

MSI Codex Z2 B8NVM-441US

MSI Codex Z2 Gaming Desktop User Manual

Model: B8NVM-441US

1. INTRODUCTION

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your MSI Codex Z2 Gaming Desktop. Please read this guide thoroughly before using your new system to ensure optimal performance and longevity.



Image: The MSI Codex Z2 Gaming Desktop, showcasing its design and internal components with RGB lighting, alongside branding for AMD Ryzen 8000 Series processors.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- MSI Codex Z2 Gaming Desktop
- Power Cable
- MSI Gaming Mouse

- MSI Gaming Keyboard
- Documentation (Quick Start Guide, Warranty Card)

3. SETUP

3.1 Unboxing and Placement

1. Carefully remove the desktop from its packaging.
2. Place the desktop on a stable, flat surface with adequate ventilation around all sides. Avoid blocking air vents.

3.2 Connecting Peripherals

Connect your monitor, keyboard, mouse, and other peripherals to the appropriate ports on the back of the desktop.

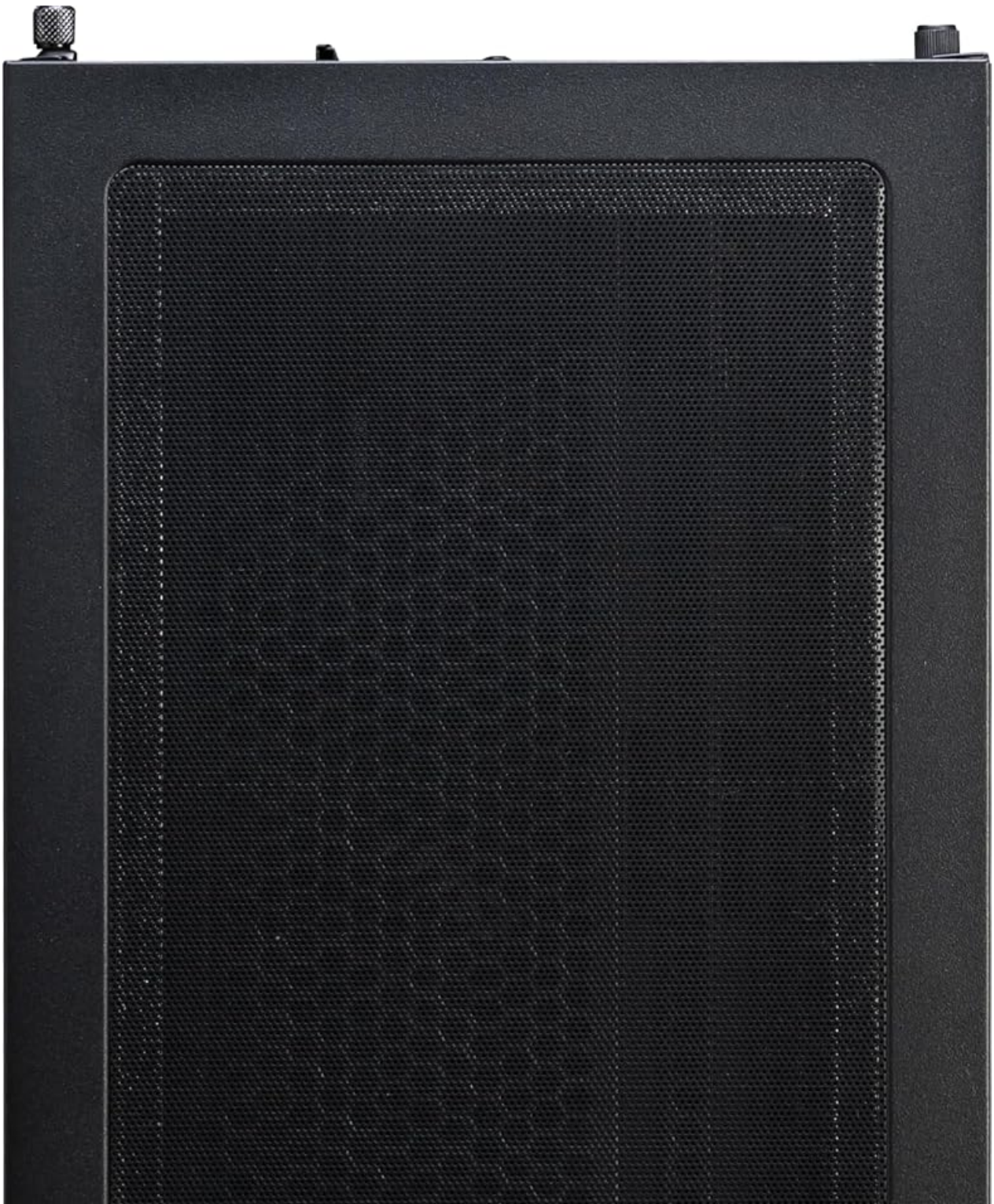




Image: The rear panel of the MSI Codex Z2 Gaming Desktop, displaying a variety of input/output ports for connecting peripherals and displays.

- **Monitor:** Connect your monitor to the graphics card's DisplayPort or HDMI ports.
- **Keyboard and Mouse:** Connect the included MSI gaming keyboard and mouse to any available USB ports.
- **Power:** Connect the power cable to the desktop's power input and then to a wall outlet.
- **Network:** For wired internet, connect an Ethernet cable to the LAN port. For wireless, ensure antennas are connected if applicable.



Image: A detailed diagram illustrating the front input/output ports and controls of the MSI Codex Z2, including the LED switch, USB 3.2 Gen 1 Type-A, USB 3.2 Gen 2x2 Type-C, Mic/Audio-Out jacks, reset button, and power button.

3.3 First Boot

1. Press the power button on the front of the desktop.
2. Follow the on-screen instructions to complete the Windows 11 Home setup.

4. OPERATING INSTRUCTIONS

4.1 System Overview

The MSI Codex Z2 is equipped with an AMD Ryzen 7 8700F processor, NVIDIA GeForce RTX 5060 Ti graphics card, 32GB DDR5 memory, and a 1TB NVMe SSD, running on Windows 11 Home.





Image: The front of the MSI Codex Z2 Gaming Desktop, featuring three illuminated RGB fans behind a mesh panel.

4.2 RGB Lighting Control

Customize the aesthetic of your desktop with integrated RGB lighting:

- **Cycle Lighting Options:** Press the LED button on the front panel to cycle through various lighting effects.
- **Software Control:** Press and hold the LED button for 3 seconds to enable software control via MSI Center Mystic Light.
- **Stealth Mode:** Press and hold the LED button for 7 seconds to turn off all RGB lighting.

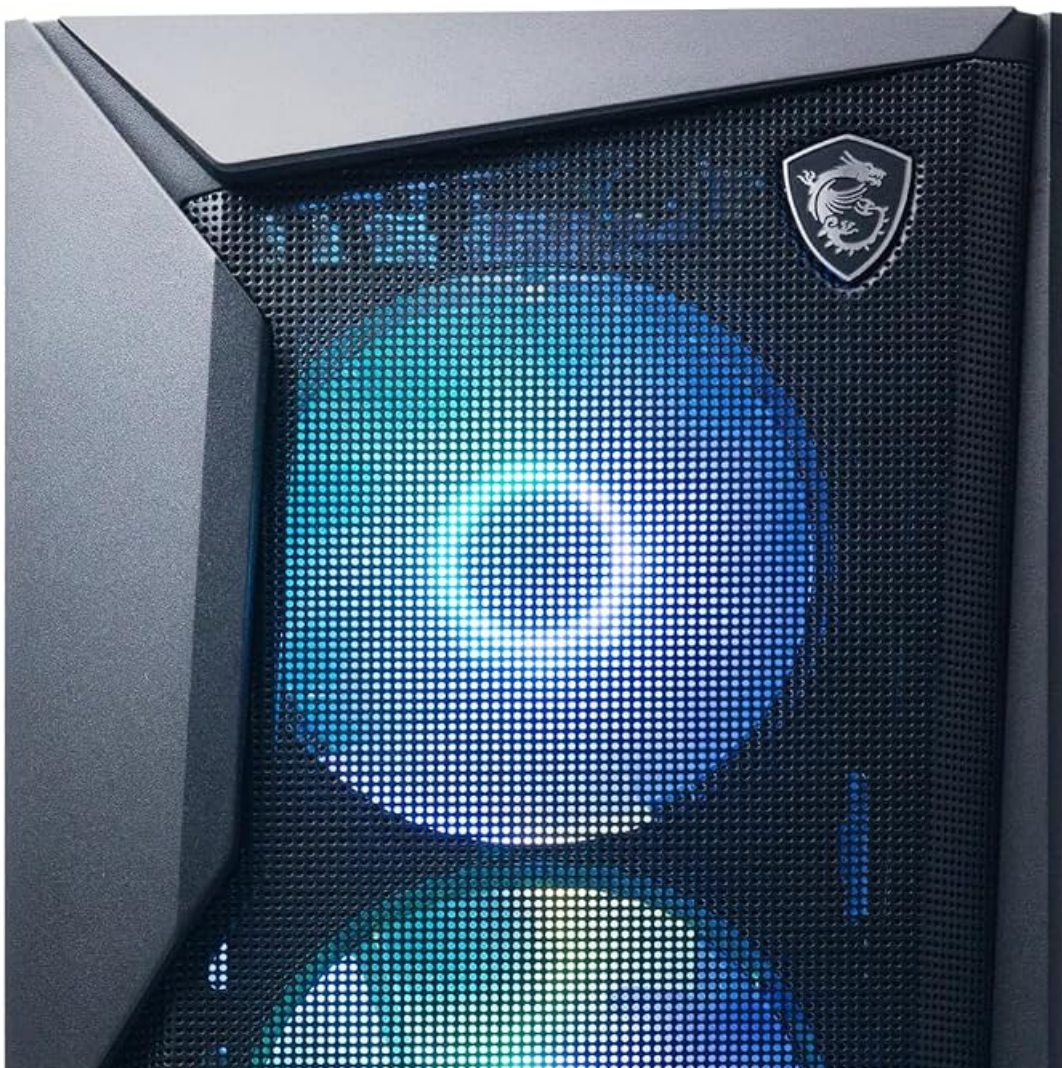




Image: The MSI Codex Z2 Gaming Desktop displaying its internal components and front fans illuminated with blue RGB lighting.

4.3 Cooling System

The Codex Z2 features an ARGB fan air cooler and four system cooling fans (three front, one rear) for efficient heat dissipation. Frozr AI Cooling technology automatically adjusts fan speeds based on system temperature to maintain optimal performance and low noise levels.

CPU COOLING

STAY FROSTY & BRIGHT

Featuring an **RGB CPU air cooler** and **four RGB fans**, the MSI gaming desktop ensures optimal heat dissipation, effortlessly tackling even the most hardware-intensive games.



Image: A visual representation of the CPU cooling system within the desktop, highlighting the RGB air cooler and the airflow generated by the system fans.

4.4 Wireless Connectivity

The desktop supports Wi-Fi 6E and Bluetooth 5.3 for high-speed wireless networking and peripheral connections.



Image: A graphic demonstrating the enhanced speeds and low latency of Wi-Fi 6E and Bluetooth 5.3 connectivity compared to previous generations.

5. MAINTENANCE

5.1 Cleaning

- Regularly clean the exterior of the desktop with a soft, dry cloth.
- Use compressed air to clear dust from vents and fan grilles to maintain optimal airflow. Ensure the system is powered off before cleaning.

5.2 Upgrades

The MSI Codex Z2 is designed with high-quality, standardized components, making future upgrades and maintenance straightforward. Consult the MSI website or a qualified technician for specific upgrade procedures.

6. TROUBLESHOOTING

If you encounter issues with your MSI Codex Z2 Gaming Desktop, consider the following basic troubleshooting steps:

- **No Power:** Ensure the power cable is securely connected to both the desktop and the wall outlet. Try a different power outlet.
- **No Display:** Verify that your monitor is powered on and correctly connected to the graphics card's output port. Try a different display cable or monitor if available.
- **Peripherals Not Responding:** Check USB connections for your keyboard and mouse. Try connecting them to different USB ports.
- **System Unresponsive:** Perform a hard shutdown by holding the power button for 5-10 seconds, then restart the system.
- **Software Issues:** Ensure your operating system and drivers are up to date. Consider performing a system restore or reinstalling problematic software.

For more advanced troubleshooting or persistent issues, please refer to the MSI support website or contact MSI customer service.

7. SPECIFICATIONS

Feature	Specification
Model Name	Codex Z2 B8NVM-441US
Processor	AMD Ryzen 7 8700F (4.1 GHz, up to 5 GHz)
Graphics Card	NVIDIA GeForce RTX 5060 Ti 8G GDDR7 128-bit
Memory	32GB DDR5 RAM (5600 MHz), Max 96GB
Storage	1TB M.2 NVMe PCIe 4.0 SSD
Operating System	Windows 11 Home
Wireless Connectivity	Wi-Fi 6E (802.11ax), Bluetooth 5.3
Wired Connectivity	Ethernet (LAN)
Front I/O Ports	USB 3.2 Gen 1 Type-A, USB 3.2 Gen 2x2 Type-C, 3.5mm Audio (Mic/Headphone)
Rear I/O Ports	HDMI, DisplayPort, USB ports (Total 6), Ethernet
Dimensions (L x W x H)	40.64 x 21.29 x 48.26 cm (16 x 8.38 x 19 inches)
Weight	13.11 kg (28.9 lbs)
Included Peripherals	MSI Gaming Keyboard, MSI Gaming Mouse

8. WARRANTY INFORMATION

The MSI Codex Z2 Gaming Desktop comes with a **1 Year Limited Warranty**. Please refer to the included warranty card for detailed terms and conditions, including coverage, limitations, and service procedures. Keep your proof of purchase for warranty claims.

9. SUPPORT

For further assistance, technical support, driver downloads, or product information, please visit the official MSI website:

www.msi.com

You can also contact MSI customer service directly through the contact information provided on their website or in your product documentation.

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