DJI DJI Neo

DJI Neo Mini Drone Instruction Manual

Model: DJI Neo
Brand: DJI

Introduction

About the DJI Neo

The DJI Neo is a lightweight mini drone with a 4K UHD camera, designed for ease of use and portability. It's ideal for capturing breathtaking outdoor landscapes and exploring indoor scenes, ensuring everyone is included in your photos and videos. Discover a fresh perspective on everyday life with DJI Neo.
The DJI Fly app is essential for activating and using DJI Neo. Please note that due to platform compatibility issues, the DJI Fly app has been removed from Google Play. For the best user experience, download the app directly from the DJI official website before use.

Key Features

- **Lightweight and Regulation Friendly:** Weighing just 135g, the DJI Neo does not require FAA registration or Remote ID in many regions, making it highly portable.
- **Palm Takeoff & Landing:** Initiate flight directly from your hand with a simple button press, offering safe and easy operation.
- **Subject Tracking & QuickShots:** Effortlessly capture stunning footage with intelligent subject tracking and eight creative QuickShots modes.
- **Multiple Control Options:** Control the drone using controller-free gestures, voice commands (English/Chinese), the mobile app, or an optional RC controller.
- **4K Ultra-Stabilized Video:** Equipped with DJI stabilization technology, level-4 wind resistance, and 4K UHD video capabilities for smooth, high-quality footage.
- **Full-Coverage Propeller Guards:** Built-in propeller guards provide enhanced safety for dynamic indoor and outdoor flying.

What's in the Box

The standard DJI Neo package includes the following components:

- DJI Neo Aircraft x1
- DJI Neo Intelligent Flight Battery x1
- DJI Neo Propeller Guard (Pair) x1
- DJI Neo Spare Propellers (Pair) x1
- DJI Neo Spare Propeller Screw x4
- Screwdriver
- DJI Neo Gimbal Protector x1
- Type-C to Type-C PD Cable x1



An illustration of the items included in the DJI Neo standard combo: the aircraft, intelligent flight battery, and propeller guard.

Setup

Initial Activation and App Download

Before using your DJI Neo, it must be activated through the DJI Fly app. Please download the latest version of the DJI Fly app from the official DJI website. Ensure your smartphone's Wi-Fi, Bluetooth, and location permissions are enabled for proper connection.

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This video demonstrates how to export footage from the DJI Neo drone to a smartphone using the DJI Fly app's Quick Transfer feature, and also how to transfer files to a computer via USB-C cable. This process often involves initial app connection.

Charging the Battery

The DJI Neo Intelligent Flight Battery can be charged directly via the USB-C port on the drone. Connect the provided Type-C to Type-C PD Cable to a compatible USB power adapter (sold separately) and plug it into the drone's charging port. The battery indicator lights on the drone will show the charging status.



The DJI Neo Mini Drone, showcasing its compact design and integrated propeller guards, with the USB-C charging port visible at the rear.

Operating Your DJI Neo

Palm Takeoff & Landing

The DJI Neo offers a convenient palm takeoff feature. To initiate, ensure the drone is powered on and placed securely on your open palm with the camera facing you. Press and hold the mode button on the drone. The drone will announce the selected mode and begin a voice countdown before automatically taking off and hovering.



A visual guide demonstrating how to turn on the drone, select a mode, and initiate palm takeoff for filming.

For palm landing, simply extend your arm with an open palm beneath the hovering drone. Keep your hand still and fingers extended. The DJI Neo will detect your hand and land automatically. *Do not attempt to grab the drone while it is flying.*

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This video provides a step-by-step guide on performing the first flight of the DJI Neo using palm control, including pre-flight checks, takeoff, and landing procedures.

Subject Tracking & QuickShots

The DJI Neo features intelligent subject tracking, allowing it to follow a designated subject automatically while recording. It also includes eight creative QuickShots modes (e.g., Dronie, Circle, Rocket, Helix, Boomerang, Spotlight, Follow, DirectionTrack) to help you capture professional-looking footage with ease.



Illustrates the drone performing close-up shooting, smart tracking, and various QuickShots modes like orbiting a subject.

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An introductory video showcasing the DJI Neo drone's capabilities, including its compact size and ease of use for capturing various moments and QuickShots.

Control Options

The DJI Neo offers versatile control methods:

- **Controller-Free:** Use hand gestures and palm control for basic flight maneuvers.
- **Voice Control:** Activate voice commands (English/Chinese) via the DJI Fly app for hands-free operation.
- **Mobile App Control:** Utilize virtual joysticks and a live camera feed on your smartphone through the DJI Fly app.
- **RC Control:** For advanced control and extended range (up to 10 km), pair with compatible remote controllers like DJI RC-N3 or RC-N2 (sold separately).
- **Motion Control:** Experience immersive flight with DJI Goggles N3/Goggles 3 and RC Motion 3 or FPV Remote Controller 3 (sold separately).



Depicts various ways to control the DJI Neo, including controller-free, voice control, mobile app, motion control, and RC control.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your DJI Neo:

- **Cleaning:** Gently wipe the drone's body and propellers with a soft, dry cloth after each use. Avoid using harsh chemicals.
- **Propeller Inspection:** Regularly check propellers for any signs of damage, cracks, or bends. Replace spare propellers as needed using the provided screwdriver.
- **Gimbal Protector:** Always attach the gimbal protector when the drone is not in use or during transport to prevent damage to the camera and gimbal.
- **Heat Sinks:** The heat sinks on both sides of the DJI Neo may become hot after use. Avoid touching them

immediately after powering off the drone to prevent burns.
- **Storage:** Store the drone in a cool, dry place, away from direct sunlight and extreme temperatures.

Troubleshooting

Here are some common issues and their potential solutions:

- **DJI Fly App Compatibility:** If you experience issues with the DJI Fly app, ensure you have downloaded it from the official DJI website, as it has been removed from Google Play.
- **Connection Issues:** If the drone fails to connect to your smartphone, ensure Wi-Fi, Bluetooth, and location services are active on your device. Try restarting the app and the drone.
- **Unstable Flight/Landing:** Ensure you are flying in an open, unobstructed environment with sufficient light. When taking off or landing in dusty areas, consider placing the drone on a clean, elevated surface (e.g., a plastic mat) to prevent dust from interfering with sensors or propellers. Avoid taking off from metal surfaces, as this can interfere with the drone's internal compass calibration.
- **Subject Tracking Failure:** If the drone loses track of the subject, ensure the subject remains within the camera's field of view and is not obstructed by obstacles. The drone will hover if it fails to confirm the subject.
- **Low Battery Auto-Landing:** The DJI Neo is designed to land automatically when a critical low battery warning is triggered. Ensure you monitor battery levels during flight.

Technical Specifications

Feature	Specification
Brand	DJI
Model Name	DJI Neo
Item Weight	135 Grams (4.8 ounces)
Video Capture Resolution	4K
Effective Still Resolution	12 MP
Connectivity Technology	Wi-Fi
Control Type	App Control
Maximum Range	10 Kilometers
Battery Capacity	1435 Milliamp Hours
Flight Time	Up to 18 minutes (standard battery)
Internal Storage	22 GB

Operating Temperature	Up to 104 Degrees Fahrenheit
Material	Polycarbonate
Product Dimensions	6.18"L x 5.12"W x 1.91"H

Warranty and Support

DJI stands for its cutting-edge technology, reliability, and a wide range of products suitable for beginners and professionals alike. The DJI Neo comes with an official warranty, providing one-stop technical support for any product-related issues. For detailed warranty terms and conditions, please refer to the official DJI website or contact DJI customer service.
For further assistance, visit the DJI Store on Amazon or the official DJI support channels.

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

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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