

## 4DRC 4DM5

# 4DRC 4DM5 Remote Control Helicopter User Manual

Model: 4DM5

## 1. INTRODUCTION

Thank you for purchasing the 4DRC 4DM5 Remote Control Helicopter. This manual provides essential information for the safe operation, setup, and maintenance of your new RC aircraft. Designed for both beginners and experienced enthusiasts, the 4DM5 features altitude hold, 2.4GHz control, and durable construction for enjoyable indoor flying.



Image: The 4DRC 4DM5 helicopter with its remote control and two interchangeable body shells.

## 2. SAFETY PRECAUTIONS

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To ensure safe operation and prevent damage, please read and adhere to the following safety guidelines:

- **Indoor Use Only:** This helicopter is designed for indoor flying. Avoid flying outdoors, especially in windy conditions, as it can lead to loss of control.
- **Adult Supervision:** Children should operate the helicopter under direct adult supervision.
- **Clear Area:** Ensure the flying area is clear of people, pets, and obstacles such as furniture, lights, and fragile items.
- **Battery Safety:**
  - Use only the provided charging cable and batteries.
  - Do not overcharge or short-circuit batteries.
  - Do not expose batteries to extreme temperatures or direct sunlight.
  - Remove batteries from the helicopter and remote control when not in use for extended periods.
- **Avoid Contact:** Do not touch the rotating blades during flight or immediately after landing.
- **Water Exposure:** Keep the helicopter and remote control away from water and moisture.

## 3. PACKAGE CONTENTS

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Verify that all items are present in your package:

- 4DRC 4DM5 RC Helicopter (with one shell installed)
- Remote Control Transmitter
- Modular Lithium-Ion Batteries (x2)
- USB Charging Cable
- Spare Helicopter Shell (x1, different color)
- User Manual (this document)

COLORS

TWO COLORS



Image: The helicopter comes with two interchangeable body shells, allowing for customization.

## 4. SETUP

### 4.1 Battery Installation and Charging

- Helicopter Battery:** Insert one of the modular Lithium-Ion batteries into the battery compartment on the underside of the helicopter. Ensure it clicks securely into place.
- Remote Control Batteries:** Open the battery cover on the back of the remote control. Insert 3 x AAA batteries (not included), observing the correct polarity (+/-). Close the cover.
- Charging:** Connect the USB charging cable to the helicopter's battery port and to a USB power source (e.g., computer USB port, USB wall adapter). The charging indicator light will show the charging status. A full charge typically takes approximately 45 minutes, providing 10+ minutes of flight time per battery.

30  
MIN

# 30 MINS FLIGHT TIME



Image: The helicopter's modular battery system allows for extended play time by swapping charged batteries.

## 4.2 Helicopter Shell Assembly

The 4DM5 helicopter allows for easy interchange of its outer shell. To change the shell:

1. Gently detach the currently installed shell from the helicopter frame.
2. Align the new shell with the helicopter's frame and carefully snap it into place. Ensure all clips are secured.

## 4.3 Pairing the Remote Control

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

1. Ensure the helicopter battery is charged and installed. Place the helicopter on a flat, level surface.
2. Turn on the helicopter's power switch. The helicopter's LED lights will flash.
3. Turn on the remote control. The remote's indicator light will flash.
4. Push the left joystick (throttle) all the way up, then pull it all the way down.
5. The helicopter's and remote's indicator lights will become solid, indicating successful pairing. You are now ready to fly.

## 5. OPERATING INSTRUCTIONS

### 5.1 Basic Controls

- **Left Joystick (Throttle):** Push up to increase altitude, pull down to decrease altitude.
- **Right Joystick (Direction):** Push forward to fly forward, pull back to fly backward. Push left to fly left, push right to fly right.

### 5.2 One Key Take-Off/Landing

This feature simplifies starting and ending your flight:

- **One Key Take-Off:** After pairing, press the One Key Take-Off button (refer to remote diagram). The helicopter will automatically ascend and hover at a stable altitude.
- **One Key Landing:** During flight, press the One Key Landing button. The helicopter will automatically descend and land gently.



Image: Visual representation of the one-key take-off and landing function, simplifying flight initiation and termination.

### 5.3 Altitude Hold Function

The advanced barometric pressure technology allows the helicopter to maintain a stable altitude automatically. Once the helicopter reaches your desired height, release the throttle joystick, and it will hold its position.



Image: The altitude hold feature allows the helicopter to maintain a stable height, making it easier to control.

### 5.4 Speed Adjustment

The 4DM5 offers two speed modes (High and Low) to suit different skill levels and flying environments. Press the speed switch button on the remote control to toggle between modes.



## 2 SPEED aDIUSTMENT



Image: The helicopter supports two speed modes, allowing pilots to adjust flight speed for different skill levels or environments.

### 5.5 Trim Control

If the helicopter drifts in any direction without input, use the trim buttons on the remote control to correct its flight path. Press the trim button opposite to the direction of drift until stable flight is achieved.

### 5.6 LED Light Control

The helicopter is equipped with bright LED lights for enhanced visibility, especially in low-light conditions. Refer to the remote control diagram for the specific button to turn the lights on or off.



## Lighting Control



Image: The helicopter features integrated LED lights, improving visibility during flight, especially in darker environments.

## 6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your helicopter:

- Cleaning:** Use a soft, dry cloth to wipe down the helicopter and remote control after each use. Avoid using water or chemical cleaners.
- Blade Inspection:** Periodically check the rotor blades for any signs of damage, cracks, or bends. Replace damaged blades immediately to ensure stable flight.
- Battery Care:** Store batteries in a cool, dry place. Do not store fully charged or completely depleted batteries for extended periods. Charge them to about 50% for long-term storage.
- Storage:** When not in use, store the helicopter and remote control in a safe, dry place, away from direct sunlight and extreme temperatures.

## 7. TROUBLESHOOTING

If you encounter issues with your 4DRC 4DM5 helicopter, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Helicopter does not respond to remote.	Not paired; low battery in remote or helicopter.	Re-pair the remote and helicopter. Check and replace/charge batteries.
Helicopter drifts during flight.	Needs trim adjustment.	Use the trim buttons on the remote to correct drift.
Short flight time.	Battery not fully charged; old battery.	Ensure battery is fully charged. Consider replacing old batteries if performance degrades.
Blades not spinning or spinning slowly.	Obstruction; damaged blades; low battery.	Check for obstructions. Replace damaged blades. Charge helicopter battery.

## 8. SPECIFICATIONS

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- **Model Number:** 4DM5
- **Dimensions:** 17.78 x 12.7 x 20.32 cm
- **Weight:** 290 g
- **Battery Type:** Lithium-Ion (Modular)
- **Flight Time:** Approximately 10+ minutes per battery
- **Control Frequency:** 2.4GHz
- **Control Distance:** Up to 80 meters
- **Material:** Plastic, Metal
- **Recommended Age:** 14 years and up

## 9. WARRANTY AND SUPPORT

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The 4DRC 4DM5 Remote Control Helicopter comes with a standard manufacturer's warranty. For specific warranty terms, please refer to the product packaging or contact the retailer where the product was purchased. If you require technical support or have questions not covered in this manual, please contact 4DRC customer service through their official website or the retailer's support channels.

## Related Documents

 <p><b>4D-LI</b> Suitable for ages over 14 Quadcopter operating instructions WiFi version English</p> <p><small>In order to meet the requirements of the aeronautical radio equipment regulations, the maximum distance between the remote control and the aircraft must not exceed 50 m on each side of the center line and 100 m in the direction of the aircraft's movement. It is prohibited to fly the aircraft in the vicinity of airports, airfields, and other areas where the use of aircraft is prohibited. It is also prohibited to fly the aircraft in the vicinity of power lines and other areas where the use of aircraft is prohibited.</small></p>	<p><b>4D-LI Quadcopter Operating Instructions</b> Comprehensive operating instructions for the 4D-LI Quadcopter by 4DRC, covering setup, flight preparation, remote control and app usage, and troubleshooting.</p>
 <p><b>4D-S2</b> HIGH-SPEED REMOTE CONTROL BOAT OPERATION MANUAL www.4drc.com</p> <p><small>THE MANUFACTURER IS NOT LIABLE FOR DAMAGE TO PROPERTY OR PERSONAL INJURY CAUSED BY THE USE OF THIS PRODUCT. THE MANUFACTURER IS NOT LIABLE FOR DAMAGE TO PROPERTY OR PERSONAL INJURY CAUSED BY THE USE OF THIS PRODUCT. THE MANUFACTURER IS NOT LIABLE FOR DAMAGE TO PROPERTY OR PERSONAL INJURY CAUSED BY THE USE OF THIS PRODUCT.</small></p>	<p><b>4D-S2 High-Speed Remote Control Boat Operation Manual</b> This operation manual provides detailed instructions for the 4D-S2 high-speed remote control boat, covering setup, operation, safety precautions, and troubleshooting.</p>
 <p><b>4DRC</b> 4D-V2 INSTRUCTION MANUAL www.4drc.com</p>	<p><b>4DRC 4D-V2 Quadcopter Instruction Manual</b> Comprehensive instruction manual for the 4DRC 4D-V2 quadcopter, covering setup, operation, safety guidelines, and troubleshooting.</p>
 <p><b>4D-V29</b> Suitable for ages over 14 Quadcopter operating instructions WiFi version English</p> <p><small>In order to meet the requirements of the aeronautical radio equipment regulations, the maximum distance between the remote control and the aircraft must not exceed 50 m on each side of the center line and 100 m in the direction of the aircraft's movement. It is prohibited to fly the aircraft in the vicinity of airports, airfields, and other areas where the use of aircraft is prohibited. It is also prohibited to fly the aircraft in the vicinity of power lines and other areas where the use of aircraft is prohibited.</small></p>	<p><b>4DRC 4D-V29 Quadcopter Operating Instructions and User Manual</b> This comprehensive user manual provides detailed instructions for operating the 4DRC 4D-V29 Quadcopter. It covers setup, flight controls, safety warnings, app integration, and troubleshooting for a safe and enjoyable flying experience.</p>