

## Revell Control 24897

# Revell Control 24897 RC X-Treme Helicopter Long Fly User Manual

Model: 24897

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## 1. INTRODUCTION

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The Revell Control 24897 RC X-Treme Helicopter "Long Fly" is designed for an extended flight experience. This 23 cm tall helicopter features a high-quality metal body and advanced flight technology, including an intelligent altitude sensor and headless mode for intuitive control. It offers an exceptional flight time of 20 minutes thanks to its powerful, replaceable battery.

This manual provides essential information for the safe and effective operation of your RC helicopter. Please read it thoroughly before first use and retain it for future reference.

## 2. SAFETY WARNINGS

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**WARNING:** Not suitable for children under 3 years due to small parts. Choking hazard.

- Always operate the helicopter in open, clear areas, away from people, animals, and obstacles.
- Do not fly near power lines, roads, or water.
- Keep fingers, hair, and loose clothing away from rotating parts (rotors).
- Never attempt to catch the helicopter while it is flying.
- Ensure the battery is correctly inserted and charged according to instructions.
- Do not expose the battery to extreme temperatures or direct sunlight.
- Supervise children during operation.
- Turn off the helicopter and remote control after use.
- Store the helicopter and its components in a safe place.

## 3. WHAT'S IN THE BOX

Carefully unpack all components and ensure everything listed below is present.



Image: The retail packaging of the Revell Control 24897 RC X-Treme Helicopter Long Fly, showing the helicopter, remote control, and accessories.

- RC X-TREME "Long Fly" Helicopter with metal body
- 2.4 GHz Remote Control
- Powerful, replaceable flight battery (3.7V 900mAh)
- USB charger with charging cable
- Spare rotor blade set
- Product manual (this document)

## 4. SETUP

Follow these steps to prepare your helicopter for its first flight.

1. **Unpack:** Remove the RC X-TREME 'Long Fly' helicopter and all accessories from its packaging.
2. **Assembly (if required):** The helicopter typically comes pre-assembled. If any rotor blades or the tail fin are detached, carefully attach them according to the diagrams in the included quick start guide or product manual. Ensure all parts are securely fastened.
3. **Insert Flight Battery:** Locate the battery compartment on the helicopter. Insert the powerful, replaceable flight battery (3.7V 900mAh) into the compartment, ensuring correct polarity.
4. **Charge Flight Battery:** Connect the USB charger to the flight battery, then plug the USB cable into a suitable USB power source (e.g., computer USB port, USB wall adapter). Charge the battery completely before the first use. The charging indicator light on the charger will typically change color or turn off when charging is complete.
5. **Install Remote Control Batteries:** Open the battery compartment on the 2.4 GHz remote control. Insert 3 AAA batteries (included as per product specifications) ensuring correct polarity. Close the compartment.



Image: The Revell Control 24897 RC X-Treme Helicopter Long Fly shown with its main rotor blades, tail rotor, and landing gear. This image illustrates the helicopter's structure.



Image: The 2.4 GHz remote control for the Revell Control RC Helicopter, featuring two joysticks and control buttons. This image shows the device used to operate the helicopter.

## 5. OPERATING INSTRUCTIONS

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Familiarize yourself with the controls before attempting your first flight.

### 5.1 Pairing the Helicopter and Remote Control

1. Ensure the helicopter's flight battery is fully charged and installed.
2. Turn on the 2.4 GHz remote control using its power button. The indicator light on the remote will likely flash.
3. Turn on the helicopter by pressing its power button (usually located on the helicopter body). The helicopter's lights will flash.
4. Place the helicopter on a flat, level surface.
5. On the remote control, push the left joystick (throttle) all the way up, then all the way down. The indicator lights on both the remote and helicopter should become solid, indicating successful pairing.

### 5.2 Basic Flight Controls

- **Left Joystick (Throttle):**
  - Push up: Increase altitude (ascend)
  - Pull down: Decrease altitude (descend)
- **Right Joystick (Directional Control):**
  - Push up: Fly forward
  - Pull down: Fly backward
  - Push left: Fly left (sideways)
  - Push right: Fly right (sideways)
- **Trim Buttons:** Small buttons near the joysticks are used to fine-tune the helicopter's stability if it drifts in a particular direction without input. Adjust these in small increments until the helicopter hovers steadily.

### 5.3 Special Features

- **Altitude Sensor:** The intelligent altitude sensor helps maintain a stable flight attitude, making it easier to control the helicopter at a desired height.
- **Headless Mode:** This mode simplifies control by eliminating the need to know the helicopter's front orientation. When activated, the helicopter will move relative to the pilot's position, regardless of which way the helicopter is facing. Refer to the remote control diagram for the headless mode button.

### 5.4 Takeoff and Landing

1. **Takeoff:** After pairing, gently push the left joystick (throttle) upwards. The rotors will spin, and the helicopter will ascend. Increase throttle slowly until it lifts off the ground.
2. **Landing:** Slowly pull the left joystick (throttle) downwards. The helicopter will descend. Reduce throttle completely once it has landed. For emergency landings, some remotes have a one-key landing button.



*Image: The Revell Control 24897 RC X-Treme Helicopter Long Fly hovering in the air, illuminated from below. This image demonstrates the helicopter in operation.*

## 5.5 After Use

After each flight session, turn off the helicopter first, then the remote control. Disconnect and remove the flight battery from the helicopter for storage. Store all components in a cool, dry place.

## 6. MAINTENANCE

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Proper maintenance ensures the longevity and performance of your RC helicopter.

- **Cleaning:** Use a soft, dry cloth to clean the helicopter and remote control. Do not use water or chemical cleaners.
- **Rotor Blades:** Inspect rotor blades for damage (cracks, bends) before and after each flight. Replace damaged blades immediately using the provided spare rotor blade set. Damaged blades can affect flight stability and safety.
- **Battery Care:**
  - Always charge the flight battery using the original USB charger.
  - Do not overcharge or completely discharge the battery.
  - Store the battery at room temperature and partially charged (around 50%) if not used for extended periods.
  - If the battery appears swollen or damaged, discontinue use and dispose of it properly.
- **Storage:** Store the helicopter and remote control in a dry, cool environment, away from direct sunlight and extreme temperatures. Remove batteries from the remote control if storing for a long time.

## 7. TROUBLESHOOTING

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If you encounter issues with your helicopter, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
Helicopter does not respond to remote control.	Not paired; low battery in remote or helicopter; remote control off.	Ensure both are on and paired correctly (see Section 5.1). Charge helicopter battery. Replace remote control batteries.
Helicopter cannot take off or flies weakly.	Low helicopter battery; damaged rotor blades; motor issue.	Fully charge the flight battery. Inspect and replace damaged rotor blades. If problem persists, contact support.
Helicopter drifts to one side.	Trim settings incorrect; uneven surface during takeoff; damaged rotor blades.	Adjust trim buttons on the remote control. Ensure takeoff from a flat surface. Check rotor blades for damage.
Short flight time.	Battery not fully charged; aging battery.	Ensure battery is fully charged before each flight. Consider replacing the battery if it's old and capacity has significantly decreased.

## 8. SPECIFICATIONS

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Key technical details for the Revell Control 24897 RC X-Treme Helicopter Long Fly.

- **Model Number:** 24897
- **Brand:** Revell Control
- **Product Dimensions:** 41 x 7 x 16 cm
- **Weight:** 320 g
- **Material:** Metal
- **Flight Time:** Up to 20 minutes
- **Control Frequency:** 2.4 GHz
- **Helicopter Battery:** 3.7V 900mAh (replaceable)
- **Remote Control Batteries:** 3 x AAA (included)
- **Special Features:** Intelligent Altitude Sensor, Headless Mode
- **Recommended Age:** 14 Years+
- **Components Included:** Helicopter, 2.4 GHz Controller, Replaceable Battery, USB Charging Cable, Spare Rotor Set, Product Manual

## 9. WARRANTY AND SUPPORT

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For warranty information and technical support, please refer to the official Revell Control website or contact their customer service directly. Keep your proof of purchase for warranty claims.

**Manufacturer:** Carrera Revell Europe GmbH

For further assistance, please visit: [Revell Control Official Website](#)



