DJI Mavic 4 Pro

DJI Mavic 4 Pro Drone with DJI RC 2 Instruction Manual

Model: Mavic 4 Pro

INTRODUCTION

This manual provides essential information for the safe and effective operation of your DJI Mavic 4 Pro Drone with DJI RC 2. Please read this manual thoroughly before using the product and retain it for future reference.

SETUP

Unboxing and Components

The DJI Mavic 4 Pro package includes the following items:

- DJI Mavic 4 Pro Aircraft x 1
- DJI RC 2 Remote Controller x 1
- DJI Mavic 4 Pro Intelligent Flight Battery x 1
- DJI Mavic 4 Pro Spare Propellers (Pair) x 1
- DJI Mavic 4 Pro Storage Cover x 1
- USB-C to USB-C Data Cable x 2
- DJI 100W USB-C Power Adapter x 1

What's in the Box

DJI Mavic 4 Pro

DJI RC 2

DJI Mavic 4 Pro Intelligent Flight Battery

Additional inclusion:
DJI Mavic 4 Pro Spare Propellers (Pair), DJI Mavic 4 Pro Storage Cover, USB-C to USB-C Data Cable × 2, DJI 100W USB-C Power Adapter.
* To facilitate convenient charging of the Mavic 4 Pro in different countries and regions, all Mavic 4 Pro models provide multiple versions of the AC power cable in the product package.

Flagship Performance, Ready to Soar

Image: Contents of the DJI Mavic 4 Pro package.

Initial Power-On and App Installation

To power on your DJI Mavic 4 Pro, simply extend the arms of the aircraft. The DJI RC 2 remote controller also powers on when extended.

Image: Powering on the DJI Mavic 4 Pro drone and remote controller by extending their respective components.

The DJI Mavic 4 Pro can only be used with the DJI Fly app. If you are using the DJI RC 2 remote controller, the DJI Fly app comes pre-installed. For other configurations or to ensure you have the latest version, visit the official DJI website to download the DJI Fly app.

Note: Due to platform compatibility issues, the DJI Fly app has been removed from Google Play. Always download the latest DJI Fly app directly from the official DJI website for the best experience.

OPERATING INSTRUCTIONS

Camera System Overview

The DJI Mavic 4 Pro features a versatile tri-camera imaging system:

- **28mm Hasselblad Camera:** 4/3 CMOS, 100 MP. Captures 6K/60fps HDR video with 15.5 stops of dynamic range.
- **70mm Medium Tele Camera:** 1/1.3" CMOS, 48 MP. Ideal for portraits and dynamic orbital camera movements.
- **168mm Tele Camera:** 1/1.5" CMOS, 50 MP. Provides stable, flat perspectives for long-range photography with 6x optical zoom.

Image: Detailed view of the DJI Mavic 4 Pro's tri-camera system.

Flight Performance and Safety Features

The Mavic 4 Pro offers a maximum flight time of up to 51 minutes and a top speed of 90 km/h (25 m/s). The O4+ video transmission system provides a range of up to 30 km/18.6 miles with 10-bit HDR video transmission, ensuring stable and high-quality feeds.

Unleash Creativity Without Limits

51 Min

51-Min Flight Time [10]

18.6 miles

30km/18.6mi Transmission [11]

RC Pro 2 for Pro Control [8]

Image: DJI Mavic 4 Pro in flight, highlighting extended flight time and transmission range.

For enhanced safety, the drone features 0.1-Lux Nightscape Omnidirectional Obstacle Sensing, which detects obstacles in low light conditions. This system supports safe returns and efficient operation, even when taking off in areas without GNSS.

Image: Nightscape Omnidirectional Obstacle Sensing in action.

Intelligent Features

- **Infinity Gimbal:** Offers 360° rotation and 70° upward shots for dynamic camera movements and cinematic angles.
- **ActiveTrack 360°:** Advanced vehicle tracking, detecting cars up to 200 meters with directional awareness for stable, cinematic shots.
- **Pro Color:** Supports 10-bit D-Log, D-Log M, and HLG for consistent color across all three cameras, enabling rich details and smoother editing.

MAINTENANCE

Battery Care and Charging

To maximize battery life and ensure efficient operation, use the DJI 240W adapter with the Parallel Charging Hub. This setup can charge one battery in 51 minutes or three batteries in 90 minutes. The hub also functions as a 100W power bank.

Start Creating Without Delay

Simply extend the arms to power on your Mavic 4 Pro.

The DJI RC Pro 2 remote controller[8] also powers on when extended.

Image: Parallel Charging Hub for efficient battery charging.

Storage and Cleaning

Always store the drone and its components in a cool, dry place. Use a soft, dry cloth to clean the drone body and camera lenses. Avoid using harsh chemicals or abrasive materials.

TROUBLESHOOTING

Firmware Update Failures

Several factors can lead to a firmware update failure:

- The battery level of the aircraft or remote controller is below 20%.
- The aircraft or remote controller is powered off during an update. If this happens, restart the aircraft and remote controller, and try again.
- The network is disconnected during a firmware download.
- Your smartphone interface is switched to other apps during a firmware download.

The aircraft will restart multiple times during an update and automatically power off after completing the update.

Video Transmission Issues

The maximum transmission distance of the O4+ video transmission system varies according to the interference level of the environment:

Condition	Interference Level	Max Transmission Distance
Unobstructed	Strong Interference: urban landscape	approx. 1.5-6 km
	Medium Interference: suburban landscape	approx. 6-15 km
	Low Interference: suburb/seaside	approx. 15-30 km
Obstructed	Low Interference and Obstructed by Buildings	approx. 0-0.7 km
	Low Interference and Obstructed by Trees	approx. 0.7-4.5 km

Measured under FCC standard in unobstructed or unobstructed environments with typical interference. Used for reference purposes only and provides no guarantee for actual transmission distance.

SPECIFICATIONS

Feature	Detail
Brand	DJI
Model Name	DJI Mavic 4 Pro
Special Features	0.1-Lux Nightscape Omnidirectional Obstacle Sensing, 1/1.3" and 1/1.5" Large CMOS Dual Tele Cameras, 100MP 4/3 CMOS Hasselblad Camera with 6K/60fps HDR Video, Infinity Gimbal With 360° Rotation, O4+ Transmission with 18.6-Mile Range
Color	Gray
Video Capture Resolution	4K, 6K
Effective Still Resolution	100 MP
Connectivity Technology	Bluetooth, Wi-Fi
Item Weight	2372 Grams (5.23 pounds)
Battery Capacity	6654 Milliamp Hours
Video Capture Format	MP4
Control Type	Remote Control
Maximum Range	30 Kilometers
Wireless Communication Technology	O4+
Battery Cell Composition	Lithium Polymer
Operating Temperature	40 Degrees Celsius
Product Dimensions	12.9"L x 15.4"W x 5.3"H
Item Model Number	6937224109933
Date First Available	September 4, 2025

WARRANTY

DJI provides an official warranty for its products, ensuring quality and performance. For detailed warranty terms and conditions, please refer to the official DJI website or the documentation included with your product. DJI offers one-stop technical support for warranty-related inquiries.

SUPPORT

For further assistance, including access to the full user manual, software downloads, and customer support, please visit the official DJI website. Ensure you download the latest DJI Fly app directly from the official DJI website for optimal performance and compatibility.

Official DJI Website: www.dji.com/support