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DJI 6941565980069

DJI Goggles 3

USER MANUAL

1. Introduction

The DJI Goggles 3 are advanced FPV goggles designed to provide an immersive and high-quality flight experience. They feature Micro-OLED screens, O4 HD video transmission, and various functionalities to enhance drone piloting. This manual provides detailed instructions for setting up, operating, and maintaining your DJI Goggles 3.



Image: The DJI Goggles 3, a sleek, gray FPV headset with adjustable straps and antennas, designed for immersive drone piloting.

2. Package Contents

Verify that all items are present in your package:

- DJI Goggles 3 × 1
- DJI Goggles 3 Foam Padding × 1
- DJI Goggles 3 Additional Forehead Pad × 1
- DJI Goggles 3 -2.0D Corrective Lenses (Pair) × 1
- USB-C OTG Cable × 1

What's in the Box



Image: A flat lay showing all components included in the DJI Goggles 3 package, including the goggles, foam padding, forehead pad, corrective lenses, and USB-C cable.

3. Setup

3.1 Physical Setup

The DJI Goggles 3 feature an integrated headband for comfort and convenience. Ensure the foam padding and additional forehead pad are correctly installed for a secure and comfortable fit. The lightweight design liberates you from tangled cables.

3.2 Diopter Adjustment

The goggles accommodate diopter adjustments from -6.0 D to +2.0 D, allowing users with nearsightedness or farsightedness to achieve clear vision without additional corrective lenses.

Adjust The Diopters From +2.0 to -6.0 D



Image: A detailed view of the dioptric adjustment dials on the DJI Goggles 3, showing the range from +2.0 D to -6.0 D.

3.3 Initial Power On

To power on the goggles, press and hold the power button located on the device. The battery level LEDs will indicate the power status.

3.4 Connecting to Mobile Device (Wired/Wireless)

The DJI Goggles 3 can share live view with a mobile device via wired or wireless connection. For wired connection, use the provided USB-C OTG cable. For wireless connection, ensure Wi-Fi and Bluetooth are enabled on your mobile device and use the DJI Fly app.

Your browser does not support the video tag.

Video: This video demonstrates how to share the live view from DJI Goggles 3 to a mobile device using both wired and wireless connections, and how to broadcast the live view to other DJI Goggles 3 units.

3.5 Connecting to Other Goggles (Broadcasting)

The broadcasting mode allows you to share the live view from your DJI Goggles 3 to other nearby DJI Goggles 3 devices. This feature is useful for shared viewing experiences.

4. Operating Instructions

4.1 Immersive Flight Experience

Pair the goggles with DJI RC Motion 3 for a fully immersive motion control experience, or use them with RC-N2 or RC 2 remote controllers for 3-axis-gimbal camera drones. This setup delivers silky-smooth live feeds for an optimal FPV flying experience.



Immersive Flight, Broaden Your Horizons

DJI Goggles 3 can be paired with DJI Avata 2 and DJI RC Motion 3 for intuitive body movement control.⁽¹⁾ Merely tilt your head or wrist, and you will be flying Avata 2, enjoying an immersive and visually thrilling experience.

Image: A person wearing DJI Goggles 3, holding a motion controller, with a drone flying in the background, illustrating the immersive flight experience.

4.2 Real View PiP (Picture-in-Picture)

Enhance flight safety by observing your surroundings without removing your goggles. The Real View PiP function allows you to see your real-world environment alongside the drone's live feed.



Real View PiP, An Effortless Reality Check

With a quick double-tap on the right-side panel, switch between the interface and real-world view. Without removing your goggles, you can now conveniently observe your surroundings to get enhanced flight safety.

Image: A visual representation of the Real View PiP feature, showing the drone's in-flight view overlaid on a real-world view seen through the goggles' external cameras.

4.3 O4 HD Video Transmission

Experience ultra-low latency (24 ms) and a high bitrate (60Mbps) with the O4 video transmission system. This ensures crystal-clear and fluid first-person views, compatible with Avata 2, Air 3, and Mini 4 Pro.

Next-Gen O4 HD Video Transmission

DJI Goggles 3 is equipped with DJI's latest O4 digital video transmission with a 2-transmitter and 4-receiver design. With Avata 2, O4 video transmission delivers ultra-low latency at 24 ms and a high bitrate of 60Mbps.^{[2] [3]}

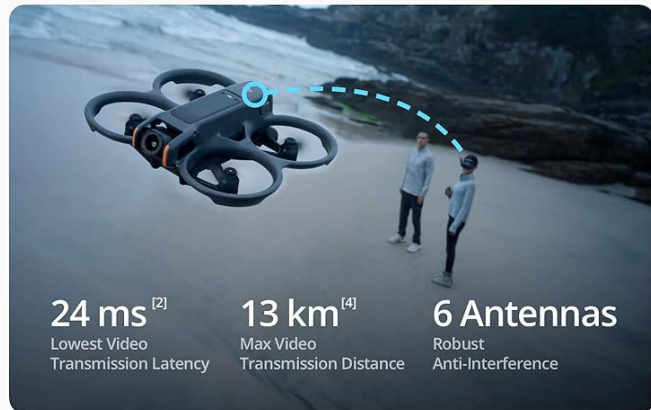


Image: An illustration highlighting the 24 ms lowest video transmission latency and 13 km max video transmission distance of the O4 system.

4.4 One-Tap Defogging

The goggles include a one-tap defogging feature, providing a convenient solution for maintaining clear vision in sudden temperature changes or high-humidity conditions.

4.5 Wireless Streaming

Stream your flight in real-time to your smartphone's DJI Fly app via Wi-Fi connection. You can also import panoramic and 3D videos onto an SD card and play them back using Goggles 3 for an immersive experience.

More Fun With Wireless Streaming

Stream your flight in real-time on your smartphone's DJI Fly app via a Wi-Fi connection.^{[7] [8]} You can also import panoramic and 3D videos onto an SD card and play them back using Goggles 3 for an immersive experience that seems almost within reach.



Image: Two individuals, one wearing the goggles and the other viewing the live stream on a smartphone, demonstrating the wireless streaming feature.

4.6 AR Cursor

When used with RC Motion 3, you can treat the Motion 3 as an AR cursor to navigate the menu on the goggles' screen. This feature makes enabling functions and adjusting camera settings more efficient.



Quick Control With AR Cursor

When used with RC Motion 3,¹¹ you can treat the Motion 3 as an AR cursor to navigate the menu on the goggles' screen. Enabling functions and adjusting the camera settings have never been more efficient.

Image: A person wearing DJI Goggles 3, using a motion controller to interact with an augmented reality cursor displayed within the goggles' view.

5. Maintenance

To ensure the longevity and optimal performance of your DJI Goggles 3, follow these maintenance guidelines:

- **Cleaning:** Regularly clean the Micro-OLED screens and lenses with a soft, lint-free cloth. Use the one-tap defogging feature as needed.
- **Storage:** Store the goggles in a dry, cool place away from direct sunlight and extreme temperatures.
- **Battery Care:** Charge the integrated battery regularly, even if not in use, to maintain battery health. Avoid fully discharging the battery for extended periods.
- **Firmware Updates:** Periodically check for and install firmware updates via the DJI Fly app or DJI Assistant 2 to ensure optimal performance and access to new features.

6. Troubleshooting

If you encounter issues with your DJI Goggles 3, consider the following:

- **No Image Transmission Signal:** Ensure the goggles are correctly linked to the aircraft and that the aircraft is powered on. Check for any obstructions between the goggles and the drone.
- **Connection Issues:** Verify that Wi-Fi and Bluetooth are enabled on your mobile device for wireless connections. For wired connections, ensure the USB-C cable is securely connected.
- **Display Clarity:** Adjust the diopters to match your vision. Use the one-tap defogging function if the screens appear foggy.
- **Power Issues:** Ensure the battery is sufficiently charged. The goggles have a 3-hour max operating time.
- **Compatibility:** Confirm that your drone and remote controllers are compatible with DJI Goggles 3. Refer to the compatibility section below.

For persistent issues, please refer to the official DJI support resources.

7. Specifications

Feature	Value
Product Dimensions	8.07 x 4.21 x 4.09 inches
Item Weight	1.03 pounds
Item Model Number	6941565980069
Batteries	1 Lithium Ion battery required (included)
Max Operating Time	3 hours
Screen Resolution	1080p Micro-OLED
Refresh Rate	Up to 100 Hz
Diopter Adjustment	-6.0 D to +2.0 D
Video Transmission Latency	24 ms (with Avata 2, O4)
Max Video Transmission Distance	13 km (FCC standard)

Which is the Best for You?

	 DJI Goggles 3	 DJI Goggles 2	 DJI Goggles Integra	 DJI FPV Goggles V2
Real View PiP	✓	×	×	×
AR Cursor	✓	×	×	×
Diopter Adjustment	-6.0 D to +2.0 D	-8.0 D to +2.0 D	Added lenses ^[10]	×
Max Operating Time	180 mins ^[6]	120 mins ^[11]	120 mins ^[11]	110 mins ^[11]
Max Range	13 km (FCC) ^[4]	10 km (FCC) ^[4]	10 km (FCC) ^[4]	10 km (FCC) ^[4]
3D Video Playback	✓	×	×	×
Wi-Fi Sharing	Wireless/Wired	Wired Sharing	Wired Sharing	×

Image: A table comparing features of various DJI Goggles models, including Real View PiP, AR Cursor, Diopter Adjustment, Max Operating Time, Max Range, 3D Video Playback, and Wi-Fi Sharing.

8. Compatibility

The DJI Goggles 3 are compatible with the following DJI products:

- DJI Neo
- DJI Avata 2
- DJI Mini 4 Pro
- DJI Air 3
- DJI RC Motion 3
- DJI FPV Remote Controller 3
- DJI O3 Air Unit
- DJI O4 Air Unit
- DJI O4 Air Unit Pro
- DJI RC-N2
- DJI RC 2

Please note that DJI Goggles 3 do **not** work with DJI RC Motion 2 and DJI FPV Remote Controller 2.

9. Warranty and Support

For warranty information, technical support, or service inquiries, please visit the official DJI website or contact DJI customer service. Keep your proof of purchase for warranty claims.

Official DJI Store: [Visit the DJI Store on Amazon](#)