

RayNeo Air 3s Pro

RayNeo Air 3s Pro AR/XR Glasses User Manual

Model: Air 3s Pro

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1. INTRODUCTION

Welcome to the RayNeo Air 3s Pro AR/XR Glasses user manual. These smart glasses offer an immersive visual and audio experience, transforming your content consumption and gaming. Featuring a 201-inch virtual display, 1200 nits brightness, and advanced eye comfort technologies, the Air 3s Pro is designed for versatile use across various platforms. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your device to ensure optimal performance and user satisfaction.

Occhiali AR Più Luminosi Al Mondo

I primi occhiali AR con 1200 nits di luminosità

1200 nits

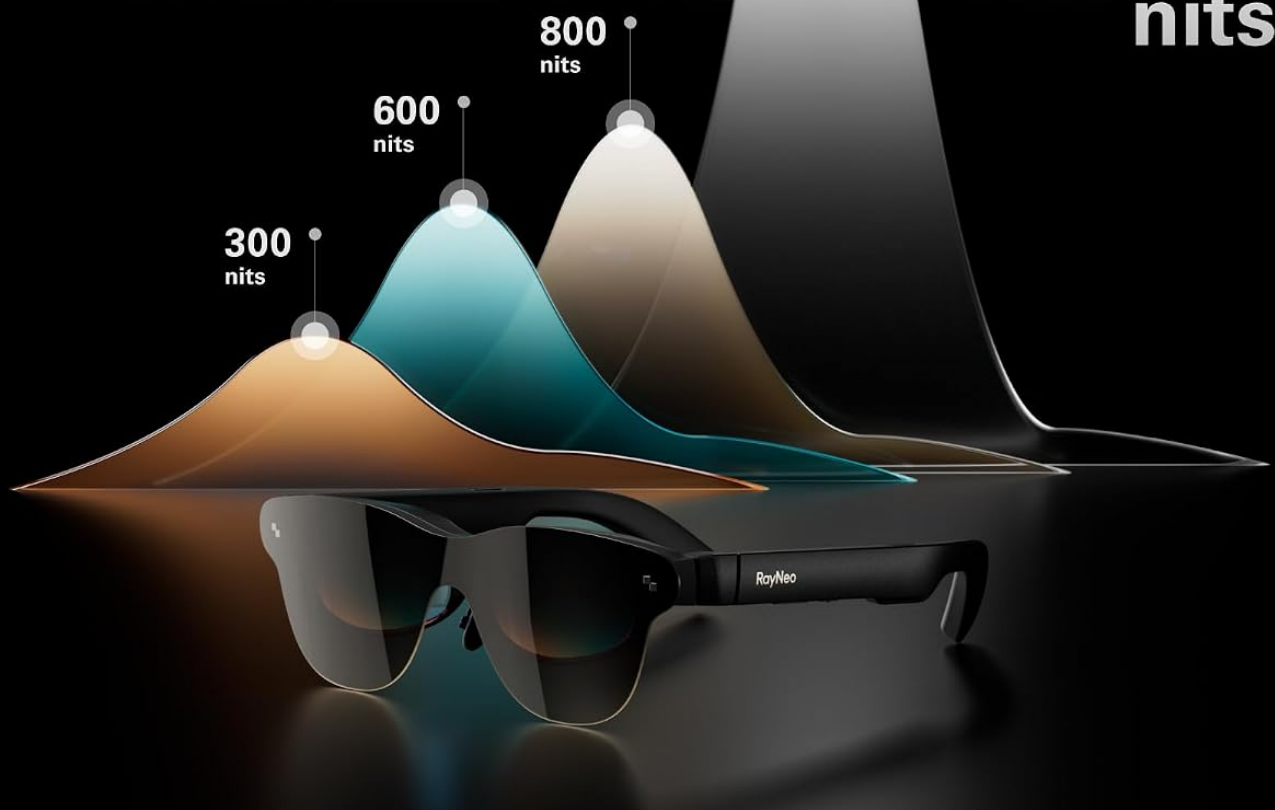


Image: The RayNeo Air 3s Pro AR/XR Glasses, showcasing their sleek design.

2. WHAT'S IN THE BOX

Upon unboxing your RayNeo Air 3s Pro, please verify that all the following components are included:

- RayNeo Air 3s Pro AR Glasses
- Nose Pads (multiple sizes for adjustment)
- Corrective Lens Frame
- USB-C Cable

- Cleaning Cloth
- User Manual (this document)
- Carrying Case

Note: Optional accessories such as the JoyDock, Pocket TV, USB-C Adapter, and HDMI Adapter are sold separately and are not included in the standard package.



Image: An overview of the RayNeo Air 3s Pro packaging and included accessories.

3. SETUP

3.1 Physical Adjustment

For optimal comfort and display clarity, adjust the glasses to fit your face.

- **Nose Pads:** Select the nose pads that provide the most comfortable fit and position the display correctly in your field of view. The Air 3s Pro includes multiple sizes.
- **Temples:** The temples are adjustable (9 levels) to accommodate various head shapes. Adjust them for a secure yet comfortable fit.
- **Corrective Lenses:** If you require corrective lenses, use the provided frame to insert your prescription lenses.

3.2 Connecting to Devices

The RayNeo Air 3s Pro glasses connect via USB-C with DisplayPort Alternate Mode.

- **Direct Connection (USB-C with DisplayPort):** Connect the USB-C cable from the glasses directly to compatible smartphones (iOS 15/16/17, Android with DisplayPort support), tablets, or PCs/Macs that support DisplayPort output via USB-C.
- **HDMI Connection (with Adapter):** For devices like PS5, Xbox, or PCs without USB-C DisplayPort, an optional HDMI adapter is required. Connect the glasses to the adapter, and then the adapter to your device via HDMI. Ensure the adapter is also powered if necessary.
- **Charging while Playing:** Use an optional USB-C adapter that supports power delivery (PD 100W) to charge your connected device while using the glasses.

Effetto Audio Spaziale Imparagonabile, Suono di Livello da Studio



Image: Visual guide to connecting the RayNeo Air 3s Pro to smartphones, PCs, and gaming consoles using USB-C and optional adapters.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

The RayNeo Air 3s Pro glasses do not have a separate power button. They power on automatically when connected to a compatible device that provides power and video signal via USB-C. Disconnect the USB-C cable to power off.

4.2 Display Modes

The glasses feature HueView 2.0 technology with 6 optimized display modes to enhance your viewing experience.

- **Standard:** Default mode for general use.
- **Movie:** Optimized for film viewing with enhanced colors and contrast.
- **Gaming:** Settings for improved responsiveness and fluidity during gaming sessions.
- **Eye Protection:** Reduces visual fatigue by lowering blue light and utilizing high-frequency PWM dimming (3840 Hz).
- **Professional:** Offers accurate and neutral colors, suitable for image or video work.
- **Vision Boost:** Significantly increases brightness (up to 1200 nits), useful in bright environments or for content with dark scenes.

To switch between display modes, use the dedicated button on the left temple of the glasses.

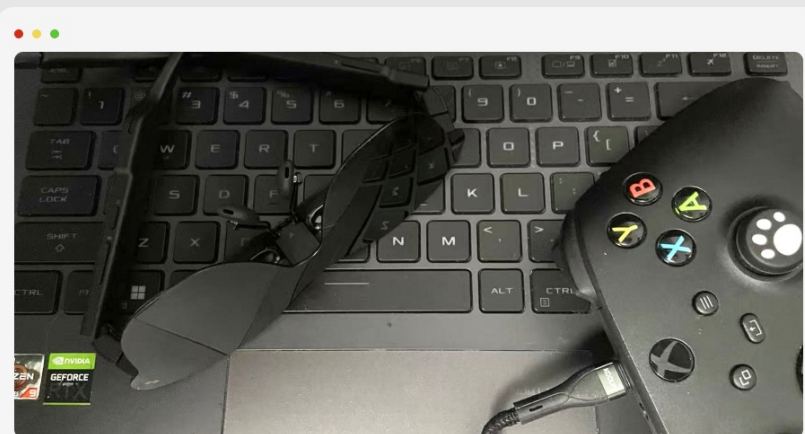


Image: Illustration of the HueView 2.0 Micro-OLED display and its six color modes.

4.3 Brightness Control

The RayNeo Air 3s Pro features 20 levels of brightness control. Use the dedicated button on the right temple to adjust the display brightness to your preference. The glasses offer up to 1200 nits of brightness for clear viewing in various lighting conditions.



Image: A visual representation of the 1200 nits brightness capability of the RayNeo Air 3s Pro.

4.4 Audio Features

The glasses integrate a four-speaker system with spatial audio algorithms for an immersive sound experience.

- **Spatial Audio:** Delivers theater-level surround sound that tracks your head movement.
- **Whisper Mode:** This feature focuses audio directly to your ears, minimizing sound leakage for private listening in public environments.

Adjust the volume using the dedicated button on the left temple.



Image: A user enjoying content with Whisper Mode 2.0, illustrating private audio experience.

4.5 Intuitive On-Device Controls

The RayNeo Air 3s Pro features intuitive controls located on the temples for easy access:

- **Right Temple:** Brightness control (20 levels).
- **Left Temple:** Volume adjustment and display mode switching.



Image: A detailed diagram highlighting the location and function of the brightness, volume, and mode control buttons on the glasses' temples.

5. MAINTENANCE

Proper care and maintenance will extend the lifespan of your RayNeo Air 3s Pro glasses.

- **Cleaning:** Use the provided cleaning cloth to gently wipe the lenses and frame. Avoid abrasive materials or harsh chemicals, which can damage the coatings.
- **Storage:** When not in use, store the glasses in their protective carrying case to prevent scratches and dust accumulation.
- **Avoid Liquids:** Do not expose the glasses to water or other liquids. They are not waterproof.
- **Temperature:** Avoid extreme temperatures. Store and operate the glasses within recommended environmental conditions.

6. TROUBLESHOOTING

If you encounter issues with your RayNeo Air 3s Pro glasses, refer to the following common solutions:

Problem	Possible Cause	Solution
No display/Black screen	• Not properly connected. • Connected device does not support DisplayPort output via USB-C. • Optional adapter (HDMI/USB-C) not powered or faulty.	• Ensure the USB-C cable is securely connected to both the glasses and the source device. • Verify your device supports DisplayPort Alt Mode over USB-C. • If using an adapter, ensure it is correctly connected and powered. Try a different adapter or cable if available.
Image is blurry or unclear	• Nose pads not correctly positioned. • Lenses are dirty. • Requires corrective lenses.	• Adjust the nose pads to ensure the display is centered and clear in your vision. • Clean the lenses with the provided cleaning cloth. • If you have vision correction needs, use the corrective lens frame with your prescription lenses.

Problem	Possible Cause	Solution
No sound or low volume	- Volume set too low on glasses or source device. - Audio output not routed to glasses.	- Increase volume using the button on the left temple of the glasses. - Check audio settings on your connected device to ensure sound is outputting to the glasses. - If using an adapter, ensure it supports audio passthrough.
Screen flickering or inconsistent brightness	- Faulty connection. - Software issue on source device. - Rare hardware defect (e.g., differing panel brightness).	- Reconnect the USB-C cable. - Try connecting to a different compatible device. - If the issue persists and appears to be a hardware defect (e.g., one eye brighter than the other), contact RayNeo customer support for assistance.

7. SPECIFICATIONS

Feature	Detail
Brand	RayNeo
Model Number	Air 3s Pro
Color	Black
Display Technology	Micro-OLED (HueView 2.0)
Resolution	1920 x 1080 per eye
Virtual Screen Size	201 inches (at 6 meters)
Brightness	1200 Nits
Refresh Rate	120 Hz
Contrast Ratio	200,000:1
Color Gamut	98% DCI-P3
Eye Comfort Features	Low Blue Light, Flicker-Free (3840Hz PWM Dimming), 20-level Brightness Control
Audio	Four-speaker spatial audio, Whisper Mode
Weight	76g
Connectivity Technology	DisplayPort (via USB-C), HDMI (with optional adapter)
Compatible Devices	Smartphones (iOS/Android with DP), Gaming Consoles (PS5, Xbox, Steam Deck), Personal Computers (Windows, Mac)
Sensors	Accelerometer, Gyroscope, Magnetometer

8. WARRANTY AND SUPPORT

8.1 Product Warranty

The RayNeo Air 3s Pro AR/XR Glasses come with a **1-year limited warranty** from the date of purchase. This warranty covers manufacturing defects and workmanship under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper maintenance. Please retain your proof of purchase for warranty claims.

8.2 Customer Support

For technical assistance, warranty claims, or further inquiries, please visit the official RayNeo support website or contact their customer service team.

- **RayNeo Official Website:** www.rayneo.com (Note: This is a placeholder URL, please replace with the actual support link if available.)
- **Online Support:** Check the support section on the RayNeo website for FAQs, troubleshooting guides, and contact forms.