

MSI Infinite RS AI 2NVZ9-1290US

MSI Infinite RS AI 2NVZ9-1290US Gaming PC User Manual

Model: Infinite RS AI 2NVZ9-1290US

INTRODUCTION

This user manual provides essential information for the setup, operation, maintenance, and troubleshooting of your MSI Infinite RS AI 2NVZ9-1290US Gaming PC. Please read this manual thoroughly before using the product to ensure proper function and longevity.

SETUP

Follow these steps to set up your MSI Infinite RS AI Gaming PC.

1. Unpacking

Carefully remove the PC from its packaging. Ensure all accessories, such as the power cable and documentation, are present. Retain the original packaging for future transport or service needs.

2. Connecting Peripherals

- **Monitor:** Connect your monitor to the graphics card's DisplayPort or HDMI output ports.
- **Keyboard and Mouse:** Connect your keyboard and mouse to the available USB ports.
- **Network:** For a wired connection, connect an Ethernet cable to the 2.5GbE LAN port. For wireless, ensure your Wi-Fi antenna is connected if external.
- **Power:** Connect the power cable to the PC's power input and then to a grounded electrical outlet.



Image: Top view of the MSI Infinite RS AI Gaming PC, illustrating the placement of various input/output ports for connecting peripherals.

3. Initial Power-On

Press the power button located on the front of the PC. The system will boot up, and the RGB lighting will illuminate. Follow the on-screen instructions to complete the Windows 11 Pro setup.



Image: Front view of the MSI Infinite RS AI Gaming PC, showcasing the illuminated RGB fans behind the mesh panel.

OPERATING INSTRUCTIONS

This section covers basic operation of your gaming PC.

Power On/Off and Restart

- **Power On:** Press the power button once.
- **Shut Down:** From Windows, go to Start > Power > Shut down.
- **Restart:** From Windows, go to Start > Power > Restart.
- **Force Shut Down:** If the system is unresponsive, press and hold the power button for 5-10 seconds until the PC turns off. Use this only as a last resort.

Windows 11 Pro Basics

Your PC comes pre-installed with Windows 11 Pro. Familiarize yourself with the operating system's interface, settings, and features for optimal use.

Gaming and Performance

The MSI Infinite RS AI is equipped with an Intel Ultra 9 285K processor and an NVIDIA GeForce RTX 5090 graphics card, providing high performance for gaming and demanding applications. Ensure your graphics drivers are always up to date for the best experience. Adjust in-game settings to balance visual quality and frame rates according to your

preference.

RGB Lighting Control

The integrated RGB lighting can be customized using MSI's proprietary software (e.g., MSI Mystic Light), which may be pre-installed or available for download from the MSI website. This software allows you to change colors, effects, and synchronization with other compatible components.

MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your PC.

Cleaning

- **Exterior:** Use a soft, damp cloth to clean the exterior surfaces. Avoid harsh chemicals.
- **Dust:** Periodically clean dust from the ventilation grilles and internal components using compressed air. Ensure the PC is powered off and unplugged before cleaning.

Software Updates

Keep your Windows operating system, graphics drivers (NVIDIA), and other component drivers updated. Regular updates improve security, stability, and performance.

Storage Management

The 2TB M.2 NVMe Gen4 SSD provides fast storage. Regularly manage your files, uninstall unused programs, and consider disk cleanup tools to maintain optimal storage performance.

Thermal Management

The PC features an advanced thermal solution. Ensure adequate airflow around the PC and avoid placing it in enclosed spaces. Monitor component temperatures using system monitoring software if performance issues related to heat are suspected.

TROUBLESHOOTING

This section addresses common issues you might encounter.

No Power

- Check if the power cable is securely connected to both the PC and the electrical outlet.
- Verify the power outlet is functional by plugging in another device.
- Ensure the power supply switch on the back of the PC is in the 'ON' position.

No Display

- Confirm the monitor is powered on and connected to the graphics card's output, not the motherboard's integrated graphics ports.
- Try a different display cable or monitor if available.
- Ensure the monitor's input source is correctly selected.

Network Connectivity Issues

- **Wired:** Check the Ethernet cable connection to both the PC and the router/modem. Restart your router/modem.

- **Wireless (Wi-Fi 7):** Ensure Wi-Fi is enabled in Windows settings. Verify your Wi-Fi antenna is properly connected. Restart your router/modem.
- Update network drivers.

Performance Problems

- Ensure all drivers (especially graphics drivers) are up to date.
- Check for background applications consuming system resources.
- Monitor CPU and GPU temperatures to rule out thermal throttling.
- Run a malware scan.

SPECIFICATIONS

Detailed technical specifications for the MSI Infinite RS AI 2NVZ9-1290US Gaming PC.

Component	Specification
Brand	MSI
Model Name	Infinite RS AI
Model Number	2NVZ9-1290US
Operating System	Windows 11 Pro
CPU Model	Intel Core Ultra 9 285K
CPU Speed	3.2 GHz (Max 5.5 GHz)
Graphics Coprocessor	NVIDIA GeForce RTX 5090
Graphics Card RAM	32 GB GDDR7
RAM Memory Installed Size	64 GB DDR5-6000
RAM Memory Maximum Size	256 GB
Memory Storage Capacity	2 TB M.2 NVMe Gen4 SSD
Wireless Technology	Wi-Fi 7 (802.11be), Bluetooth 5.4
LAN	2.5GbE LAN
Power Supply	1300 Watt 80 PLUS Gold
Total USB Ports	12
Video Output	HDMI, DisplayPort
Built-In Media	RGB Lighting
Item Weight	52 Pounds

WARRANTY

The MSI Infinite RS AI 2NVZ9-1290US Gaming PC comes with a **1 Year Limited Warranty**. This warranty covers

defects in materials and workmanship under normal use. For detailed terms and conditions, please refer to the warranty card included with your product or visit the official MSI website.

SUPPORT

For technical assistance, driver downloads, or further product information, please visit the official MSI support website. You can typically find support resources by searching for your specific model number (2NVZ9-1290US) on the MSI support portal.

MSI Official Website: www.msi.com

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question