

4DRC Mini Drone

4DRC Mini Drone User Manual

Model: Mini Drone | Brand: 4DRC

1. INTRODUCTION

The 4DRC Mini Drone is a compact and versatile quadcopter designed for both beginners and experienced pilots. It features a 720p HD camera for capturing aerial photos and videos, FPV (First Person View) capabilities, and intelligent flight modes such as Altitude Hold, Headless Mode, 3D Flips, One-Key Take-off/Landing, and Trajectory Flight. With its foldable design and modular batteries, it offers extended flight time and portability, making it an ideal choice for recreational flying.

2. PRODUCT OVERVIEW AND COMPONENTS

Before operating your 4DRC Mini Drone, please ensure all components are present and in good condition.

- 4DRC Mini Drone (with 720p Camera)
- Remote Control
- Modular Batteries (x3)
- Spare Propellers
- Screwdriver
- USB Charging Cable



Figure 2.1: Complete package contents of the 4DRC Mini Drone.

3. SETUP GUIDE

3.1 Battery Installation

Insert the provided modular batteries into the drone and the remote control. Ensure they are securely clicked into place.

Wifi FPV Trammintion



Figure 3.1: The 4DRC Mini Drone and its remote control with a smartphone for FPV viewing.

3.2 Charging

Connect the modular batteries to the USB charging cable and plug it into a suitable USB power source (e.g., computer, USB wall adapter). The indicator light will show charging status. Allow approximately 2 hours for a full charge.

3.3 Remote Control and App Connection

Power on the drone and the remote control. Follow the instructions in the dedicated 4DRC app to connect your smartphone for FPV and advanced control features. Ensure your phone's Wi-Fi is enabled and connected to the drone's Wi-Fi network.



720P HD WIFI CAMERA

Enjoy high-quality video and clear aerial photos through APP

720P



Figure 3.2: Detail of the drone's 720p HD WiFi camera.

4. OPERATING INSTRUCTIONS

Familiarize yourself with the controls and flight modes before your first flight. It is recommended to start in an open, clear area.

4.1 Basic Flight Controls

- **Left Stick (Throttle/Yaw):** Push up/down to control altitude. Push left/right to rotate the drone.
- **Right Stick (Forward/Backward/Side-to-Side):** Push up/down to move forward/backward. Push left/right to move sideways.

4.2 One-Key Take-off and Landing

Press the One-Key Take-off button on the remote or in the app to automatically launch the drone to a stable hovering height. Press the One-Key Landing button to initiate an automatic descent and landing.

4.3 Headless Mode

In Headless Mode, the drone's orientation is relative to the pilot, making it easier for beginners to control without worrying about the drone's front or back direction.

4.4 Altitude Hold

The Altitude Hold feature allows the drone to maintain a stable height automatically, providing easier control for capturing steady photos and videos.



Figure 4.1: Easy-to-fly features: One Key Take Off/Landing, Headless Mode, and Altitude Hold.

4.5 3D Flips

Execute impressive 3D flips with a single button press, adding excitement to your flight experience.

CUSTOM FIGHT PATH

Fly following the path you tap



Figure 4.2: The drone performing 3D flips.

4.6 App Control and FPV

Utilize the dedicated smartphone app for real-time FPV (First Person View) video streaming from the drone's camera. The app also provides additional control options and flight data.

28
MIN **28 MINUTES OF FUN TIME**
Have fun with friends or family.



Figure 4.3: Enjoying FPV flight with the 4DRC Mini Drone.



Figure 4.4: Gravity Sensor APP control for intuitive flight.

4.7 Trajectory Flight

Draw a desired flight path on your smartphone screen within the app, and the drone will automatically follow the specified route.

Gravity Sensor APP control



Figure 4.5: Custom flight path feature.

4.8 Flight Time

The drone comes with three modular batteries, providing a total flight time of up to 30 minutes (approximately 10 minutes per battery).



EASY TO FLY



Figure 4.6: Extended flight time with multiple modular batteries.

4.9 Official Product Video

Video 4.1: Official product video demonstrating the 4DRC V2 Mini drone's features and flight capabilities.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your drone.

- **Cleaning:** Regularly wipe the drone with a soft, dry cloth. Avoid using harsh chemicals or solvents.
- **Propeller Care:** Inspect propellers for damage before each flight. Replace any bent or broken propellers using the provided spare parts and screwdriver.
- **Battery Storage:** Store batteries in a cool, dry place away from direct sunlight and extreme temperatures. Do not store fully charged or completely depleted batteries for extended periods.

6. TROUBLESHOOTING

If you encounter issues with your 4DRC Mini Drone, refer to the table below for common problems and their solutions.

Problem	Possible Cause	Solution
Drone does not power on.	Battery not installed correctly or depleted.	Ensure battery is securely inserted. Charge the battery fully.
Unstable flight or drifting.	Drone not calibrated. Damaged propellers.	Perform drone calibration as per app instructions. Replace any damaged propellers.
Camera not connecting or poor video quality.	App not installed/updated. Weak Wi-Fi signal.	Download and install the latest 4DRC app. Ensure strong Wi-Fi connection between phone and drone. Fly in an open area to minimize interference.
Short flight time.	Battery not fully charged. Old/worn battery.	Ensure batteries are fully charged before each flight. Consider replacing old batteries if performance degrades significantly.

7. SPECIFICATIONS

Key technical specifications of the 4DRC Mini Drone:

Feature	Detail
Brand	4DRC
Model Name	Mini Drone
Video Capture Resolution	720p (1280x720 Pixels)
Connectivity Technology	Wi-Fi
Control Type	App Control
Special Features	360 Degree Flip, FPV, Foldable, One Key Rotation, Altitude Hold
Battery Type	Lithium Ion (3 included)
Material	Plastic
Item Weight	14 ounces
Recommended Age	14 years and up

8. WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries not covered in this manual, please contact 4DRC customer service through their official website or the retailer where the product was purchased. Please retain your proof of purchase for warranty claims.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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Email

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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