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MSI CodR13NUC068

MSI Codex R Gaming Desktop User Manual

Model: CodR13NUC068

1. Introduction

Welcome to your new MSI Codex R Gaming Desktop. This manual provides essential information for the proper setup, operation, and maintenance of your system. Please read this manual thoroughly before using your desktop to ensure optimal performance and longevity.

2. Product Overview

The MSI Codex R Gaming Desktop is engineered for a high-performance computing experience, featuring advanced components for gaming and multitasking.

- **Processor:** Intel Core i5-13400F (13th Gen)
- **Graphics Card:** NVIDIA GeForce RTX 4060 with 8GB GDDR6
- **Memory:** 32GB DDR5 RAM
- **Storage:** 2TB M.2 NVMe Gen3 Solid State Drive
- **Operating System:** Windows 11 Pro
- **Power Supply:** 650W 80+ Gold Certified
- **Cooling:** RGB Fan Cooling System
- **Included Peripherals:** MSI Gaming Keyboard and Mouse



Figure 2.1: MSI Codex R Gaming Desktop with included keyboard and mouse.



Figure 2.2: Key specifications of the MSI Codex R Gaming Desktop.

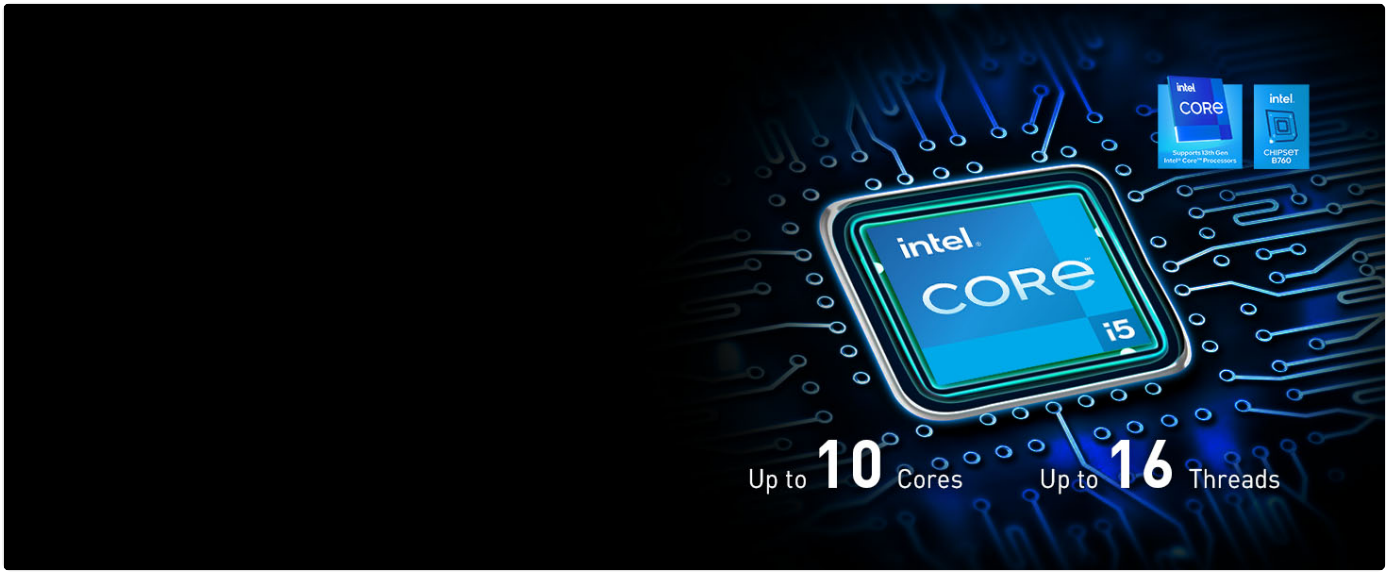


Figure 2.3: The Intel Core i5 processor architecture, designed for enhanced performance.

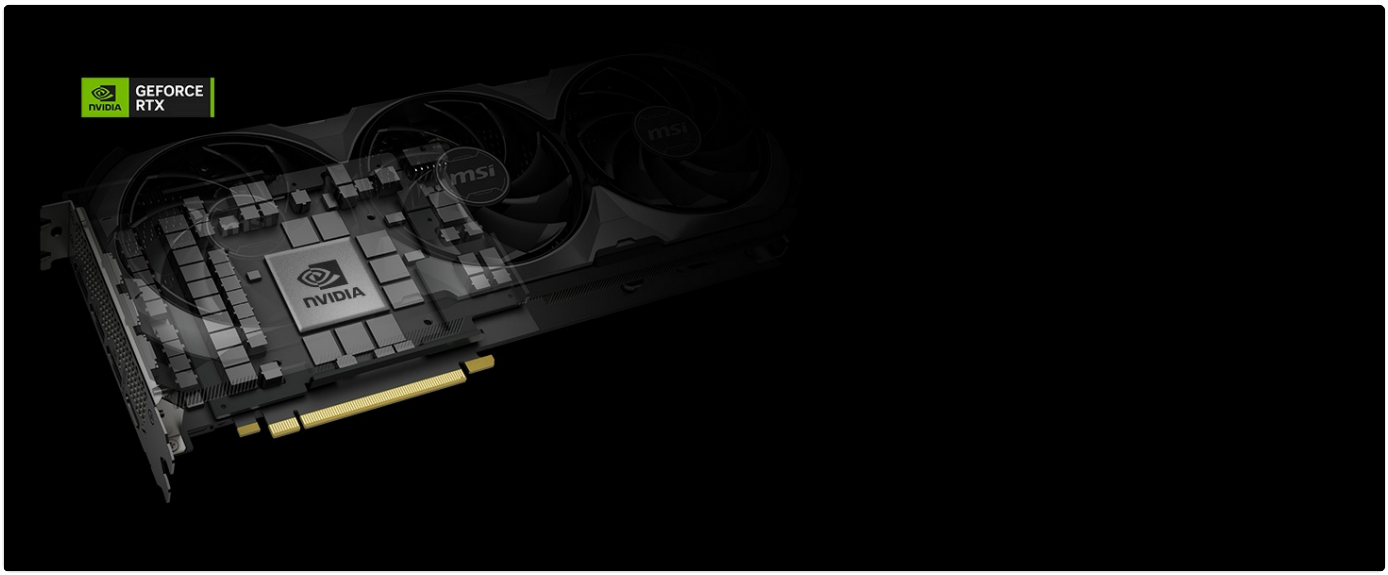


Figure 2.4: The NVIDIA GeForce RTX 40 Series Graphics card, providing advanced visual capabilities.

3. Setup Guide

3.1. Unboxing and Initial Inspection

1. Carefully remove the desktop from its packaging.
2. Remove any protective foam inserts from inside the PC case. These are typically placed to secure internal components during shipping. Exercise caution when removing foam, especially around the graphics card, to avoid dislodging components.
3. Inspect the desktop for any visible damage. If damage is found, contact your retailer immediately.
4. Unpack the included MSI gaming keyboard and mouse.

3.2. Connecting Peripherals

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

- **Monitor:** Connect your monitor to the graphics card's display outputs (HDMI, DisplayPort). Ensure you connect to the dedicated graphics card ports, not the motherboard's integrated graphics ports.
- **Keyboard and Mouse:** Connect the included keyboard and mouse to any available USB ports.
- **Power:** Connect the power cable to the power supply unit (PSU) at the rear of the desktop and then to a power outlet.
- **Network:** For wired internet, connect an Ethernet cable to the RJ45 port. For wireless internet, ensure the Wi-Fi antennas are securely attached if provided.

WIDE ARRAY OF PORTS

VERSATILE CONNECTIVITY

With multiple USB 3.2 Type A and Type-C ports, connect all your favorite peripherals with wired or wireless connection without needing an external hub.



Figure 3.1: Rear connectivity ports for peripherals.



1~2. USB 2.0 TYPE A
3. PS/2
4~5. USB 3.2 GEN 2 TYPE A
6. RJ45 (2.5G)
7. USB 3.2 GEN 2 TYPE C
8~9. USB 2.0 TYPE A
10~11. WIFI ANTENNA
12. S/PDIF-OUT
13~17. AUDIO JACK
18. LED SWITCH BUTTON
19~20. USB 3.2 GEN 1 TYPE A
21. MIC-IN
22. HEADPHONE-OUT
23. RESET BUTTON
24. LED SWITCH BUTTON

CodexR

Figure 3.2: Detailed diagram of front and rear ports.

3.3. Initial Power On

Press the power button located on the top of the desktop. The system will boot up, and you will be guided through the Windows 11 Pro setup process. Follow the on-screen instructions to complete the initial configuration.

4. Operating Instructions

4.1. Windows 11 Pro Basics

Your MSI Codex R comes pre-installed with Windows 11 Pro, offering a secure and efficient operating environment. Familiarize yourself with the Windows interface, Start Menu, and settings to customize your experience.

4.2. RGB Lighting Control

The desktop features customizable RGB lighting for its fans. Use the dedicated LED button on the top panel of the case to cycle through various lighting effects and colors. Refer to the MSI Center software for more advanced customization options.



Figure 4.1: The desktop's RGB lighting in action.



Figure 4.2: Customize your experience with RGB lighting options.

4.3. Connectivity Options

The MSI Codex R offers a wide array of ports for versatile connectivity:

- **USB Ports:** Includes multiple USB 2.0, USB 3.0, USB 3.2 Type A, and USB 3.2 Type C ports for connecting various peripherals and external devices.
- **Audio Jacks:** Dedicated ports for headphones, microphones, and other audio devices.
- **Network:** Features a 2.5G RJ45 port for high-speed wired internet and Wi-Fi 6E for advanced wireless connectivity.

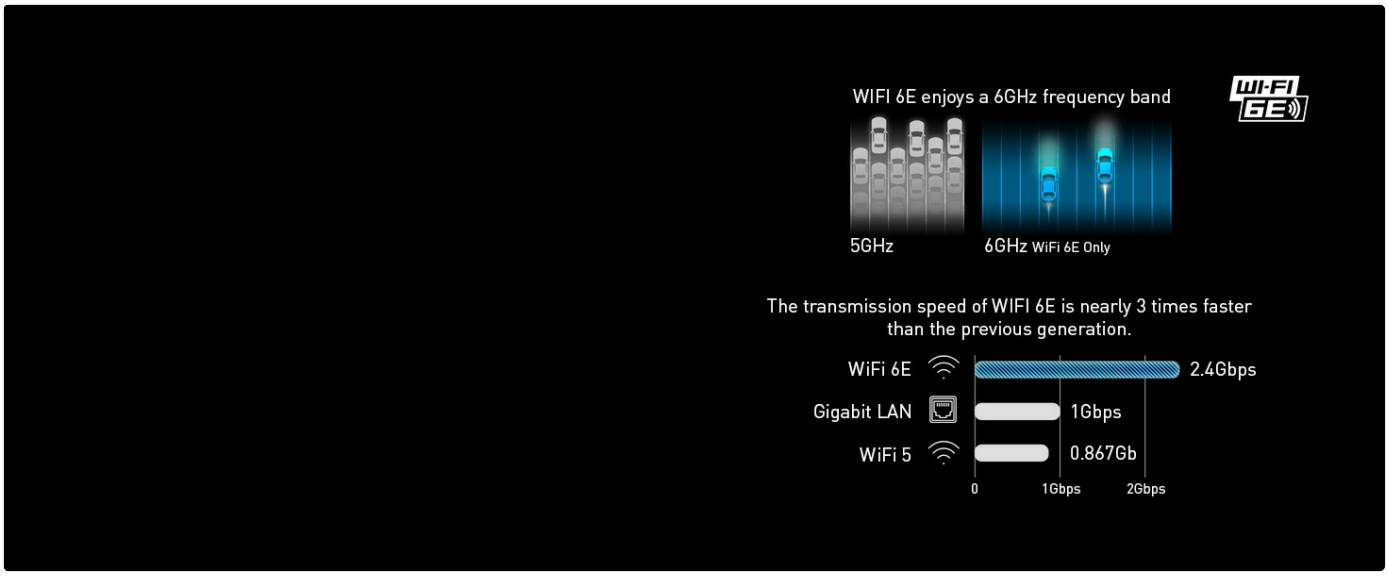


Figure 4.3: Wi-Fi 6E provides faster wireless transmission speeds.

5. Maintenance

5.1. Cleaning

Regular cleaning helps maintain optimal performance and extends the lifespan of your desktop.

- **Exterior:** Use a soft, damp cloth to wipe down the exterior surfaces. Avoid abrasive cleaners.
- **Dusting:** Periodically use compressed air to clear dust from fan vents and internal components. Ensure the system is powered off and unplugged before cleaning.

5.2. Software Updates

Keep your operating system and drivers updated to ensure system stability, security, and performance.

- **Windows Updates:** Regularly check for and install Windows updates through the Settings menu.
- **Graphics Drivers:** Install the latest NVIDIA GeForce Game Ready Drivers for your RTX 4060 GPU. This is crucial for gaming performance and compatibility.
- **Other Drivers:** Use MSI Center or visit the MSI support website to update other system drivers as needed.

5.3. Airflow and Cooling

The MSI Codex R is designed with multiple fans for efficient airflow, keeping components cool and quiet during operation. Ensure the desktop is placed in a well-ventilated area and that air vents are not obstructed.



Figure 5.1: Optimized airflow design for effective cooling.

6. Troubleshooting

This section addresses common issues you might encounter.

- **No Power:** Ensure the power cable is securely connected to both the desktop and the power outlet. Check if the power supply switch at the rear is in the 'On' position.
- **No Display:** Verify that your monitor is correctly connected to the graphics card's output ports and that the monitor is powered on and set to the correct input source.
- **System Instability/Crashes:** Ensure all drivers, especially graphics drivers, are up to date. Check for Windows updates. If issues persist, consider performing a clean installation of Windows 11 Pro, avoiding unnecessary pre-installed software that may cause conflicts.
- **Poor Performance:** Confirm that your graphics drivers are current. Check background applications that might be consuming system resources. Ensure adequate airflow to prevent thermal throttling.
- **Peripheral Not Working:** Try connecting the peripheral to a different USB port. Ensure drivers for the peripheral are installed if required.

7. Specifications

Component	Specification
Processor	Intel Core i5-13400F (1.8 GHz)
RAM	32 GB DDR5 SDRAM
Storage	2 TB SSD (M.2 NVMe Gen3)
Graphics Coprocessor	NVIDIA GeForce RTX 4060 (8 GB GDDR6)
Operating System	Windows 11 Pro
Power Supply	650W 80+ Gold
USB 2.0 Ports	8
USB 3.0 Ports	4

Component	Specification
Network	2.5G RJ45, Wi-Fi 6E
Dimensions (LxWxH)	20 x 15 x 15 inches
Item Weight	26.4 pounds
Model Number	CodR13NUC068

8. Warranty and Support

For warranty information, technical support, or service inquiries, please refer to the documentation included with your product or visit the official MSI support website. Keep your purchase receipt and product serial number handy when contacting support.

9. Official Product Videos

Watch the official product video for an overview of the MSI Codex R2 Series Gaming Desktops.

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Video 9.1: Official overview of the MSI Codex R2 Series Gaming Desktops, highlighting features and design. (Source: MSI Computer Corp.)

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