DEERC SQN-002

DEERC Remote Control Rescue Helicopter SQN-002 Instruction Manual

Model: SQN-002 | Brand: DEERC

INTRODUCTION

The DEERC Remote Control Rescue Helicopter SQN-002 offers a realistic and engaging flight experience, inspired by actual emergency aircraft. Designed for both beginners and experienced enthusiasts, this helicopter features aerodynamic rotor blades, a detailed cockpit, and rescue markings. It serves as an excellent introduction to aviation and STEM concepts, providing stable and precise control for indoor and outdoor use in calm conditions.

Image: The DEERC Remote Control Rescue Helicopter SQN-002 in its red variant, showcasing its realistic design and LED lights during flight.

What's in the Box

Upon unboxing your DEERC Remote Control Rescue Helicopter SQN-002, you will find the following components:

- 1 x RC Helicopter
- 1 x Remote Controller (batteries not included)
- 2 x Modular Batteries
- 4 x Main Rotor Blade (A/B)
- 2 x Tail Rotor Blade
- 1 x USB-C Charging Cable
- 1 x Screwdriver
- 1 x Product Manual

Image: A visual representation of all items included in the DEERC Remote Control Rescue Helicopter SQN-002 package, laid out neatly.

SETUP

1. **Charge Batteries:** Use the provided USB-C charging cable to fully charge both modular batteries. The LED indicator on the cable will typically change color or turn off when charging is complete.

2. **Install Helicopter Battery:** Carefully insert one charged modular battery into the helicopter's battery compartment. Ensure it is securely connected and the compartment cover is closed.

3. **Install Remote Controller Batteries:** Open the battery compartment on the remote controller using the provided screwdriver. Insert 3 AAA batteries (not included), ensuring correct polarity. Close the compartment.

4. **Power On:** Turn on the helicopter using its ON/OFF switch. Place it on a flat, level surface. Then, turn on the remote controller. The remote and helicopter will automatically pair, indicated by a solid light on both devices.

Image: The DEERC Remote Control Rescue Helicopter SQN-002, highlighting its two modular batteries and the USB-C charging cable for convenient power management.

OPERATING INSTRUCTIONS

The DEERC Remote Control Rescue Helicopter is designed for flexible and accurate maneuvering, suitable for various skill levels.

- **One-Key Takeoff/Landing:** Press the dedicated one-key takeoff button on the remote for effortless launch. The helicopter will automatically ascend to a stable hovering altitude. Press the one-key landing button to initiate a smooth, controlled descent.

- **Altitude Hold:** The built-in gyroscope and altitude hold system ensure stable hovering, allowing you to focus on directional control without constant throttle adjustments.

- **Directional Control:** Use the left joystick for ascending/descending and rotating left/right. Use the right joystick for moving forward/backward and strafing left/right.

- **Speed Settings:** The 3.5-channel transmitter offers adjustable speed settings (low, medium, high) to match your skill level. Experiment with different speeds for varied flight experiences.

- **2.4GHz Anti-Interference:** Advanced 2.4GHz technology allows multiple helicopters to fly

simultaneously without signal interference, ideal for group play.

- **Low Battery Reminder:** LED indicators on the helicopter will warn you when the battery is low, prompting you to land and recharge.

Image: The DEERC Remote Control Rescue Helicopter SQN-002 hovering above a helipad, illustrating its one-button takeoff/landing and altitude hold features, along with various speed modes.

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Video: An official DEERC promotional video showcasing the Remote Control Rescue Helicopter SQN-002 in various flight scenarios, highlighting its features and ease of use. The video emphasizes the helicopter's realistic design and stable flight capabilities.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your DEERC Remote Control Rescue Helicopter.

- **Rotor Blade Inspection:** Regularly check the main and tail rotor blades for any signs of damage (cracks, bends). Replace damaged blades immediately using the provided spare parts and screwdriver.

- **Battery Care:** Always fully charge batteries before use. Do not overcharge. Store batteries in a cool, dry place when not in use.
- **Cleaning:** Use a soft, dry cloth to clean the helicopter body. Avoid using water or harsh chemicals, which can damage electronic components.
- **Storage:** When not in use, store the helicopter and remote controller in a safe place, away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

If you encounter any issues with your DEERC Remote Control Rescue Helicopter, refer to the following common solutions:

- **Helicopter Not Responding:** Ensure both the helicopter and remote controller are powered on and fully charged. Re-pair the devices by turning both off and then on again.
- **Unstable Flight/Drifting:** Perform a calibration by placing the helicopter on a flat surface and following the calibration steps in the detailed product manual. Check for any bent or damaged rotor blades and replace if necessary.
- **Short Flight Time:** Ensure batteries are fully charged. Over time, battery capacity may decrease. Consider replacing older batteries if flight time significantly reduces.
- **Rotor Blades Not Spinning:** Check for obstructions around the rotor blades. The intelligent safety system automatically powers off the rotor if blocked. Clear any debris and restart.
- **Remote Control Issues:** Replace AAA batteries in the remote controller if it is unresponsive. Ensure no other 2.4GHz devices are causing interference nearby.
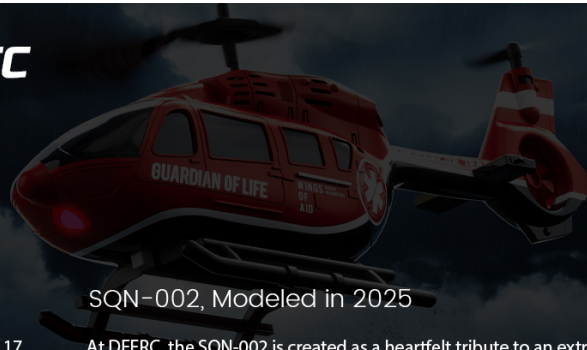
SPECIFICATIONS

Feature	Detail
Product Dimensions	8.85 x 4.91 x 4.92 inches
Item Weight	10.1 ounces
Item Model Number	CA-SQN-002RED
Manufacturer Recommended Age	8 years and up
Batteries	2 CR5 batteries required (included)
Usage Environment	Indoors or in windless outdoor conditions
Charging Time	40 Minutes
Battery Capacity	3.7V / 500mAh
Flight Time	Up to 13 Minutes x 2 (26 minutes total with both batteries)
Maximum Flight Altitude	20 Meters
Control Range	30 Meters

A TRIBUTE TO THE ICONIC AIRBUS H145 LINEAGE

From BK117 to EC145 –
A Legacy of Rescue Excellence

Since its introduction, the Airbus H145 and its predecessors—the BK117 and EC145—have stood as icons of modern rescue and emergency aviation. Renowned for their agility, advanced avionics, and exceptional reliability, these helicopters have played a pivotal role in saving lives across the globe. From mountain rescues to critical medical transport, the H145 family has earned its reputation as a trusted lifeline in the most demanding missions.

SQN-002, Modeled in 2025

At DEERC, the SQN-002 is created as a heartfelt tribute to an extraordinary aviation legacy. Inspired by the streamlined form and rescue-focused heritage of the H145, every detail is thoughtfully crafted to reflect the aircraft's real-world precision and reliability. Featuring a stable dual-rotor system, a durable structure, and smooth, lifelike flight performance, the SQN-002 embodies the spirit of the H145 lineage—bringing the excitement of rescue aviation directly into your hands.

Image: A graphic summarizing the key product specifications for the DEERC Remote Control Rescue Helicopter SQN-002, including dimensions, weight, battery life, and control range.

Safety Information

Please adhere to the following safety guidelines to ensure a safe and enjoyable experience:

- Children under 14 should use this product with adult supervision.
- Always operate the helicopter in open areas, away from people, animals, and obstacles.
- Do not fly near power lines, trees, or water bodies.
- Avoid flying in strong winds, as this can lead to loss of control.
- Never touch the rotating blades during operation.
- Turn off the helicopter and remote controller when not in use.

Warranty and Support

The DEERC Remote Control Rescue Helicopter SQN-002 comes with a 3-month warranty. For any product inquiries, technical support, or warranty claims, please contact DEERC customer service. Refer to the official DEERC website or the contact information provided in your product manual for detailed support options.
For additional information and to explore other DEERC products, visit the DEERC Store.