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› 4DV8 Drone for Kids and Beginners,RC Mini Quadcopter Toys for Boys and Girls,with 3 Batteries,Altitude Hold,Headless Mode,Throwing GO, 3D Flip and 3 Speed Modes Aeroplane,Blue

DRONEEYE 4DV8

User Manual

DRONEEYE 4DV8 MINI QUADCOPTER

Model: 4DV8

Introduction

Thank you for purchasing the DRONEEYE 4DV8 Mini Quadcopter. This drone is designed for kids and beginners, offering an easy-to-fly experience with features like Altitude Hold, Headless Mode, and various fun flight functions. Please read this manual carefully before operating the drone to ensure safe and proper use.

Safety Guidelines

- Always operate the drone in open, clear areas, away from people, animals, and obstacles.
- Do not fly near airports, power lines, or restricted airspace.
- Ensure the drone's battery and controller's batteries are fully charged before each flight.
- Keep fingers and hair away from rotating propellers.
- Adult supervision is recommended for children operating the drone.
- Do not expose the drone or its components to water or extreme temperatures.

Package Contents

Upon opening the package, please verify that all items listed below are present and in good condition:

- DRONEEYE 4DV8 Mini Quadcopter
- Remote Controller
- 3 x Lithium Ion Batteries (for drone)
- USB Charging Cable
- Spare Propellers
- Propeller Protection Guards (pre-installed)
- User Manual (this document)
- Storage Case



Image: The DRONEEYE 4DV8 Mini Quadcopter, its remote controller, three drone batteries, and a compact storage case are shown. The drone is blue and black with propeller guards.

Product Overview

Drone Components

- **Propellers:** Four rotating blades for lift and thrust.
- **Propeller Guards:** Protect propellers from impact.
- **Battery Compartment:** Located on the underside of the drone.
- **Sensors:** Five sensors for obstacle avoidance (front, back, left, right, bottom).
- **Power Button:** To turn the drone on/off.

Remote Controller Layout

- **Left Joystick:** Controls throttle (up/down) and yaw (rotate left/right).
- **Right Joystick:** Controls forward/backward and left/right movement.

- **One-Key Take-off/Landing Button:** Initiates automatic take-off or landing.
- **Speed Mode Button:** Toggles between 3 speed modes (low, medium, high).
- **Headless Mode Button:** Activates/deactivates headless mode.
- **3D Flip Button:** Initiates a 3D flip maneuver.
- **Power Switch:** Turns the controller on/off.

Setup

1. Charging the Drone Batteries

The drone comes with 3 modular Lithium Ion batteries. Ensure they are fully charged before first use.

1. Connect the USB charging cable to a USB power adapter (not included) or a computer USB port.
2. Connect the other end of the USB charging cable to the drone battery.
3. The indicator light on the USB cable will show charging status (refer to cable instructions for specific light behavior).
4. Charging typically takes approximately 60-90 minutes per battery. Disconnect once fully charged.



27MINUTEN FLUGZEIT



Image: An illustration highlighting the extended flight time of up to 27 minutes, made possible by the inclusion of three powerful drone batteries.

2. Installing Drone Batteries

1. Locate the battery compartment on the underside of the drone.
2. Carefully insert a charged battery into the compartment until it clicks into place.
3. Ensure the battery is securely seated.

3. Installing Remote Controller Batteries

The remote controller requires 3 AAA batteries (not included).

1. Open the battery cover on the back of the remote controller.
2. Insert 3 AAA batteries, observing the correct polarity (+/-).
3. Close the battery cover securely.

4. Pairing the Drone and Controller

1. Place the drone on a flat, level surface.
2. Turn on the drone by pressing its power button. The drone's lights will flash.
3. Turn on the remote controller.
4. Push the left joystick (throttle) all the way up, then all the way down.
5. The drone's lights will stop flashing and become solid, indicating successful pairing.

Operating Instructions

Basic Flight

- **One-Key Take-off:** After pairing, press the One-Key Take-off button. The drone will automatically ascend and hover at a certain altitude.
- **Altitude Hold:** The drone will maintain its current altitude when the left joystick is released, making it easier to control.
- **Forward/Backward:** Push the right joystick up/down.
- **Left/Right Sideways Flight:** Push the right joystick left/right.
- **Rotate Left/Right (Yaw):** Push the left joystick left/right.
- **One-Key Landing:** Press the One-Key Take-off/Landing button again to initiate an automatic landing.



Image: The drone is shown taking off with the press of a button on the remote. Illustrations also depict hand gestures for controlling the drone's movement, such as raising a hand for ascent.

Advanced Features

- **Headless Mode:**

In Headless Mode, the drone's orientation is relative to the pilot, regardless of the drone's actual front. This simplifies control for beginners.

- a. To activate: Press the Headless Mode button on the controller. The drone's lights will flash rapidly.
- b. To deactivate: Press the Headless Mode button again. The lights will return to solid.



HEADLESS MODE



Image: The drone is depicted flying, with directional arrows (N, S, E, W) indicating that its movement is relative to the controller's position, characteristic of Headless Mode.

- **3 Speed Modes:**

Press the Speed Mode button to cycle through low, medium, and high speeds. Start with low speed for learning.

- **3D Flip:**

While flying, press the 3D Flip button, then quickly push the right joystick in any direction (forward, backward, left, or right) to perform a flip.

- **Throw to Go:**

After pairing, gently toss the drone into the air. Its sensors will detect the throw, and the propellers will start spinning, allowing it to hover.

- **Auto-Rotating & Circle Fly:**

These functions can be activated via specific hand gestures or controller commands (refer to controller diagram for specific button combinations if not gesture-based).



MULTIFUNKTION

AUTO DREHEN



Schritte1



Schritte2



KREISE FLUG



Schritte1



Schritte2



Image: Illustrations show the drone performing an "Auto Rotate" maneuver and a "Circle Fly" path. Hand gestures are also depicted for initiating these functions.

- **Auto Obstacle Avoidance:**

The drone is equipped with 5 sensors that help it detect and avoid obstacles in its path, enhancing safety and ease of flight.

< Auto Obstacle Avoidance

Auto sense and avoid Obstacles before hitting on its way



Image: The drone is depicted flying indoors, with a visual representation of its sensors detecting and avoiding an obstacle, illustrating its auto obstacle avoidance feature.

Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the drone and controller. Do not use harsh chemicals or water.
- **Propeller Inspection:** Regularly check propellers for damage (bends, cracks). Replace damaged propellers with spare ones provided.
- **Battery Care:** Store batteries in a cool, dry place. Do not overcharge or over-discharge. Remove batteries from the drone and controller if not used for extended periods.
- **Storage:** Store the drone and its accessories in the provided storage case to protect them from dust and damage.

Troubleshooting

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Drone does not respond to controller.	Not paired; low battery (drone or controller); out of range.	Re-pair drone and controller; charge batteries; ensure drone is within operating range.
Drone drifts or is unstable.	Not calibrated; damaged propellers; strong wind.	Place drone on a flat surface and re-calibrate (refer to specific calibration steps in the full manual if available); replace damaged propellers; fly in calm conditions.
Short flight time.	Battery not fully charged; old battery.	Ensure batteries are fully charged; consider replacing old batteries.
Propellers do not spin.	Drone not powered on; not paired; obstacle blocking propellers.	Turn on drone; pair with controller; check for obstructions and clear them.

Specifications

- **Model:** 4DV8
- **Brand:** DRONEEYE
- **Dimensions:** Approximately 24.6 x 17.6 x 6.9 cm
- **Weight:** Approximately 450 g
- **Flight Time:** 20-27 minutes (with 3 batteries)
- **Battery Type:** Lithium Ion (drone), AAA (controller)
- **Charging Time:** Approx. 60-90 minutes per battery
- **Control Distance:** Long Distance Control
- **Special Features:** Altitude Hold, Headless Mode, 3 Speed Modes, One-Key Take-off/Landing, Throw to Go, 3D Flip, Auto-Rotating, Circle Fly, Auto Obstacle Avoidance.
- **Connectivity:** Wi-Fi

Warranty and Support

For warranty information and customer support, please refer to the contact details provided on the product packaging or visit the official DRONEEYE website. Keep your purchase receipt as proof of purchase for any warranty claims. No official product videos from the seller were found in the provided data.

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