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DEERC 302E

DEERC Brushless 302E RC Car Instruction Manual

Model: 302E | Brand: DEERC

1. INTRODUCTION

Thank you for purchasing the DEERC Brushless 302E RC Car. This 1:18 scale, 4WD high-speed remote control monster truck is designed for off-road performance and durability. Please read this manual thoroughly before operating the vehicle to ensure safe and optimal performance. Keep this manual for future reference.



Image 1.1: DEERC 302E Monster Truck with highlighted features.

2. SAFETY PRECAUTIONS

- This product is recommended for users aged 14 years and up. Adult supervision is advised for younger users.
- Always operate the RC car in open areas, away from people, pets, vehicles, and obstacles.
- Do not operate near water bodies, roads, or in crowded spaces.
- Avoid operating in adverse weather conditions such as strong winds, rain, or lightning.
- Ensure all batteries are charged correctly and installed securely.
- Never touch moving parts of the vehicle during operation to prevent injury.
- Turn off the vehicle and remote control when not in use.
- Do not attempt to modify or disassemble the product, as this may cause damage or injury and void the warranty.
- Dispose of batteries according to local regulations.

3. PACKAGE CONTENTS

Please check the package contents upon unboxing:

- DEERC Brushless 302E RC Car (1 unit)
- 2.4GHz Remote Control Transmitter (1 unit)
- 7.4V 1200mAh Li-Po Batteries (2 units)
- USB Charging Cable (1 unit)
- Extra DIY Car Shell (1 unit)
- User Manual (1 unit)
- Small Tools/Accessories (e.g., wrench, spare clips)



Image 3.1: The DEERC 302E RC car includes two high-capacity batteries for extended play.

4. PRODUCT OVERVIEW

Familiarize yourself with the main components of your DEERC 302E RC Car and its remote control.

4.1 RC Car Components

- **Brushless Motor:** Provides high speed and efficiency.
- **25A Brushless ESC:** Electronic Speed Controller for precise motor management.
- **3-Wire Digital Servo:** Offers high precision and quick response for steering.
- **4WD System:** Ensures strong power and traction on various terrains.
- **Independent Suspension & Oil-Filled Metal Shocks:** Absorbs impacts for stable driving.
- **Anti-Skid Rubber Tires:** Provides excellent grip.
- **Nylon Chassis:** Durable and lightweight frame.
- **Ball Bearings:** Reduces friction for smoother operation.
- **IPX4 Waterproof Level:** Protects against splashing water and waves.



Image 4.1: Internal components of the DEERC 302E RC Car.



Image 4.2: The RC car demonstrating its IPX4 waterproof level.

4.2 Remote Control Transmitter

- **Steering Wheel:** Controls the direction of the vehicle (left/right).
- **Throttle Trigger:** Controls forward/backward movement and braking.
- **Power Switch:** Turns the transmitter on/off.
- **Steering Trim:** Adjusts the neutral steering position.
- **Speed Switch:** Adjusts the maximum speed of the vehicle.
- **Indicator Light:** Shows power and connection status.



Image 4.3: 2.4GHz Remote Control Transmitter layout.

5. SETUP

5.1 Charging the Li-Po Batteries

1. Connect the USB charging cable to a USB power adapter (not included, 5V/2A recommended).
2. Connect the battery to the charging cable.
3. The indicator light on the USB charger will show charging status (e.g., red for charging, green for fully charged).
4. Charging typically takes 2-3 hours per battery. Do not overcharge.

5.2 Installing Batteries in the RC Car

1. Remove the car shell by detaching the body clips.
2. Open the battery compartment cover.
3. Insert a fully charged Li-Po battery into the compartment.
4. Connect the battery connector to the car's power connector.

5. Close the battery compartment and reattach the car shell.

5.3 Installing Batteries in the Remote Control

1. Open the battery cover on the back of the remote control.
2. Insert 3 x AA batteries (not included) according to the polarity markings.
3. Close the battery cover.

5.4 Binding the Remote Control to the RC Car

1. Ensure the RC car battery is connected and the car's power switch is OFF.
2. Turn ON the remote control transmitter. The indicator light will flash.
3. Turn ON the RC car's power switch.
4. The indicator light on the remote control will become solid, indicating a successful binding.
5. If binding fails, turn off both devices and repeat the steps.

6. OPERATING INSTRUCTIONS

6.1 Starting the Vehicle

1. Place the RC car on a flat surface.
2. Ensure the remote control is ON and bound to the car.
3. Gently pull the throttle trigger to move forward, and push it to move backward or brake.
4. Turn the steering wheel left or right to change direction.

6.2 Adjusting Speed and Steering

- **Speed Switch:** Located on the remote control. Turn clockwise to increase the maximum speed, and counter-clockwise to decrease it. This allows for controlled driving, especially for beginners.
- **Steering Trim:** If the car does not drive straight when the steering wheel is centered, use the steering trim dial on the remote control to fine-tune the alignment.
- The remote control offers proportional throttle and steering, allowing for precise control over speed and direction.



4WD HIGH SPEED RACING-ALL TERRAINS

Image 6.1: The RC car performing on different terrains.

6.3 Stopping and Storing

1. Bring the car to a complete stop.
2. Turn OFF the power switch on the RC car.
3. Turn OFF the power switch on the remote control.
4. Disconnect and remove the battery from the RC car for storage.

7. MAINTENANCE

7.1 Cleaning

- After each use, especially in dirty or dusty conditions, clean the car.
- Use a soft brush or compressed air to remove dirt and debris from the chassis, wheels, and suspension components.
- Wipe the body with a soft, dry cloth. Avoid using water directly on electronic components.

7.2 Battery Care

- Always disconnect batteries from the car and charger when not in use.
- Store Li-Po batteries in a cool, dry place, away from direct sunlight and heat sources.
- Do not store fully charged or completely discharged Li-Po batteries for extended periods. Charge them to a storage voltage (around 3.8V per cell) if storing for more than a few days.
- If a battery appears swollen or damaged, discontinue use immediately and dispose of it safely.

7.3 Component Inspection

- Regularly check all screws and fasteners to ensure they are tight.
- Inspect the tires for wear and tear.
- Check the suspension for any damage or bent parts.
- Ensure the wheel hub metal sheets are intact to prevent deformation.



Image 7.1: Wheel hub metal sheet for enhanced durability.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Car does not respond to remote.	Low battery in car or remote; Not bound; Power switches off.	Charge/replace batteries; Re-bind car and remote; Ensure both power switches are ON.
Car runs slowly or lacks power.	Low car battery; Speed switch set too low.	Charge car battery; Adjust speed switch clockwise on remote.
Car pulls to one side.	Steering trim needs adjustment; Damaged steering components.	Adjust steering trim on remote; Inspect steering linkage for damage.
Short run time.	Battery not fully charged; Old/damaged battery.	Ensure battery is fully charged; Consider replacing battery if it's old or damaged.
Motor stops during operation.	Overheat protection; Battery low-voltage cut-off.	Allow car to cool down; Charge battery.

9. SPECIFICATIONS

Feature	Specification
Model Number	302E
Scale	1:18
Motor	2440 Brushless Motor
ESC	25A Brushless ESC
Servo	3-Wire Digital Servo
Max Speed	Up to 60 KM/H (35+ MPH)
Drive System	4WD
Control Frequency	2.4GHz
Control Range	Up to 328 feet (100 meters)
Battery (Car)	2 x 7.4V 1200mAh Li-Po (Included)
Run Time	Up to 40 minutes (with 2 batteries)
Battery (Remote)	3 x AA (Not Included)
Material	Rubber, Metal, Nylon
Waterproof Level	IPX4
Product Dimensions	27.51 x 19 x 8.99 cm (10.8 x 7.5 x 3.5 inches)
Item Weight	998 g (2.2 lbs)

Feature	Specification
Recommended Age	14 years and up

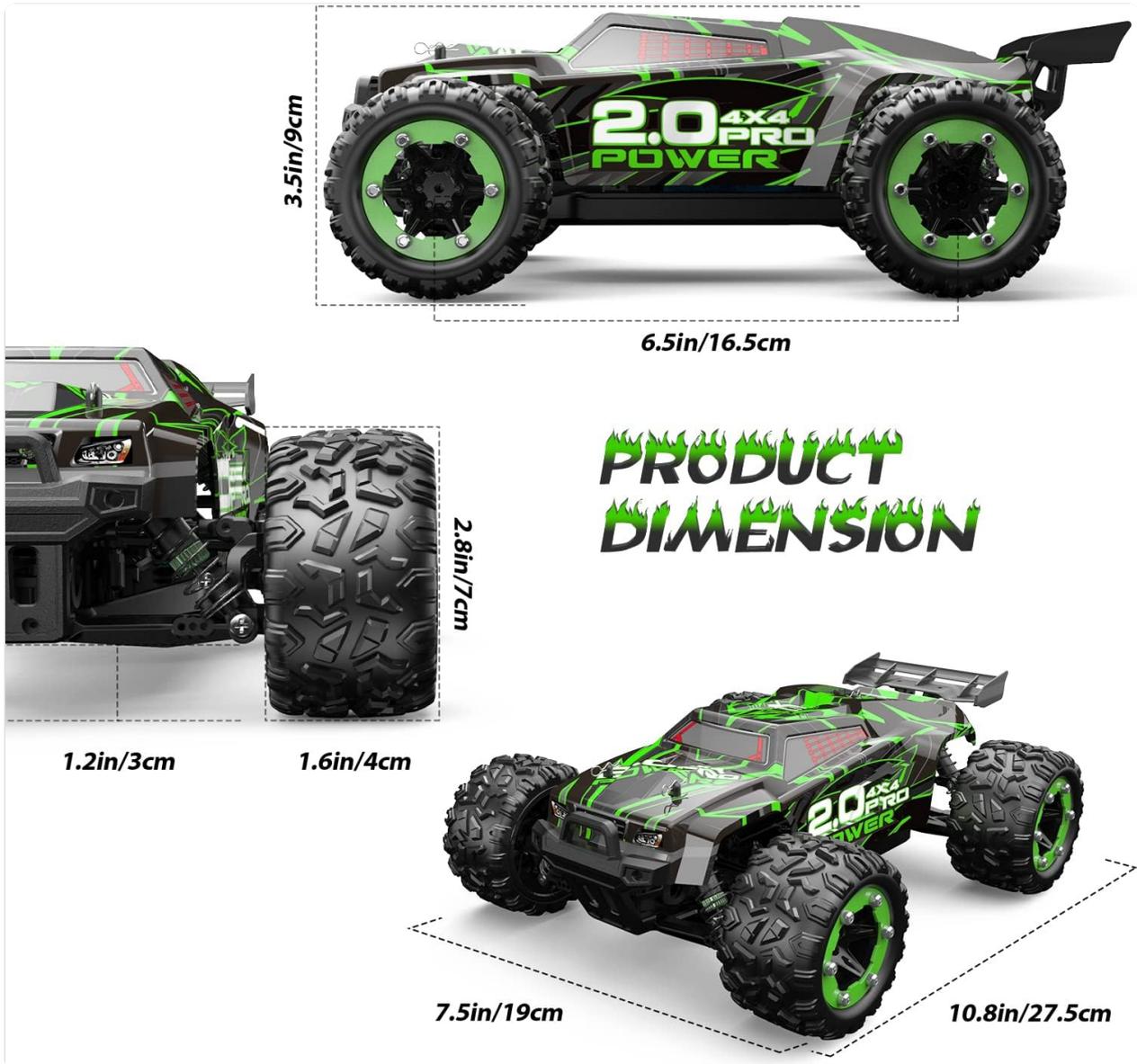


Image 9.1: Product Dimensions.

10. WARRANTY AND SUPPORT

DEERC products are manufactured to high-quality standards. For warranty information, please refer to the warranty card included in your package or contact DEERC customer support directly.

If you encounter any issues or have questions regarding your DEERC Brushless 302E RC Car, please contact our customer support team. Provide your model number and purchase details for faster assistance.

Customer Support Contact: Please refer to the contact information provided on the product packaging or the official DEERC website.

