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> XZMO Goggles N3 User Manual

## XZMO N3

# XZMO Goggles N3 User Manual

Model: N3

## 1. INTRODUCTION

Welcome to the XZMO Goggles N3 user manual. The Goggles N3 is designed to provide an immersive and seamless flight experience, compatible with DJI Neo, Avata 2, O4 Air Unit Pro, and O4 Air Unit systems. Featuring a plug-and-play design, 1080p HD display, and head tracking capabilities, these goggles enhance your aerial adventures.

## 2. PRODUCT OVERVIEW

The XZMO Goggles N3 are engineered for comfort and performance, integrating advanced features for an unparalleled FPV experience.

### Key Features:

- **Roomy and Eyewear-Friendly Design:** Accommodates glasses comfortably without needing diopter adjustments.
- **Extended Operating Time:** Up to 2.7 hours of continuous use.
- **One-Tap Defogging:** Effectively controls moisture by accelerating internal fan speed.
- **Stable Transmission:** Automatic optimal frequency band selection (2.4 GHz and 5.8 GHz) for buttery-smooth live view.
- **Anti-Interference Performance:** Advanced O4 digital video transmission system for 1080p/60fps live feeds with low latency.
- **Immersive Pilot's Perspective:** Head tracking function for intuitive control with head or wrist movements.

### Components:



Side view of the XZMO Goggles N3, showcasing its sleek design and integrated headband.



Another side view of the Goggles N3, highlighting the control buttons and adjustable straps.



Rear view of the Goggles N3, showing the comfortable face padding and connectivity ports.



Front view of the Goggles N3, displaying the high-definition lenses.



A user wearing the XZMO Goggles N3, demonstrating the comfortable fit during operation.

### 3. SETUP

1. **Unboxing and Inspection:** Carefully remove the Goggles N3 from its packaging. Inspect for any visible damage.
2. **Initial Charge:** Before first use, ensure the goggles are fully charged. Connect the provided charging cable to the goggles and a compatible power source. The integrated battery provides up to 2.7 hours of operating time.
3. **Wearing the Goggles:** Adjust the integrated headband for a comfortable and secure fit. The roomy interior is designed to accommodate eyeglasses without the need for diopter adjustments. Ensure the goggles sit snugly on your face without applying excessive pressure.
4. **Power On:** Press and hold the power button until the display illuminates.
5. **Pairing:** Follow the on-screen instructions to pair your Goggles N3 with your compatible DJI drone (Neo, Avata 2, O4 Air Unit Pro, or O4 Air Unit). The plug-and-play design facilitates quick and easy connection.

## 4. OPERATING INSTRUCTIONS

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Experience immersive flight with the Goggles N3 by following these operational guidelines:

- **Immersive Flight View:** Once paired, the 1080p HD display will show a live feed from your drone, providing a pilot's perspective.
- **Head Tracking Control:** Activate the head tracking function in the goggles' settings. This allows you to control your drone (Neo/Avata 2) by moving your head or wrist, achieving seamless synergy between your movements and the drone's flight path.
- **Stable Video Transmission:** The goggles automatically select the optimal frequency band (2.4 GHz or 5.8 GHz) based on environmental conditions to ensure stable transmission. This provides a buttery-smooth live view, even during high-speed flight, with a maximum video transmission bitrate of 60 Mbps and SyncSmooth technology.
- **Low Latency Performance:** Benefit from the advanced O4 digital video transmission system, offering exceptional anti-interference performance. Enjoy 1080p/60fps live feeds with a minimum latency of 31 ms and a transmission range of up to 13 km.
- **AR Cursor Control:** Utilize the seamless AR cursor control feature for intuitive navigation within the goggles' interface.

### Demonstration Video:

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Official product video demonstrating the features and usage of the XZMO Goggles N3.

## 5. MAINTENANCE

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- **Lens Cleaning:** Use a soft, lint-free cloth specifically designed for optical lenses to gently clean the display lenses. Avoid abrasive materials or harsh chemicals.
- **One-Tap Defogging:** If fog builds up on the lens surface, activate the one-tap defogging function. This feature accelerates the internal fan speed to circulate air and clear moisture, ideal for changing temperatures or high-humidity environments.
- **Exterior Cleaning:** Wipe the exterior of the goggles with a soft, damp cloth. Do not submerge the device in water or use excessive moisture.
- **Storage:** Store the goggles in a cool, dry place away from direct sunlight and extreme temperatures. Use the original packaging or a protective case when not in use to prevent dust and scratches.

## 6. TROUBLESHOOTING

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If you encounter issues with your XZMO Goggles N3, please refer to the following common troubleshooting steps:

- **Goggles Not Powering On:** Ensure the battery is fully charged. Connect the goggles to a power source and allow it to charge for at least 30 minutes before attempting to power on again.
- **No Video Feed/Poor Signal:**
  - Verify that the goggles are correctly paired with your drone.
  - Ensure the drone and goggles are within the specified transmission range (up to 13 km).
  - Check for strong electromagnetic interference in your environment. Move to an open area if possible.
  - Confirm that the drone's video transmission system is active and functioning correctly.
- **Display Fogging:** Activate the one-tap defogging function as described in the Maintenance section. Ensure proper

ventilation around the lenses.

- **Unresponsive Controls:** Restart the goggles and the connected drone. If the issue persists, ensure the firmware for both devices is up to date.
- **Comfort Issues:** Re-adjust the headband and face padding to find an optimal fit. The design is eyewear-friendly, but individual comfort may vary.

For persistent issues not covered here, please contact customer support.

## 7. SPECIFICATIONS

Attribute	Detail
Brand	XZMO
Model	N3
Item Weight	1.74 pounds
Product Dimensions	8.5 x 4.5 x 8.7 inches
Display Resolution	1920 x 1080
Display Refresh Rate	60 Hz
Maximum Screen Brightness	1350 Nit
Battery Life	2.7 Hours
Compatible Devices	Avata 2, DJI Neo, O4 Air Unit, O4 Air Unit Pro
Connectivity Technology	Bluetooth
Video Transmission System	O4 Digital Video Transmission
Frequency Bands	2.4 GHz, 5.8 GHz (auto-selection)
Max Video Bitrate	60 Mbps
Minimum Latency	31 ms
Transmission Range	Up to 13 km
Field of View (FOV)	54°
Sensor Technology	Gyroscope, Accelerometer, Magnetometer

## 8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or contact XZMO customer service. If you have any questions about the product, our team is available to provide professional and detailed assistance.

Contact information can typically be found on the manufacturer's official website or on the product packaging.



