

ASUS M1

ASUS AirVision M1 Smart AR Glasses: User Manual

Model: M1

1. INTRODUCTION

The ASUS AirVision M1 Smart AR Glasses are a wearable display device designed to provide an expansive and immersive visual experience. This device integrates a 100-inch virtual Micro-OLED display with 1100 nits brightness and 95% DCI-P3 color gamut, offering clear and vibrant visuals for both productivity and entertainment. The glasses feature multi-screen capabilities, built-in speakers, and a noise-canceling microphone, connecting via USB-C to a variety of compatible devices.

Key features include:

- Up to a 100-inch virtual display with 1,100 nits brightness and 95% DCI-P3 color gamut.
- Multi-screen functionality for enhanced productivity.
- Seamless integration with devices supporting USB-C with DisplayPort Alt-Mode or Thunderbolt 4.
- Built-in speakers and a noise-canceling microphone.
- Lightweight design (87g) with high transparency for situational awareness.
- Customizable viewing experience via the AirVision App, including screen distance and pupil distance adjustments.



Figure 1.1: ASUS AirVision M1 Smart AR Glasses.

Your Window to a Bigger World

Up to
100"
Display

Optimized
Windows Devices
Like Laptop & ROG Ally

1,100
Nits

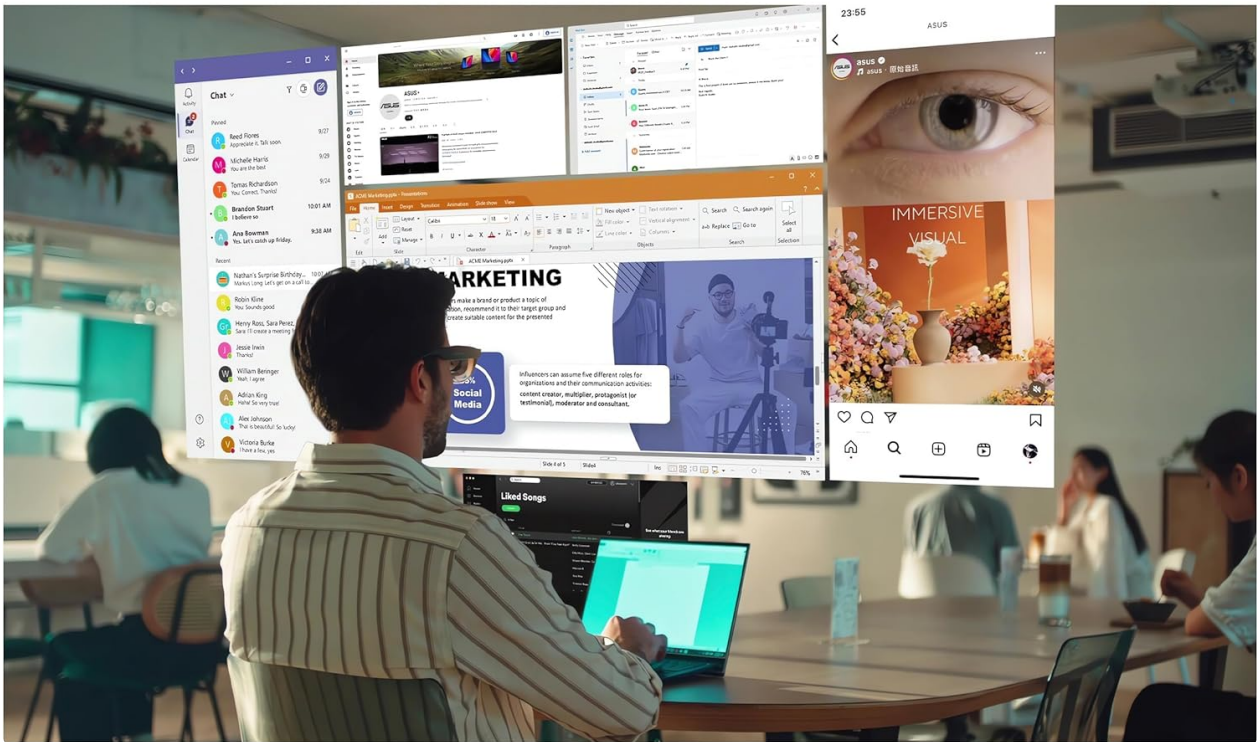


Figure 1.2: Overview of ASUS AirVision M1 display capabilities, including 100-inch display, 1100 nits brightness, and optimization for Windows devices.

2. WHAT'S IN THE BOX

Verify that all items are present in the package:

- ASUS AirVision M1 Glasses
- Carrying case
- USB-C cable
- Warranty card
- Quick Start Guide (QSG)
- User manual (Web)
- Cleaning cloth
- Prescription lens module (optional, included)
- Light shield
- Nose pads (2 pairs)

What's in the box



ASUS AirVision M1



Carrying Case



USB-C Charging Cable



Light Shield



2 x Nose Pads

Figure 2.1: All components included in the ASUS AirVision M1 package.





USB-C Cable

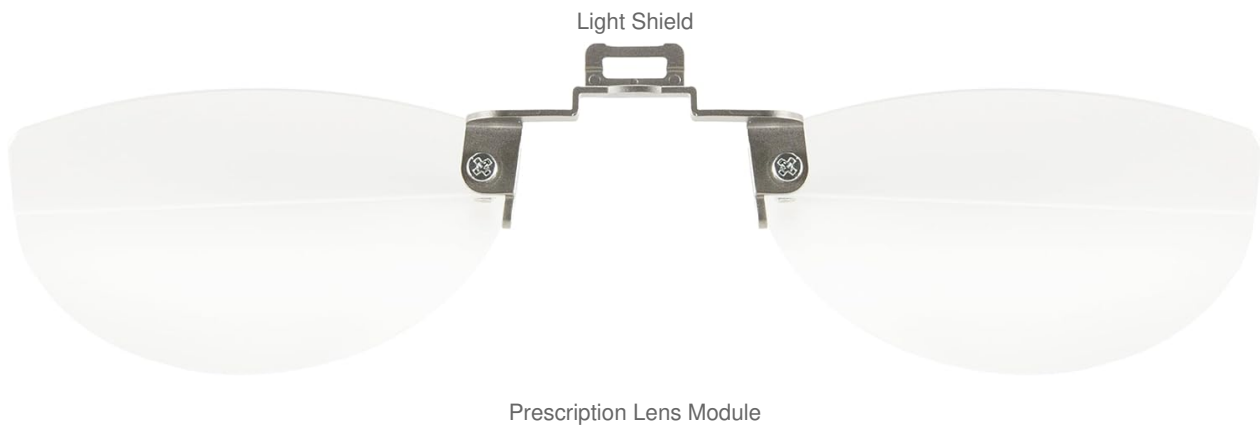


Carrying Case



Nose Pads





3. SETUP

3.1 Fitting the Glasses

1. **Choose the Correct Nose Pads:** Select the nose pads that provide the most comfortable and stable fit on your nose. Gently attach them to the glasses.
2. **Install Prescription Lens Module (if applicable):** If you require corrective lenses, attach the prescription lens module to the designated area on the glasses.
3. **Adjust for Clear View:** Once worn, ensure the glasses are positioned to achieve a clear and focused image. Minor adjustments to the nose pads or the glasses' position on your face may be necessary.

3.2 Attaching the Light Shield

For enhanced immersion or to reduce external light interference, attach the magnetic light shield to the front of the glasses. The shield will snap into place magnetically.

3.3 Initial Connection and Software Installation

1. **Connect to Device:** Use the provided USB-C cable to connect the ASUS AirVision M1 glasses to a compatible device (e.g., laptop, ROG Ally, smartphone, tablet). Ensure your device supports USB-C with DisplayPort Alt-Mode or Thunderbolt 4.
2. **Install AirVision App:** For full functionality, including multi-screen setups and advanced display adjustments, install the ASUS AirVision App on your Windows-based device. The app can typically be found on the official ASUS support website for the AirVision M1.
3. **First-Time Setup in App:** Follow the on-screen instructions within the AirVision App to calibrate screen distance and pupil distance for optimal viewing comfort.

4. OPERATING THE GLASSES

4.1 Connecting to Compatible Devices

The AirVision M1 glasses connect via a single USB-C cable. This connection provides both power and video signal. Ensure your host device has a USB-C port that supports DisplayPort Alt-Mode or Thunderbolt 4 for video output.

- **PC/Laptop:** Connect directly to a compatible USB-C port.
- **ROG Ally/Steam Deck:** Connect directly for an enhanced portable gaming experience.
- **Smartphones/Tablets:** Compatible with select Android and iOS devices (iPhone 15/16) that support USB-C video output.



Figure 4.1: The ASUS AirVision M1 offers seamless compatibility with a range of Type-C Alt mode devices.

4.2 Using the AirVision App (Windows Only)

The AirVision App provides advanced customization and multi-screen management for Windows devices.

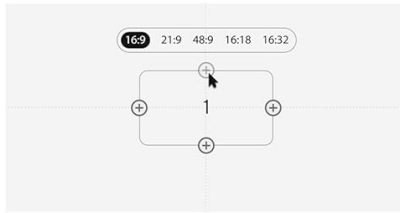
- **Multi-screen Setup:** Arrange multiple virtual screens for enhanced productivity. You can position and resize screens as needed.
- **Screen Distance Adjustment:** Fine-tune the perceived distance of the virtual screen for optimal comfort.
- **Pupil Distance Customization:** Adjust the display to match your individual pupil distance for a clearer image.
- **Viewing Modes:** Switch between various modes tailored for different usage scenarios, such as:
 - **Working Mode:** Optimized for multi-tasking with several virtual displays.
 - **Gaming Mode:** Provides an immersive, wide-screen experience for gaming.
 - **Infinity Mode:** Offers a vast, expansive virtual environment.

AirVision App

Personalized Viewing Experience

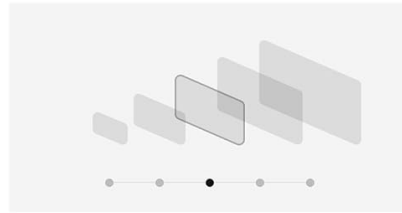
Multiscreen Setup

Easily arrange multiple screens and control different aspects.



Adjust Screen Distance

Find the perfect screen size and distance for your comfort.



Pupil Distance Adjustment

Simple adjustment for individual pupil distances.

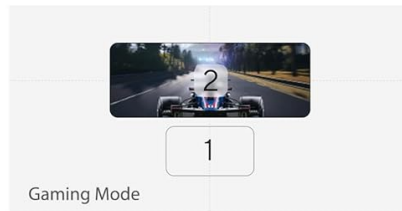


Different Modes

Switch between modes for various usage scenarios, and save your favorite layouts.



Working Mode



Gaming Mode

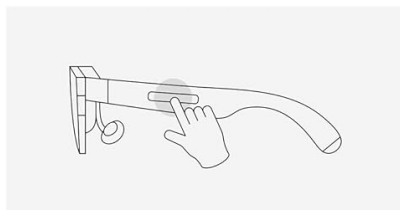


Infinity Mode

Intuitive and Easy Adjustments

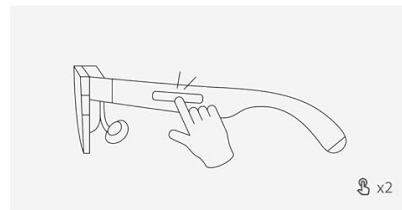
Center Virtual Screen

One-finger tap once



Switch Viewing Modes

One-finger double tap



Brightness Adjustment

One-finger swipe

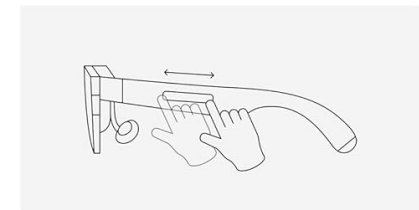


Figure 4.2: AirVision App interface showing options for multiscreen setup, screen distance, pupil distance, and different viewing modes.

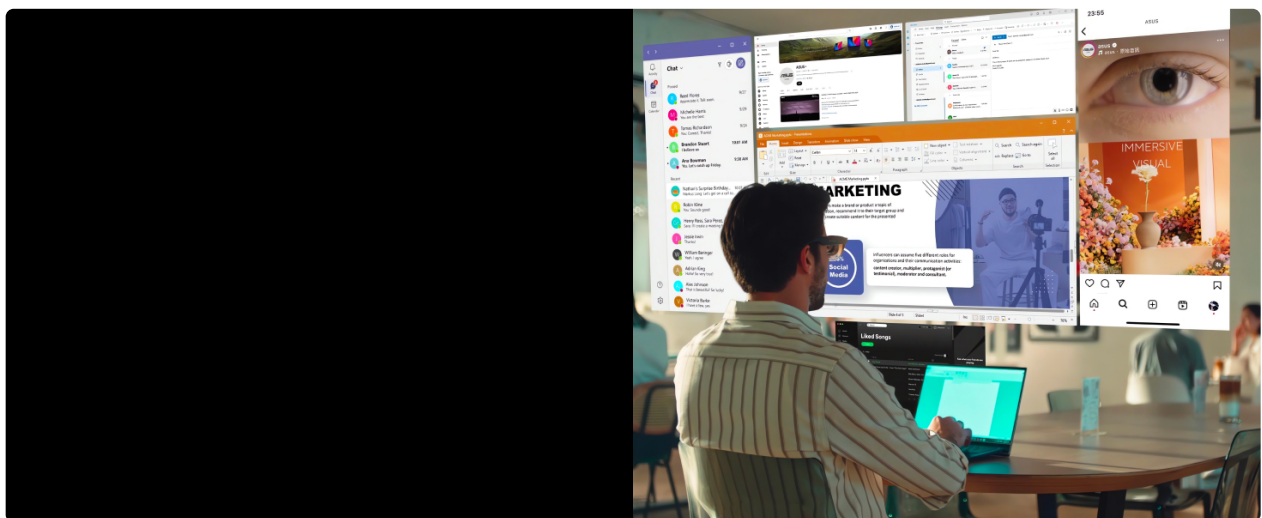


Figure 4.3: Example of a multi-screen work environment using the AirVision M1 glasses.

4.3 Gesture Controls

The glasses feature intuitive gesture controls for quick adjustments (requires AirVision App for full functionality):

- **Center Virtual Screen:** One-finger tap on the temple to re-center the display.
- **Switch Viewing Modes:** One-finger double tap to cycle through available viewing modes.
- **Brightness Adjustment:** One-finger swipe on the temple to adjust display brightness.



Figure 4.4: Visual guide to gesture controls for screen centering, mode switching, and brightness adjustment.

4.4 Audio Features

The AirVision M1 glasses include built-in speakers for audio output and a noise-canceling microphone for communication. These are designed for convenience during use, whether for calls, gaming, or media consumption.

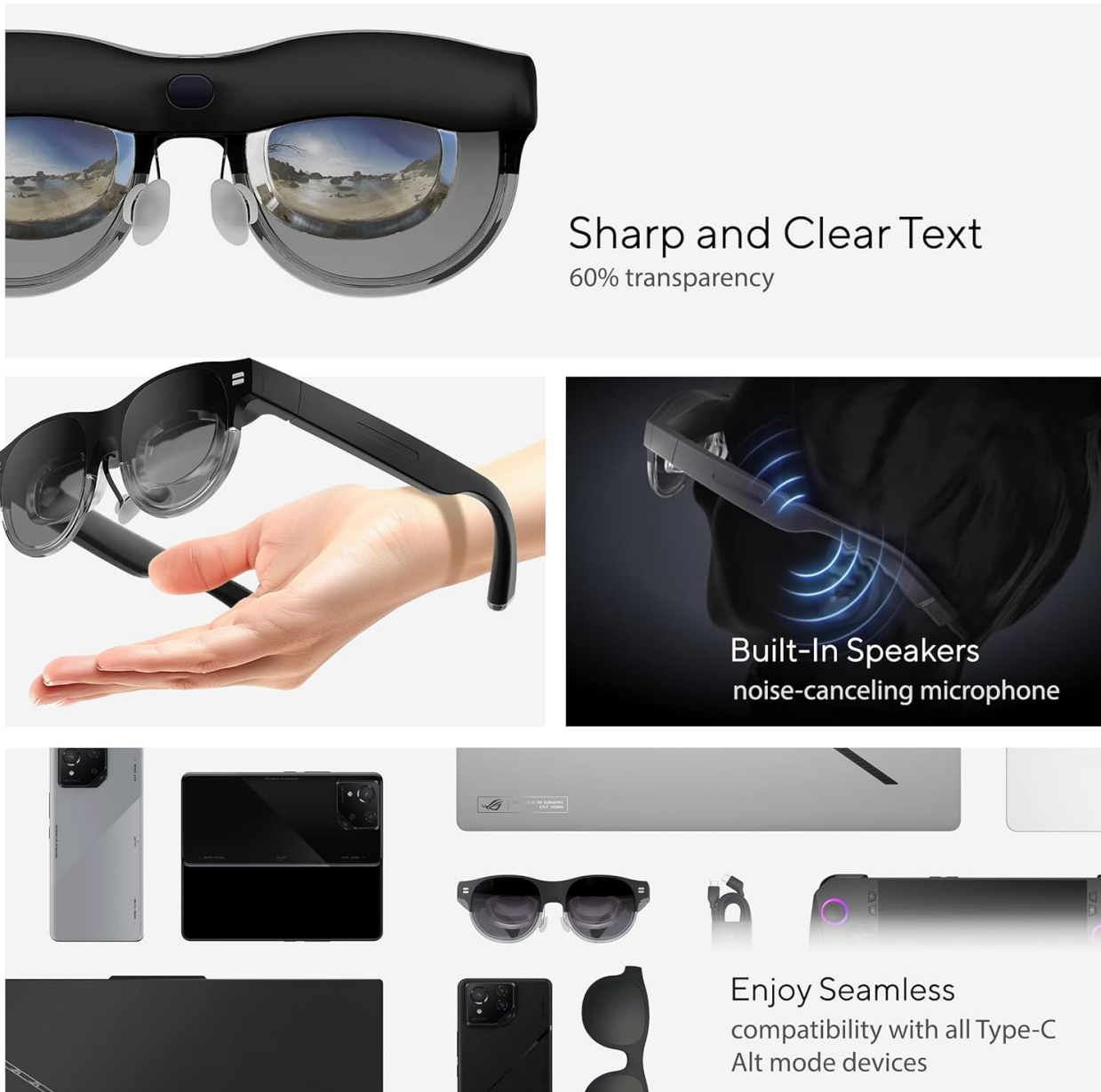
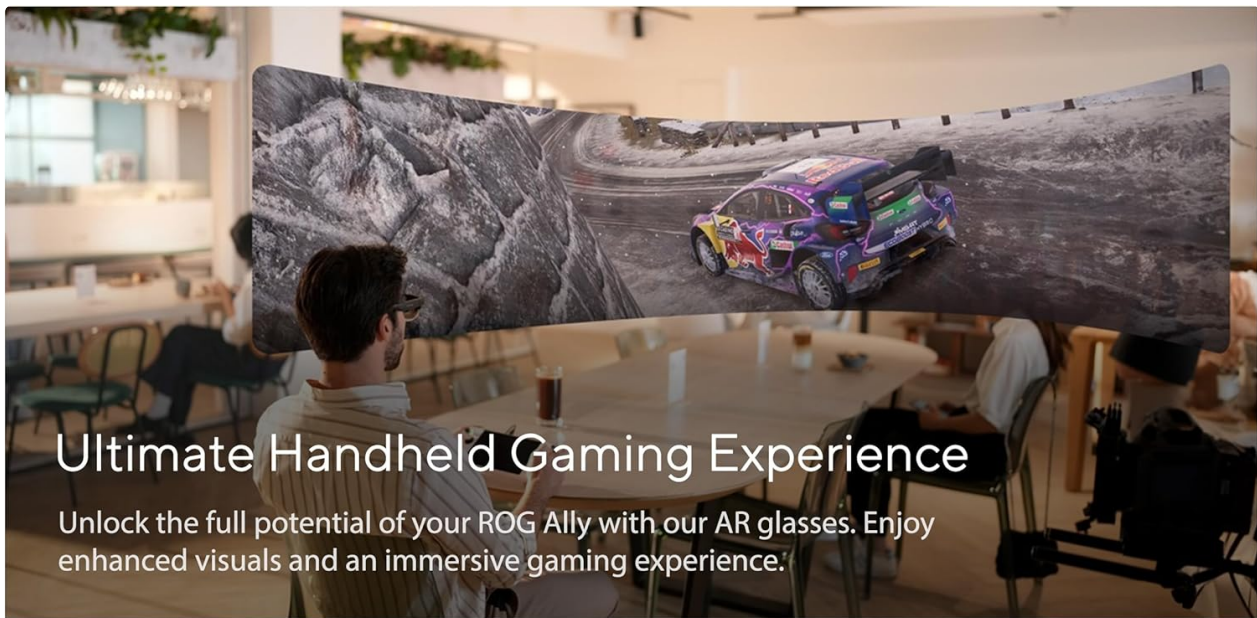
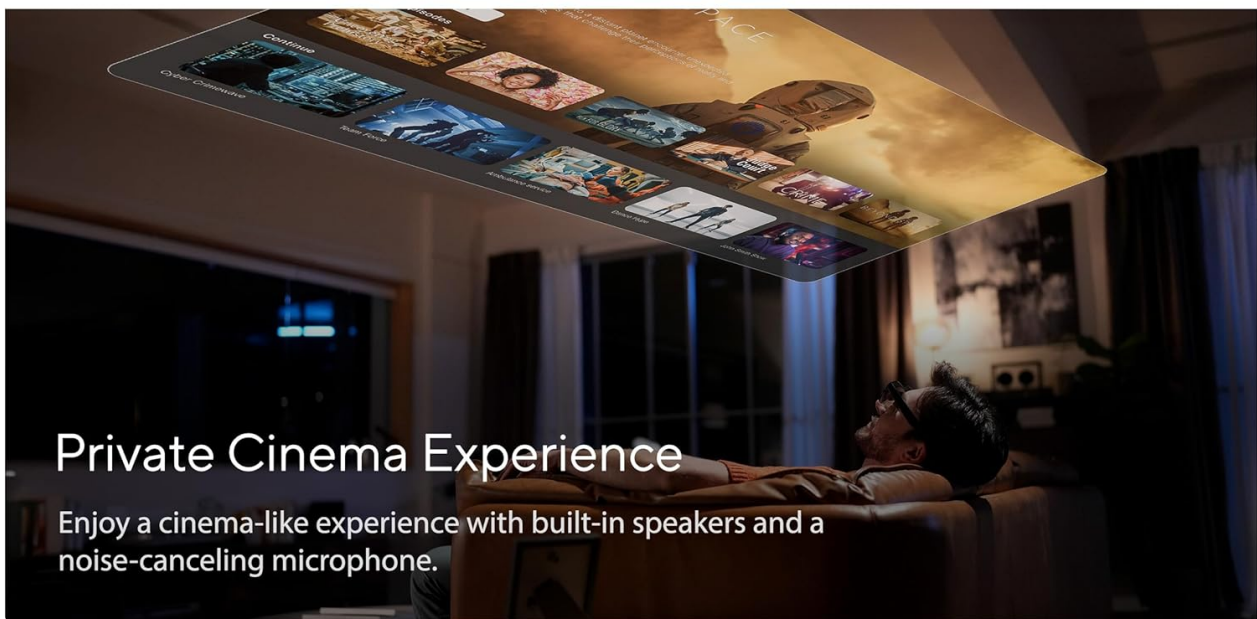


Figure 4.5: The glasses feature built-in speakers and a noise-canceling microphone for integrated audio.



Ultimate Handheld Gaming Experience

Unlock the full potential of your ROG Ally with our AR glasses. Enjoy enhanced visuals and an immersive gaming experience.



Private Cinema Experience

Enjoy a cinema-like experience with built-in speakers and a noise-canceling microphone.

Figure 4.6: The AirVision M1 provides an immersive experience for gaming and private media viewing.

5. MAINTENANCE

5.1 Cleaning

- **Lenses:** Use the provided cleaning cloth or a soft, lint-free microfiber cloth specifically designed for optics. Gently wipe the lenses to remove dust and smudges. Do not use abrasive materials, paper towels, or harsh chemical cleaners, as these can scratch or damage the lens coatings.
- **Frame:** Wipe the frame with a soft, damp cloth. Avoid getting moisture into any openings or ports.
- **USB-C Port:** Ensure the USB-C port is free of dust and debris. Use a dry, soft brush if necessary.

5.2 Storage

- When not in use, store the glasses in the provided carrying case to protect them from dust, scratches, and impacts.
- Store the glasses in a cool, dry place, away from direct sunlight and extreme temperatures.

6. TROUBLESHOOTING

If you encounter issues with your ASUS AirVision M1 glasses, refer to the following common troubleshooting steps:

- **No Display or Blurry Image:**
 - Ensure the USB-C cable is securely connected to both the glasses and the host device.
 - Verify that your host device's USB-C port supports DisplayPort Alt-Mode or Thunderbolt 4.
 - Adjust the glasses' position on your face and try different nose pads for a better fit.
 - Use the AirVision App to adjust the pupil distance (IPD) and screen distance settings for optimal clarity. Individual eye differences can significantly impact perceived image quality.
 - Clean the lenses with the provided cleaning cloth.
- **No Audio or Poor Audio Quality:**
 - Check your host device's audio output settings to ensure the AirVision M1 is selected as the output device.
 - Adjust the volume on both the host device and using the gesture controls on the glasses.
 - Ensure the USB-C connection is stable.
- **AirVision App Not Functioning Correctly:**
 - Ensure you have the latest version of the AirVision App installed from the official ASUS website.
 - Restart the AirVision App and reconnect the glasses.
 - Verify that your operating system is up to date.
- **Glasses Not Recognized by Device:**
 - Try connecting the glasses to a different USB-C port or a different compatible device to isolate the issue.
 - Ensure your device's drivers are up to date.

7. SPECIFICATIONS

Feature	Detail
Model Number	M1
Brand	ASUS
Display Resolution	1920 x 1080 (Full HD)
Display Type	Micro-OLED
Brightness	1100 nits
Color Gamut	95% DCI-P3
Connectivity Technology	USB-C cable (DisplayPort Alt-Mode / Thunderbolt 4 compatible)
Special Features	Built-In Speaker, Micro OLED, Portable, Noise-Canceling Mic, Ambient Light Sensor

Feature	Detail
Recommended Uses	Business, Gaming, Personal
Item Weight	3.2 ounces (approx. 90.7g)
Package Dimensions	8.86 x 5.47 x 4.33 inches

8. WARRANTY AND SUPPORT

8.1 Warranty Information

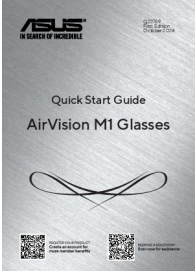

The ASUS AirVision M1 Smart AR Glasses come with a manufacturer's warranty. Please refer to the warranty card included in your product package for specific terms, conditions, and duration of coverage. Keep your proof of purchase for warranty claims.


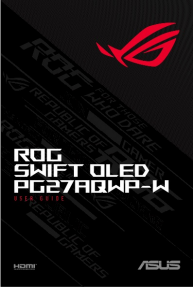


8.2 Technical Support

For technical assistance, product updates, or further information, please visit the official ASUS support website. You can find drivers, FAQs, and contact information for customer service there.

ASUS Support Website: www.asus.com/support/

Related Documents - M1

	<p>ASUS AirVision M1 Glasses Quick Start Guide</p> <p>Get started with your ASUS AirVision M1 Glasses. This quick start guide from ASUS offers essential setup instructions, feature overviews, and safety information for the AirVision M1 smart glasses.</p>
	<p>ASUS MQ16AHE ZenScreen OLED</p> <p>ASUS MQ16AHE ZenScreen OLED</p>

	<p>ASUS ROG Swift OLED PG39WCDM User Guide</p> <p>Comprehensive user guide for the ASUS ROG Swift OLED PG39WCDM monitor, detailing setup, features, OSD navigation, gaming enhancements like GameVisual and Aura Sync, specifications, and troubleshooting tips.</p>
	<p>ASUS ROG Swift OLED PG27AQWP-W Gaming Monitor User Guide</p> <p>This user guide provides comprehensive instructions and specifications for the ASUS ROG Swift OLED PG27AQWP-W gaming monitor, covering setup, features like GamePlus and GameVisual, OSD menu navigation, troubleshooting, and technical details.</p>
	<p>ROG SWIFT OLED PG32UCDMR: Руководство пользователя ASUS</p> <p>Подробное руководство пользователя для игрового OLED-монитора ASUS ROG SWIFT OLED PG32UCDMR. Информация о настройке, функциях, технических характеристиках и устранении неполадок.</p>
	<p>ROG Strix OLED XG27AQDPG Игровой Монитор Руководство Пользователя</p> <p>Подробное руководство пользователя для игрового монитора ASUS ROG Strix OLED XG27AQDPG, охватывающее настройку, функции, технические характеристики и устранение неполадок.</p>