DJI CP.MA.00000740.01

DJI Mini 4 Pro User Manual

Model: CP.MA.00000740.01

Introduction

The DJI Mini 4 Pro is an advanced, compact drone designed for both beginners and experienced pilots. Weighing less than 249 grams, it offers exceptional portability and avoids certain registration requirements in many regions. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your DJI Mini 4 Pro.



Figure 1: The DJI Mini 4 Pro Fly More Combo Plus package contents, including the drone, DJI RC 2 remote controller, three Intelligent Flight Battery Plus units, and a two-way charging hub.

Setup

What's in the Box

- DJI Mini 4 Pro Aircraft x 1
- DJI RC 2 Remote Controller x 1
- DJI Mini 4 Pro/Mini 3 Series Intelligent Flight Battery Plus x 3
- DJI Mini 4 Pro/Mini 3 Series Two-Way Charging Hub x 1
- DJI Mini Shoulder Bag x 1
- Spare Propellers (Pair) x 3
- Screwdriver x 1
- Propeller Holder x 1
- Type-C to Type-C PD Cable x 1
- USB Type-C Cable x 1
- Gimbal Protector x 1

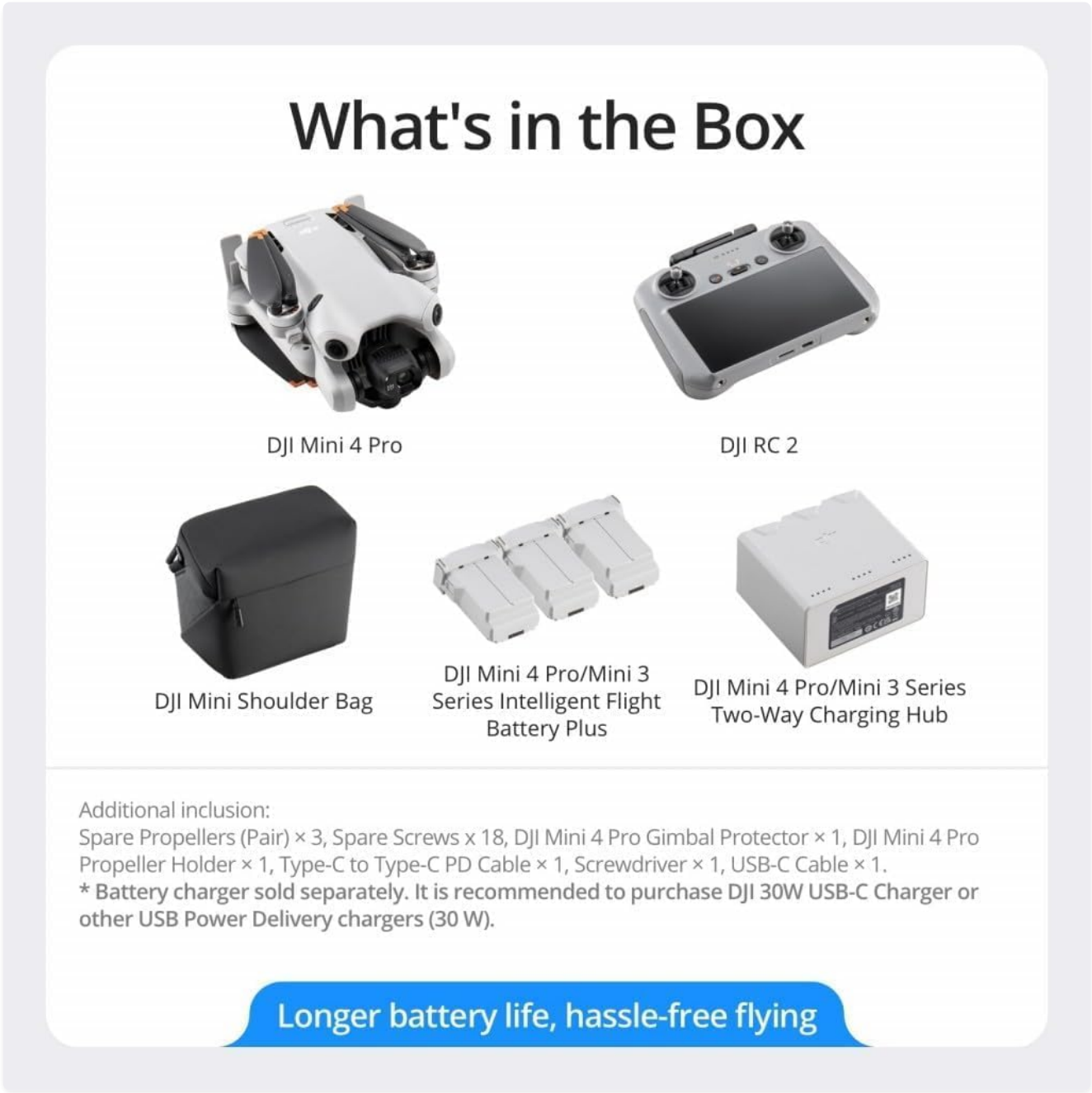


Figure 2: Detailed view of the DJI Mini 4 Pro Fly More Combo Plus contents, including the drone, remote controller, batteries, charging hub, and shoulder bag.

Initial Setup and Activation

Before first use, the DJI Mini 4 Pro must be activated via the DJI Fly App. Download the latest version of the DJI Fly App from the DJI official website. If you are using the DJI RC 2 remote controller, the app comes pre-installed, allowing for immediate use after powering on.

Battery Charging

Use the included Two-Way Charging Hub to charge the Intelligent Flight Battery Plus units. For optimal charging speed, it is recommended to use a DJI 30W USB-C Charger (sold separately). The Intelligent Flight Battery Plus provides up to 45 minutes of flight time per battery, extending total flight time to 135 minutes with three batteries.

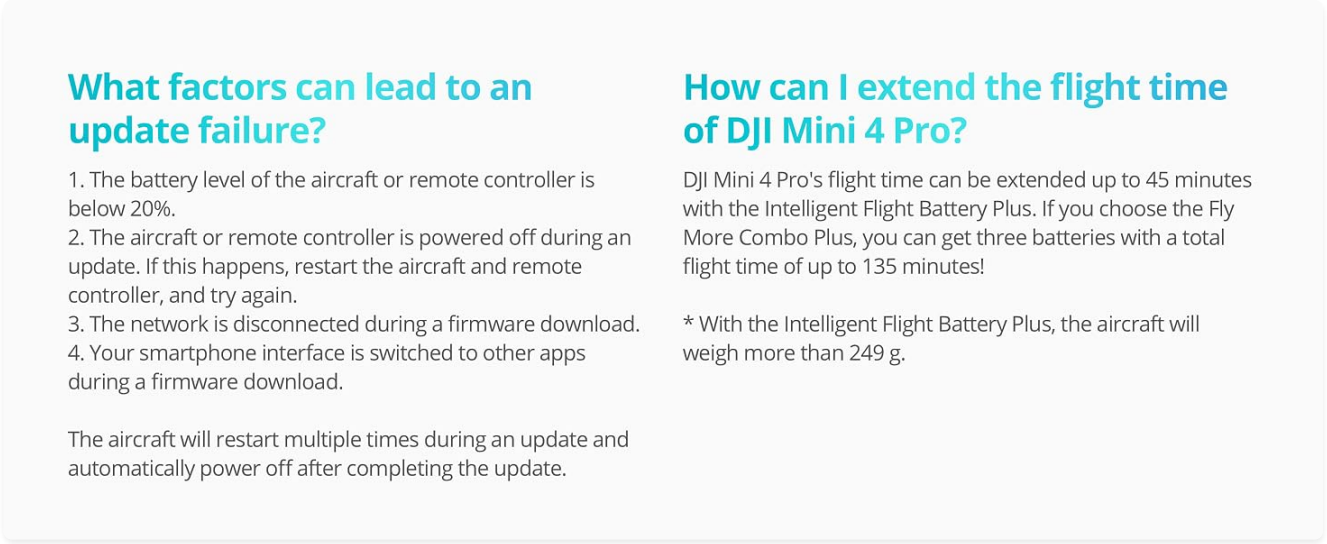


Figure 3: The Intelligent Flight Battery Plus and Two-Way Charging Hub, illustrating the extended flight time capability.

Remote Controller Setup

The DJI Mini 4 Pro Fly More Combo Plus includes the DJI RC 2 remote controller, which features a built-in 5.5-inch 1080p FHD screen for a bright outdoor viewing experience. This eliminates the need to connect a smartphone for flight control.

Operating the DJI Mini 4 Pro

Flight Basics

The DJI Mini 4 Pro weighs less than 249 grams (with the standard Intelligent Flight Battery), which may exempt it from certain registration requirements in some regions. Always check and comply with local laws and regulations before flying.



Figure 4: The DJI Mini 4 Pro in flight, demonstrating its compact size and ease of use in outdoor environments.

Safety Features

The Mini 4 Pro is equipped with Omnidirectional Obstacle Sensing, providing precise detection capabilities in all directions. This enhances flight safety and reduces the risk of collisions. Advanced Pilot Assistance Systems (APAS) further aid in obstacle avoidance. Smart Return to Home (RTH) allows the drone to plan a safe flight route back to its home point, with the process displayed via AR.



Figure 5: The drone's omnidirectional obstacle sensing in action, highlighting its ability to detect and avoid obstacles from all angles.

Camera Features and Imaging Performance

Capture stunning visuals with the Mini 4 Pro's 1/1.3-inch CMOS sensor camera. It supports 4K/60fps HDR video, 4K/100fps slow motion, and 48MP RAW photos. True Vertical Shooting allows for direct upload of vertical videos without cropping. The f/1.7 aperture and Dual Native ISO Fusion ensure impressive clarity even in low-light conditions, making it ideal for night scenes.



Figure 6: An overview of the drone's advanced imaging features, including 4K/60fps HDR video, 4K/100fps slow motion, and 48MP RAW photo capabilities.

Video Transmission

The DJI Mini 4 Pro features Flagship O4 Video Transmission, providing ultra-responsive control and smooth 1080p/60fps FHD live feed image quality up to 20 km (FCC) or 10 km (CE/SRRC/MIC). This ensures a reliable and immersive real-time aerial view.

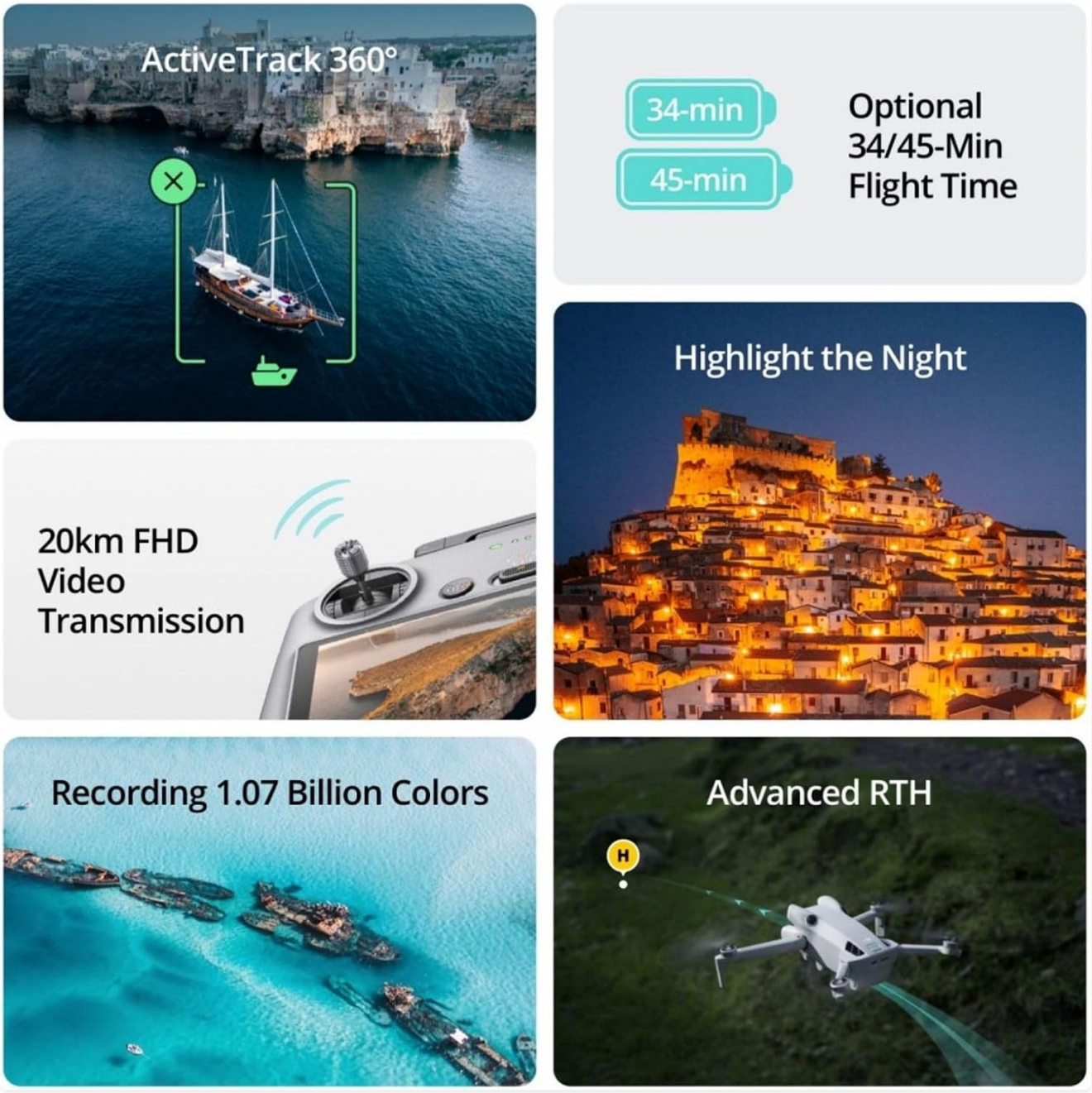


Figure 7: Key operational features of the DJI Mini 4 Pro, such as ActiveTrack 360°, 20km FHD video transmission, and advanced return-to-home functionality.

Intelligent Flight Modes

The drone offers Custom Intelligent Tracking with ActiveTrack 360°, allowing for complex and seamless operation effects. Other intelligent features include Waypoint Flight and Cruise Control. For an immersive flight experience, the Mini 4 Pro can be paired with DJI Goggles and RC Motion controllers (sold separately).

Maintenance

General Care

Keep the drone and its components clean and free from dust and debris. Store the drone in a cool, dry place, preferably in the included shoulder bag, to protect it from environmental factors.

Battery Care

Ensure batteries are charged using the official charging hub and cables. Avoid overcharging or completely draining the batteries. Store batteries at approximately 50-60% charge for long-term storage to maintain their health.

Propeller Inspection

Regularly inspect propellers for any signs of damage, cracks, or bends. Replace damaged propellers immediately using the provided spare propellers and screwdriver to ensure safe and stable flight.

Troubleshooting

Common Issues and Solutions

- **Update Failure:** Ensure the aircraft or remote controller battery level is above 20%. If powered off during an update, restart and try again. Check network connection during firmware downloads.
- **Remote ID Activation:** Remote ID is only activated when the Intelligent Flight Battery Plus is used.
- **Transmission Distance:** Max transmission distance varies with environmental interference. Refer to the specifications for detailed ranges.

For more detailed troubleshooting, please refer to the official Troubleshooting Guide (PDF).

Specifications

Feature	Specification
Brand	DJI
Model Name	DJI Mini 4 Pro
Item Model Number	CP.MA.00000740.01
Item Weight	249 Grams (with standard battery)
Video Capture Resolution	4K
Effective Still Resolution	48 MP
Max Transmission Range	20 Kilometers (FCC)
Battery Life (Intelligent Flight Battery Plus)	Up to 45 minutes
Obstacle Sensing	Omnidirectional
Connectivity Technology	Bluetooth, Wi-Fi
Control Type	Remote Control

Warranty and Support

The DJI Mini 4 Pro comes with an official warranty. For detailed terms and conditions, please refer to the Warranty (PDF) document. For comprehensive user instructions and safety information, download the User Guide (PDF) from the DJI official website.

Official Product Videos

Video 1: This video provides five reasons why users will love the DJI Mini 4 Pro, highlighting its key features and benefits.