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DJI Mini 3 User Manual

Your Guide to Flight and Creativity

1. Introduction to DJI Mini 3

The DJI Mini 3 is a lightweight, foldable drone designed for both beginners and experienced pilots, offering advanced features in a compact form factor. It excels in capturing high-quality aerial footage with its 4K HDR camera and provides an extended flight time for comprehensive exploration.



The DJI Mini 3 drone with its accompanying remote controller.

Key features include 4K UHD video recording, True Vertical Shooting for social media-ready content, and robust wind resistance. Its intuitive controls and safety features make it an ideal choice for capturing stunning aerial perspectives.

2. What's in the Box

Upon unboxing your DJI Mini 3, ensure all components are present and in good condition. The standard package includes:

Which is the Best for You?

	 DJI Mini 3	 DJI RC-N1	 DJI RC	 Fly More Combo
DJI Mini 3 (Drone Only)	✓			
DJI Mini 3	✓	✓		
DJI Mini 3 (DJI RC)	✓		✓	
DJI Mini 3 Fly More Combo	✓	✓		✓
DJI Mini 3 Fly More Combo (DJI RC)	✓		✓	✓

1. DJI RC-N1 Remote Controller needs to be used with a mobile phone as a screen.
2. DJI RC remote controller has the DJI Fly App pre-installed and a built-in 5.5-inch HD display for crisp viewing even in direct sunlight.
3. Fly More Combo includes two additional Intelligent Flight Batteries, a Two-Way Charging Hub, a shoulder bag and other accessories allowing you to pack light and fly longer.

All components included with the DJI Mini 3.

- DJI Mini 3 Aircraft x1
- DJI RC-N1 Remote Controller x1
- Intelligent Flight Battery x1
- Spare Propellers (Pair) x1
- Gimbal Protector x1

- Type-C to Type-C PD Cable x1
- DJI RC-N1 RC Cable (USB Type-C Connector) x1
- DJI RC-N1 RC Cable (Lightning Connector) x1
- DJI RC-N1 RC Cable (Standard Micro-USB Connector) x1
- Screwdriver x1
- Spare Screws x6

3. Setup Guide

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

3.1. Charging the Battery

Before first use, fully charge the Intelligent Flight Battery and the remote controller. Use the provided Type-C to Type-C PD Cable with a compatible USB charger (not included).

3.2. Preparing the Aircraft

1. Unfold the front arms first, then the rear arms.
2. Remove the gimbal protector.
3. Insert the Intelligent Flight Battery into the battery compartment until it clicks into place.
4. Ensure propellers are securely attached and free from damage.

3.3. Preparing the Remote Controller

1. Unfold the mobile device clamp.
2. Attach the appropriate RC cable (USB-C, Lightning, or Micro-USB) to your mobile device and the remote controller.
3. Mount your mobile device securely in the clamp.

3.4. Activating the Drone

The DJI Mini 3 must be activated via the DJI Fly App before use. Download the DJI Fly App from the official DJI website or your mobile device's app store. Follow the in-app instructions to complete activation and firmware updates.

Which is Better for You?

	 DJI Mini 3	 DJI Mini 3 Pro
Weight	<249g	<249g
Max Flight Time	**38 mins**	34 mins
Image Quality	1/1.3" CMOS 12 MP Pixels f/1.7 Aperture 4K/30fps	1/1.3" CMOS **48 MP Pixels** f/1.7 Aperture 4K/60fps
Obstacle Sensing	Downward	**Forward / backward / downward**
Max Transmission Distance	DJI O2, up to 10km	DJI O3, up to 12km
Advanced Functionalities	True Vertical Shooting - -	True Vertical Shooting **FocusTrack** **MasterShots**

The DJI Fly App provides various beginner tutorials and resources to help you master flight quickly.

4. Operating the DJI Mini 3

Familiarize yourself with the controls and intelligent features for an optimal flight experience.

4.1. Basic Flight Controls

The DJI Mini 3 uses a standard drone control scheme. The left stick controls altitude and yaw, while the right stick controls forward/backward and left/right movement. Always ensure you have a clear line of sight to the drone during flight.

Your browser does not support the video tag.

This video demonstrates the basic flying techniques for the DJI Mini 3, covering takeoff, landing, and directional control.

4.2. Intelligent Features

- **4K HDR Video:** Capture stunning details in highlights and shadows with the 4K HDR video capability. The 1/1.3-inch CMOS sensor and Dual Native ISO Fusion ensure cinematic quality footage.



Experience stunning footage at all hours with 4K HDR video.

- **True Vertical Shooting:** The innovative gimbal design allows for a 90° tilt, enabling quick switching to True Vertical Shooting. This feature is perfect for capturing tall subjects and creating content optimized for social media platforms.



Capture striking vertical videos ready for sharing.

- **Wind Resistance:** The Mini 3 boasts Level 5 wind resistance (up to 38 kph), ensuring stable flight and consistent imagery even in breezy conditions. Its 3-axis mechanical gimbal further enhances stability.



The drone maintains stability against winds up to 38 kph.

- **QuickShots:** Utilize pre-programmed flight patterns like Dronie, Circle, Helix, Rocket, and Boomerang to capture dynamic, cinematic shots with ease. These features simplify complex maneuvers for stunning results.
- **GPS Auto Return (RTH):** The drone features GPS-enabled Return to Home (RTH) with three options: Smart RTH, Low Battery RTH, and Failsafe RTH, ensuring the drone safely returns to its takeoff point.

5. Maintenance and Care

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

5.1. Battery Care

- Store batteries at approximately 50-60% charge if not used for extended periods.

- Avoid overcharging or completely draining the battery.
- Charge batteries in a well-ventilated area away from flammable materials.

5.2. Propeller Inspection

- Regularly inspect propellers for cracks, bends, or damage before each flight.
- Replace damaged propellers immediately using the provided screwdriver and spare screws.
- Ensure propellers are installed correctly according to the markings.

5.3. Gimbal and Camera Care

- Always attach the gimbal protector when transporting or storing the drone.
- Clean the camera lens with a soft, lint-free cloth. Avoid harsh chemicals.
- Do not apply force to the gimbal.

5.4. Storage

Store the drone in a cool, dry place, away from direct sunlight and extreme temperatures. Use a dedicated carrying case for protection during transport.

6. Troubleshooting

This section addresses common issues you might encounter with your DJI Mini 3. For a comprehensive guide, refer to the official Troubleshooting Guide (PDF).

6.1. Drone Not Powering On

- Ensure the Intelligent Flight Battery is fully charged and correctly inserted.
- Press the power button once, then press and hold for two seconds to power on.

6.2. Loss of Signal

- Ensure the remote controller is fully charged.
- Fly within the specified transmission range (up to 10 km FCC).
- Avoid areas with strong electromagnetic interference.
- If signal is lost, the drone will initiate Return to Home (RTH).

6.3. Gimbal Malfunction

- Ensure the gimbal protector is removed before powering on.
- Check for any obstructions around the gimbal.
- Restart the drone and remote controller.

6.4. Flight Time Shorter Than Expected

- Flight time can be affected by strong winds, aggressive flying, and low temperatures.
- Ensure batteries are fully charged and in good condition.

7. Technical Specifications

Feature	Specification
Model Name	Mini 3
Item Weight	248 Grams (8.7 ounces)
Video Capture Resolution	4K
Effective Still Resolution	48 MP
Max Flight Time	38 minutes (up to 51 minutes with Intelligent Flight Battery Plus, sold separately)
Max Video Transmission Range	10 km (32,800 feet) FCC
Wind Resistance	Level 5 (38 kph)
Gimbal	3-axis mechanical gimbal
Connectivity Technology	Bluetooth, Wi-Fi
Battery Capacity	2453 Milliamp Hours
Operating Temperature	40 Degrees Celsius

8. Warranty Information

DJI provides a standard warranty for the Mini 3 drone. For detailed terms and conditions, including coverage period and service procedures, please refer to the official Warranty Document (PDF).
It is recommended to register your product on the DJI official website to ensure full warranty benefits and receive important updates.

9. Support and Resources

For further assistance and detailed information, please utilize the following resources:

- **User Guide:** Access the complete User Guide (PDF) for in-depth instructions and diagrams.
- **Safety Information:** Review the Safety Information (PDF) for important guidelines on safe operation.
- **DJI Fly App:** The DJI Fly App provides interactive tutorials, flight logs, and editing tools. Ensure you download it from the official DJI website for compatibility.
- **DJI Official Website:** Visit the official DJI website for the latest firmware updates, FAQs, and customer support contact information.
- **DJI Store:** Explore other DJI products and accessories at theDJI Amazon Store.

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Please check and strictly abide by local laws and regulations before flying.

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