DJI DJI Mini 5 Pro

DJI Mini 5 Pro Fly More Combo with DJI RC 2 Instruction Manual

Model: DJI Mini 5 Pro

Brand: DJI

1. Introduction

This manual provides essential information for the safe and effective operation of your DJI Mini 5 Pro Fly More Combo with DJI RC 2. Please read this manual thoroughly before using the product and retain it for future reference.

The DJI Mini 5 Pro is an ultra-light, palm-sized foldable drone designed for advanced aerial photography and videography. It features a 1-inch CMOS sensor capable of 4K/60fps HDR video, omnidirectional obstacle sensing, and extended flight times. The Fly More Combo includes additional accessories to enhance your flying experience.

2. What's in the Box

The DJI Mini 5 Pro Fly More Combo (DJI RC 2) package includes the following items:

- DJI Mini 5 Pro Aircraft x 1
- DJI RC 2 Remote Controller x 1
- DJI Mini 5 Pro Intelligent Flight Battery x 3
- DJI Mini 5 Pro Spare Propeller (Pair) x 3
- DJI Mini 5 Pro ND Filter Set (ND8/32/128) x 1
- DJI Mini 5 Pro Two-Way Charging Hub x 1
- DJI Mini 5 Pro Shoulder Bag x 1
- USB-C to USB-C Data Cable x 1
- DJI Mini 5 Pro Storage Cover x 1



Image: Contents of the DJI Mini 5 Pro Fly More Combo box, including the drone, remote controller, batteries, and accessories.

3. Key Features

3.1 Camera System

- **1-Inch CMOS Sensor:** Captures 4K/60fps HDR video with sharp detail and vibrant colors. Effective still resolution of 50 MP.
- **True Vertical Filming:** The gimbal supports 225° roll rotation, enabling flexible camera movements and true vertical filming for social media content.



Go Big With Mini

Compact and foldable, this palm-sized drone slips easily into a pocket and offers 42GB of internal storage for uninterrupted flying [7].

Internal Storage

42GB

Image: DJI Mini 5 Pro drone in flight, highlighting its compact size and 1-inch CMOS sensor with f/1.8 aperture and 50 MP resolution.



Powered by 1-Inch CMOS Sensor

Mini 5 Pro features a 1-inch, 50MP CMOS sensor, capturing stunning 4K/60fps HDR video and sharp low-light detail for pro-level results in a compact drone.

Image: Visual representation of DJI Mini 5 Pro's imaging capabilities, including 48mm Med-Tele Mode, Portrait Optimization, 225° Flexible Gimbal Rotation, and 4K/60fps HDR Video.

3.2 Obstacle Sensing

- **Omnidirectional Obstacle Sensing:** Forward-facing LiDAR and vision sensors detect obstacles in all directions, enhancing safety for night flights and return-to-home.



4K/60fps HDR Video

HDR video mode offers 14 stops of dynamic range [8], capturing stunning footage in high-contrast scenes.



4K/120fps Slow-Motion Video

Capture crisp 4K/120fps slow motion for smooth, detailed footage and easier edits.

Image: DJI Mini 5 Pro demonstrating safe night flights with 360° Nightscape Obstacle Sensing, Forward-Facing LiDAR, and Nighttime RTH features.

3.3 Flight Performance & Battery

- **Extended Battery Life:** Up to 52 minutes of flight with Intelligent Flight Battery Plus. Fast charging allows powering up three batteries in approximately 193 minutes.
- **Ultra-Light, Palm-Sized Foldable Design:** Compact and portable, weighing 249 grams. Offers 42GB of internal storage.

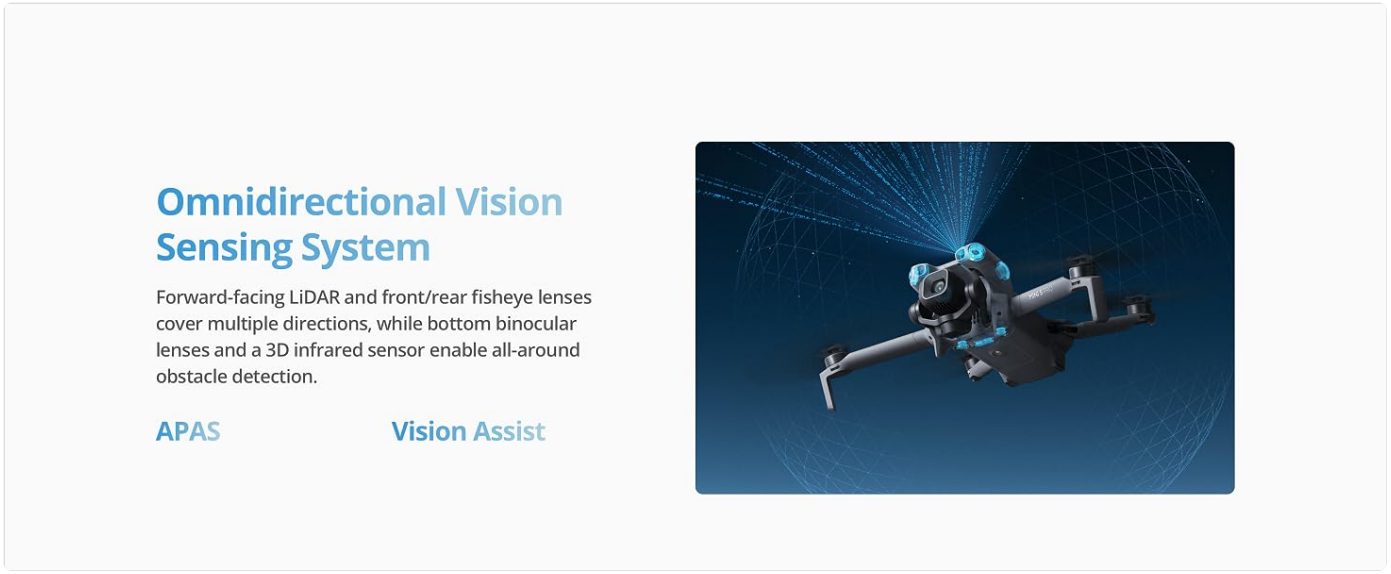


Image: DJI Mini 5 Pro showcasing hassle-free filming with extended flight time, 20km video transmission, up to 100MB/s wireless file transfer, and faster charging with a new charging hub.

3.4 Intelligent Flight Modes

- **Upgraded ActiveTrack 360°:** Customizable tracking modes with enhanced stability, faster response, and safe performance for various scenarios like cycling.
- **QuickShots & Hyperlapse:** Automated cinematic flight patterns and time-lapse videos.

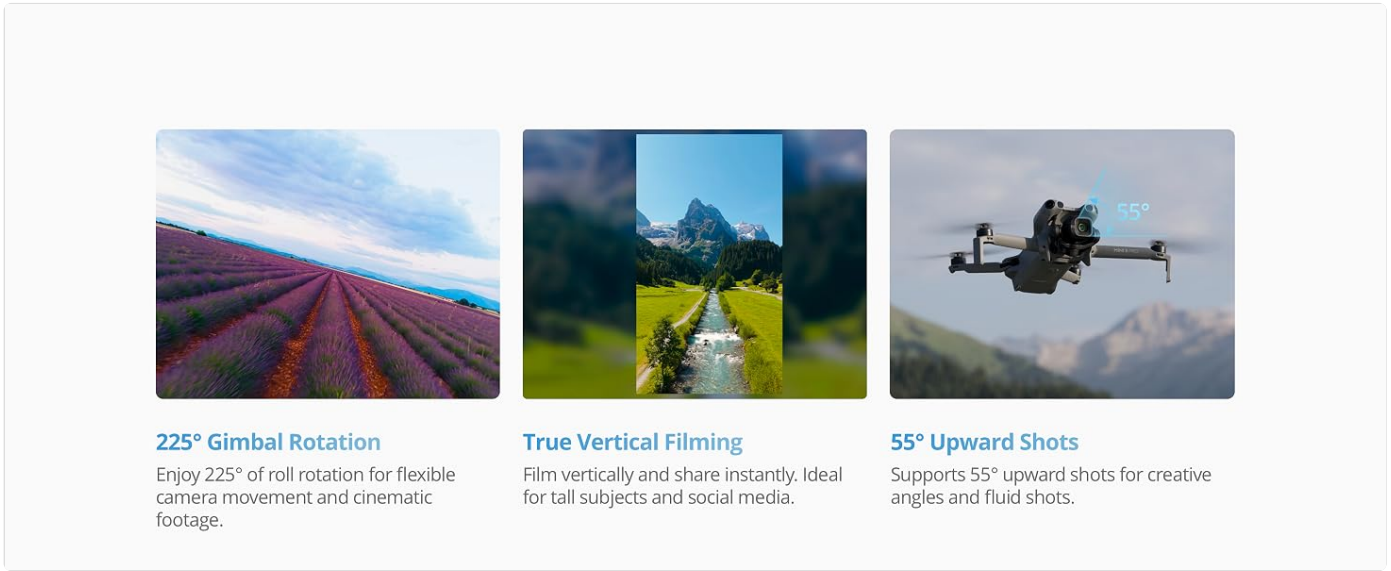


Image: DJI Mini 5 Pro demonstrating Upgraded ActiveTrack 360° with Standard Mode and Cycling Mode for smoother and safer tracking.

4. Setup

4.1 Unboxing and Initial Inspection

Carefully remove all components from the packaging. Inspect the drone, remote controller, and accessories for any signs of damage. Ensure all items listed in the 'What's in the Box' section are present.

4.2 Battery Installation and Charging

1. Insert the Intelligent Flight Battery into the aircraft until it clicks securely into place.
2. Use the Two-Way Charging Hub and USB-C to USB-C Data Cable to charge the Intelligent Flight Batteries and the DJI RC 2 remote controller.
3. Ensure all batteries are fully charged before first use.

4.3 Remote Controller Setup (DJI RC 2)

The DJI RC 2 remote controller comes with a built-in screen. Power it on by pressing the power button once, then pressing and holding it again for two seconds. The controller will automatically connect to the drone upon powering on the aircraft.

4.4 DJI Fly App Installation and Connection

The DJI Fly app is pre-installed on the DJI RC 2. For optimal performance, ensure the app is updated to the latest version. Connect the drone to the remote controller, and the app will guide you through any necessary firmware updates.

5. Operating the Drone

5.1 Pre-Flight Checklist

- Ensure all batteries (aircraft and remote controller) are fully charged.
- Check propellers for any damage or obstructions.
- Verify the gimbal protector is removed.
- Ensure the DJI Fly app is updated and connected to the aircraft.
- Check local regulations before flying, especially for night flights or specific areas.

5.2 Takeoff and Landing

Place the aircraft on a flat, open surface. In the DJI Fly app, tap the auto-takeoff icon and confirm. For landing, tap the auto-landing icon or manually descend the aircraft. The drone features precise landing capabilities.

5.3 Basic Flight Controls

Use the control sticks on the DJI RC 2 to maneuver the aircraft:

- Left Stick: Controls altitude (up/down) and yaw (rotate left/right).
- Right Stick: Controls forward/backward and left/right movement.

5.4 Using Intelligent Flight Modes

Access intelligent flight modes via the DJI Fly app:

- **ActiveTrack 360°:** Select a subject on the screen, then choose a tracking mode (e.g., Standard, Cycling). The drone will autonomously follow the subject while avoiding obstacles.
- **QuickShots:** Choose from various pre-programmed cinematic maneuvers (e.g., Dronie, Rocket, Circle, Helix).
- **Hyperlapse:** Create dynamic time-lapse videos by setting shooting parameters and flight path.

Your browser does not support the video tag.

Video: An instructional video demonstrating the gimbal roll rotation feature of the DJI Mini 5 Pro, showing both automatic and manual control options within the DJI Fly app interface.

5.5 Gimbal Control

The gimbal supports 225° roll rotation. This can be controlled automatically through intelligent flight modes or manually via the remote controller. To manually control gimbal roll, customize the C1 button and Right Dial function in the DJI Fly app settings under 'Control' > 'Button Customization'.

6. Maintenance

6.1 Propeller Replacement

Regularly inspect propellers for cracks, bends, or damage. Replace damaged propellers immediately using the spare propellers provided in the Fly More Combo. Follow the instructions in the DJI Fly app or the official user manual for proper installation.

6.2 Battery Care

- Store batteries in a cool, dry place away from direct sunlight.
- Avoid overcharging or fully discharging batteries.
- If not used for extended periods, discharge batteries to 40-60% for optimal storage.

6.3 Storage

When not in use, fold the drone and secure the gimbal with the storage cover. Store the drone and accessories in the provided shoulder bag to protect them from dust and physical damage.

6.4 Firmware Updates

Always keep the aircraft and remote controller firmware updated. The DJI Fly app will prompt you when new firmware is available. Follow the on-screen instructions to update. Ensure batteries are sufficiently charged before starting an update.

7. Troubleshooting

7.1 Common Issues

- **Drone not connecting:** Ensure both drone and remote controller are powered on and within range. Re-pair if necessary via DJI Fly app settings.
- **Poor video transmission:** Check for environmental interference. Ensure antennas on the remote controller are properly positioned.
- **Obstacle sensing warnings:** Clean LiDAR and vision sensors. Avoid flying in extremely bright or low-light conditions that may affect sensor performance.

7.2 Error Messages

Refer to the DJI Fly app for detailed explanations of error messages and recommended solutions. Many issues can be resolved by restarting the aircraft and remote controller or performing a firmware update.

7.3 Contact Support

If issues persist, visit the official DJI website for comprehensive support resources, FAQs, and contact information for technical assistance.

8. Specifications

Feature	Specification
Brand	DJI
Model Name	DJI Mini 5 Pro
Item Weight	249 Grams (8.8 ounces)
Video Capture Resolution	4K
Effective Still Resolution	50 MP
Optical Sensor Technology	1-Inch CMOS
Max Flight Time	Up to 52 minutes (with Intelligent Flight Battery Plus)
Obstacle Sensing	Omnidirectional (Forward-facing LiDAR, Vision Sensors)
Gimbal Rotation	225° Flexible Roll Rotation
Internal Storage	42GB

Connectivity Technology	Bluetooth, Wi-Fi
Control Type	Remote Control (DJI RC 2)
Product Dimensions	10.04"L x 7.12"W x 3.56"H

9. Warranty and Support

The DJI Mini 5 Pro comes with a standard manufacturer's warranty. For detailed warranty terms and conditions, please refer to the official DJI website or the warranty card included in your product packaging.

For additional support, including FAQs, video tutorials, and service requests, visit the DJI Store on Amazon or the official DJI support website. Consider purchasing DJI Care Refresh for comprehensive protection against accidental damage.

© 2025 DJI. All rights reserved.

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

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