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› DRONEEYE 4DV9 Mini Drone User Manual

DRONEEYE 4DV9

DRONEEYE 4DV9 Mini Drone User Manual

Model: 4DV9

INTRODUCTION

This manual provides essential information for the safe operation and maintenance of your DRONEEYE 4DV9 Mini Drone. Please read it thoroughly before first use to ensure proper functionality and to prevent damage.



Figure 1: DRONEEYE 4DV9 Mini Drone and Included Accessories

WHAT'S IN THE BOX

Verify that all components are present upon unboxing:

- DRONEEYE 4DV9 Mini Drone (1 unit)
- Remote Control (1 unit)
- Rechargeable Lithium Ion Batteries (3 units)
- USB Charging Cable (1 unit)
- Spare Propellers (4 units)
- Propeller Guards (4 units)
- User Manual (This document)

SETUP GUIDE

1. Battery Installation and Charging

The drone uses modular batteries. Ensure batteries are fully charged before first use.

1. Insert the modular battery into the designated slot on the drone until it clicks into place.
2. Connect the USB charging cable to the battery and a compatible USB power source (e.g., computer USB port, USB wall adapter).
3. The indicator light on the battery will show charging status (refer to battery specific indicators for full details).
Charging typically takes approximately 60-90 minutes per battery.



Figure 2: Modular Battery and Charging

2. Remote Control Setup

Install 3x AAA batteries (not included) into the remote control. Ensure correct polarity.
To pair the remote control with the drone:

1. Place the drone on a flat, level surface.
2. Turn on the drone. The drone's indicator lights will flash.

3. Turn on the remote control.
4. Push the left joystick (throttle) all the way up, then all the way down. The drone's lights will become solid, indicating successful pairing.

3. App Installation and FPV Connection

For FPV (First Person View) and advanced features, download the dedicated drone application on your smartphone or tablet.

1. Scan the QR code in the quick start guide (or search for "4D FLY" or "4DRC PRO" in your device's app store) to download the app.
2. Connect your mobile device to the drone's Wi-Fi network (usually named "4DRC-XXXXXX").
3. Open the app. You should see the live video feed from the drone's camera.



Figure 3: FPV Camera and App Connection

Basic Flight Controls

- **One Key Take-off/Landing:** Press the one-key take-off/landing button on the remote control to automatically launch or land the drone.
- **Altitude Hold:** The drone is equipped with Altitude Hold technology, allowing it to maintain a stable height for easier control and clearer footage.
- **Headless Mode:** Activate Headless Mode to simplify flight orientation. In this mode, the drone's front will always be the direction the pilot is facing, regardless of the drone's actual orientation.



Figure 4: Simplified Flight Features

Advanced Features

- **Voice Control:** Use simple voice commands like "Take off" or "Landing" to control the drone via the app.



Figure 5: Voice Control Functionality

- **Gesture Selfie:** Make a "V" sign or show your palm to the camera, and the drone will automatically take photos or videos, ideal for selfies.
- **3D Flips:** Push the control sticks inwards to perform impressive 3D flips.



Figure 6: Executing 3D Flips

- **Waypoints Fly:** Draw a flight course on your smartphone screen, and the drone will follow the specified trajectory.



Figure 7: Waypoints and Circle Flight

- **Speed Adjustment:** The drone offers 3 speed modes to suit different skill levels and environments.



3 SPEED aDIJUSTMENT



Figure 8: Multiple Speed Modes

Official Product Video

Watch the official product video for a visual guide on the drone's features and operation.

Your browser does not support the video tag.

Video 1: Official DRONEEYE 4DV9 Mini Drone Features Overview. This video demonstrates the drone's key functionalities including flight stability, camera features, and various control modes.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the drone body and camera lens. Avoid using harsh chemicals or solvents.
- **Propeller Replacement:** If propellers are damaged, replace them immediately using the provided spare parts. Ensure correct propeller (A or B) is installed on the corresponding motor.
- **Battery Care:** Store batteries in a cool, dry place. Do not overcharge or over-discharge. If not used for extended periods, charge batteries to about 50% capacity every 3 months.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Drone does not respond to remote.	Not paired; low battery on remote/drone.	Re-pair drone and remote; charge/replace batteries.
Drone drifts during flight.	Not calibrated; uneven surface at take-off; wind interference.	Perform gyroscope calibration on a flat surface; avoid strong winds.
FPV video is choppy or disconnected.	Weak Wi-Fi signal; too far from drone; app issue.	Ensure strong Wi-Fi connection; fly closer to drone; restart app/device.
Propellers not spinning.	Obstruction; damaged motor; low battery.	Check for obstructions; contact support if motor is damaged; charge battery.

SPECIFICATIONS

Brand: DRONEEYE
Model Name: 4DV9
Color: Gray
Material: Plastic
Item Weight: 1.76 ounces (50 Grams)
Product Dimensions: 5.1"L x 4.7"W x 1.3"H
Video Capture Resolution: 1080p (Front Camera)
Connectivity Technology: Wi-Fi
Maximum Range: 327 Feet
Battery Capacity: 700 mAh (per battery)
Battery Cell Composition: Lithium Ion
Skill Level: Beginner
Special Features: 360 Degree Flip, Long Distance Control, One Key Rotation, Speed Adjustment, First Person View (FPV), Altitude Hold, Waypoints Functions, Voice Control, Gesture Selfie.

SAFETY GUIDELINES

Adhere to the following safety guidelines to ensure safe operation and prevent injury or damage:
• Always operate the drone in open, clear areas, away from people, animals, buildings, and power lines. • Do not fly in strong winds or adverse weather conditions. • Keep fingers and hair away from rotating propellers. • Supervise children during drone operation. Recommended age is 14 years and up. • Do not modify or disassemble the drone or its components. • Only use original or manufacturer-approved replacement parts and accessories. • Follow all local laws and regulations regarding drone operation.

WARRANTY AND SUPPORT

For warranty information, technical support, or replacement parts, please contact DRONEEYE customer service through

the retailer's platform or the official brand website. Keep your purchase receipt as proof of purchase.

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

Anonymous

Email

you@example.com

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