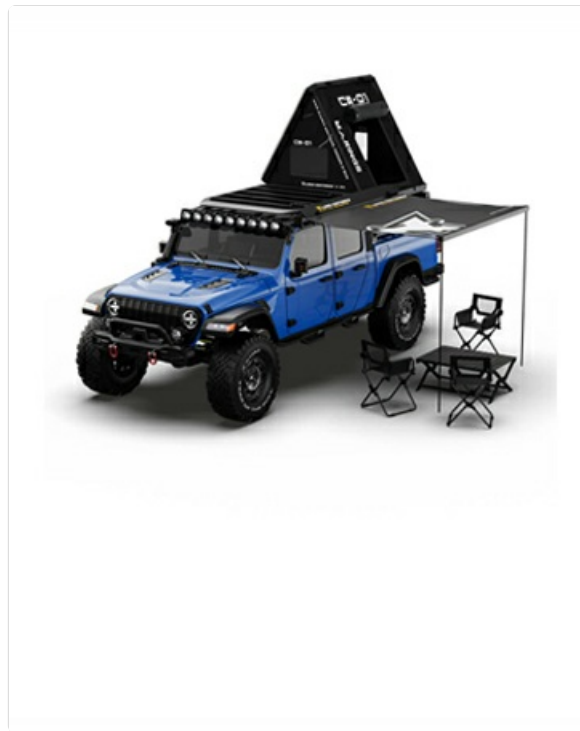


Image 7: Close-up view of the RIAARIO RC Truck's oil-filled shock absorbers, highlighting their design for improved handling.



CARBON FIBER CHASSIS & PARTS

The top material for RC car! Greatly improves vehicle safety!



Total 8 components are made in carbon fiber:

Chassis



1 piece

Shock Tower



2 pieces

Steering Linkage



1 piece

Fixed Part



4 pieces

Feature

【TOP CARBON FIBER CHASSIS】 Carbon fiber, the top material for RC car chassis, is five-time stronger than steel, twice as stiff and very lightweight. RC car chassis made of carbon fiber can absorb 90% shocks and vibrations without deformation from the engine, suspension and axles, which greatly improves vehicle safety.

Image 8: Illustration of the carbon fiber chassis and related components, emphasizing their lightweight and durable construction.

9. WARRANTY AND SUPPORT

For warranty information, technical support, or to purchase replacement parts, please visit the official RIAARIO website or contact their customer service. Keep your purchase receipt as proof of purchase.

Official RIAARIO Store: [Visit the RIAARIO Store on Amazon](#)

