

Redcat Racing PIRANHA-TR10

Redcat Racing Piranha-TR-10 Truggy Instruction Manual

MODEL: PIRANHA-TR10

Brand: Redcat Racing

1. INTRODUCTION

The **Redcat Racing Piranha TR10** is a completely **ready-to-run**, 1/10 scale **2WD radio controlled (RC) Truggy**. This manual provides essential information for setting up, operating, and maintaining your Piranha TR10 to ensure a fun and durable experience.

Designed for off-road performance, this electric truggy features a rear-wheel drive system, fully adjustable suspension, generous ground clearance, and aggressive off-road tires. It is equipped with a Hi-Torque 540 brushed motor, a waterproof 2-in-1 ESC/receiver combo, and a fully proportional 2.4GHz radio system for precise control.

2. WHAT'S IN THE BOX

Your Redcat Racing Piranha-TR-10 package includes the following components:

- RC Car (Piranha-TR10 Truggy)
- NiMH Battery Pack (2000mAh)
- 1A NiMH Battery Charger
- 2.4GHz Radio Transmitter
- AA Batteries for Transmitter (4x)

1:10TH SCALE 2WD ELECTRIC TRUGGY - PIRANHA-TR10

Exclusively available at Amazon. The Redcat Racing Piranha TR10 is a fully ready to run 1/10 scale 2 wheel drive remote control truggy. Everything is included to make your first experience into the world of hobby grade RC vehicles fast, affordable and fun. Enjoy speed and control with this Redcat Racing Piranha TR10 off-road electric truggy. This hobby grade RC has rear-wheel drive with a fully adjustable suspension and oil-filled shocks to handle challenging terrain. The Piranha TR10 includes 1 rechargeable 2000mAh NiMH batteries, a fast 1A charger and 4 AA batteries for the remote control.



Image: The Piranha-TR10 Truggy, 2.4GHz radio transmitter, NiMH battery, charger, and AA batteries.

3. KEY FEATURES

- **Completely Ready-to-Run:** Everything needed to start operating is included in the box.
- **Hobby Grade Performance:** 1/10 scale RC Truggy with tunable suspension, adjustable toe angle, camber, and a slipper clutch for enhanced performance and durability.
- **High-Speed Design:** Features a large rear wing and aggressive tires optimized for high-speed performance. The truggy platform provides buggy-like agility with added stability.
- **Powerful Electronics:** Equipped with a 540 brushed motor, a waterproof 2-in-1 Electronic Speed Controller (ESC) and receiver, a powerful steering servo, and a full-function proportional 2.4GHz radio system.

4. SETUP GUIDE

4.1 Charging the Battery

The included 2000mAh NiMH battery pack must be fully charged before first use. Connect the battery to the 1A NiMH battery charger and plug the charger into a suitable power outlet. Refer to the charger's indicator lights for charging status. Charging time may vary.

4.2 Installing Transmitter Batteries

Open the battery compartment on the back of the 2.4GHz radio transmitter. Insert the four (4) AA batteries, ensuring correct polarity (+/-). Close the battery compartment securely.

4.3 Connecting the Vehicle Battery

Carefully remove the truggy body clips and lift the body to access the chassis. Connect the fully charged NiMH battery pack to the ESC/receiver unit's battery connector. Ensure the connection is firm and secure.

4.4 Powering On

First, turn on the radio transmitter. Then, turn on the power switch on the truggy's ESC/receiver unit. The system should bind automatically. If not, refer to the troubleshooting section or the detailed PDF user guide.

5. OPERATING INSTRUCTIONS

5.1 Basic Controls

- **Steering Wheel:** Turn left or right to control the truggy's direction.
- **Throttle Trigger:** Pull the trigger to move forward. Push the trigger to engage the brake, and push again for reverse.

Familiarize yourself with the controls in an open, safe area before attempting high-speed maneuvers.



Image: Front-left view of the Redcat Racing Piranha-TR10 Truggy in blue.



Image: Side view of the Redcat Racing Piranha-TR10 Truggy, highlighting its sleek body and large wheels.



Image: The Piranha-TR10 Truggy positioned on a sand dune with a sunset backdrop, demonstrating its off-road capability.

5.2 Driving Environment

The Piranha TR10 is designed for off-road use. It performs well on dirt, gravel, and short grass. Avoid driving in deep water, mud, or extremely dusty conditions, despite its waterproof electronics, to prolong component life.



Image: The Piranha-TR10 Truggy on a dirt path surrounded by greenery, showcasing its natural habitat.

6. MAINTENANCE

6.1 Post-Run Cleaning

After each use, especially in dirty or dusty conditions, clean the truggy to remove dirt, debris, and moisture. Use a soft brush or compressed air for hard-to-reach areas. Avoid using water directly on electronics unless specifically designed for it (the ESC/receiver is waterproof, but general caution is advised).

6.2 Chassis and Suspension Inspection

Regularly inspect the chassis, suspension components, and drivetrain for any loose screws, damaged parts, or excessive wear. The Piranha TR10 features tunable suspension and oil-filled shocks, which may require occasional inspection and refilling of shock oil for optimal performance.



Image: Top-down view of the Piranha-TR10 Truggy chassis without the body, showing internal components.

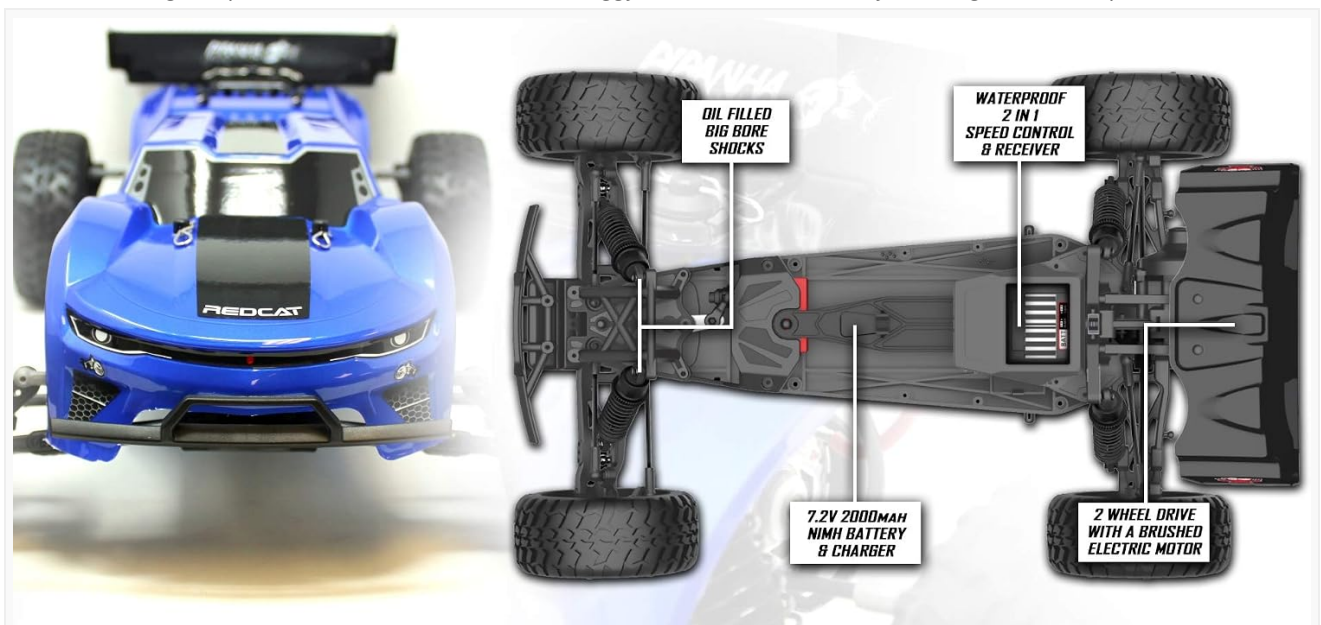


Image: Diagram of the Piranha-TR10 Truggy's underside, highlighting the waterproof ESC/receiver, NiMH battery, oil-filled big bore shocks, and 2-wheel drive system.

6.3 Battery Care and Storage

Always disconnect the battery from the truggy when not in use. Store the battery in a cool, dry place away from direct sunlight and extreme temperatures. Follow all safety guidelines provided with the battery and charger.

7. TROUBLESHOOTING

- **Vehicle Not Responding:**
 - Ensure both the transmitter and vehicle are powered on.
 - Check if the transmitter batteries are fresh and installed correctly.
 - Verify the vehicle's battery is fully charged and properly connected.
 - Re-bind the transmitter to the receiver if necessary (refer to the detailed PDF user guide for binding instructions).
- **Motor Not Running / Weak Performance:**
 - Check battery charge level.
 - Inspect motor and gears for any obstructions or debris.
 - Ensure all electrical connections are secure.
- **Steering Issues:**
 - Check the steering servo for damage or loose connections.
 - Inspect steering linkages for obstructions or damage.
 - Adjust steering trim on the transmitter.

For more detailed troubleshooting steps, please consult the full PDF User Guide.

8. SPECIFICATIONS

Attribute	Value
Product Dimensions	15.25 x 11 x 4.5 inches
Item Weight	5.75 pounds
Country of Origin	China
ASIN	B07CKJSL9W
Item Model Number	PIRANHA-TR10
Manufacturer Recommended Age	14 years and up
Release Date	May 30, 2018
Manufacturer	Redcat Racing

9. WARRANTY & SUPPORT

For detailed warranty information, please refer to the official Redcat Racing website or the documentation included with your product. Redcat Racing is known for its customer support.

Additional Resources:

- [Download Full User Guide \(PDF\)](#)
- [Visit the Redcat Racing Store on Amazon](#)