

DJI CP.PT.00000130.01

# DJI Mavic Air Quadcopter User Manual

Model: CP.PT.00000130.01 | Brand: DJI

## 1. INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your DJI Mavic Air Quadcopter. Please read this manual thoroughly before using the product.

## 2. PRODUCT OVERVIEW

The DJI Mavic Air is a portable and foldable quadcopter featuring a 3-axis gimbal with a 4K camera, advanced flight technologies, and intelligent features for an enhanced aerial experience. It is designed for ease of use and high-quality imaging.



Figure 2.1: Front view of the DJI Mavic Air drone, showcasing its camera and forward sensors.



Figure 2.2: Angled view of the DJI Mavic Air drone, highlighting its sleek design and propellers.



Figure 2.3: The DJI Mavic Air drone in its folded, compact state, ready for transport.

## 3. SETUP

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### 3.1 Unboxing and Component Identification

Carefully unpack all components from the packaging. Verify that all items listed below are present.



Figure 3.1: An overview of all included components in the DJI Mavic Air package.

- MAVIC AIR Aircraft
- MAVIC AIR Remote Controller
- MAVIC AIR Intelligent Flight Battery
- MAVIC AIR Gimbal Protector
- MAVIC AIR Quick-Release Propellers (4 pairs)
- MAVIC AIR Control Sticks (2 pairs)
- MAVIC AIR Carrying Case
- MAVIC AIR Propeller Guards (set)
- Charger and power cable
- RC cables (Lightning, standard micro USB, USB Type-C)
- Communication cable (USB3.0 Type-C)
- USB adapter

## 3.2 Battery Charging

1. Connect the charger to a power outlet.
2. Connect the Intelligent Flight Battery to the charger.
3. Allow the battery to charge fully before first use. The battery level indicators will show charging status.

## 3.3 Propeller Installation

1. Ensure the aircraft is powered off.

2. Match the propellers with the corresponding motor bases (silver caps with silver caps, black caps with black caps).
3. Press down on the propeller and rotate in the lock direction indicated on the propeller until it is securely fastened.

### 3.4 Remote Controller Setup

1. Unfold the remote controller's arms and antenna.
2. Screw the control sticks into place.
3. Extend the mobile device clamps and securely mount your smartphone.
4. Connect your smartphone to the remote controller using the appropriate RC cable.



Figure 3.2: The DJI Mavic Air remote controller with its foldable design and detachable control sticks.

### 3.5 DJI GO 4 App Installation

Download and install the DJI GO 4 app on your mobile device from the official app store. This app is essential for controlling the drone, accessing intelligent flight modes, and viewing the camera feed.

## 4. OPERATING INSTRUCTIONS

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### 4.1 Basic Flight Controls

Familiarize yourself with the remote controller's joysticks and buttons. The left stick typically controls altitude and yaw, while the right stick controls forward/backward and left/right movement. Refer to the DJI GO 4 app for a detailed control scheme and tutorial.

## 4.2 Camera Operation

The Mavic Air is equipped with a 12.0MP camera capable of shooting 4K video at 30 fps. It supports Adobe DNG RAW for still images. The 3-axis gimbal stabilizes the camera for smooth video and sharp photos, even during high-speed maneuvers. The drone can also stitch 25 photos in eight seconds to create crystal clear 32.0MP sphere panoramas.

## 4.3 Intelligent Flight Features

- **SmartCapture:** Control the Mavic Air by hand gestures. Launch, control, and take photos or videos with intuitive hand movements.
- **QuickShots:** Pre-programmed flight paths for cinematic video capture (e.g., Rocket, Dronie, Circle, Helix, Asteroid, Boomerang).
- **ActiveTrack:** The drone can automatically follow a subject, keeping it in the frame.
- **TapFly:** Tap a point on your screen, and the Mavic Air will fly to that location while avoiding obstacles.

## 4.4 Safety Guidelines

The Mavic Air incorporates five vision sensors, GPS and GLONASS, ultrasonic range finders, and redundant sensors to ensure safe flight. Always operate the drone in open areas, away from people, buildings, and obstacles. Adhere to local regulations regarding drone operation. The maximum flight time per charge is approximately 21 minutes.



Figure 4.1: Rear view of the DJI Mavic Air drone, displaying the rear vision sensors.

# 5. MAINTENANCE

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## 5.1 Cleaning

- Regularly clean the drone's body, propellers, and camera lens with a soft, dry cloth.
- Ensure no dust or debris obstructs the vision sensors or gimbal.

## 5.2 Propeller Inspection and Replacement

- Inspect propellers before each flight for cracks, bends, or damage.
- Replace any damaged propellers immediately to ensure flight stability and safety.

### 5.3 Battery Care and Storage

- Store Intelligent Flight Batteries in a cool, dry place, away from direct sunlight.
- For long-term storage, discharge batteries to 50-60% capacity.
- Avoid overcharging or fully discharging batteries.

### 5.4 Firmware Updates

Periodically check for and install firmware updates via the DJI GO 4 app. Firmware updates often include performance improvements, new features, and bug fixes.

## 6. TROUBLESHOOTING

If you encounter issues with your DJI Mavic Air, consider the following common troubleshooting steps:

- **No GPS Signal:** Ensure you are flying in an open outdoor area with a clear view of the sky.
- **Connection Issues:** Restart both the drone and the remote controller. Ensure your mobile device is properly connected to the remote controller.
- **Gimbal Malfunction:** Check for any physical obstructions around the gimbal. Recalibrate the gimbal through the DJI GO 4 app.
- **Flight Instability:** Inspect propellers for damage and ensure they are correctly installed. Perform IMU calibration if necessary.
- **App Crashes:** Ensure your DJI GO 4 app is updated to the latest version and your mobile device meets the minimum system requirements.

For more detailed troubleshooting, refer to the official DJI support resources.

## 7. SPECIFICATIONS

Feature	Detail
Brand	DJI
Model Name	Mavic Air
Item Model Number	CP.PT.00000130.01
Color	Black
Item Weight	15.2 ounces
Product Dimensions	6.5"L x 1.57"W x 3.24"H
Video Capture Resolution	FHD 1080p (Output: 3840x2160 4K)
Effective Still Resolution	12 MP
Supported Image Format	DNG

Maximum Range	6562 Feet
Max Flight Time	21 minutes
Battery Type	Lithium Polymer
Special Features	3-Axis Gimbal Camera; 3-Directional Environment Sensing; Foldable and Portable; SmartCapture

## 8. WARRANTY INFORMATION

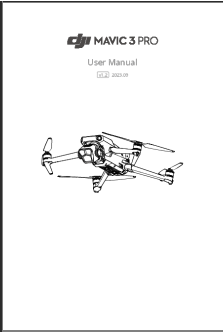
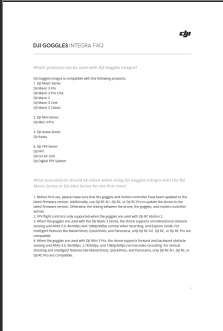
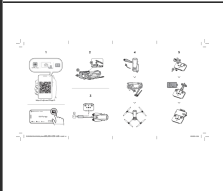
The DJI Mavic Air Quadcopter is covered by a manufacturer's warranty. Please refer to the official DJI website or the warranty card included with your product for specific terms, conditions, and duration of the warranty. Keep your proof of purchase for warranty claims.






## 9. SUPPORT

For further assistance, technical support, or to download the latest version of the user manual, please visit the official DJI support website. You can also access the user manual in PDF format directly via this link: [DJI Mavic Air User Manual \(PDF\)](#).

*Note: No relevant official product videos from the seller were found for embedding in this manual.*

### Related Documents - CP.PT.00000130.01

	<p><a href="#">DJI Mavic 3 Pro User Manual - Comprehensive Guide to Drone Operation and Features</a></p> <p>Explore the DJI Mavic 3 Pro and Mavic 3 Pro Cine drones with this official user manual. Learn about advanced features, flight modes, camera capabilities, safety guidelines, and remote controller operation for optimal aerial photography and videography.</p>
	<p><a href="#">DJI Goggles Integra FAQ - Compatibility, Features, and Usage Guide</a></p> <p>Frequently asked questions about DJI Goggles Integra, covering product compatibility, usage precautions, differences from other models, vision correction, connectivity, and recording features.</p>
	<p><a href="#">DJI Mavic 3 Quick Start Guide - Setup and Operation</a></p> <p>Comprehensive quick start guide for the DJI Mavic 3 drone. Learn how to download the DJI Fly App, prepare the aircraft and remote controller, power on, check battery, and access support resources.</p>

<div><div>MAVIC MINI</div><div>User Manual (EN)</div><div>2019.9</div></div> <div></div> <div></div>	<div><a href="#">DJI Mavic Mini User Manual: Features, Operation, and Safety</a></div> <div>This official user manual provides comprehensive details on the DJI Mavic Mini drone, covering its features, flight modes, camera operation, setup, safety guidelines, and technical specifications for optimal use.</div>
<div><div>Mavic 3 Cine Quick Start Guide</div><div>2023.03.01</div></div> <div><div>How to</div><div></div></div>	<div><a href="#">DJI Mavic 3 Cine Quick Start Guide</a></div> <div>A concise guide to getting started with the DJI Mavic 3 Cine drone, covering aircraft and remote controller setup, flight operations, and specifications.</div>
<div><div>MAVIC 2 PRO/ZOOM</div><div>用户手册 (EN)</div><div>2020.07</div></div> <div></div> <div></div>	<div><a href="#">DJI Mavic 2 Pro/Zoom</a> -</div> <div>DJI Mavic 2 Pro/Zoom</div> <div>Mavic 2 Pro/Zoom</div> <div>DJI GO 4 App</div>