DJI Mini 4K (31-min)

DJI Mini 4K User Manual

Model: Mini 4K (31-min)

Introduction and Overview

The DJI Mini 4K is a lightweight, portable drone designed for capturing high-quality aerial footage. Weighing less than 249 grams, it is regulation-friendly in many regions, often not requiring registration for recreational use. It features a 4K UHD camera with 3-axis gimbal stabilization, ensuring smooth and clear video capture. The drone boasts a 10km max HD video transmission range and is capable of resisting winds up to 38kph (Level 5). With intelligent flight modes and a user-friendly interface, it is an ideal choice for both beginners and experienced pilots.



Image: The DJI Mini 4K drone and its accompanying remote controller, showcasing the compact design.

What's in the Box

The standard DJI Mini 4K package includes all essential components to get you started with your aerial adventures.

- DJI Mini 4K Aircraft x1
- DJI Mini 2 Intelligent Flight Battery x1
- DJI RC-N1C Remote Controller x1
- DJI RC-N1 RC Cable (USB-C Connector) x1
- DJI RC-N1 RC Cable (Lightning Connector) x1
- DJI RC-N1 RC Cable (Standard Micro-USB Connector) x1
- Spare Propellers (Pair) x1
- Spare Screws x 6
- Gimbal Protector x1
- Screwdriver x1

- USB-C Data Cable x1

Note: A battery charger is sold separately. It is recommended to purchase a DJI 30W USB-C Charger or other USB Power Delivery chargers (30W).



Image: Visual representation of the DJI Mini 4K package contents, including the drone, remote controller, and intelligent flight battery.

Setup

1. **Charge the Battery:** Fully charge the Intelligent Flight Battery using a compatible charger (sold separately). Ensure the battery is securely inserted into the drone or charging hub.
2. **Install Propellers:** Attach the propellers to the motor arms according to the markings (silver caps for silver-marked motors, no caps for unmarked motors). Ensure they are securely fastened.
3. **Insert MicroSD Card:** Insert a compatible microSD card (up to 256 GB, sold separately) into the drone's card slot for storing photos and videos.

4. **Download DJI Fly App:** The DJI Fly app is essential for operating the drone. Due to platform compatibility issues, it has been removed from Google Play. Please visit the official DJI website to download the latest version of the DJI Fly app for your mobile device.
5. **Connect Remote Controller:** Connect your mobile device to the DJI RC-N1C Remote Controller using the appropriate RC cable. Power on the remote controller and the drone.
6. **Activate Drone:** Follow the on-screen instructions in the DJI Fly app to activate your DJI Mini 4K. This step is required before first use.



Image: An illustration of the DJI Mini 4K's beginner-friendly features, such as one-tap takeoff/landing and various in-app tutorials.

Operating the Drone

Pre-Flight Checklist:

- Ensure batteries for both drone and remote controller are fully charged.

- Check propellers for any damage and ensure they are securely attached.
- Verify that the gimbal protector is removed before flight.
- Ensure a microSD card is inserted if you plan to record.
- Check local laws and regulations regarding drone flight in your area.
- Ensure GPS signal is strong before takeoff for accurate positioning and Return to Home functionality.

Basic Flight Controls:

The DJI Mini 4K is designed for intuitive control via the DJI Fly app and the remote controller. Use the control sticks to maneuver the drone. The left stick controls altitude and yaw (rotation), while the right stick controls forward/backward and left/right movement.

Intelligent Flight Modes (QuickShots):

The DJI Mini 4K features several QuickShot modes that allow for automatic, professional-level video recording with just a few taps in the DJI Fly app. These include:

- **Helix:** The drone flies upward and spirals around the subject.
- **Dronie:** The drone flies backward and upward, with the camera locked on the subject.
- **Rocket:** The drone flies straight up into the air with the camera pointing downward.
- **Circle:** The drone circles around the subject at a constant altitude and distance.
- **Boomerang:** The drone flies an oval path around the subject, ascending as it flies away and descending as it returns.

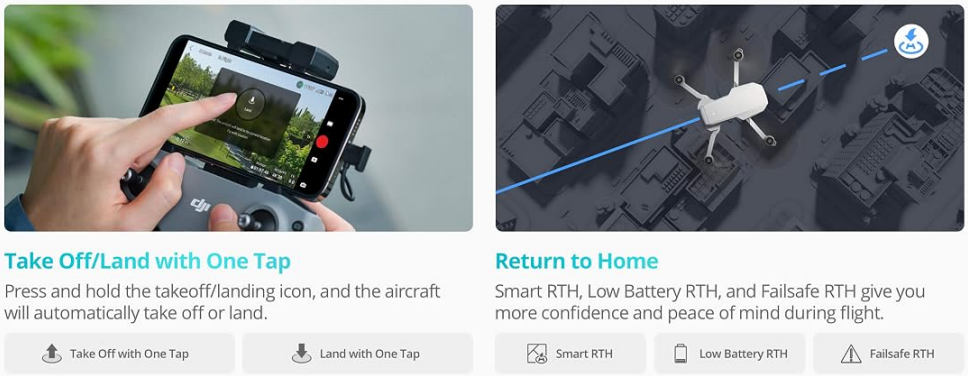


Image: Visual explanation of the intelligent QuickShot modes available on the DJI Mini 4K, demonstrating their flight paths.

Video Transmission:

The DJI Mini 4K utilizes O2 video transmission technology, providing a stable and clear live feed from the drone's camera to your mobile device. It supports up to 10 km (32,800 feet) of HD video transmission, allowing for extensive exploration.



Image: A graphic illustrating the impressive 10km HD video transmission range of the DJI Mini 4K.

Maintenance

- **Cleaning:** Regularly clean the drone's body, propellers, and camera lens with a soft, dry cloth. Avoid using harsh chemicals.
- **Propeller Inspection:** Before each flight, inspect propellers for any cracks, bends, or damage. Replace damaged propellers immediately using the provided spare parts.
- **Battery Care:** Store batteries in a cool, dry place. Do not fully discharge batteries for extended storage. It is recommended to charge them to about 50-60% if storing for long periods.
- **Gimbal Protection:** Always attach the gimbal protector when transporting or storing the drone to prevent damage to the camera and gimbal mechanism.
- **Firmware Updates:** Periodically check the DJI Fly app for firmware updates for both the drone and the remote controller. Keeping firmware updated ensures optimal performance and access to new features.

Troubleshooting

Issue	Possible Cause	Solution
Drone does not power on	Battery not charged or improperly inserted.	Ensure battery is fully charged and correctly inserted. Press and hold power button for 2 seconds to power on.
No video feed in app	Poor connection between remote controller and mobile device/drone.	Check RC cable connection. Ensure drone and RC are linked. Restart app and devices.
Drone drifts during flight	Weak GPS signal or strong wind.	Fly in an open area with clear sky for strong GPS. Avoid flying in strong winds. Perform IMU calibration if drift persists.

Issue	Possible Cause	Solution
Propellers not spinning	Propellers obstructed or not installed correctly.	Ensure no obstructions. Reinstall propellers correctly. Check for any error messages in the app.
App crashes or freezes	Outdated app version or device compatibility issue.	Update DJI Fly app to the latest version from the official DJI website. Ensure your mobile device meets minimum requirements.

Specifications

Brand:	DJI
Model Name:	Mini 4K
Item Model Number:	6941565980328
Item Weight:	246 Grams (8.7 ounces)
Product Dimensions:	9.65"L x 11.37"W x 2.2"H
Video Capture Resolution:	4K UHD
Effective Still Resolution:	12 MP
Gimbal:	3-Axis Mechanical Stabilization
Max Flight Time:	31 Minutes (with 1 battery)
Max Video Transmission Range:	10 Kilometers (32,800 feet)
Wind Resistance:	38kph (Level 5)
Max Takeoff Altitude:	4,000 meters
Connectivity Technology:	Bluetooth, Wi-Fi
Media Type:	Micro SD (up to 256 GB)
Battery Cell Composition:	Lithium Ion
Skill Level:	Beginner; All
Material:	Advanced lightweight material

Warranty and Support

For detailed warranty information, please refer to the official DJI Warranty document. You can access the PDF version of the warranty by clicking the link below:

View Warranty (PDF)

For technical support, product inquiries, or service requests, please visit the official DJI support website or contact their customer service channels. DJI provides comprehensive after-sales service to ensure a satisfactory user experience.

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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.

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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.

Submit question