4DRC M5

4DRC M5 RC Helicopter User Manual

Model: M5

1. INTRODUCTION

Thank you for purchasing the 4DRC M5 RC Helicopter. This manual provides essential information for the safe operation, setup, and maintenance of your new helicopter. Please read this manual thoroughly before operating the device to ensure proper use and to maximize your flying experience. This model is designed for beginners, featuring altitude hold and easy one-key take-off/landing functions.

2. SAFETY INFORMATION

Always prioritize safety when operating the helicopter. Failure to follow these guidelines may result in injury or damage to the product.

- **Indoor Use Only:** This helicopter is designed for indoor use. Avoid flying outdoors, especially in windy conditions.
- **Adult Supervision:** Recommended for children aged 6 and above with adult supervision.
- **Clear Area:** Ensure a clear flying area free from obstacles, people, and pets.
- **Keep Away from Face and Eyes:** Do not fly near your face or eyes. Rotating blades can cause injury.
- **Battery Safety:** Use only the provided batteries and charging cable. Do not overcharge or short-circuit batteries. Discontinue use if batteries show signs of damage or swelling.
- **Avoid Water:** Do not expose the helicopter or remote control to water or moisture.
- **Regular Inspection:** Before each flight, inspect the helicopter for any damage to the blades, frame, or other components. Do not fly if damaged.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 4DRC M5 RC Helicopter
- Remote Control
- 2 x Rechargeable Lithium-Ion Batteries
- USB Charging Cable
- Spare Rotor Blades
- User Manual (this document)

Image: The complete package contents including the 4DRC M5 RC Helicopter, its remote control, two rechargeable batteries, and two interchangeable helicopter shells.

4. PRODUCT OVERVIEW

Helicopter Components

- Main Rotor Blades
- Tail Rotor
- Landing Skids
- Battery Compartment
- LED Lights

Remote Control Layout

- Left Stick: Throttle (up/down), Yaw (left/right)
- Right Stick: Forward/Backward, Left/Right Sideways Flight
- One-Key Take-off/Landing Button

- Speed Mode Button
- Power Button
- Trim Controls

Image: Illustration of the helicopter's one-key take-off and landing function, showing the helicopter ascending and descending with a single button press on the remote control.

5. Setup

5.1 Battery Installation and Charging

The 4DRC M5 helicopter comes with two rechargeable Lithium-Ion batteries, providing extended flight time.

1. **Helicopter Battery:** Carefully insert a fully charged battery into the helicopter's battery compartment. Ensure it clicks into place securely.

2. **Remote Control Batteries:** Open the battery compartment on the back of the remote control and insert 3 x AAA batteries (not included), observing the correct polarity.

3. **Charging:** Connect the helicopter battery to the USB charging cable. Plug the USB cable into a standard USB power

adapter (e.g., computer USB port, phone charger). The indicator light on the USB cable will show charging status (e.g., red for charging, off when fully charged). Charging typically takes about 60-90 minutes per battery.

Image: The 4DRC M5 RC Helicopter displayed alongside two rechargeable batteries, illustrating the power source for extended flight sessions.

5.2 Pairing the Helicopter and Remote Control

Follow these steps to pair your helicopter with the remote control:

1. Place the helicopter on a flat, level surface.
2. Turn on the helicopter's power switch. The helicopter's indicator lights will flash.
3. Turn on the remote control's power switch.
4. Push the left throttle stick all the way up, then pull it all the way down. The remote control will beep, and the helicopter's lights will become solid, indicating successful pairing.

Your helicopter is now ready for flight.

Image: A 4DRC M5 RC Helicopter in flight, with a hand holding the 2.4GHz remote control, demonstrating the wireless connection and control.

6. OPERATING INSTRUCTIONS

6.1 Basic Flight Controls

- **Take-off:** Press the One-Key Take-off/Landing button. The helicopter will automatically ascend and hover at a certain altitude. Alternatively, slowly push the left throttle stick up to take off manually.
- **Landing:** Press the One-Key Take-off/Landing button again. The helicopter will automatically descend and land. Alternatively, slowly pull the left throttle stick down to land manually.
- **Altitude Hold:** The helicopter features an altitude hold function, allowing it to maintain a stable height automatically.
- **Forward/Backward:** Push the right stick up or down.
- **Turn Left/Right (Yaw):** Push the left stick left or right.
- **Sideways Flight (Strafe):** Push the right stick left or right.

Image: The 4DRC M5 RC Helicopter demonstrating its altitude hold feature, maintaining a stable hover at a fixed height.

6.2 Speed Modes

The helicopter offers multiple speed modes for different skill levels. Press the Speed Mode button on the remote control to cycle through the available speeds (e.g., low, medium, high). Start with low speed for beginners.

Image: Two 4DRC M5 RC Helicopters in motion, illustrating the two available speed settings, with the remote control indicating the speed adjustment button.

6.3 LED Lights

The helicopter is equipped with bright LED lights, allowing for visibility even in low-light conditions. These lights also enhance the visual appeal during flight.

Image: The 4DRC M5 RC Helicopter in flight, showcasing its integrated LED lights that illuminate the path, making it visible in darker environments.

7. MAINTENANCE

7.1 Cleaning

Use a soft, dry cloth to clean the helicopter and remote control. Do not use chemical cleaners or water, as this can damage electronic components.

7.2 Rotor Blade Replacement

If a rotor blade is damaged, replace it with a spare blade from the package. Carefully remove the damaged blade and install the new one, ensuring it is securely fastened.

INGENIOUS & DURABLE

Image: Close-up view of hands demonstrating the process of replacing a rotor blade on the 4DRC M5 RC Helicopter, highlighting its durable and user-serviceable design.

7.3 Storage

When not in use, store the helicopter and remote control in a cool, dry place, away from direct sunlight and extreme temperatures. Remove batteries from the remote control if storing for extended periods.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Helicopter does not respond to remote control.	Not paired; low battery; remote control batteries dead.	Re-pair the helicopter; charge helicopter battery; replace remote control batteries.
Helicopter drifts during flight.	Needs calibration; environmental interference.	Ensure helicopter is on a flat surface during pairing; use trim buttons on remote control to adjust.

Problem	Possible Cause	Solution
Short flight time.	Battery not fully charged; old battery.	Ensure battery is fully charged; consider replacing battery if it's old.
Blades not spinning.	Obstruction; motor issue; battery not connected.	Check for obstructions; ensure battery is properly connected.

9. SPECIFICATIONS

Feature	Detail
Model	M5
Dimensions	25 x 5 x 12 cm
Weight	25 g
Material	Metal
Control Frequency	2.4 GHz
Batteries	2 x C Batteries (included, rechargeable Lithium-Ion)
Remote Control Batteries	AAA batteries (not included)
Recommended Age	6 years and up
Features	Altitude Hold, One-Key Take-off/Landing, LED Light, 2 Speed Modes

10. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official 4DRC website. Keep your purchase receipt as proof of purchase.