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ASUS ROG Ally

ASUS ROG Ally Gaming Handheld User Manual

Model: ROG Ally

1. PRODUCT OVERVIEW

The ASUS ROG Ally is a powerful portable gaming handheld designed to deliver a console-like experience with the versatility of a Windows 11 PC. It features a 7-inch 120Hz touchscreen IPS display, an AMD Ryzen Z2 A processor, 16GB of LPDDR5X RAM, and a 512GB SSD, making it suitable for a wide range of PC games on the go.



Figure 1: ASUS ROG Ally Gaming Handheld.

2. WHAT'S IN THE BOX

Upon unboxing your ASUS ROG Ally, ensure all components are present:

- ASUS ROG Ally Gaming Handheld
- Power Adapter
- Documentation (Quick Start Guide, Warranty Card)

What's in the box



Figure 2: Included items in the ROG Ally package.

3. DEVICE LAYOUT AND CONTROLS

Familiarize yourself with the physical layout and controls of your ROG Ally for optimal gaming and navigation.

Front View

- **7-inch IPS Touchscreen Display:** Main interface for visuals and touch input.
- **Left Joystick:** For movement and navigation.
- **D-Pad:** Directional input.
- **Xbox Button:** Accesses Xbox Game Bar and other Xbox features.
- **Right Joystick:** For camera control and navigation.
- **A/B/X/Y Buttons:** Standard action buttons.
- **Front Speakers:** Stereo audio output.

Xbox full screen experience



Controls you already know

Figure 3: Front view of the ROG Ally, highlighting the display and primary controls.

Top View

- **Power Button/Fingerprint Scanner:** Powers the device on/off and provides secure login.
- **3.5mm Audio Jack:** For connecting headphones or external audio devices.
- **MicroSD Card Slot:** For expandable storage.
- **Heat Vents:** For cooling the internal components.
- **Volume Up/Down Buttons:** Adjusts audio volume.
- **LED Indicator:** Displays device status (e.g., charging, power on).
- **USB-C Ports (x2):** For charging, data transfer, and external device connectivity (one supports Thunderbolt).
- **R1/R2/L1/L2 Buttons:** Shoulder and trigger buttons for gaming.

**Power of Xbox.
Freedom of Windows.**



Power on directly into Xbox full screen experience with access to your full library of PC games



Play 200+ games with 3 months of Xbox Game Pass Premium
(\$45 value)

Armoury Crate SE integrated into Xbox Game bar For quick access



Contoured Grips
inspired by Xbox Wireless Controllers



Handheld freedom for everyone.



Powered by **AMD Ryzen™ Z2 A** processor

60Whr

Battery Capacity

16GB LPDDR5 6400Mhz Dual channel RAM	512GB PCIe Gen4 M.2 2280 upgradable storage
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Fast and Bright Display

Full HD	120Hz
500 nits	7ms



Figure 4: Top view of the ROG Ally, showing various ports and buttons.

Rear View

- **Rear Grips:** Contoured for comfortable handling during extended play sessions.
- **Rear Vents:** Additional ventilation for cooling.

Inspired by Xbox controls

Balanced weight distribution for longer,
more comfortable play



Figure 5: Rear view of the ROG Ally, highlighting ergonomic grips.

4. SETUP

Initial Power On and Windows 11 Setup

1. Connect the power adapter to the ROG Ally and a power outlet.
2. Press and hold the **Power Button** until the device powers on.
3. Follow the on-screen instructions to complete the Windows 11 Home setup, including language, region, and network settings.
4. Set up your Microsoft account and create a user profile.

Connecting to Wi-Fi

During the initial Windows setup, you will be prompted to connect to a Wi-Fi network. If you need to connect later:

1. Tap the **Network icon** in the taskbar.
2. Select your desired Wi-Fi network from the list.

3. Enter the network password if prompted and tap **Connect**.

Fingerprint Sensor Setup

For secure and quick login, set up the integrated fingerprint sensor:

1. Go to **Settings > Accounts > Sign-in options**.
2. Select **Fingerprint recognition (Windows Hello)** and follow the on-screen instructions to register your fingerprint.

5. OPERATING YOUR ROG ALLY

Gaming Experience

The ROG Ally provides a versatile gaming experience, allowing access to various platforms.

- **Xbox Game Bar Integration:** Launch Game Bar with a tap of the Xbox button to access game-related features, social interactions, and performance monitoring.
- **Game Libraries:** Play titles natively from platforms like Xbox Game Pass, Steam, Epic Games, and other Windows game stores.
- **Display Features:** The 7-inch 120Hz display with FreeSync Premium variable refresh rate ensures smooth gameplay and reduces screen tearing. With 500 nits of brightness, the display offers vivid and immersive visuals.

See it. Hear it. Feel it.

7" 1080p / 120Hz

High refresh rate display with VRR support

Built for ultra-smooth graphics and immersive play



Figure 6: The 7-inch 1080p 120Hz display provides ultra-smooth graphics.

Performance Modes

The ROG Ally is powered by an ultra-efficient AMD Ryzen Z2 A processor, offering console-caliber performance. You can adjust performance modes through the Armoury Crate SE software to balance power consumption and gaming fidelity.

Smart power. Longer play.

AMD Ryzen™ Z2 A Processor

16GB
LPDDR5 6400MHz
Memory

512GB
M.2 2280
SSD

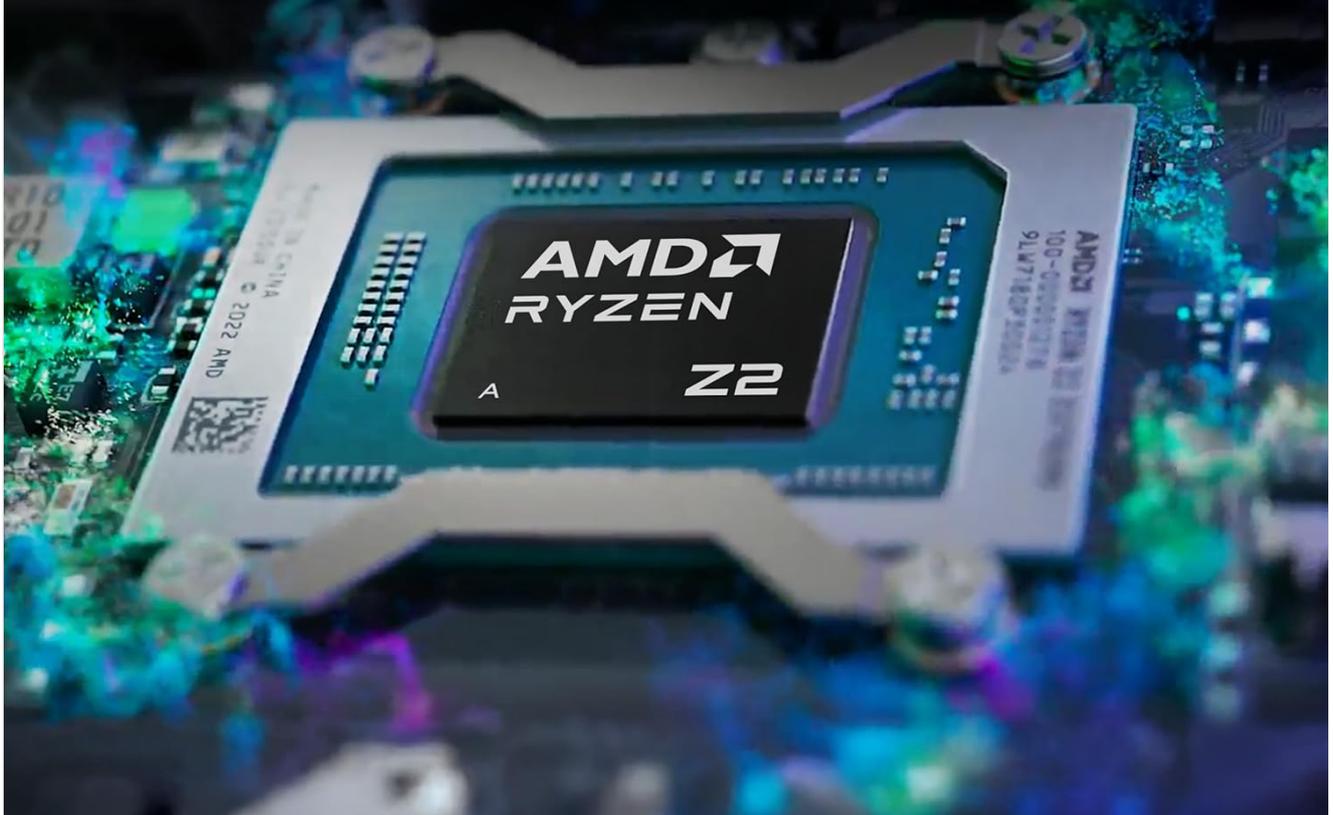


Figure 7: The AMD Ryzen Z2 A processor ensures powerful performance.

Battery Management

The device features a 60Whrs battery for extended gaming sessions. It supports fast charging, allowing you to reach 50% charge from 0% in approximately 30 minutes.

Greater efficiency = longer playtime

60Wh 
Battery capacity



Figure 8: The 60Wh battery provides longer playtime.

6. SPECIFICATIONS

Feature	Detail
Platform	Windows 11 Home
Processor	AMD Ryzen Z2 A
Graphics	AMD RDNA 2 Graphics
Display	7" 120Hz Touchscreen IPS Display, 1080p, 500 nits, Gorilla Glass
Memory	16GB LPDDR5X 6400MHz RAM
Storage	512GB PCIe Gen4 M.2 2280 SSD (Upgradable)
Wireless Connectivity	Wi-Fi 6E MT7922, Bluetooth 5.4

Feature	Detail
Input Device	Gamepad, Fingerprint Sensor
Battery	60Whrs
Color	White
Item Weight	1.47 lbs (approx. 2 Pounds)

7. MAINTENANCE

General Care and Cleaning

- Use a soft, dry cloth to clean the device's exterior.
- For the screen, use a microfiber cloth specifically designed for electronics. Avoid harsh chemicals.
- Keep the device away from liquids, excessive dust, and extreme temperatures.

Software Updates

Regularly check for and install Windows 11 updates to ensure optimal performance, security, and compatibility with the latest games and applications.

1. Go to **Settings > Windows Update**.
2. Click **Check for updates** and install any available updates.

8. TROUBLESHOOTING

Common Issues and Solutions

- **Device Overheating:** Ensure the device's air vents are not blocked. Avoid placing it on soft surfaces like blankets during use. Consider adjusting performance modes to a lower setting if prolonged high-intensity gaming causes excessive heat.
- **Short Battery Life:** Battery life can vary significantly based on game intensity and performance settings. For longer sessions, keep the device plugged into the power adapter. Adjusting screen brightness and performance modes can also extend battery life.
- **Game Compatibility/Performance:** Ensure your Windows 11 and graphics drivers are up to date. Adjust in-game graphics settings to match the device's capabilities for optimal performance.
- **Controls Not Responding:** Restart the device. Check for any software conflicts or driver issues.

9. PRODUCT VIDEOS

ROG Xbox Ally X Review

Video 1: A detailed review of the ROG Xbox Ally X, showcasing its features, design, and performance. This video provides an in-depth look at the device's capabilities and user experience.

Amazingly Powerful Mobile Device

Video 2: A user's perspective on the ROG Ally, highlighting its portability, power, and suitability for various gaming titles, including PC games and emulators.

10. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the official ASUS support channels. The product typically includes a manufacturer's warranty, details of which can be found in the documentation provided with your device or on the official ASUS website.

- **Online Support:** Visit the official ASUS support website for FAQs, driver downloads, and troubleshooting guides.
- **Contact Support:** Refer to your product documentation for regional contact numbers for technical assistance.