DJI 6941565980083

DJI Avata 2 Fly More Combo User Manual

Model: 6941565980083

Introduction

Welcome to the world of immersive flight with your new DJI Avata 2 Fly More Combo. This manual provides essential information for setting up, operating, and maintaining your FPV drone. Please read it thoroughly before your first flight to ensure safe and optimal performance.



Figure 1: DJI Avata 2 Fly More Combo components including the drone, motion controller, and Goggles 3.

What's in the Box

Your DJI Avata 2 Fly More Combo (1 Battery) package includes the following items:

- DJI Avata 2 x1
- DJI Avata 2 Intelligent Flight Battery x1
- DJI RC Motion 3 x1
- DJI Goggles 3 x1
- Spare Propellers (Pair) x2
- Spare Screws x8
- DJI Avata 2 Gimbal Protector x1
- Type-C to Type-C PD Cable x1
- Screwdriver x1
- DJI RC Motion 3 Lanyard x1

- DJI Goggles 3 Foam Padding x1
- DJI Goggles 3 Additional Forehead Pad x1
- DJI Goggles 3 -2.0D Corrective Lenses (Pair) x1
- USB-C OTG Cable x1

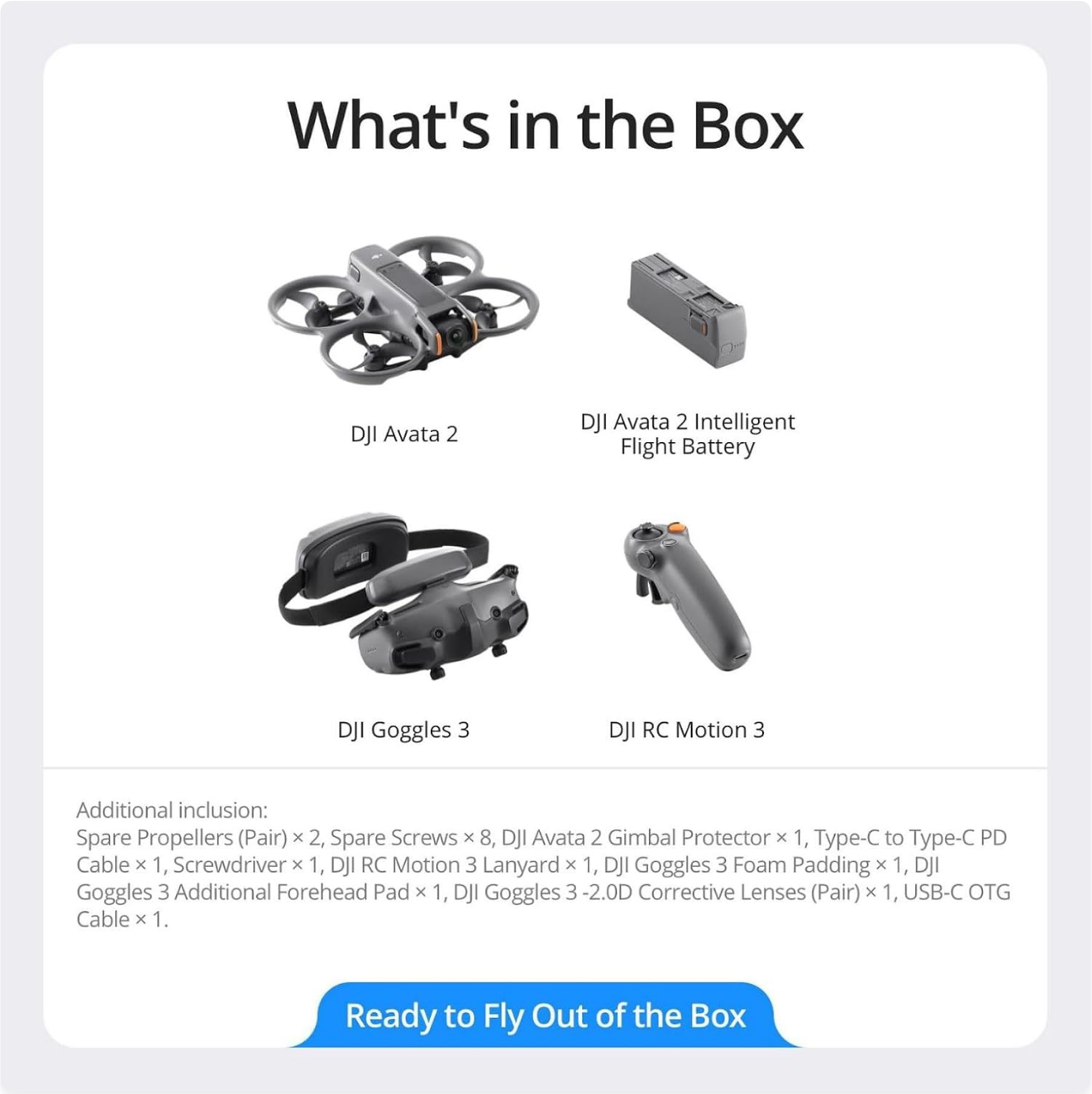


Figure 2: Visual representation of the items included in the DJI Avata 2 Fly More Combo.

Setup

1. Charging

Ensure all batteries (drone, Goggles 3, RC Motion 3) are fully charged before first use. Use the provided Type-C to Type-C PD Cable for charging. Do not connect the charger, external devices, or insert/remove any batteries during power accumulation.

2. DJI Fly App Installation

Important: The DJI Fly app has been removed from Google Play due to platform compatibility issues. To

ensure a better product usage experience, please visit the official DJI website to download the latest version of the DJI Fly app before use. The DJI Avata 2 must be activated in the DJI Fly App.

3. Assembly and Pre-Flight Checks

The DJI Avata 2 comes largely pre-assembled. Ensure the gimbal protector is removed before flight. Verify propellers are securely attached. Always check local laws and regulations and ensure the aircraft has obtained relevant certifications and airspace authorizations before flying.

4. FAA Remote ID Compliance

The DJI Avata 2 complies with the FAA Remote ID rule. Please visit the FAA's website for requirements of drone registration and Remote ID compliance in your area.

Operating Instructions

1. Immersive Flight Experience

The DJI Avata 2 provides an immersive flight experience through the DJI Goggles 3 and RC Motion 3. Real-time flight footage is transmitted directly to your goggles, offering a first-person view as if you are in the cockpit.



Figure 3: Experience immersive flight with DJI Goggles 3 and RC Motion 3.

2. Intuitive Motion Control

Effortlessly control the drone's movement with the DJI RC Motion 3. This intuitive controller allows for natural, easy movements, enabling even beginners to fly confidently. New pilots can perform spectacular flips, drifts, and other captivating maneuvers.



Figure 4: Intuitive control with the DJI RC Motion 3, allowing for precise drone movements.

3. Easy ACRO Modes

Perform jaw-dropping flips, rolls, 180° drifts, and power loops with ease. These acrobatic maneuvers can be executed without extensive training, elevating your flying skills and capturing dynamic footage.

- **One-Push Flip:** Perform 360° front/back flips for stunning footage with a single push.
- **One-Push Roll:** Perform jaw-dropping 360° rolls left/right without extensive training.
- **One-Push 180° Drift:** Turn any shot from meh to magic.
- **One-Push Power Loop:** Power Loop lets you accelerate, ascend, flip, and descend.



Figure 5: Visual guide to performing acrobatic maneuvers with the DJI Avata 2.

4. Camera Features and Visuals

The DJI Avata 2 is equipped with a 1/1.3-inch image sensor, capable of capturing stunning 4K/60fps HDR footage and 4K/100fps Slow-Motion Video. The 155° FOV (Field of View) provides a super-wide perspective, allowing for spectacular ultra-wide aerial visuals. You can also choose from 3 frame options to adjust the FOV to your scenario. Record up to one billion colors with the ultra-high dynamic range using 10-Bit D-Log M, whether in high-contrast or to capture delicate color gradations. In the goggles, you can adjust the sharpness and noise reduction levels.

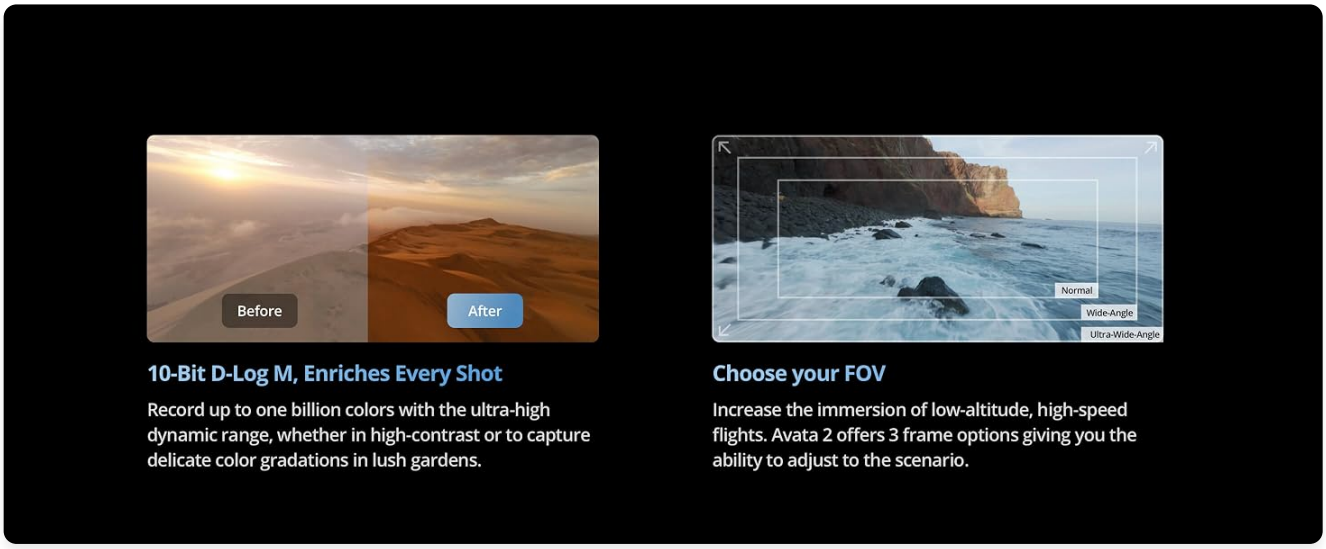


Figure 6: The 1/1.3-inch sensor enhances aerial potential with 12 MP effective pixels and 4K/60fps HDR videos.

5. Stabilization

Relying on DJI's latest EIS 3.5 algorithm, Avata 2 supports two stabilization modes: RockSteady and HorizonSteady. These modes ensure smooth, steady footage even when flying at high speeds or in windy conditions. For offline stabilization, Gyroflow is supported.

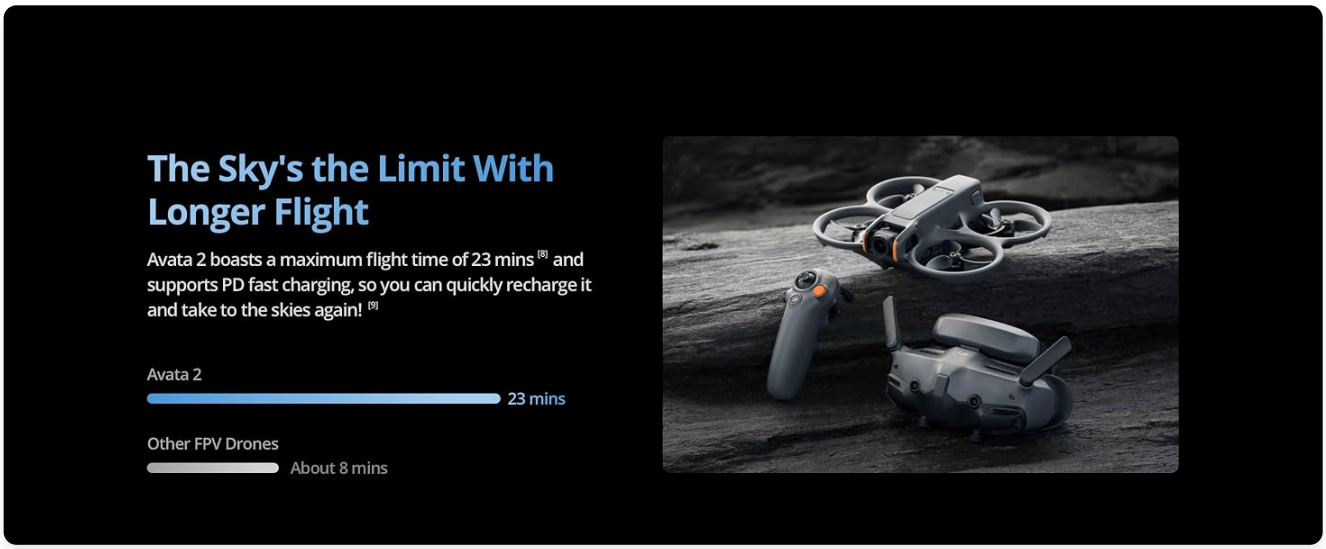


Figure 7: Demonstrates the effectiveness of RockSteady stabilization for smooth video capture.

6. Flight Time and Transmission

The Avata 2 boasts a maximum flight time of 23 minutes and supports PD fast charging. The DJI O4 video transmission system provides a maximum transmission distance of 13 km (FCC standard in open outdoor environment without interference) and a lowest transmission latency of 24 ms, delivering high-definition 1080p/100fps image quality.

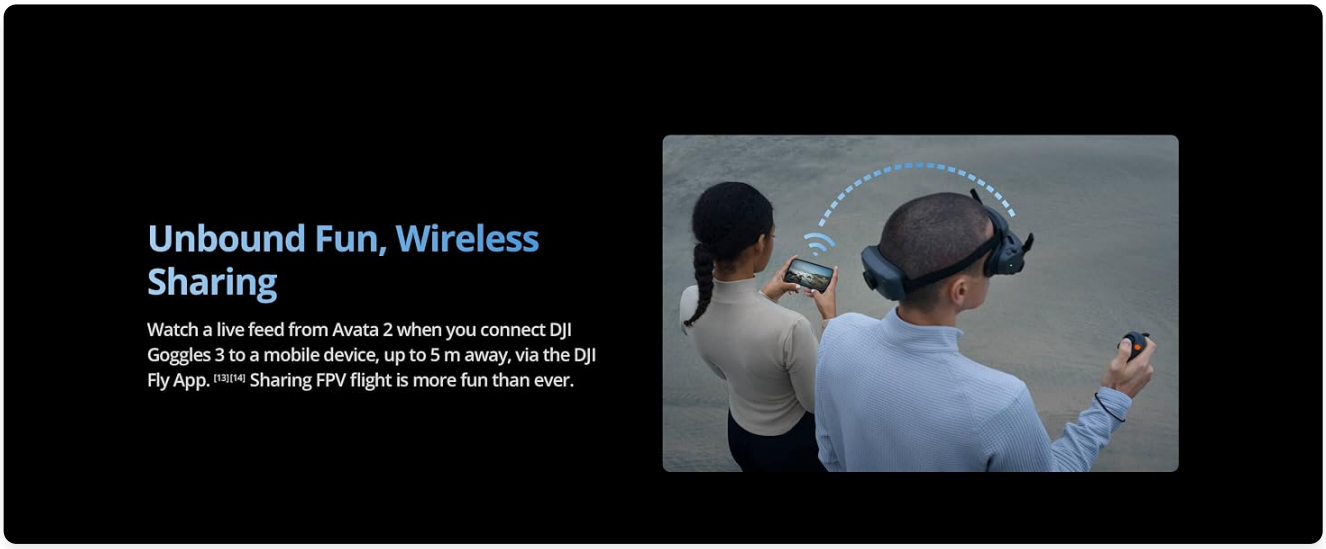


Figure 8: The DJI Avata 2 offers extended flight time compared to other FPV drones.

7. Safety Features

The DJI Avata 2 incorporates several safety features for confident flying:

- **Built-in Propeller Guard:** The integrated propeller guards make the drone more robust and durable, allowing for safer flights in various scenarios, including indoors.
- **Fisheye Visual Positioning and ToF:** Enhances smoother and safer flight.
- **Turtle Mode:** Allows flipping the drone back to takeoff position if it lands upside down.
- **One-Click Emergency Brake:** Provides immediate stopping power.
- **Automatic Return to Home (RTH):** Factory set to perform RTH if the drone signal is disconnected. This setting can be changed to hover or land before takeoff.

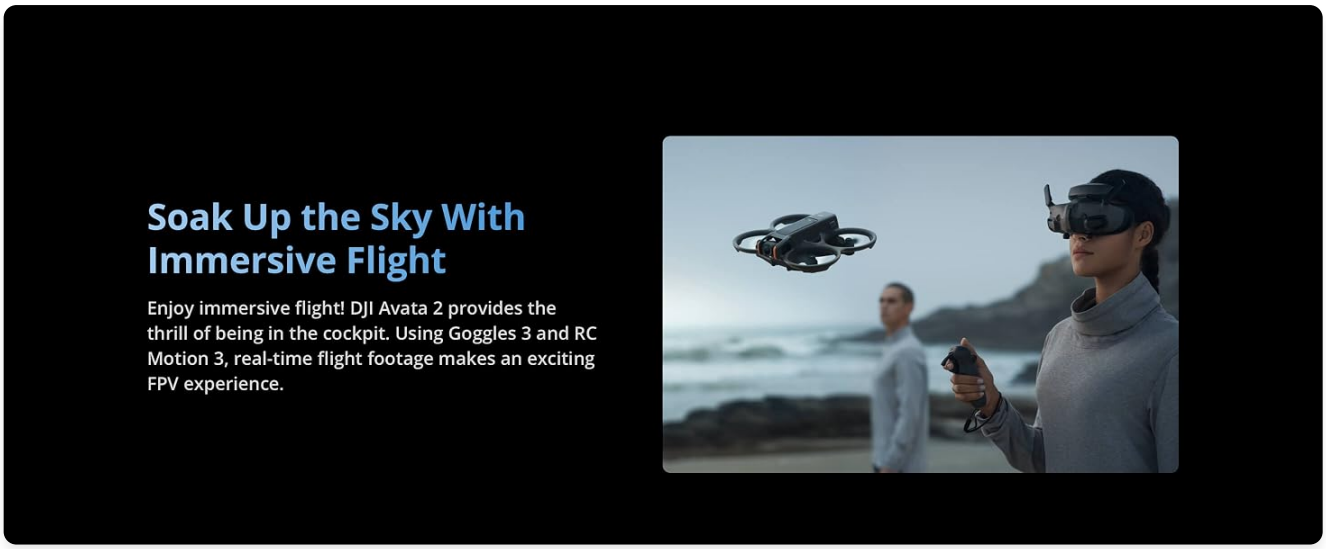


Figure 9: The built-in propeller guard enhances safety and durability.

8. Wireless Sharing and Storage

Watch a live feed from Avata 2 when you connect DJI Goggles 3 to a mobile device, up to 5m away, via the DJI Fly App. The Avata 2 comes equipped with 46GB internal storage, capable of storing approximately 90 minutes of 1080p/60fps video, ensuring you capture the best parts of each flight.



Figure 10: The DJI Avata 2 features 46GB of built-in storage for extensive recording.

9. Compatibility

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

- **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.

The drone supports M mode (Manual mode) flying and can achieve speeds up to 27 m/s (EU: 19 m/s) when paired with DJI FPV Remote Controller 3 (sold separately).

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Video 1: An introductory video showcasing the DJI Avata 2 drone and its features.

Maintenance

Regular maintenance ensures the longevity and performance of your DJI Avata 2:

- **Cleaning:** Gently wipe the drone, camera lens, and goggles with a soft, dry cloth after each use. Avoid using harsh chemicals.
- **Propeller Inspection:** Regularly check propellers for any signs of damage (cracks, bends, chips). Replace damaged propellers immediately using the provided spare parts.
- **Battery Care:** Store batteries in a cool, dry place. Do not fully discharge batteries for extended storage. Charge them to approximately 50-60% if storing for long periods.
- **Firmware Updates:** Periodically check the DJI Fly app for firmware updates for the drone, goggles, and remote controller. Keeping firmware updated ensures optimal performance and access to new features.

Troubleshooting

Here are some common issues and their solutions:

Issue	Possible Cause	Solution

Issue	Possible Cause	Solution
DJI Fly App not found/working	Removed from Google Play; compatibility issues.	Download the latest version directly from the official DJI website.
Drone not responding to controls	Disconnected signal; low battery.	Ensure drone, goggles, and controller are powered on and linked. Check battery levels. If signal is lost, the drone may initiate RTH.
Poor video transmission quality	Interference; distance from controller.	Fly in an open environment free of interference. Ensure line of sight with the drone.
Drone lands upside down	Minor crash or rough landing.	Activate Turtle Mode to flip the drone back to its takeoff position.
Cannot share screen to smartphone via Wi-Fi	5.8GHz frequency band unavailable in region (e.g., Japan).	Use a wired connection for screen sharing. Check local radio and aviation laws.

Specifications

Feature	Detail
Brand	DJI
Model Name	DJI Avata 2
Item Model Number	6941565980083
Color	Black
Item Weight	1.08 Kilograms (2.38 pounds)
Product Dimensions	7.28"L x 8.35"W x 2.52"H
Video Capture Resolution	4K
Effective Still Resolution	12 MP
Optical Sensor Technology	CMOS
Maximum Flight Time	Up to 23 Minutes
Maximum Range	13 Kilometers (FCC standard)
Stabilization	RockSteady and HorizonSteady
Internal Storage	46GB
Battery Cell Composition	Lithium Ion

Feature	Detail
Control Type	Remote Control
Connectivity Technology	Wi-Fi, Proprietary DJI wireless, Bluetooth

Warranty and Support

DJI offers an official warranty for its products, providing one-stop technical support. For detailed warranty information, please refer to the official DJI website or the documentation included with your product. Protection plans are available for purchase to extend coverage:

- 2-Year Protection Plan
- 3-Year Protection Plan
- Complete Protect (monthly plan)

For further assistance, you can refer to the official User Manual (PDF) available at:DJI Avata 2 User Manual PDF

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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.

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