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› 4DRC V4 Foldable Mini Drone User Manual

4DRC V4

4DRC V4 Foldable Mini Drone User Manual

Model: V4

PRODUCT OVERVIEW

The 4DRC V4 Foldable Mini Drone is a compact and versatile quadcopter designed for both beginners and experienced users. It features a 1080P HD camera for aerial photography and videography, along with intelligent flight modes for enhanced control and creative possibilities. Its foldable design ensures easy portability.



Image: The 4DRC V4 Foldable Mini Drone, its remote controller, two batteries, spare propellers, propeller guards, and a carrying case.

WHAT'S IN THE BOX

- 1 x 4DRC V4 Foldable Mini Drone
- 1 x Remote Controller
- 2 x Modular Lithium Ion Batteries
- 4 x Spare Propellers
- 4 x Propeller Guards
- 1 x USB Charging Cable
- 1 x Carrying Case
- 1 x User Manual (this document)

SETUP GUIDE

1. Charging the Batteries

Before first use, fully charge both drone batteries using the provided USB charging cable. Connect the cable to a USB power adapter (not included) and the battery. The indicator light on the charging cable will change when charging is complete. Each battery provides up to 16 minutes of flight time, totaling 32 minutes with both batteries.

2. Installing Drone Battery

Insert a fully charged battery into the designated slot on the drone until it clicks securely into place. Ensure the battery is flush with the drone's body.

3. Preparing the Drone for Flight

Unfold the drone's propeller arms carefully until they lock into position. Ensure all four arms are fully extended. Optionally, attach the propeller guards for added protection, especially for beginners.



Image: The drone with its arms unfolded, illustrating the readiness for flight. Propeller guards can be attached to protect the propellers during initial flights.

4. Remote Controller Setup

Install three AAA batteries (not included) into the remote controller. Extend the antennas on the controller for optimal signal. The controller features intuitive joysticks and buttons for various flight functions.

5. App Installation (Optional for advanced features)

Download and install the "4DRC App" from your device's app store (iOS 7.0 or later / Android 4.4 or later). This app enables FPV

(First Person View) real-time transmission, gesture control, trajectory flight, and other advanced functions.

OPERATING INSTRUCTIONS

1. Power On and Pairing

Press and hold the power button on the drone until its indicator lights turn on. Power on the remote controller. The drone and controller will automatically pair. Once paired, the drone's lights will become solid.

2. One Key Take Off / Landing

Press the One Key Take Off button on the remote controller to automatically launch the drone to a stable hovering altitude. Press the One Key Landing button to initiate an automatic landing sequence.

3. Basic Flight Controls

- **Left Joystick:** Control altitude (up/down) and rotation (left/right).
- **Right Joystick:** Control forward/backward and left/right movement.
- **Altitude Hold:** The drone maintains a stable altitude automatically, making it easier to control.
- **Headless Mode:** In this mode, the drone's orientation is relative to the pilot, eliminating the need to adjust its position before flight.



Image: Visual representation of One Key Start, Headless Mode, and Altitude Hold features, simplifying drone operation for new users.

4. Speed Modes

The drone offers 3 speed modes (low, medium, high) to suit different skill levels and flying conditions. Adjust the speed using the dedicated button on the remote controller.



Image: The drone in flight, illustrating the availability of three distinct speed modes for varied flying experiences.

5. Camera Operation and FPV

The 1080P HD camera captures high-definition pictures and videos. The camera angle can be adjusted remotely up to 90 degrees. Connect your smartphone to the drone's Wi-Fi network and open the 4DRC App to view real-time FPV footage and control camera functions.



1080p Full HD 110° FOV Wi-Fi Camera

Capture greater aerial pictures and videos



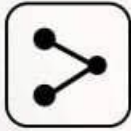
1080P



720P



Image: A close-up of the drone's 1080p Full HD 110-degree FOV Wi-Fi camera, highlighting its capability to capture wide-angle aerial views.



FPV REAL-TIME TRANSMISSION

Share incredible view to SNS with one click



Image: People viewing real-time FPV transmission from the drone on a smartphone, demonstrating the ease of sharing aerial views.

6. Advanced Flight Modes (via 4DRC App)

- **Gesture Control:** Make specific hand gestures in front of the camera to trigger photo or video recording. For example, a "YEAH" gesture for a photo or a "PLAM" gesture for video.



GESTURE CONTROL

Take photo or video by rising your palm or post V sign



Image: Individuals using hand gestures to control the drone's camera functions, such as taking photos or starting video recording.

- **Trajectory Flight (Tap Fly):** Draw a desired flight path on your smartphone screen, and the drone will automatically follow the path.

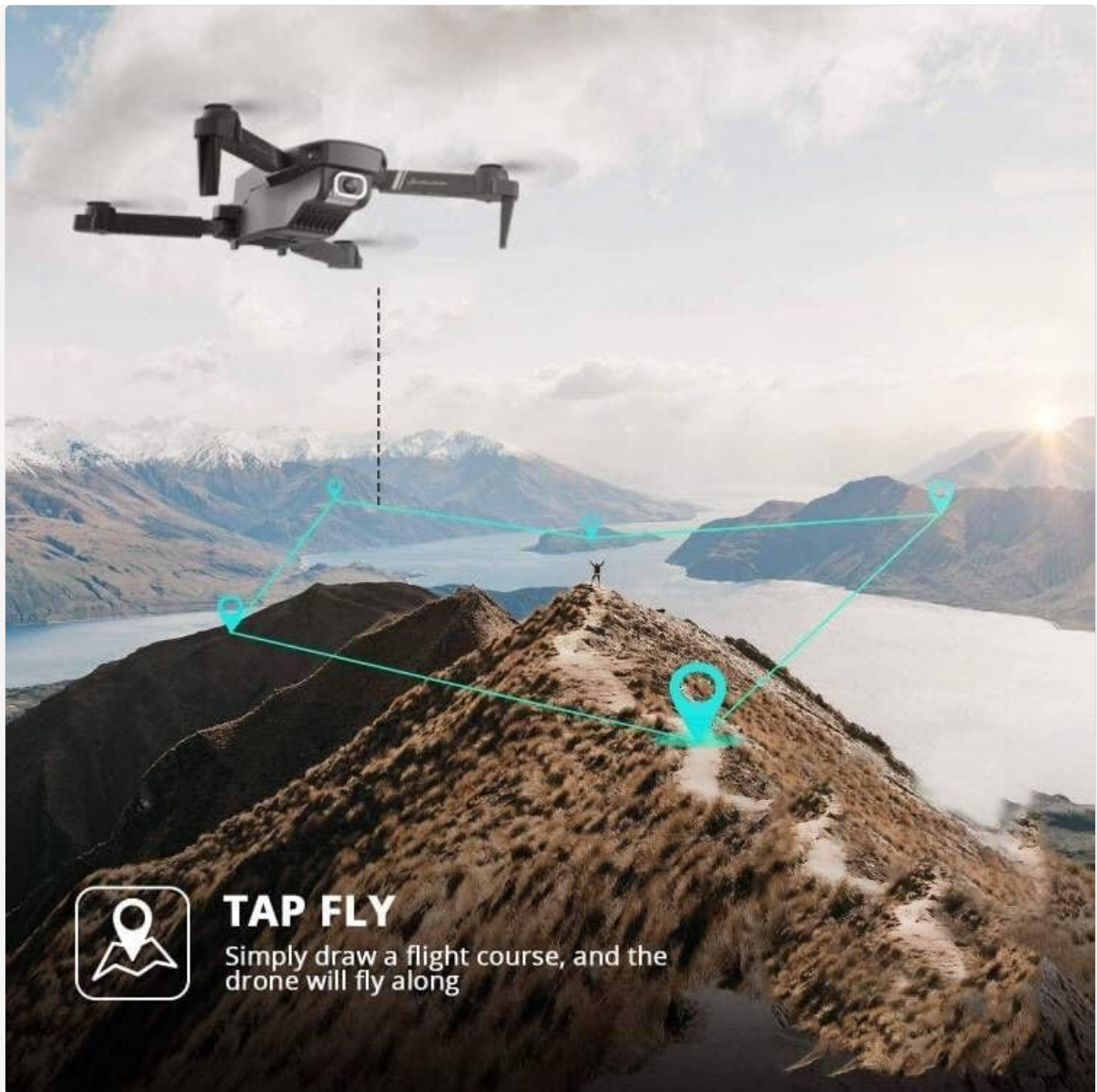


Image: A drone following a pre-drawn trajectory on a map, illustrating the Tap Fly feature for automated flight paths.

- **3D Flip:** Execute impressive 360-degree flips with a single button press on the remote controller.



Image: The drone performing a 360-degree flip in mid-air, showcasing its acrobatic capabilities.

- **Circle Fly:** The drone will fly in a circular path around a designated point.



Image: The drone executing a circular flight pattern, demonstrating the Circle Fly feature.

- **Auto-Follow Function:** The drone can automatically follow a moving subject, ideal for capturing dynamic footage.

7. Official Product Video

Your browser does not support the video tag.

Video: An official product video from 4DRC showcasing the V4 drone's camera capabilities and various flight features, including FPV, gesture control, and portability.

MAINTENANCE

- **Propeller Inspection:** Regularly check propellers for any damage (cracks, bends). Replace damaged propellers immediately using the provided spare parts to ensure stable flight.
- **Cleaning:** Use a soft, dry cloth to clean the drone body and camera lens. Avoid using harsh chemicals or abrasive materials.
- **Battery Care:** Store batteries in a cool, dry place. Do not overcharge or over-discharge batteries. If storing for extended periods, charge them to about 50% capacity.
- **Storage:** When not in use, fold the drone arms and store it in its carrying case to protect it from dust and physical damage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Drone does not respond to controller.	Not paired; low battery on drone or controller.	Ensure drone and controller are powered on and paired correctly. Recharge or replace batteries.
Drone drifts during flight.	Not calibrated; strong wind interference.	Perform gyroscope calibration as per manual. Fly in calm conditions.
Camera not transmitting FPV.	Not connected to Wi-Fi; app issue.	Ensure smartphone is connected to the drone's Wi-Fi network. Restart the app and drone.
Short flight time.	Battery not fully charged; old battery.	Fully charge batteries before each flight. Consider replacing old batteries.
Drone crashes frequently.	Pilot inexperience; damaged propellers/motors.	Practice in open areas. Check and replace damaged parts. Use propeller guards.

SPECIFICATIONS

Brand: 4DRC

Model Name: V4

Product Dimensions: 11"L x 5"W x 11"H (unfolded)

Item Weight: 13.1 ounces

Video Capture Resolution: 1080p

Video Output Resolution: 1920x1080 Pixels

Connectivity Technology: Wi-Fi

Control Type: Remote Control, App Control

Battery Type: Lithium Ion (2 included)

Approx. Flight Time: Up to 26 minutes (with 2 batteries)

Material: Plastic

Skill Level: Beginner

Special Features: 360 Degree Flip, Foldable, First Person View (FPV), Long Battery Life, One Button Return, Stable Hover, Gravity Control, Auto-Follow, Trajectory Flight, Gesture Control.

WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the contact details provided on the product packaging or visit the official 4DRC website. Keep your purchase receipt for warranty claims.

Online Support: [Visit the 4DRC Store on Amazon](#)

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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

Anonymous

Email

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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.

Submit question