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› 4DRC V42 Mini Camera Drone User Manual

4DRC RCV42

4DRC V42 Mini Camera Drone User Manual

Model: RCV42 | Brand: 4DRC

PRODUCT OVERVIEW

The 4DRC V42 Mini Camera Drone is a lightweight and versatile drone designed for both beginners and experienced users. It features a 1080P HD Wi-Fi camera for capturing aerial photos and videos, offering FPV (First Person View) transmission for real-time viewing via a dedicated mobile application. With a flight time of up to 30 minutes, multiple flight modes, and easy-to-use controls, the V42 provides an engaging flying experience.



Image: The 4DRC V42 Mini Camera Drone, its remote controller with a smartphone holder, two batteries, spare propellers, a USB-C charging cable, a screwdriver, and a compact carrying case.

WHAT'S IN THE BOX

- 1 x 4DRC V42 Mini Camera Drone
- 1 x Remote Controller
- 2 x Lithium Ion Batteries
- 1 x USB Charging Cable
- Spare Propellers
- 1 x Mini Screwdriver
- 1 x User Manual (this document)

SETUP GUIDE

1. Battery Installation and Charging

The drone comes with two rechargeable Lithium Ion batteries. Ensure both batteries are fully charged before first use.

1. Connect the USB charging cable to the battery's charging port.
2. Plug the other end of the USB cable into a 5V/2A USB power adapter (not included).
3. The battery indicator light will show charging status and turn off when fully charged.
4. Once charged, insert the battery firmly into the drone's battery compartment until it clicks into place.



Image: Illustration showing the modular battery design of the 4DRC V42 drone, highlighting its overcharge protection feature compared to other pouch batteries.

2. Propeller Installation (if required)

The propellers are typically pre-installed. If replacement is needed, ensure correct orientation:

1. Match the "A" and "B" markings on the propellers with the corresponding motor arms.
2. Gently push down and twist to secure the propellers.
3. Use the provided screwdriver for any necessary propeller screw adjustments.

3. Remote Controller Setup

1. Install 3 x AAA batteries (not included) into the remote controller.
2. Extend the phone holder on the remote controller to mount your smartphone.

4. App Download and Connection

Download the official 4DRC drone application from your smartphone's app store (iOS/Android). Refer to the QR code in the quick start guide for direct download links.

1. Power on the drone by pressing the power button.
2. Turn on the remote controller.
3. On your smartphone, connect to the drone's Wi-Fi network (usually named "4DRC-V42-XXXXXX").
4. Open the 4DRC app. The app should automatically connect to the drone, displaying the live camera feed.

OPERATING INSTRUCTIONS

Pre-Flight Checks

- Ensure both drone and remote controller batteries are fully charged.
- Check that propellers are securely attached and undamaged.
- Perform a compass calibration if prompted by the app or if flying in a new location.
- Choose an open, clear area free from obstacles, people, and strong winds.

Basic Flight Controls

Easy To Fly



Image: Visual representation of the drone's easy-to-fly features including One Key Take Off/Landing, Altitude Hold, and Headless Mode, shown with a drone over a beach setting.

- **One Key Take Off/Landing:** Press the dedicated button on the remote or in the app to automatically take off or land.
- **Altitude Hold:** The drone will automatically maintain its current altitude, making it easier to control and capture stable footage.
- **Headless Mode:** In this mode, the drone's orientation is relative to the pilot, regardless of the drone's actual front direction. This simplifies control for beginners.

Camera Operation and FPV



Image: Detailed view of the drone's 1080P HD camera with a 120-degree wide-angle lens, illustrating its components and capability to capture high-definition images.

The V42 is equipped with a 1080P HD Wi-Fi camera. The camera's angle can be manually adjusted before flight for optimal viewing.

- **FPV Transmission:** View live video feed from the drone's camera directly on your smartphone via the 4DRC app.
- **Photo/Video Capture:** Use the dedicated buttons on the remote controller or within the app to take photos or start/stop video recording. Captured media will be saved to your smartphone's gallery.

Advanced Flight Modes

- **3D Flips:** Press the 3D Flip button on the remote, then push the right joystick in any direction to perform an impressive 360° flip.



Image: Two drones shown in sequence performing a 3D flip maneuver over a coastal area with a city skyline in the background.

- **Trajectory Flight (Waypoints):** Draw a flight path on your smartphone screen within the app, and the drone will automatically follow the designated route.



Image: A drone flying along a dotted trajectory path marked with red pins over a body of water, with a smartphone displaying the flight path in the foreground.

- **Circle Flight:** Activate this mode to make the drone fly in a circular pattern around a central point.

Circle Flight



Image: A drone flying in a circular path around two individuals jogging on a beach, illustrating the Circle Flight mode.

- **Gravity Sensor Mode:** Control the drone's flight direction by tilting your smartphone.



Image: Hands holding a smartphone displaying the drone control interface, with a drone in the background tilting in response to the phone's movement, demonstrating Gravity Sensor control.

- **Speed Modes:** The drone offers 3 adjustable speed modes (low, medium, high) to suit different skill levels and flying conditions.



Image: A young boy looking at his smartphone, with three images of the drone in the background, each representing a different speed mode (slow, medium, fast).

MAINTENANCE

Cleaning

Regularly clean the drone body and propellers with a soft, dry cloth. Avoid using liquids or solvents that could damage electronic components.

Propeller Replacement

If propellers become damaged or bent, replace them immediately using the spare propellers provided. Ensure correct "A" and "B" alignment.

Battery Care

- Do not overcharge or over-discharge the batteries.
- Store batteries in a cool, dry place away from direct sunlight and extreme temperatures.
- If storing for extended periods, charge batteries to approximately 50% capacity.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Drone does not respond to controller.	Low battery on drone or controller; improper pairing.	Charge batteries; re-pair drone and controller according to setup instructions.
Drone drifts during flight.	Needs calibration; strong wind interference.	Perform gyroscope calibration (refer to app instructions); fly in calm conditions.
Poor camera image quality or no live feed.	Weak Wi-Fi signal; app issue; camera lens dirty.	Ensure strong Wi-Fi connection; restart app/drone; clean camera lens. Note: Camera is fixed and cannot be adjusted remotely.
Short flight time.	Battery not fully charged; old battery; aggressive flying.	Fully charge battery; consider replacing old batteries; practice smoother flying.
App requires subscription/payment.	Incorrect app downloaded or third-party app.	Ensure you have downloaded the official 4DRC app. The official app does not require a subscription for basic functionality.

SPECIFICATIONS

Feature	Detail
Model Name	Mini Drone with 1080P Camera (RCV42)
Brand	4DRC
Dimensions	13 x 13 x 7.5 cm
Item Weight	180 g
Camera Resolution	1080P HD
Video Capture Format	MP4
Flight Time	Up to 30 minutes (with 2 batteries)
Battery Type	Lithium Ion (2 included)
Connectivity	USB (for charging), Wi-Fi (for FPV/App)
Special Features	Lightweight, Integrated Camera, Rechargeable, One Key Take Off/Landing, Altitude Hold, Headless Mode, 3D Flips, Trajectory Flight, Circle Flight, Gravity Sensor, 3 Speed Modes
Skill Level	All

WARRANTY AND SUPPORT

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

For further assistance, you may also contact the seller through the platform where the product was purchased.