

DEERC 302

DEERC 302E RC Car Instruction Manual

Model: 302 | Brand: DEERC

INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your DEERC Brushless 302E RC Car. Designed for adults and enthusiasts, this 1:18 scale 4WD monster truck offers high-speed performance up to 60KM/H (35+ MPH) across various terrains. Please read this manual thoroughly before first use to ensure safe and optimal performance.



Image: The DEERC 302E RC Car, showcasing its vibrant green and black design, alongside its packaging, two batteries, a charger, and an extra DIY clear shell.

Key Features

- **2440 Brushless Motor:** Achieves speeds up to 60KM/H (35+ MPH) with increased lifespan and efficiency.
- **4WD System:** Provides strong power and improved collision protection with 4 independent suspensions.
- **Dual High Capacity Batteries:** Includes two 7.4V 1200 mAh Li-Po batteries for up to 40 minutes of run time.
- **Extra DIY Shell:** A transparent shell is included for customization.
- **3-Wire Digital Servo:** Offers higher precision, better fixed power, anti-shake function, and faster response.
- **25A Brushless ESC:** Features intelligent protection functions including low-voltage cut-off and over-current protection.
- **Proportional Throttle & Steering Control:** 2.4GHz remote control allows precise speed and steering adjustments.
- **All-Terrain Capability:** Constructed with metal sealed ball bearings, oil-filled metal shocks (requires user filling), anti-skid rubber tires, and a nylon chassis for various surfaces.
- **IPX4 Waterproof Level:** Protects the car from splashing water and waves.



Image: A diagram highlighting key features of the DEERC 302E RC Car, including 4-wheel drive, 2.4GHz radio control, brushless motor, proportional steering, RTR, climbing ability, shock absorber system, and high toughness tires.

WHAT'S IN THE BOX

- 1 x RC Monster Truck
- 1 x 2.4GHz Remote Controller
- 1 x Extra Truck Shell (DIY transparent)
- 2 x Truck Batteries (7.4V 1200 mAh Li-Po)
- 1 x USB Charging Cable
- 1 x Screwdriver
- 1 x Sticker Sheet
- 1 x User Manual (this document)
- 1 x Spare Part Kit
- 1 x Stuff Sack

- 1 x Cleaning Brush

SETUP

1. Battery Installation & Charging

The DEERC 302E comes with two 7.4V 1200 mAh Li-Po batteries. Ensure batteries are fully charged before first use.

- Connect the battery to the USB charging cable.
- Plug the USB charging cable into a suitable USB power adapter (e.g., computer USB port, wall adapter).
- The indicator light on the USB charger will show charging status (refer to charger's specific light indications).
- Charging typically takes approximately 120 minutes per battery.
- Once charged, carefully install the battery into the designated compartment on the RC car. Secure the battery cover.



Image: Two rechargeable Li-Po batteries for the DEERC RC car, highlighting their capacity and the extended play time they provide.

2. Remote Control Setup

- Install 3 x AA batteries (not included) into the remote controller's battery compartment.
- Turn on the remote controller using the power switch. The indicator light will illuminate.
- Turn on the RC car. The car and remote will automatically pair. If pairing fails, turn both off and on again.



Image: A detailed diagram of the 2.4GHz remote control, showing the steering trim, speed switch, power switch, indicator light, steering wheel, and trigger for forward/backward/brake functions. It also illustrates proportional throttle and steering control.

3. Initial Checks

- Ensure all connections are secure.
- Verify steering and throttle respond correctly to remote inputs.
- Check that the wheels spin freely and are not obstructed.
- **Important:** The oil-filled metal shocks require filling with shock oil by the user for optimal performance. Refer to the Maintenance section for details.

Basic Controls

- **Throttle Trigger:** Pull the trigger to move forward. Push the trigger to brake or reverse.
- **Steering Wheel:** Turn the wheel left or right to steer the car.
- **Speed Switch:** Adjust the speed switch clockwise to increase driving speed, and counterclockwise to decrease speed. This is useful for beginners or for navigating tight spaces.
- **Steering Trim:** Use the steering trim dial on the remote to fine-tune the steering if the car pulls to one side when the steering wheel is centered.

Driving Tips

- Start with a lower speed setting until you are comfortable with the controls.
- Practice in an open, clear area away from obstacles, people, and pets.
- The 4WD system and robust tires allow for excellent performance on various terrains including sand, mud, and grass.
- Avoid driving in deep water or extreme conditions, despite the IPX4 rating, to prolong the lifespan of electronic components.



4WD HIGH SPEED RACING-ALL TERRAINS



Image: The DEERC 302E RC Car demonstrating its 4WD high-speed racing capabilities across different terrains, including grass, dirt, and mid-air jumps.



Image: The DEERC 302E RC Car shown in a water splashing scenario, illustrating its IPX4 waterproof level, which protects it from splashing water and waves. A comparison shows the car protected versus submerged.

MAINTENANCE

General Cleaning

- After each use, especially in dirty or dusty conditions, use the included cleaning brush to remove debris from the chassis, wheels, and suspension components.
- Wipe down the body with a soft, damp cloth. Avoid using harsh chemicals.
- Ensure no dirt or small stones are lodged in moving parts.

Battery Care

- Always allow batteries to cool down before recharging.
- Do not overcharge or over-discharge the Li-Po batteries.
- Store batteries in a cool, dry place away from direct sunlight and extreme temperatures.

- If storing for extended periods, charge batteries to approximately 50% capacity.

Shock Absorbers (Oil Filling)

The DEERC 302E features oil-filled metal shocks, but they require the user to fill them with shock oil for optimal damping and performance.

- Carefully remove each shock absorber from the vehicle.
- Unscrew the top cap of the shock.
- Fill the shock body with appropriate RC shock oil (e.g., 35-40 weight silicone shock oil, not included).
- Slowly compress the shock shaft a few times to remove air bubbles.
- Top off the oil if necessary and re-install the cap, ensuring no air is trapped.
- Reattach the shocks to the vehicle. Proper oil filling significantly improves handling and durability.

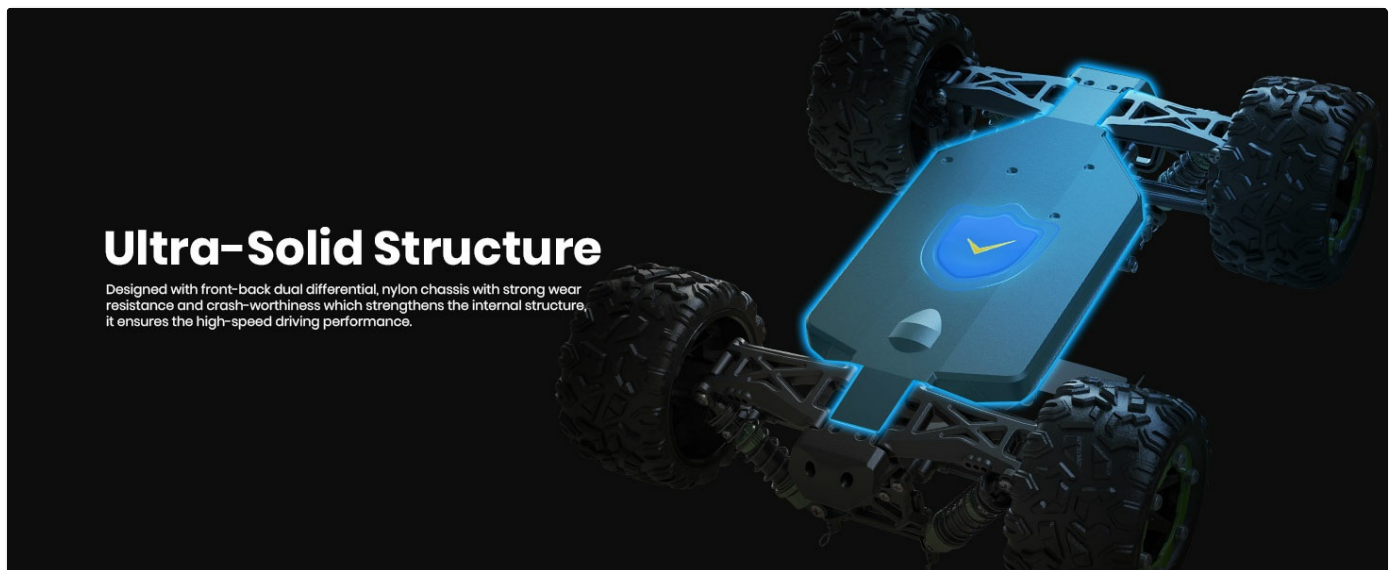


Image: A detailed view of the oil-filled shock absorbers and four-wheel independent suspension system of the RC car, illustrating how they absorb vibration and maintain stability.

Tire Care

- Inspect tires for wear, tears, or punctures regularly.
- Remove any debris or small objects stuck in the tire treads.
- Ensure wheel nuts are tightened securely.

WHEEL HUB METAL SHEET

Increase the strength of the wheel hub
to prevent deformation caused by collision



Image: A close-up of the RC car's wheel hub, highlighting the metal sheet designed to increase the strength of the wheel hub and prevent deformation from collisions.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Car does not respond to remote.	Low battery in car or remote; Not paired; Power switch off.	Charge car battery; Replace remote batteries; Ensure both are powered on and paired.
Reduced speed or power.	Low car battery; Motor overheating; Obstruction in drivetrain.	Recharge battery; Allow motor to cool down; Check for debris in gears/wheels.
Car pulls to one side.	Steering trim incorrect; Damaged steering component.	Adjust steering trim on remote; Inspect steering linkages for damage.

Problem	Possible Cause	Solution
Unusual noises during operation.	Debris in gears; Damaged gears or bearings.	Clean drivetrain; Inspect and replace damaged parts if necessary.

SPECIFICATIONS

- **Model:** 302E
- **Scale:** 1:18
- **Motor:** 2440 Brushless Motor
- **ESC:** 25A Brushless ESC
- **Servo:** 3-Wire Digital Servo
- **Drive System:** 4-Wheel Drive (4WD)
- **Max Speed:** Approximately 60 KM/H (35+ MPH)
- **Batteries:** 2 x 7.4V 1200 mAh Li-Po (included)
- **Run Time:** Up to 40 minutes (with 2 batteries)
- **Charging Time:** Approximately 120 minutes per battery
- **Remote Control Frequency:** 2.4GHz
- **Control Range:** Up to 328 feet
- **Waterproof Level:** IPX4
- **Product Dimensions:** 10.83 x 7.48 x 3.54 inches (27.5 x 19 x 9 cm)
- **Item Weight:** 2.2 pounds (1 kg)
- **Recommended Age:** 14 years and up



Image: A diagram illustrating the precise dimensions of the DEERC 302E RC Car, including length, width, and height, providing a clear understanding of its 1:18 scale size.

**UNIQUE DESIGN MAKES IT RUN
FASTER AND LONGER**

BRUSHLESS MOTOR

25A BRUSHLESS ESC

SHOCK ABSORBER SYSTEM

3 WIRES SERVO

RUBBER TIRE

BALL BEARING



POWERFUL BRUSHLESS

Image: An exploded view diagram of the DEERC 302E RC Car's internal components, highlighting the brushless motor, 25A brushless ESC, 3-wire servo, rubber tires, ball bearings, and shock absorber system, emphasizing its powerful brushless design.

WARRANTY AND SUPPORT

For warranty information, technical support, or spare parts, please contact DEERC customer service directly. Refer to the packaging or the official DEERC website for the most current contact details.