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4DRC M5

4DRC M5 Remote Control Helicopter User Manual

Model: M5

INTRODUCTION

Thank you for purchasing the 4DRC M5 Remote Control Helicopter. This manual provides essential information for the safe operation, setup, and maintenance of your new helicopter. Please read this manual thoroughly before use and retain it for future reference.

The 4DRC M5 is a 2.4 GHz remote-controlled helicopter designed for children, featuring gyroscopic stability control, altitude hold, two speed modes, and an LED light for enhanced visibility. It is constructed from lightweight and durable plastic materials, offering a control range of approximately 50 meters.

PACKAGE CONTENTS

Before operating, please ensure all items listed below are present in your package:

- 1 x 4DRC M5 Remote Control Helicopter
- 1 x Remote Controller
- 2 x Modular Batteries (Lithium-ion)
- 1 x USB Charging Cable
- Spare Propeller Blades
- User Manual (This document)

SAFETY PRECAUTIONS

To ensure safe operation and prevent damage, please observe the following precautions:

- **Age Recommendation:** The manufacturer recommends this product for ages 24 months to 3 years. Due to the nature of remote-controlled aircraft, adult supervision is highly recommended for all users.
- **Adult Supervision:** Always operate under adult supervision, especially for younger users.
- **Environment:** Fly in open, clear areas, away from people, animals, obstacles, and water. Avoid flying in strong winds.
- **Battery Safety:**

- Do not overcharge or over-discharge batteries.
 - Use only the provided charging cable.
 - Do not expose batteries to extreme temperatures or direct sunlight.
 - If batteries swell or leak, discontinue use immediately.
- **Propellers:** Keep fingers, hair, and loose clothing away from rotating propellers.
 - **Impact:** Avoid crashes. Repeated impacts can damage the helicopter.

SETUP

1. Charging the Helicopter Battery

The helicopter uses Lithium-ion modular batteries. Ensure they are fully charged before first use.

1. Remove the battery from the helicopter (if pre-installed).
2. Connect the battery to the USB charging cable.
3. Plug the USB charging cable into a suitable USB power source (e.g., computer USB port, USB wall adapter).
4. The indicator light on the charging cable will show the charging status (e.g., red for charging, off/green for fully charged).
5. Once fully charged, disconnect the battery from the charger.

Note: Do not leave batteries charging unattended.

2. Installing Helicopter Battery

Carefully insert the charged modular battery into the battery compartment of the helicopter. Ensure it is securely connected and the compartment cover is closed (if applicable).

3. Installing Remote Controller Batteries

The remote controller requires 2 C batteries.

1. Open the battery compartment on the back of the remote controller.
2. Insert 2 C batteries, observing the correct polarity (+/-).
3. Close the battery compartment cover.



Luce a LED



Image: The 4DRC M5 helicopter and its remote controller.

4. Pairing the Helicopter and Remote Controller

Follow these steps to establish a connection between the helicopter and the remote controller:

1. Place the helicopter on a flat, level surface.
2. Turn on the helicopter's power switch. The LED lights on the helicopter will flash.
3. Turn on the remote controller's power switch.
4. Push the left joystick (throttle) all the way up, then all the way down.
5. The helicopter's LED lights will stop flashing and remain solid, indicating successful pairing.

OPERATING INSTRUCTIONS

Basic Controls

- **Left Joystick (Throttle):**

- Push up: Increase altitude.
- Push down: Decrease altitude.

- **Right Joystick (Directional):**

- Push up/down: Fly forward/backward.
- Push left/right: Fly left/right.

One-Key Takeoff/Landing

The 4DRC M5 features a one-key takeoff and landing function for ease of use, especially for beginners.

- After pairing, press the One-Key Takeoff button (refer to controller diagram if available, otherwise assume a labeled button). The helicopter will automatically ascend to a stable hovering altitude.
- To land, press the One-Key Landing button. The helicopter will slowly descend and land automatically.



Image: Illustration of one-key takeoff and landing.

Altitude Hold Function

The advanced barometric pressure technology allows the helicopter to automatically hover at a certain altitude after takeoff, providing stable flight and easier control.



Image: The helicopter maintaining a stable hover.

Speed Modes

The helicopter offers two speed modes (high and low) to suit different skill levels and flying environments.

- Press the Speed button on the remote controller to switch between low and high speed.
- Low speed is recommended for beginners and indoor flying.
- High speed provides more agile flight for experienced users and outdoor conditions.



2 Modalità di Velocità



Image: Visual representation of the helicopter operating in two different speed modes.

LED Light

The helicopter is equipped with an LED light that provides directional indication and enhances visibility during flight, especially in low-light conditions.



Image: The 4DRC M5 helicopter flying with its LED light active.

Flight Time

With two powerful modular batteries included, the helicopter offers an extended flight time of up to 25 minutes.

20
MIN

2 Batterie



Image: The 4DRC M5 helicopter highlighting its two batteries and extended flight duration.

Video Demonstration

Watch this video for a demonstration of the 4DRC M5 helicopter in flight.

Your browser does not support the video tag.

Video: A demonstration of the 4DRC M5 Remote Control Helicopter's flight capabilities.

Another video showcasing the helicopter's features.

Your browser does not support the video tag.

Video: Further demonstration of the 4DRC M5 helicopter's operation.

MAINTENANCE

Cleaning

Wipe the helicopter with a clean, dry cloth after each use. Do not use water or chemical cleaners.

Propeller Replacement

In case of damage, propellers can be replaced. Ensure the helicopter is powered off before attempting replacement.

INGENIOUS & DURABLE



Image: Detailed view of propeller and landing gear components, indicating ease of maintenance.

Storage

Store the helicopter and remote controller in a cool, dry place, away from direct sunlight. Remove batteries from the remote controller if storing for extended periods.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Helicopter does not respond to remote.	<ul style="list-style-type: none"> • Low helicopter battery. • Low remote controller batteries. • Not paired correctly. • Out of range. 	<ul style="list-style-type: none"> • Charge helicopter battery. • Replace remote controller batteries. • Re-pair the helicopter and remote controller. • Ensure helicopter is within 50m control range.
Helicopter cannot take off or flies unstably.	<ul style="list-style-type: none"> • Damaged propellers. • Helicopter not on a flat surface for takeoff. • Low battery. 	<ul style="list-style-type: none"> • Replace damaged propellers. • Place helicopter on a flat, level surface. • Charge helicopter battery.
Short flight time.	<ul style="list-style-type: none"> • Battery not fully charged. • Battery degradation over time. 	<ul style="list-style-type: none"> • Ensure battery is fully charged. • Consider replacing the battery if it's old or frequently used.

SPECIFICATIONS

Feature	Detail
Model Number	M5
Brand	4DRC
Product Dimensions	25 x 5 x 12 cm
Item Weight	310 grams
Recommended Age	24 months - 3 years (Adult supervision recommended)
Batteries (Helicopter)	Lithium-ion (2 included)
Batteries (Remote)	2 C batteries (included)
Material Type	Plastic
Control Frequency	2.4 GHz
Control Range	Approximately 50 meters
Channels	3
Special Features	Gyroscopic Stability, Altitude Hold, 2 Speed Modes, LED Light, One-Key Takeoff/Landing

WARRANTY AND SUPPORT

Specific warranty information is not provided in the product details. For warranty claims or technical support, please contact the retailer where the product was purchased or visit the official 4DRC website for customer service contact information.

Manufacturer: 4DRC

First Available Date: August 3, 2021

