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RayNeo XRGF37

RayNeo Air 3s Pro AR/XR Glasses User Manual

Model: XRGF37

INTRODUCTION

The RayNeo Air 3s Pro AR/XR Glasses are designed to provide an immersive visual and audio experience, featuring a high-brightness display and advanced sound technology. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your device.



Image: RayNeo Air 3s Pro AR/XR Glasses, showcasing the sleek design and integrated components.

PACKAGE CONTENTS

Before proceeding, ensure all items are present in the package:

- RayNeo Air 3s Pro AR/XR Glasses
- Carrying Case
- Cleaning Cloth
- User Manual (this document)
- Nose Pads (various sizes)
- USB-C Cable



Image: Contents of the RayNeo Air 3s Pro package, including the glasses, case, and accessories.

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

SETUP

Follow these steps for initial setup and connection:

1. Adjusting for Comfort:

- Select the appropriate nose pads for a comfortable fit. The glasses feature 3-level nose pad adjustments.
- Adjust the temples (arms) for a secure fit. There are 9 levels of adjustment for temples, allowing for over 30 degrees of loose-tight adjustments.
- Ensure the glasses sit comfortably on your face without excessive pressure. The balanced weight distribution (46.7%:53.3%) helps minimize pressure points.

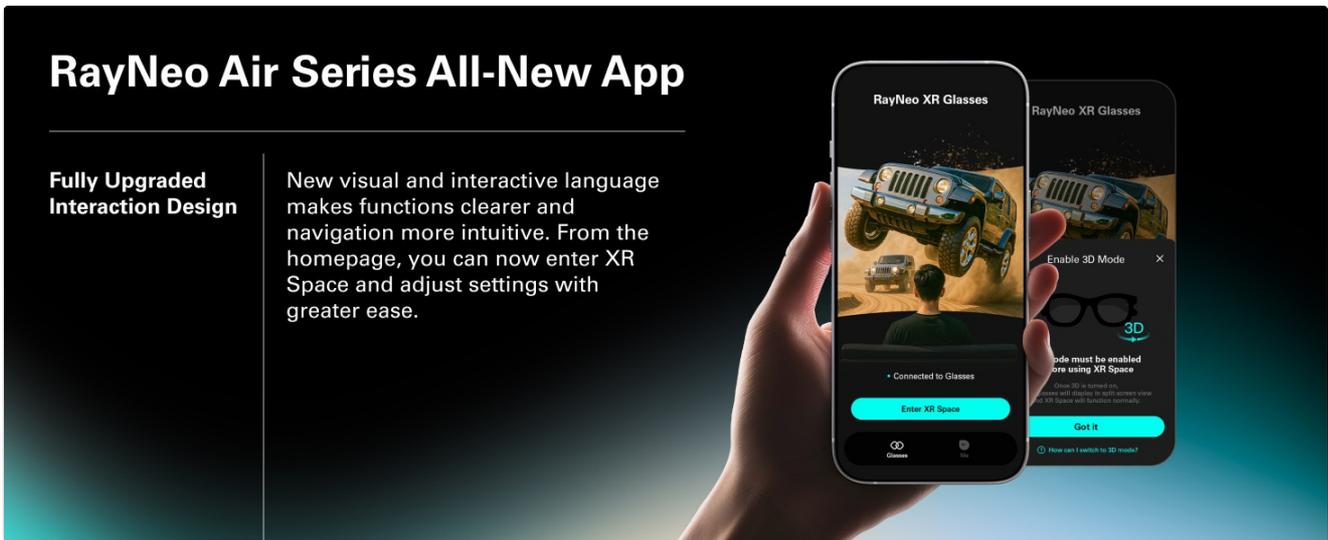


Image: Diagram illustrating the adjustable temples and nose pads for a tailored fit.

2. Connecting to Devices:

- **Direct Connection:** Connect the glasses directly to iOS/Android devices (DisplayPort supported), Nintendo Switch/Switch 2 (via JoyDock), PCs/PS5/Xbox via HDMI to glasses and charging adapter, and other devices with a video output port using the provided USB-C cable.
- **Optional Accessories:** For extended use or specific device compatibility, consider optional accessories:
 - **JoyDock:** For Nintendo Switch/Switch 2, providing power and video output.
 - **Pocket TV:** For accessing streaming services and apps.
 - **USB-C Adapter:** For PD 100W fast charging and reliable connection.
 - **HDMI Adapter:** For compatibility with PCs, PS5, Xbox, and other gaming consoles.

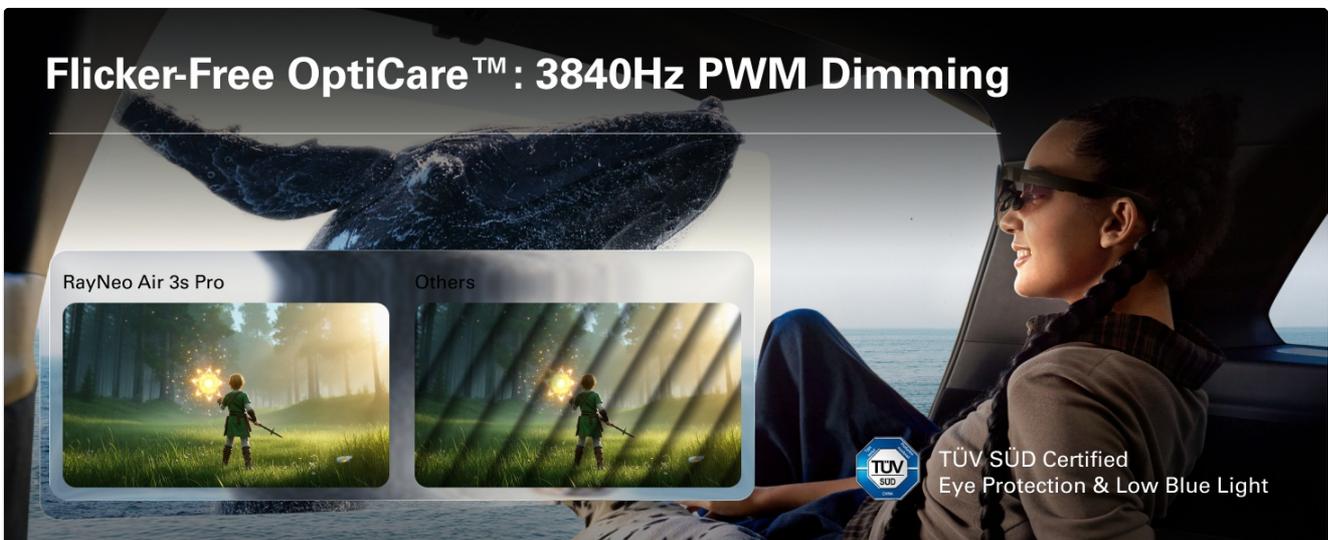


Image: Overview of device compatibility and optional accessories for the RayNeo Air 3s Pro.

OPERATING INSTRUCTIONS

The RayNeo Air 3s Pro offers various features for an optimized viewing and audio experience.

Display Features

- **Brightness:** The glasses feature 1,200 nits of to-eye brightness. Adjust the brightness using the on-device controls (20-level brightness control) for optimal viewing in various lighting conditions.
- **HueView 2.0 Micro-OLED Display:** Experience vivid visuals with 200,000:1 contrast and 98% DCI-P3 color gamut.
- **Viewing Modes:** Select from 6 optimized viewing modes: Standard, Movie, Game, Eye Protection, Professional, and Vision

Boost. These modes adjust color and display characteristics for different content types.

- **Eye Comfort:** Certified with TÜV SÜD Low Blue Light & Flicker-Free dual certification, and 3,840Hz high-frequency PWM dimming to reduce eye fatigue during extended use.
- **Virtual Screen Size:** Enjoy a perceived 201-inch virtual display at 6 meters distance for an immersive experience.

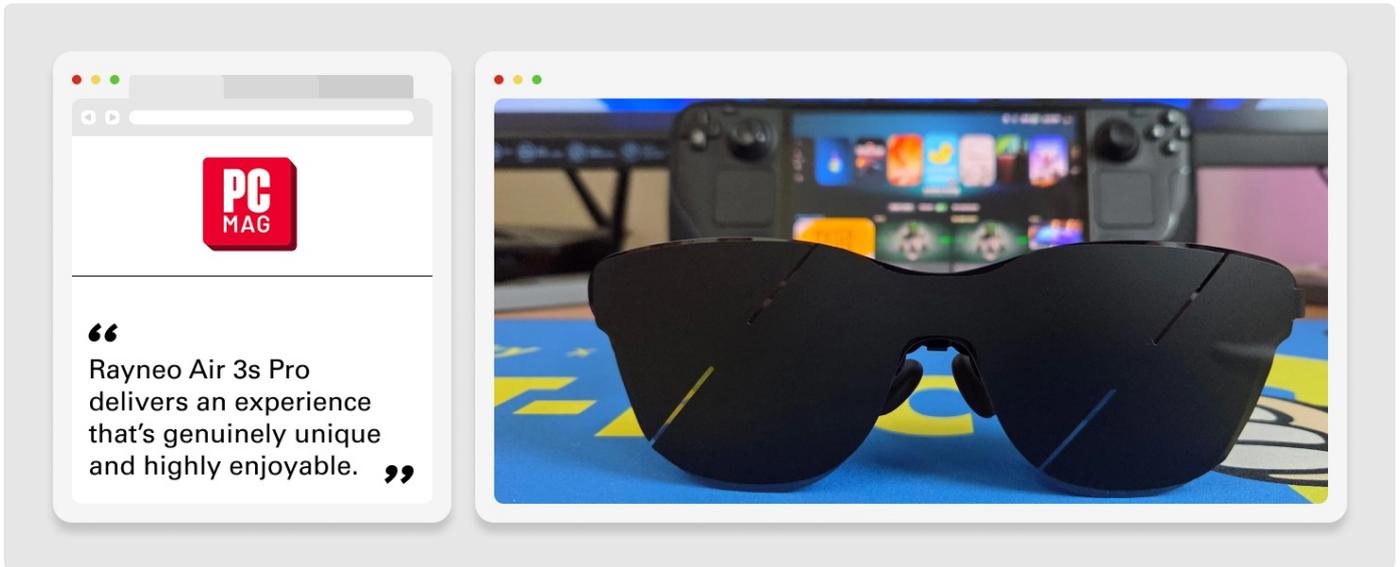


Image: Illustration of the 1200 nits brightness capability of the RayNeo Air 3s Pro.

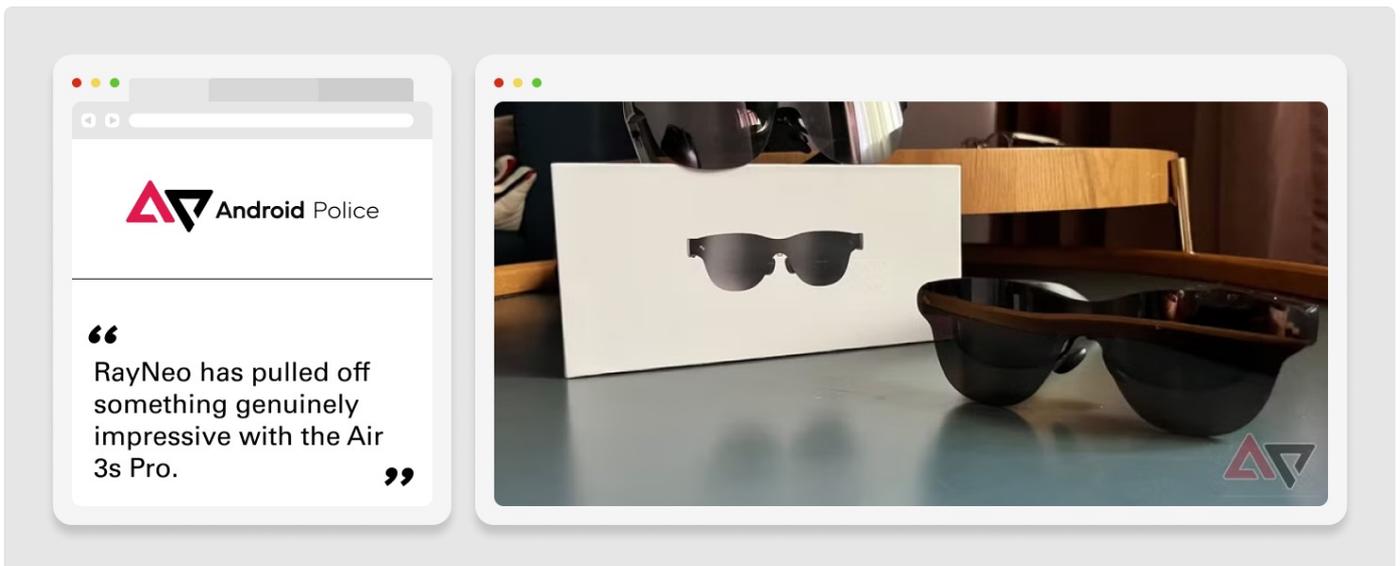


Image: Details on the HueView 2.0 Micro-OLED display technology, highlighting color contrast and accuracy.

	HueView™ 2.0	HueView™ 1.0	Others
Brightness	1200 nits	650 nits	600 nits
Color Space	98% DCI-P3	98% DCI-P3	85% DCI-P3
Glare Interference	10%	15%	20%
Color Mode	6 Modes	3 Modes	Single Mode
Color Contrast	200,000:1	200,000:1	100,000:1
Color Accuracy	$\Delta E < 2$	$\Delta E < 2$	$\Delta E < 3$

Image: Visual representation of the Flicker-free OptiCare technology and TÜV SÜD certification for eye protection.

Audio Features

- **Spatial Audio:** The self-developed quad-speaker system with spatial audio algorithms delivers surround sound that follows your head movement.
- **Whisper Mode™ 2.0:** For private listening, this mode focuses audio directly to your ears, minimizing sound leakage.

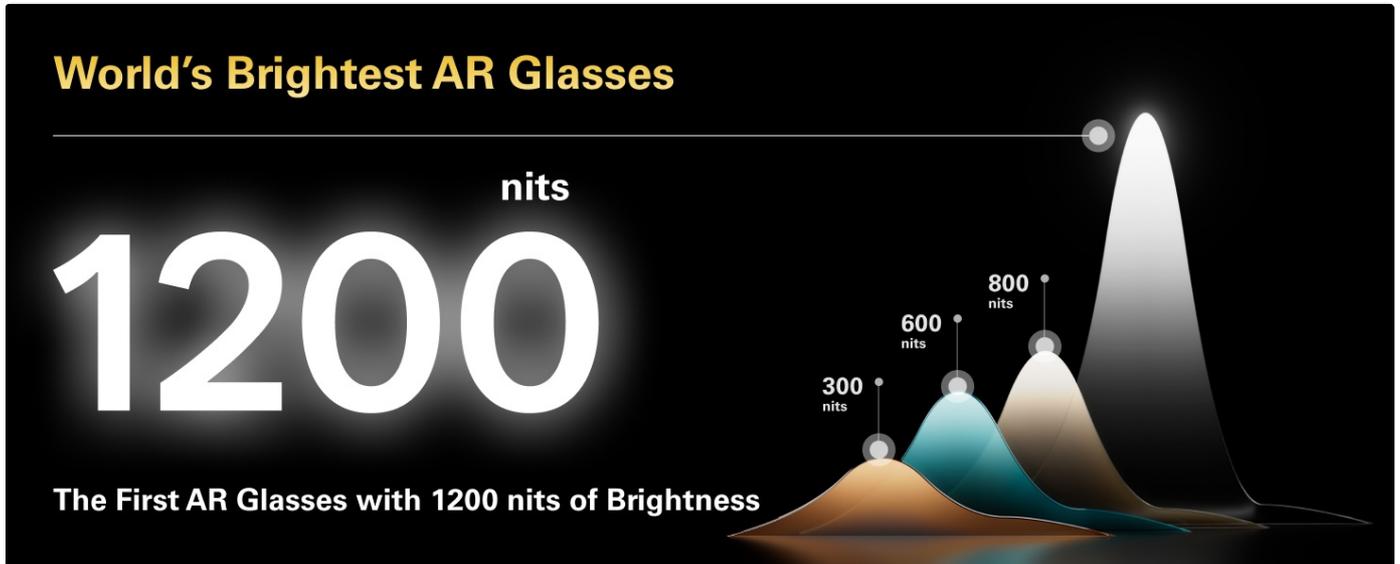


Image: Depiction of the spatial audio effect provided by the RayNeo Air 3s Pro's quad-speaker system.

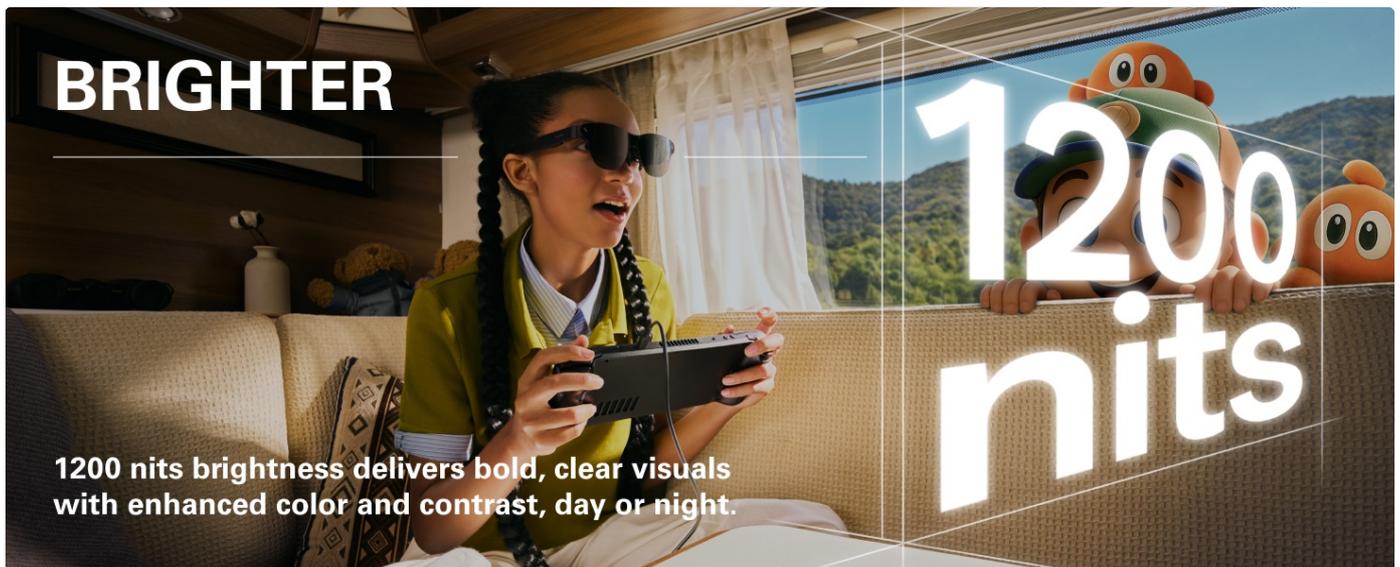


Image: Visual explanation of Whisper Mode 2.0, designed for private audio listening.

On-Device Controls

The glasses feature intuitive controls for easy adjustment:

- **Volume Control:** Adjust audio volume with dedicated buttons.
- **Viewing Mode Switch:** Toggle between different display modes.
- **Brightness Control:** Fine-tune display brightness with 20 levels of control.
- **USB-C Port:** For seamless connection and charging.



Image: Diagram showing the location and function of on-device controls for volume, viewing modes, and brightness.

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.
- **Storage:** When not in use, store the glasses in their protective carrying case to prevent scratches and damage.
- **Temperature:** Avoid exposing the glasses to extreme temperatures or direct sunlight for prolonged periods.
- **Water Exposure:** The glasses are not waterproof. Avoid contact with liquids.

TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No display or dim display	Low brightness setting, incorrect connection, insufficient power.	Increase brightness using on-device controls. Ensure the USB-C cable is securely connected to both the glasses and the source device. Verify the source device is powered on and outputting video.
No sound or low sound	Volume too low, Whisper Mode enabled, source device audio settings.	Increase volume using on-device controls. Check if Whisper Mode is active and adjust if necessary. Verify audio output settings on the connected device.
Uncomfortable fit	Incorrect nose pad size or temple adjustment.	Experiment with different nose pad sizes and adjust the temples (arms) to find the most comfortable and secure fit. Refer to the "Adjusting for Comfort" section.
Image not clear/blurry	Lenses are dirty, glasses not positioned correctly, prescription lens needed.	Clean the lenses with the provided cloth. Adjust the glasses on your face to ensure they are centered. If you have significant vision correction needs, consider custom prescription lenses (compatible with the glasses).
Device not recognized by source	Source device does not support DisplayPort over USB-C, cable issue.	Ensure your source device supports video output over USB-C (DisplayPort Alt Mode). Try a different USB-C cable. If using an adapter (HDMI, etc.), ensure it is functioning correctly.

SPECIFICATIONS

Feature	Detail
Model Number	XRGF37
Display Technology	HueView™ 2.0 Micro-OLED
Brightness	1200 nits (to-eye)
Virtual Screen Size	201 Inches (at 6m distance)
Resolution	1920 x 1080 Pixels (FHD 1080p)
Aspect Ratio	16:9
Color Contrast	200,000:1
Color Gamut	98% DCI-P3
Eye Comfort Certification	TÜV SÜD Low Blue Light & Flicker-Free
PWM Dimming Frequency	3,840Hz
Weight	76g (2.88 ounces)
Dimensions	8.78 x 4.09 x 4.06 inches (Package)
Manufacturer	RayNeo Co., Ltd.

WARRANTY AND SUPPORT

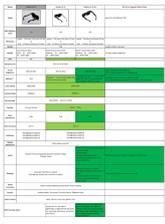
For warranty information and technical support, please contact RayNeo Co., Ltd. or refer to the official RayNeo website. Keep your proof of purchase for warranty claims.

Manufacturer: RayNeo Co., Ltd.

For further assistance, visit the [RayNeo Store on Amazon](#).

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Related Documents - XRGF37

	<p>RayNeo AR Glasses Comparison: Air 2s, Air 3s, and Air 3s Pro</p> <p>Detailed comparison of RayNeo Air 2s, Air 3s, and Air 3s Pro AR glasses, covering specifications, features, and choosing advice for optimal user experience.</p>
<p>Safety Information</p> <p>TO REDUCE THE RISK OF PERSONAL INJURY, DISCOMFORT OR PROPERTY DAMAGE, PLEASE ENSURE THAT YOU HAVE READ THE FOLLOWING SAFETY INFORMATION CAREFULLY BEFORE USING THE HEADSET IN THE GLASSES.</p> <ul style="list-style-type: none"> The glasses shall be used only in a safe environment. To prevent possible hearing damage, do not listen at high volume levels for long periods, unless in emergency. Do not use these glasses during activities or emergency work. If your glasses feel hot to touch or are uncomfortably warm, stop using them and allow them to cool down. Immediately stop using these glasses if you are experiencing any of the following: <ul style="list-style-type: none"> Headaches or dizziness Nausea or vomiting Eye strain or irritation Blurry vision Excessive sweating Excessive heat Excessive noise Excessive vibration Excessive motion sickness Excessive motion blur Excessive motion sickness Excessive motion blur Keep the glasses away from any liquid as they are not waterproof. Do not use these glasses while driving or operating any machinery. Do not use these glasses if you are sick, fatigued, under the influence of medication/drugs, or are generally feeling unwell. 	<p>RayNeo Air 3s Pro Glasses Safety and General Information</p> <p>Comprehensive safety, general, and regulatory information for the RayNeo Air 3s Pro smart glasses, including usage guidelines, warnings, manufacturer details, and compliance statements.</p>

 <p>RayNeo RayNeo Air 2 User Manual 사용 설명서 說明書 Mode d'emploi Manual del usuario Manuale dell'utente Instrukcja obsługi Инструкция по эксплуатации 使用说明书 Прочитайте внимательно</p>	<p>RayNeo Air 2 Smart Glasses User Manual</p> <p>A comprehensive user manual for the RayNeo Air 2 smart glasses, covering setup, features, operations, and safety information in multiple languages.</p>
 <p>RayNeo RayNeo Air 2s User Manual 사용 설명서 說明書 Mode d'emploi Manual del usuario Manuale dell'utente Instrukcja obsługi Инструкция по эксплуатации 使用说明书 Прочитайте внимательно</p>	<p>RayNeo Air 2s User Manual</p> <p>User manual for the RayNeo Air 2s smart glasses, covering setup, features, and safety information.</p>
 <p>戒指使用手册 RayNeo Ring user manual</p>	<p>RayNeo Ring User Manual - Setup, Features, and Specifications</p> <p>Comprehensive user manual for the RayNeo Ring, detailing setup, charging, wearing, operation, and product specifications. Learn how to use your RayNeo Ring effectively.</p>
<p>Safety Information</p> <p>TO REDUCE THE RISK OF PERSONAL INJURY, DISCOMFORT OR PROPERTY DAMAGE, PLEASE ENSURE THAT YOU HAVE READ THE FOLLOWING SAFETY INFORMATION CAREFULLY BEFORE USING THE RayNeo Air 3s PRO GLASSES.</p> <ul style="list-style-type: none"> The glasses should be used only in a safe environment. <ul style="list-style-type: none"> To prevent possible hearing damage, do not listen at high volume levels for long periods. Do not use these glasses during sudden or intensive activity. If the glasses feel hot to touch or are abnormally warm, stop using them and allow them to cool down. <ul style="list-style-type: none"> Immediately stop using these glasses if you are experiencing eye strain or discomfort. If the glasses are damaged in any way, stop use immediately. Keep the glasses away from any liquid as they are not waterproof. Consult your doctor before using these glasses. Do not use these glasses if you are sick, fatigued, under the influence of intoxicants/drugs, or are generally feeling unwell. 	<p>RayNeo Air 3s Pro Glasses Safety and General Information</p> <p>Comprehensive safety, general, and regulatory information for the RayNeo Air 3s Pro smart glasses, including usage guidelines, warnings, manufacturer details, and compliance statements.</p>