

## ASUS ASUS ROG Ally 7

# ASUS ROG Ally User Manual

Model: ASUS ROG Ally 7

## 1. INTRODUCTION

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The ASUS ROG Ally is a powerful 7-inch handheld gaming PC designed to deliver an exceptional gaming experience on the go. Featuring a 120Hz Full HD 1080p touchscreen display with AMD FreeSync Premium, it ensures stunningly beautiful visuals without tearing or stuttering. Powered by the latest AMD Ryzen Z1 Extreme processor and equipped with 16GB RAM and a 512GB NVMe PCIe 4 M.2 SSD, the ROG Ally offers incredible performance and ample storage for your favorite games. It runs on Windows 11, providing access to a vast library of PC, console, and mobile games across various platforms like Steam, Xbox Game Pass, Epic Launcher, and more.



Figure 1: Front view of the ASUS ROG Ally handheld gaming PC.

## 2. PRODUCT OVERVIEW

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The ROG Ally is engineered with gaming needs in mind, incorporating ROG DNA for powerful and efficient performance. Its ergonomic design ensures comfortable handling for various hand sizes, making extended gaming sessions enjoyable.

# Endless gameplay

The ROG Ally is fully compatible with multiple game libraries, including Game Pass, Epic, GOG, and more.



Figure 2: The ASUS ROG Ally highlighting its ROG DNA design philosophy.

## 2.1 Key Features

- AMD Ryzen Z1 Extreme Octa-Core Processor for groundbreaking computational power.
- 1920 x 1080 FHD 120Hz Display with AMD FreeSync Premium for crisp and clear visuals.
- 16 GB LPDDR5 RAM for blazing fast memory and multitasking.
- 512GB NVMe PCIe 4 M.2 SSD for ample and snappy storage, easily upgradeable.
- UHS-II MicroSD card slot for expanded storage options.
- Built-in Fingerprint Sensor for secure and quick access.
- Custom dual fans, dust filters, and heatpipes for ROG Intelligent Cooling.
- Dual front-firing Smart Amp speakers with Dolby Atmos and Two-Way AI Noise Cancellation for immersive audio.

# Ergonomically designed

Perfectly formed for every hand size and ergonomically designed to comfortably fit your fingers.



Figure 3: Internal specifications of the ASUS ROG Ally, emphasizing its powerful components.



Custom dual fans, dust filters, and heatpipes work harmoniously together to sustain peak performance while keeping fan noise low.

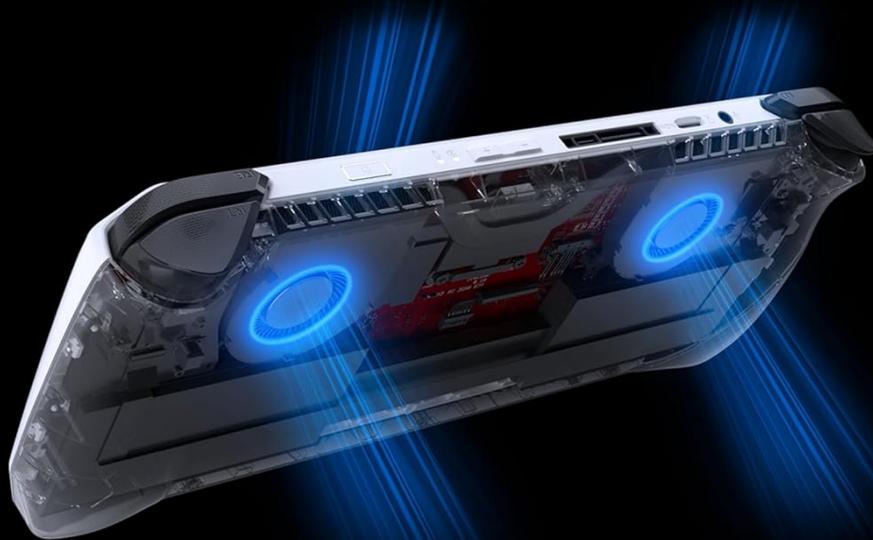


Figure 4: Details of the ROG Ally's 7-inch Full HD display and its visual technologies.

## 2.2 Ports and Controls

The ROG Ally features intuitively placed ports and controls for seamless interaction.

- **Power Key:** Integrated with a built-in fingerprint sensor for secure login.
- **Volume buttons:** For adjusting audio levels.
- **XG Mobile Interface:** For connecting to external ROG XG Mobile eGPUs.
- **USB 3.2 Gen 2 Type-C:** Multi-functional port for charging, data transfer, and display output.
- **Micro SD card reader:** Supports UHS-II MicroSD cards for expanded storage.
- **Headphone Jack:** For audio output.

# GAME PASS

Receive access to hundreds of games with Xbox Game Pass Ultimate!  
A 90 day subscription is included with every ROG Ally.



\*Terms and conditions apply, refer to product page for more details.

Figure 5: Side view illustrating the various ports and buttons on the ROG Ally.

## 3. SETUP

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### 3.1 Initial Charging

Before first use, ensure your ROG Ally is fully charged using the provided 65W power adapter. Connect the USB-C cable to the device's USB-C port and plug the adapter into a power outlet. The power indicator light will show charging status.

### 3.2 Power On and Initial Configuration

Press and hold the Power Key until the ROG logo appears on the screen. Follow the on-screen prompts to complete the initial Windows 11 setup, including language selection, network connection, and user account creation. The touchscreen interface will guide you through the process.

## 4. OPERATING THE ROG ALLY

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## 4.1 Controls and Navigation

The ROG Ally combines traditional gamepad controls with a full Windows 11 touchscreen interface. Use the analog sticks and buttons for gaming, and the touchscreen for navigating the Windows desktop and applications.



Figure 6: The ROG Ally in use, demonstrating its integrated controls and vibrant display.

## 4.2 Gaming Experience

The ROG Ally is compatible with various game launchers and platforms. You can install games from Steam, Xbox Game Pass, Epic Games Launcher, GOG Galaxy, and more. The Armoury Crate SE software provides a centralized hub for your game library, system settings, and performance profiles.

# Immersive audio

Dual front-firing Smart Amp speakers with Dolby Atmos immerse you directly in your games, while Two-Way AI Noise Cancellation software filters background noises from your voice chats.

DUAL  
**Smart Amp**  
Speakers

**Dolby**  
ATMOS

Hi-Res  
AUDIO



Figure 7: The ROG Ally's game library interface, showing compatibility with multiple platforms.

## 4.3 Performance Modes

Adjust performance modes via Armoury Crate SE to optimize for battery life or maximum performance. Modes include Silent, Performance, and Turbo, allowing you to balance fan noise, power consumption, and gaming fidelity.

# Stunningly beautiful visuals

Games are crisp and clear thanks to its 7-inch Full HD display at a smooth 120hz refresh rate with AMD Free Sync Premium support.

Up to  
**120Hz**  
Refresh rate

Full HD  
**1080p**

7-inch  
**Touch Panel**

Response Time  
**7ms**

Wide Color Gamut  
**sRGB 100%**

AMD  
**FreeSync**  
Premium



Figure 8: The back of the ROG Ally, illustrating its cooling system designed for sustained performance.

## 5. MAINTENANCE

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### 5.1 Cleaning

Regularly clean the device with a soft, dry cloth. For the screen, use a microfiber cloth specifically designed for electronics. Avoid using harsh chemicals or abrasive materials. Keep the cooling vents clear of dust and debris to ensure optimal airflow.

### 5.2 Storage

When not in use, store the ROG Ally in a cool, dry place away from direct sunlight and extreme temperatures. Consider using a protective case to prevent scratches and impacts.

## 6. TROUBLESHOOTING

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### 6.1 Common Issues

- **Device not powering on:** Ensure the device is fully charged. If connected to power, try a different outlet or charger.
- **Poor gaming performance:** Check performance mode in Armoury Crate SE (ensure it's on Performance or Turbo). Close background applications. Ensure drivers are up to date.
- **Overheating:** Ensure cooling vents are not obstructed. Reduce performance mode if necessary.
- **Wi-Fi connectivity issues:** Restart the device and your router. Check Wi-Fi settings in Windows.

## 6.2 Software Updates

Regularly check for Windows updates and Armoury Crate SE updates to ensure optimal performance and access to the latest features and bug fixes. Updates can be found in Windows Settings and within the Armoury Crate SE application.

## 7. SPECIFICATIONS

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Feature	Detail
Model	ASUS ROG Ally 7
Processor	AMD Ryzen Z1 Extreme Octa-Core Processor
Display	7" 120Hz FHD 1080p Touchscreen with AMD FreeSync Premium
RAM	16 GB LPDDR5
Storage	512GB NVMe PCIe 4 M.2 SSD, UHS-II MicroSD card slot
Operating System	Windows 11
Dimensions	11 x 4.4 x 0.8 inches
Weight	1.1 Pounds
Battery	1 Lithium Ion battery (included)

## 8. WARRANTY AND SUPPORT

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For detailed warranty information and technical support, please refer to the official ASUS website or the documentation included in your product packaging. You can also visit the [ASUS Store on Amazon](#) for additional resources and contact information.