Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

DJI 6941565980090

DJI Avata 2 (Drone Only) User Manual

Model: 6941565980090 | Brand: DJI

Introduction

This manual provides essential information for the safe and effective operation of your DJI Avata 2 drone. The DJI Avata 2 is designed for an immersive flight experience, featuring advanced camera capabilities and intuitive controls. For optimal performance, ensure the drone is activated via the DJI Fly App before use. Always adhere to local laws and regulations regarding drone operation.

What's in the Box

The DJI Avata 2 (Drone Only) package includes the following components:

- DJI Avata 2 Drone x1
- DJI Avata 2 Intelligent Flight Battery x1
- Spare Propellers (Pair) x2
- Spare Screws x8
- DJI Avata 2 Gimbal Protector x1
- Type-C to Type-C PD Cable x1
- Screwdriver x1



Image: The DJI Avata 2 drone and its intelligent flight battery, illustrating the main components included in the package.

Setup

Battery Charging

Before first use, fully charge the Intelligent Flight Battery using the provided Type-C to Type-C PD Cable and a compatible power adapter (not included). Do not connect the charger, external devices, or insert/remove batteries during power accumulation.

Activating the Drone

The DJI Avata 2 must be activated using the DJI Fly App. Download the latest version of the DJI Fly App from the DJI official website. Follow the in-app instructions to complete the activation process.

Landing Gear Installation

The DJI Avata 2 can be equipped with optional landing legs for increased ground clearance. These legs attach to the

underside of the drone. Use the provided screwdriver and screws for secure attachment, or simply click them into place if designed for quick release. Ensure they are firmly attached before flight.



Image: A top-front view of the DJI Avata 2 drone, showcasing its compact design and integrated propeller guards.

Operating the DJI Avata 2

Immersive Flight Experience

The DJI Avata 2 is designed for an immersive First-Person View (FPV) flight experience. This requires compatible DJI Goggles (e.g., DJI Goggles 3, DJI Goggles N3, DJI Goggles 2, DJI Goggles Integra) and a compatible motion controller (e.g., DJI RC Motion 3, DJI RC Motion 2) or FPV Remote Controller (e.g., DJI FPV Remote Controller 2, DJI FPV Remote Controller 3), all sold separately. Real-time HD video transmission through the goggles provides a cockpit-like perspective.

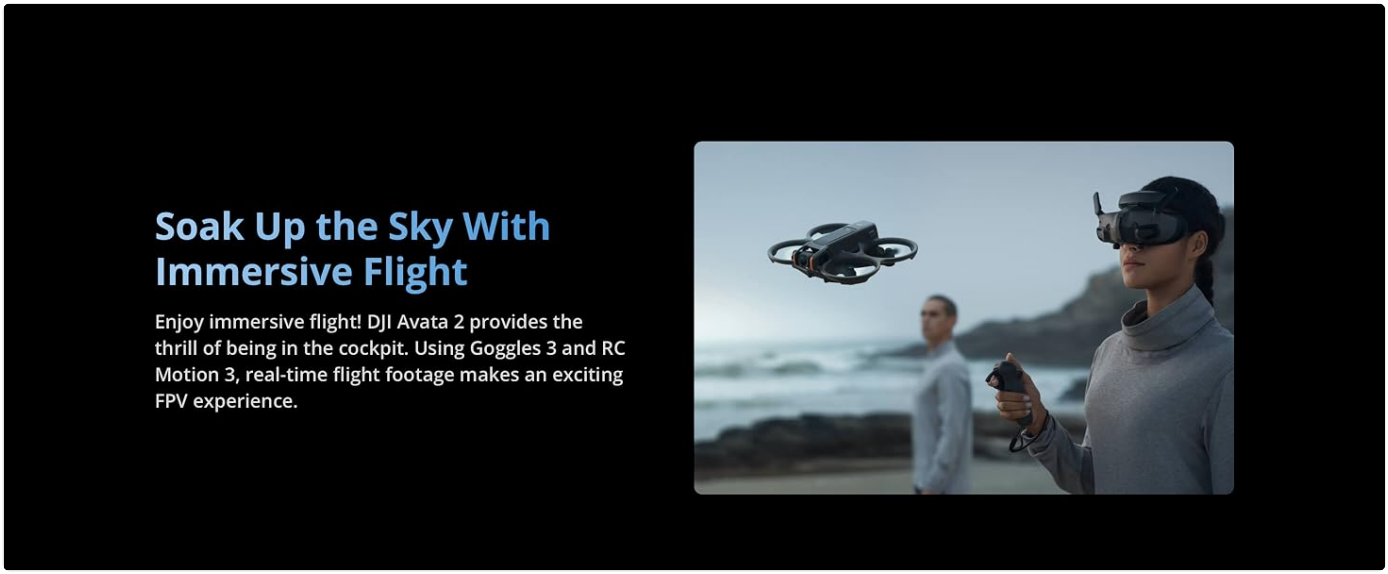


Image: A pilot wearing FPV goggles and holding a motion controller, experiencing immersive flight with the DJI Avata 2 drone hovering in the background.

Intuitive Motion Control

When paired with DJI RC Motion series products, the drone's movement can be controlled intuitively with hand gestures, simplifying flight for beginners. Advanced maneuvers like flips, rolls, 180° drifts, and power loops can be performed with ease using one-button acrobatics.



Image: A hand holding the DJI RC Motion controller, demonstrating the intuitive gesture-based control for the DJI Avata 2 drone.



Image: Illustrations depicting the DJI Avata 2 performing various acrobatic maneuvers such as flip, roll, 180° drift, and power loop.

Camera and Video Capabilities

The DJI Avata 2 features a 1/1.3-inch image sensor, capable of capturing stunning 4K/60fps HDR footage and 4K/100fps slow-motion video. It offers a super-wide 155° Field of View (FOV) for expansive shots. The drone supports 10-bit D-Log M color profile for greater flexibility in post-production. Electronic Image Stabilization (EIS) is provided through RockSteady and HorizonSteady modes, ensuring smooth footage even in windy conditions. For Gyroflow stabilization, electronic stabilization in the goggles menu should be turned off before flight, and the angle set to wide-angle.



Image: A visual comparison demonstrating the wider 155° Field of View (FOV) of the Avata 2 compared to a standard 82° FOV camera drone.



Image: A close-up illustration of the 1/1.3-inch image sensor, highlighting its effective pixels (12 MP) and HDR video capabilities (4K/60fps).

Flight Duration and Transmission

The DJI Avata 2 boasts a maximum flight time of 23 minutes under ideal conditions. It supports PD fast charging for quick recharging. The DJI O4 video transmission system provides a maximum transmission distance of 13 km (FCC standard) and a lowest transmission latency of 24 ms, with high-definition image quality at 1080p/100fps. This feature is available when using DJI Goggles 3 and DJI RC Motion 3 (both sold separately).



Image: A bar graph illustrating the DJI Avata 2's maximum flight time of 23 minutes compared to approximately 8 minutes for other FPV drones.

Safety Features

The Avata 2 includes several safety features: Fisheye Visual Positioning and ToF for smoother, safer flight, Turtle Mode for flipping the drone back to takeoff position after a fall, One-Click Emergency Brake, and Automatic Return to Home (RTH) if the drone signal is disconnected. The RTH setting can be changed to hover or land before takeoff.



Image: Visual representations of the DJI Avata 2's safety features, including Fisheye Visual Positioning, Turtle Mode, One-Click Emergency Brake, and Automatic Return to Home (RTH).

Storage and Sharing

The drone comes equipped with 46GB of internal storage, capable of storing approximately 90 minutes of 1080p/60fps video. Live feeds from the Avata 2 can be watched on a mobile device (up to 5m away) via the DJI Fly App when connected to DJI Goggles 3.



Image: A graphic illustrating the 46GB built-in storage capacity of the DJI Avata 2.

Compatibility

The DJI Avata 2 is compatible with a range of DJI accessories for enhanced functionality:

- **Compatible Goggles:** DJI Goggles 3, DJI Goggles N3, DJI Goggles 2, DJI Goggles Integra.
- **Compatible Remote Controllers:** DJI RC Motion 2, DJI RC Motion 3, DJI FPV Remote Controller 2, DJI FPV Remote Controller 3.

Note that some advanced features, such as M mode (Manual mode) flying with speeds up to 27 m/s, require DJI FPV Remote Controller 2 or DJI FPV Remote Controller 3 (sold separately).

Maintenance

Regular maintenance ensures the longevity and optimal performance of your DJI Avata 2 drone.

- **Cleaning:** Gently wipe the drone's surface with a soft, dry cloth. Ensure the camera lens and sensors are free from dust and debris.
- **Propellers:** Inspect propellers for any cracks, bends, or damage before each flight. Replace damaged propellers immediately using the spare parts provided.
- **Battery Care:** Store batteries in a cool, dry place. Avoid overcharging or completely draining the battery. Follow battery safety guidelines provided by DJI.
- **Gimbal Protector:** Always use the gimbal protector when transporting or storing the drone to prevent damage to the camera and gimbal system.

Troubleshooting

This section addresses common issues you might encounter with your DJI Avata 2.

- **Drone Not Activating:** Ensure you have the latest DJI Fly App installed and a stable internet connection. Follow the activation steps precisely.
- **Loss of Signal:** If the drone loses signal, it is factory set to automatically perform Return to Home (RTH). Ensure your RTH settings are configured as desired before flight.
- **Unstable Flight:** Check for damaged propellers and ensure they are correctly installed. Calibrate the IMU and compass via the DJI Fly App if flight remains unstable.
- **Video Transmission Issues:** Ensure your goggles and remote controller are properly linked to the drone. Check for

environmental interference. If using 5.8GHz band, note that screen sharing to smartphone via Wi-Fi may not be available in certain regions (e.g., Japan); a wired connection is recommended.

- **Landing Gear Issues:** Ensure the landing legs are securely attached and fully extended before takeoff.

Specifications

Feature	Detail
Brand	DJI
Model Name	DJI Avata 2
Item Model Number	6941565980090
UPC	190021105195
Item Weight	377 Grams (13.3 ounces)
Product Dimensions	8.35"L x 7.28"W x 2.52"H
Video Capture Resolution	4K
Effective Still Resolution	12 MP
Optical Sensor Technology	CMOS
Maximum Range	13 Kilometers (FCC)
Max Flight Time	23 minutes
Internal Storage	46GB
Connectivity Technology	Bluetooth, Wi-Fi
Skill Level	Beginner

Warranty and Support

For detailed warranty information, please refer to the official DJI Warranty document. You can typically find this on the DJI official website or through the provided PDF document:
DJI Warranty Information (PDF)
For further assistance, technical support, or to download the latest firmware and user guides, visit the official DJI support website or contact DJI customer service.
Additional resources:

- User Guide (PDF)
- Safety Information (PDF)

© 2024 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

Open the live page

https://manuals.plus/asin/B0CS6KY96F

More documents and user manuals: **https://manuals.plus/**