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DJI CP.MA.00000492.01

DJI Mini 3 Pro User Manual

Model: CP.MA.00000492.01

1. Introduction and Overview

The DJI Mini 3 Pro is a compact and powerful mini-drone designed for aerial photography and videography. Weighing less than 249 grams, it offers exceptional portability and ease of use, making it suitable for various applications without requiring registration in many regions. It features advanced camera capabilities, extended flight time, and enhanced safety features for a superior flying experience.

Key Features:

- **Care-free Creation:** Weighs less than 249 g, eliminating registration requirements in most countries. Foldable and compact design for easy portability.
- **Seriously Pro Shots:** Captures stunning 4K/60fps video and 48MP photos. Features dual native ISO and f/1.7 aperture for high-quality imagery in various lighting conditions.
- **Perfect Portraits in a Tap:** Offers True Vertical Shooting for optimized portrait shots, ideal for social media content. The gimbal rotates 90 degrees for uncompromised image quality.
- **Sweet Air Time:** Provides an extended flight time of up to 34 minutes with the Intelligent Flight Battery, allowing for more exploration and capture.
- **Fly with Confidence:** Equipped with tri-directional obstacle sensing and APAS 4.0 for enhanced safety and obstacle avoidance.
- **Create and Share On the Go:** Includes intelligent features like FocusTrack, MasterShots, Timelapse, and QuickTransfer for streamlined content creation and sharing.
- **Integrated DJI RC:** Comes with the new DJI RC, featuring a pre-installed DJI Fly App and a built-in 5.5-inch HD display for clear viewing even in direct sunlight.



Figure 1: DJI Mini 3 Pro drone with its dedicated DJI RC controller.

2. What's in the Box

The DJI Mini 3 Pro package includes all essential components to get you started:

- DJI RC x 1
- DJI Mini 3 Pro Intelligent Flight Battery x 1
- Spare Propellers (Pair) x 1
- Gimbal Protector x 1
- Type-C to Type-C PD Cable x 1
- Screwdriver x 1
- Screws x 6

3. Setup

Follow these steps to prepare your DJI Mini 3 Pro for its first flight:

1. **Unfold the Aircraft:** Carefully unfold the front and rear arms of the drone. Ensure they click into place.
2. **Install Propellers (if necessary):** If spare propellers are needed, use the provided screwdriver to attach them according to the markings on the propellers and motors.
3. **Install Intelligent Flight Battery:** Insert the Intelligent Flight Battery into the battery compartment at the rear of the aircraft until it clicks securely.
4. **Charge Battery and Controller:** Connect the Type-C to Type-C PD Cable to charge both the Intelligent Flight Battery and the DJI RC controller. Ensure both are fully charged before flight.
5. **Remove Gimbal Protector:** Before powering on, gently remove the gimbal protector from the camera.
6. **Power On:** Press the power button on the aircraft and controller once, then press and hold for two seconds to power them on.
7. **Activate the Drone:** DJI Mini 3 Pro must be activated in the DJI Fly App before use. Follow the on-screen instructions on the DJI RC to complete activation.



Figure 2: The compact, folded design of the DJI Mini 3 Pro, easily held in one hand.

4. Operating the DJI Mini 3 Pro

4.1 Flight Controls

The DJI Mini 3 Pro is designed for intuitive flight. The DJI RC controller provides precise control and real-time video feed. Always ensure you are flying in a safe environment and are aware of local regulations.

- **Takeoff/Landing:** Use the dedicated takeoff/landing button in the DJI Fly App or perform a Combination Stick Command (CSC) for manual takeoff.
- **Obstacle Sensing:** The drone features tri-directional obstacle sensing (forward, backward, and downward) to detect and avoid obstacles, enhancing flight safety.
- **Advanced Pilot Assistance Systems (APAS 4.0):** This system helps the drone automatically plan paths to avoid obstacles in complex environments. (Note: APAS 4.0 is not available while recording 4K/48fps, 4K/50fps, 4K/60fps, 2.7K/48fps, 2.7K/50fps, 2.7K/60fps and 1080p/120fps video.)

- **Return to Home (RTH):** The RTH feature allows the drone to automatically return to its recorded Home Point. This is crucial for safety and recovery, especially when visual line of sight is lost.



Figure 3: The front-facing obstacle sensing cameras on the DJI Mini 3 Pro.

4.2 Camera Features

Capture stunning aerial content with the DJI Mini 3 Pro's advanced camera system:

- **4K Video & 48MP Photos:** Record high-resolution videos at up to 4K/60fps and capture detailed 48MP still images.
- **Dual Native ISO & f/1.7 Aperture:** Ensures excellent image quality in various lighting conditions, from bright daylight to low-light environments.
- **True Vertical Shooting:** The gimbal rotates 90 degrees to enable native vertical shooting, perfect for social media platforms without cropping.
- **HDR Video:** Supports High Dynamic Range video for richer colors and greater detail in highlights and shadows. (Note: HDR video does not support video recording at over 30fps.)

4.3 Intelligent Features

Unlock creative possibilities with the drone's intelligent flight modes:

- **FocusTrack:** Keeps your subject automatically in the frame. Includes Spotlight, Point of Interest, and ActiveTrack. (Note: FocusTrack is not available while recording 4K/48fps, 4K/50fps, 4K/60fps, 2.7K/48fps, 2.7K/50fps, 2.7K/60fps, 1080p/48fps, 1080p/50fps, 1080p/60fps, and 1080p/120fps video.)
- **MasterShots:** Automatically executes diverse flight maneuvers while keeping your subject centered, generating a cinematic short video.
- **Timelapse:** Captures stunning time-lapse videos with various modes.
- **QuickTransfer:** Quickly transfer photos and videos to your mobile device for instant sharing.



Figure 4: The DJI Mini 3 Pro capturing a wide, scenic view.

5. Maintenance

Proper maintenance ensures the longevity and optimal performance of your DJI Mini 3 Pro:

- **Cleanliness:** Regularly wipe down the aircraft and controller with a soft, dry cloth. Keep the camera lens clean and free of dust.
- **Propeller Inspection:** Check propellers for any cracks, bends, or damage before each flight. Replace damaged propellers immediately using the provided spare parts and screwdriver.
- **Battery Care:** Store batteries in a cool, dry place. Avoid overcharging or completely draining the batteries. For long-term storage, discharge batteries to 50-60%.
- **Gimbal Protection:** Always reattach the gimbal protector when the drone is not in use or during transport to prevent damage to the camera and gimbal.

6. Troubleshooting

Common issues and their solutions:

- **Drone Not Powering On:** Ensure the battery is fully charged and correctly inserted. Press and hold the power button for the required duration.
- **Loss of Signal:** Fly within the recommended transmission range. Avoid areas with strong interference. If signal is lost, the RTH function should activate automatically.

- **Overheating Warning:** If the drone is idle on the ground for too long with motors running, it may overheat. Power off the drone and allow it to cool down in a shaded area.
- **Flight Restrictions:** The DJI Fly App will alert you to no-fly zones or restricted areas. Always check local laws and regulations before flying.
- **FAA Remote ID Compliance:** The DJI Mini 3 Pro is compliant with FAA Remote ID requirements. No additional settings are needed for this feature.

7. Specifications

Feature	Specification
Brand	DJI
Model Name	DJIMINI3PSC
Item Model Number	CP.MA.00000492.01
Item Weight	249 Grams (8.8 ounces)
Product Dimensions	14.3"L x 9.9"W x 2.8"H
Video Capture Resolution	4K
Effective Still Resolution	48 MP
Max Ascent Speed	8 m/s
Max Wind Speed Resistance	10.7 m/s (Level 5)
Flight Time (Intelligent Flight Battery)	Up to 34 minutes
Maximum Range	12 Kilometers
Connectivity Technology	Bluetooth, Wi-Fi
Control Type	Remote Control (DJI RC included)
Operating Temperature	40 Degrees Celsius

8. Warranty and Support

DJI provides comprehensive support for its products. The DJI Mini 3 Pro comes with an official warranty, ensuring peace of mind. For detailed warranty information, troubleshooting guides, and technical assistance, please refer to the official DJI website or the User Guide (PDF) available through the product's documentation.

- **Official Warranty:** One-stop technical support is available.
- **User Guide (PDF):** Download User Guide
- **Safety Information (PDF):** Download Safety Information

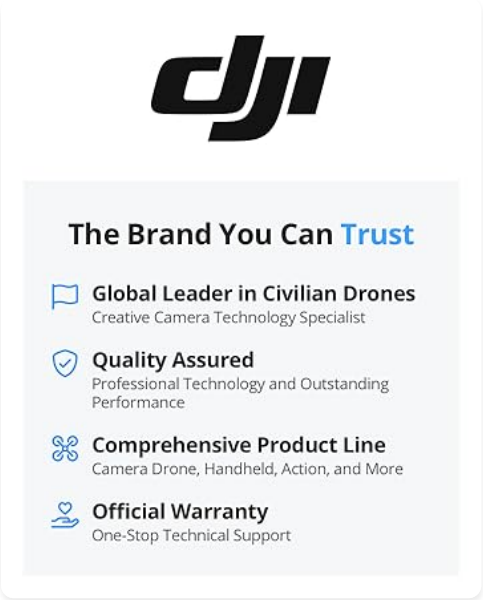


Figure 5: DJI's commitment to quality and support.

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