

[Manuals.plus](#) /

> [DJI](#) /

> [DJI Mavic Mini User Manual](#)

DJI CP.MA.00000120.01

DJI Mavic Mini User Manual

Model: CP.MA.00000120.01 | Brand: DJI

1. INTRODUCTION

The DJI Mavic Mini is a compact yet powerful FlyCam quadcopter designed for ease of use and high-quality aerial photography. Weighing less than 0.55 lbs (250 grams), it is exceptionally portable and, in some regions, does not require registration. It features a 2.7K camera with a 3-axis motorized gimbal for stable and smooth footage, and offers up to 30 minutes of flight time.



Figure 1: The DJI Mavic Mini drone, showcasing its compact and foldable design.

2. SETUP GUIDE

2.1 Unboxing and Initial Inspection

Upon unboxing your DJI Mavic Mini, ensure all components are present. The standard package includes

the DJI Mavic Mini aircraft, remote controller, intelligent flight battery, pair of spare propellers, micro USB cable, gimbal protector, RC cable (Micro USB connector), RC cable (USB-C connector), RC cable (Lightning connector), pair of spare control sticks, screwdriver, and spare screws.



Figure 2: A couple preparing to operate the DJI Mavic Mini, highlighting the remote controller and drone.

2.2 Battery Installation and Charging

To install the Intelligent Flight Battery, open the battery compartment on the rear of the aircraft and insert the battery until it clicks into place. To charge, connect the drone or the two-way charging hub (if included in your package) to a power source using the provided USB cable. The charging temperature range is 5° to 40°C (41° to 104°F).

2.3 Propeller Assembly and Folding

The Mavic Mini features foldable arms for compact storage. Gently unfold the front arms first, then the rear arms. Ensure propellers are free from obstructions before flight. For storage, fold the rear arms first, then the front arms, ensuring the propellers are tucked neatly.

3. OPERATING INSTRUCTIONS

3.1 Connecting to DJI Fly App

Download and install the DJI Fly App on your mobile device (iOS v10.0, Android v6.0 or above). Power on the aircraft and remote controller. Connect your mobile device to the remote controller using the appropriate RC cable. Launch the DJI Fly App and follow the on-screen prompts to connect to your Mavic Mini.

3.2 Basic Flight Controls

Familiarize yourself with the remote controller's joysticks. The left stick typically controls altitude and yaw (rotation), while the right stick controls forward, backward, and sideways movement. Always perform initial flights in an open, clear area. Use the auto-takeoff and auto-landing functions for beginners.

3.3 Camera and Gimbal Operation

The Mavic Mini supports 12MP aerial photos and 2.7K HD videos. The 3-axis motorized gimbal provides superior camera stability, ensuring clear and ultra-smooth footage. Use the gimbal dial on the remote controller to adjust the camera's tilt angle during flight. The DJI Fly App provides controls for photo and video settings.

3.4 Flight Modes and Features

The Mavic Mini offers various intelligent flight modes accessible via the DJI Fly App. It utilizes GPS for stable hovering and precise positioning. Enjoy up to 30 minutes of flight time with a fully-charged battery, allowing for extended creative sessions.

4. MAINTENANCE AND CARE

4.1 Cleaning Your Drone

Regularly clean the aircraft body, propellers, and gimbal with a soft, dry cloth. Avoid using liquid cleaners directly on electronic components. Ensure no dust or debris accumulates in the motor areas or air intakes.

4.2 Battery Care and Storage

Store batteries in a cool, dry place away from direct sunlight. For long-term storage, discharge batteries to 40-60% capacity. Avoid fully discharging or overcharging batteries, as this can reduce their lifespan.

4.3 Propeller Inspection and Replacement

Before each flight, inspect propellers for any cracks, bends, or damage. Replace damaged propellers immediately using the provided screwdriver and spare screws. Ensure propellers are securely fastened before flight.

5. TROUBLESHOOTING COMMON ISSUES

5.1 Connectivity Problems

If you experience issues connecting to the DJI Fly App or maintaining a stable connection, ensure your mobile device is compatible and the app is updated. Try restarting both the drone and the remote controller. Check for any physical obstructions or interference in your flying environment.

5.2 Flight Stability in Wind

The DJI Mavic Mini is lightweight, making it susceptible to strong winds. Avoid flying in windy conditions (e.g., above 18 mph or 29 km/h). If caught in wind, switch to Sport mode for increased power and control to return the drone safely.

5.3 Overheating Concerns

While the Mavic Mini is designed to run relatively cool, prolonged operation in high ambient temperatures or direct sunlight can lead to overheating. Allow the drone to cool down between flights if it feels excessively warm. Ensure no vents are blocked.

6. TECHNICAL SPECIFICATIONS

Feature	Specification
Brand	DJI
Model Name	Mavic Mini
Item Weight	0.82 Kilograms (1.79 pounds)
Product Dimensions	11.42"L x 9.65"W x 2.17"H

Feature	Specification
Video Capture Resolution	2.7K
Connectivity Technology	Wi-Fi
Max Flight Time	Up to 30 minutes
Gimbal	3-axis motorized
Operating Temperature	5° to 40°C (41° to 104°F)

7. WARRANTY AND SUPPORT

For detailed warranty information and support, please refer to the official DJI website or contact DJI customer service. You can also find additional resources and the full user guide in PDF format via the following link: [DJI Mavic Mini User Manual \(PDF\)](#).

Please note: No official product videos from a 'Seller' creator type were available for embedding based on the provided data and constraints.