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› Redcat Racing Gen8 V2 International Scout II User Manual

Redcat Racing GEN8-V2-GREEN

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Model: GEN8-V2-GREEN

Brand: Redcat Racing

INTRODUCTION

The Redcat Racing Gen8 V2 International Scout II is a high-performance 1/10 scale rock crawler designed for enthusiasts and custom builders. Developed in-house by Redcat Racing, this model offers exceptional out-of-the-box performance and a robust platform for further customization. Its design focuses on durability and capability across various challenging terrains.



Figure 1: Front 3/4 view of the Redcat Racing Gen8 V2 International Scout II, showcasing its detailed body and large tires.

WHAT'S IN THE BOX

Upon unboxing your Redcat Racing Gen8 V2 International Scout II, you should find the following components:

- Green Gen8 V2 Scout II RC Truck (fully assembled)
- 2.4GHz Radio System (Transmitter)
- Instruction Manual (this document)
- *Note: Battery and charger may be sold separately. Please check product packaging for exact contents.*

SAFETY INFORMATION

This product is recommended for users **14 years or older**. Always operate the vehicle in a safe and responsible manner. Read all instructions before use to prevent damage or injury.

- Keep hands, face, and loose clothing away from moving parts.
- Do not operate near people, pets, or valuable property.
- Avoid operating in wet conditions unless the vehicle is specifically designed for it (this model features waterproof electronics).
- Always disconnect the battery when not in use or during maintenance.
- Use only recommended batteries and chargers.

PRODUCT FEATURES

The Gen8 V2 International Scout II is equipped with advanced features for superior rock crawling performance:

- Portal axles, Divorced transfer case, High strength 1.5mm C-Channel chassis rails, 4-Link suspension, Aluminum threaded shocks, Functional 1.9 beadlock wheels, CNC machined spools, Metal wheel hexes, Rubber sealed ball bearings throughout, 47° precision steering, Panhard bar, Front mounted motor.
- Licensed International Harvester Scout II body, Hard plastic grill, LED ready body and bumpers, Plastic folding mirrors, Molded inner and outer fenders, Licensed Interco Super Swamper tires, Shackle mount bumpers (LED ready), Plastic rock sliders.
- Adjustable wheel base, Adjustable ride height, Adjustable toe angle, Multiple shock positions, Adjustable approach and departure angle, Tunable suspension, Lockable adjustable slipper clutch, Many upgraded parts available, Many 3D printable parts available.
- 17T 550 brushed motor, Waterproof crawler ESC, Hexfly waterproof steering servo, 2.4GHz radio system.



Figure 2: The robust chassis of the Gen8 V2, highlighting its C-channel frame rails and suspension components.

SETUP GUIDE

1. Initial Inspection

Carefully remove the truck and all accessories from the packaging. Inspect for any visible damage or missing parts. Ensure all screws are tightened and components are securely in place.

2. Battery Installation and Charging

Locate the battery tray, typically positioned for a low center of gravity. Connect your charged battery to the ESC (Electronic Speed Controller). Ensure the battery is fully charged before first use. Refer to your battery and charger's specific instructions for proper charging procedures.



Figure 3: Close-up view of the front-mounted motor and wiring, showing the battery connection area.

3. Transmitter Setup

Install the required batteries into your 2.4GHz radio transmitter. Power on the transmitter first, then the vehicle's ESC. The system should automatically bind. If not, consult the transmitter's specific manual for binding instructions.

4. Adjustments

The Gen8 V2 offers various adjustments for optimal performance:

- **Wheelbase:** Can be adjusted to suit different terrains and driving styles.
- **Ride Height:** Adjust shock positions for desired ground clearance.
- **Toe Angle:** Fine-tune steering response.
- **Slipper Clutch:** The innovative dual design slipper clutch can be adjusted or locked out. To lock out, remove slipper pads and springs, then reassemble.

OPERATING INSTRUCTIONS

1. Basic Controls

Familiarize yourself with the transmitter controls:

- **Throttle Trigger:** Pull for forward motion, push for reverse/brake.
- **Steering Wheel:** Turn left for left, right for right.
- **Trim Dials:** Adjust steering and throttle neutral points if the vehicle pulls to one side or moves without input.

2. Driving Tips for Rock Crawling

The Gen8 V2 is designed for challenging off-road conditions. Practice slow, controlled movements for optimal crawling. Utilize the vehicle's high ground clearance and articulation to navigate obstacles.



Figure 4: The Gen8 V2 demonstrating its climbing capability on a wooden ramp.



Figure 5: The truck's suspension articulation shown over uneven terrain.

3. Official Product Overview Video

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Video 1: An official product overview video demonstrating key features and capabilities of the Redcat Racing Gen8 V2 International Scout II.

MAINTENANCE

Regular maintenance will ensure the longevity and performance of your Gen8 V2.

- **Cleaning:** After each use, especially in dirty or wet conditions, clean the vehicle with a soft brush or compressed air. Avoid using water directly on electronics unless specifically designed for it.
- **Bearing Check:** Periodically check all 32 rubber-sealed ball bearings for smooth operation. Replace any stiff or noisy bearings.
- **Gear Inspection:** Inspect the Mod 1 gears in the transmission, transfer case, and portal axles for wear. Ensure the sealed pinion and spur gear area is free of debris.
- **Shock Maintenance:** Check aluminum threaded shocks for leaks and smooth compression. Refill with appropriate shock oil if necessary.
- **Tire and Wheel Check:** Ensure beadlock rings are secure and tires are free from punctures or excessive wear.
- **Screw Tightness:** Regularly check and tighten all screws, especially after heavy use.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Vehicle does not respond to controls.	Low battery in vehicle or transmitter; vehicle/transmitter not bound; ESC not powered on.	Charge/replace batteries; re-bind transmitter and receiver; ensure ESC is switched on.
Poor steering response.	Steering servo issue; loose steering linkages; incorrect toe angle.	Check servo connection/function; inspect linkages for damage; adjust toe angle.
Motor runs but wheels do not turn or slip.	Slipper clutch too loose; damaged gears; drive shaft issue.	Adjust or lock out slipper clutch; inspect and replace damaged gears; check drive shafts.
Vehicle makes unusual noises.	Debris in gears; worn bearings; loose components.	Clean gears; replace worn bearings; inspect and tighten all parts.

SPECIFICATIONS

Feature	Detail
Product Dimensions	27 x 11.75 x 11 inches
Item Weight	10.68 pounds
Country of Origin	China
ASIN	B08LP7NZ2T
Item Model Number	GEN8-V2-GREEN
Manufacturer Recommended Age	14 years and up
Release Date	October 22, 2020
Manufacturer	Redcat Racing
Ground Clearance (Stock)	73.4mm
Approach Angle (Stock)	61 degrees
Departure Angle (Stock)	39.5 degrees

WARRANTY INFORMATION

Specific warranty details for the Redcat Racing Gen8 V2 International Scout II are typically provided with the product packaging or available on the official Redcat Racing website. Please refer to these resources for the most accurate and up-to-date warranty policy.

CUSTOMER SUPPORT

For technical assistance, spare parts, or further inquiries regarding your Redcat Racing Gen8 V2 International Scout II, please visit the official Redcat Racing website or contact their customer support directly. Contact information can usually be found on the product packaging or their official website.

You can also visit the [Redcat Racing Store on Amazon](#) for additional product information and accessories.

