**4DRC M5**

# 4DRC M5 RC Helicopter User Manual

Model: M5 | Brand: 4DRC

## INTRODUCTION

Welcome to the user manual for your 4DRC M5 RC Helicopter. This guide provides essential information for safe operation, setup, flight, and maintenance of your new remote control helicopter. Designed for kids aged 8 and up and beginners, the M5 features easy controls, durable construction, and stable flight capabilities.

## SAFETY PRECAUTIONS

- Always operate the helicopter in open spaces, away from people, animals, and obstacles.

- Do not fly near high-voltage lines, trees, or water.

- Adult supervision is recommended for children.

- Ensure batteries are charged correctly and handled safely.

- Do not touch rotating blades.

- Turn off the helicopter and remote control when not in use.

## WHAT'S IN THE BOX

- 4DRC M5 RC Helicopter (with one shell installed)

- Remote Control

- 2 x Modular Batteries

- USB Charging Cable

- Spare Helicopter Shell (e.g., blue)

- Spare Propeller Blades

- Screwdriver
- User Manual (this document)



The 4DRC M5 RC Helicopter package includes the helicopter, remote control, two modular batteries, a USB charging cable, and an additional helicopter shell for customization.

## SETUP

### 1. Charging the Batteries

The 4DRC M5 helicopter comes with two modular batteries.

1. Connect the USB charging cable to the battery.
2. Plug the USB end into a 5V/1A USB power adapter (not included) or a computer USB port.
3. The indicator light on the charging cable will illuminate during charging and turn off when fully charged.
4. Charging time is approximately 60-90 minutes per battery. Each fully charged battery provides about 10-15 minutes of flight time.

## 2. Installing Helicopter Battery

Insert a fully charged modular battery into the battery compartment on the underside of the helicopter. Ensure it clicks securely into place.

## 3. Installing Remote Control Batteries

The remote control requires 3 x AAA batteries (not included).

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

## 4. Power On and Pairing

1. Place the helicopter on a flat, level surface.
2. Turn on the helicopter's power switch (usually located on the underside or side). The helicopter's indicator lights will flash.
3. Turn on the remote control's power switch. The remote control's indicator light will flash.
4. To pair, push the left joystick (throttle) all the way up, then pull it all the way down. The helicopter's lights will stop flashing and remain solid, indicating successful pairing.

**Important:**
Always pair the helicopter and remote control on a flat surface to ensure proper gyroscope calibration.

## OPERATING YOUR HELICOPTER

### Basic Controls

| Control | Action | Function |
| --- | --- | --- |
| Left Joystick (Throttle) | Push Up/Down | Ascend/Descend |
| Left Joystick (Throttle) | Push Left/Right | Rotate Left/Right (Yaw) |
| Right Joystick | Push Up/Down | Fly Forward/Backward (Pitch) |
| Right Joystick | Push Left/Right | Fly Left/Right (Roll) |
| One Key Take-Off/Landing Button | Press | Automatic Take-Off/Landing |
| Speed Mode Button | Press | Switch between Low/High Speed |
| Trim Buttons | Press | Adjust for drifting (forward/backward/left/right) |

The remote control features intuitive joysticks and dedicated buttons for easy operation, including one-key functions and speed adjustments.

## One Key Take-Off/Landing

After successful pairing, press the One Key Take-Off/Landing button. The helicopter will automatically ascend to a stable hovering height. Press it again to initiate an automatic gentle landing.

The One Key Take-Off/Landing feature simplifies flight initiation and termination, allowing the helicopter to automatically ascend or descend with a single button press.

## Altitude Hold Function

The M5 helicopter is equipped with advanced barometric pressure technology, allowing it to maintain a stable altitude automatically once it reaches a certain height. This feature makes it easier for beginners to control.

# Altitude Hold



The Altitude Hold function enables the helicopter to maintain a consistent height, providing stable flight and easier control for new pilots.

## Speed Modes

The helicopter offers two speed modes: Low and High. Press the Speed Mode button on the remote control to switch between them. Low speed is recommended for beginners and indoor flight, while High speed provides more agility for experienced pilots or outdoor use.

Switch between Low and High speed modes to match your skill level and flying environment, offering versatility for both beginners and more experienced users.

## Trim Adjustment

If the helicopter drifts in any direction without input, use the trim buttons on the remote control to correct its flight path. For example, if it drifts forward, press the backward trim button until it hovers steadily.
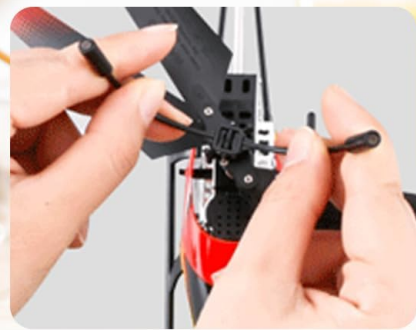
## LED Lights

The helicopter features bright LED lights, allowing for visibility and flight even in low-light conditions.

## MAINTENANCE

- **Cleaning:** Wipe the helicopter with a clean, dry cloth. Do not use water or chemical cleaners.
- **Battery Care:**
  - Always remove batteries from the helicopter and remote control when not in use.
  - Store batteries in a cool, dry place.
  - Do not overcharge or over-discharge batteries.

- If the helicopter will not be used for an extended period, charge the batteries to about 50% before storage.

- **Blade Replacement:** In case of damage, replace propeller blades with genuine 4DRC M5 spare parts. Refer to the diagram for correct installation.



The helicopter's durable construction includes easily replaceable parts like propeller blades, ensuring longevity and ease of maintenance.

- **Shell Replacement:** The helicopter comes with two interchangeable shells. To change the shell, carefully detach the current one and snap the new one into place.

# Two Types Of Case



Blue case

Red Shell

Customize your helicopter's appearance by easily swapping between the two included body shells.

## TROUBLESHOOTING

| Problem | Possible Cause | Solution |
| --- | --- | --- |
| Helicopter does not respond | Not paired; Low battery (helicopter/remote); Power switch off | Re-pair; Charge/replace batteries; Turn on power |
| Helicopter drifts | Not trimmed; Uneven surface during pairing | Use trim buttons; Re-pair on flat surface |
| Weak flight/Short flight time | Low battery; Damaged blades | Fully charge batteries; Replace damaged blades |
| Blades not spinning | Obstruction; Motor issue | Check for obstructions; Contact support |
| Remote control not working | Low battery; Not paired | Replace batteries; Re-pair |

## SPECIFICATIONS

- **Model:** M5

- **Brand:** 4DRC

- **Dimensions:** 6.2 x 3.5 x 12 inches

- **Weight:** 10.5 ounces

- **Control Frequency:** 2.4GHz

- **Control Distance:** Approximately 80 meters

- **Flight Time:** 10-15 minutes per battery (2 batteries included)

- **Battery Type:** Modular (included)

- **Remote Control Batteries:** 3 x AAA (not included)

- **Recommended Age:** 8 years and up

- **Features:** Altitude Hold, One Key Take-Off/Landing, 2 Speed Modes, LED Lights, Durable Alloy Body, Interchangeable Shells.
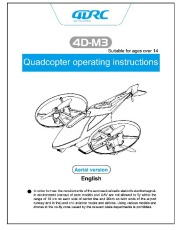
## WARRANTY AND SUPPORT

For warranty information, technical support, or replacement parts, please contact 4DRC customer service. Refer to the product packaging or the official 4DRC website for contact details.

## Related Documents - M5

| | |
|---|---|
| | [4D-V8 Quadcopter Operating Instructions and User Manual](#)<br>Comprehensive operating instructions and user manual for the 4DRC 4D-V8 Quadcopter, covering setup, flight controls, safety precautions, and app usage. |
|  | [4DRC 4D-FIO Quadcopter User Manual & Operating Instructions](#)<br>This user manual provides comprehensive operating instructions for the 4DRC 4D-FIO Quadcopter. Learn about setup, flight controls, app features, safety guidelines, and troubleshooting for this GPS-enabled drone, suitable for ages 14+. |

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|  | [4DRC 4D-M3 Quadcopter Operating Instructions and Manual](#)<br>Comprehensive operating instructions and guide for the 4DRC 4D-M3 Quadcopter, covering setup, flight controls, app usage, and troubleshooting. |
|  | [4DRC 4D-F12 Quadcopter Operating Instructions](#)<br>Comprehensive operating instructions and user manual for the 4DRC 4D-F12 Quadcopter, covering setup, flight operations, app control, and safety guidelines. |
|  | [4DRC 4D-V4 Quadcopter User Manual and Operating Instructions](#)<br>Comprehensive user manual for the 4DRC 4D-V4 quadcopter, providing detailed operating instructions, setup guides, flight controls, safety warnings, and troubleshooting tips for drone pilots. |
|  | [4DRC 4D-V14 WiFi Version Quadcopter Operating Instructions](#)<br>Comprehensive operating instructions for the 4DRC 4D-V14 WiFi Version Quadcopter, covering setup, flight operations, remote control functions, and APP usage. |