Cooler Master AYG-M2C7-N67GII32-N3

Cooler Master NR2 Pro Gaming PC User Manual
Model: AYG-M2C7-N67GII32-N3

INTRODUCTION

The Cooler Master NR2 Pro is a compact Mini ITX desktop PC designed for high-performance computing. This system is equipped with an Intel Ultra 7 265F processor, NVIDIA GeForce RTX 5070 12GB graphics, 32GB DDR5 6000MHz RAM, and a 2TB Gen4 M.2 SSD, running on Windows 11. It is suitable for demanding applications including gaming, content creation, and data analysis.

This manual provides essential information for the proper setup, operation, maintenance, and troubleshooting of your NR2 Pro Gaming PC to ensure optimal performance and longevity.

Figure 1: Cooler Master NR2 Pro Gaming PC, front view.

SETUP INSTRUCTIONS

1. Unpacking and Initial Inspection

Carefully remove the PC from its packaging. Inspect the system for any visible damage that may have occurred during transit. It is recommended to retain all packaging materials for future transport or service needs.

Figure 2: Exploded view of the Cooler Master NR2 Pro, showing internal components and removable panels.

2. Connecting Peripherals

Connect your monitor, keyboard, mouse, and other peripherals to the appropriate ports on the rear of the PC. The system includes multiple USB 3.2 ports, HDMI, and DisplayPort outputs. Ensure all cables are securely connected.

Figure 3: Rear input/output panel with various ports including USB, HDMI, and DisplayPort.

3. Power Connection

Connect the power cable to the power supply unit (PSU) inlet on the rear of the PC, then plug the other end into a grounded electrical outlet. The system features an 850W 80 Plus Gold Efficiency Power Supply.

4. Initial Boot-Up

Press the power button located on the front panel of the PC. The system will initiate the boot process. Follow the on-screen instructions to complete the Windows 11 setup. Ensure your display is powered on and set to the correct input source.

Your browser does not support the video tag.

Video 1: Overview of the Cooler Master NR2 Pro Gaming PC series, demonstrating its compact design and features. This video shows the power button location and general usage scenarios.

OPERATING INSTRUCTIONS

System Power On/Off

To power on the PC, press the power button once. To shut down, use the Windows 11 Start menu options (Start > Power > Shut down). Avoid forced shutdowns by holding the power button unless absolutely necessary to prevent data loss or system corruption.

Connectivity

The NR2 Pro offers extensive connectivity options:

- **USB Ports:** Multiple USB 3.2 Gen 2 Type-C and USB 3.2 ports are available for connecting peripherals and external storage devices.
- **Display Outputs:** HDMI and DisplayPort are provided for connecting to monitors.
- **Wireless:** Integrated Wi-Fi 6E (802.11ax) and Bluetooth ensure high-speed wireless communication.
- **Wired Network:** Intel 2.5GbE LAN port for high-speed wired internet connection.
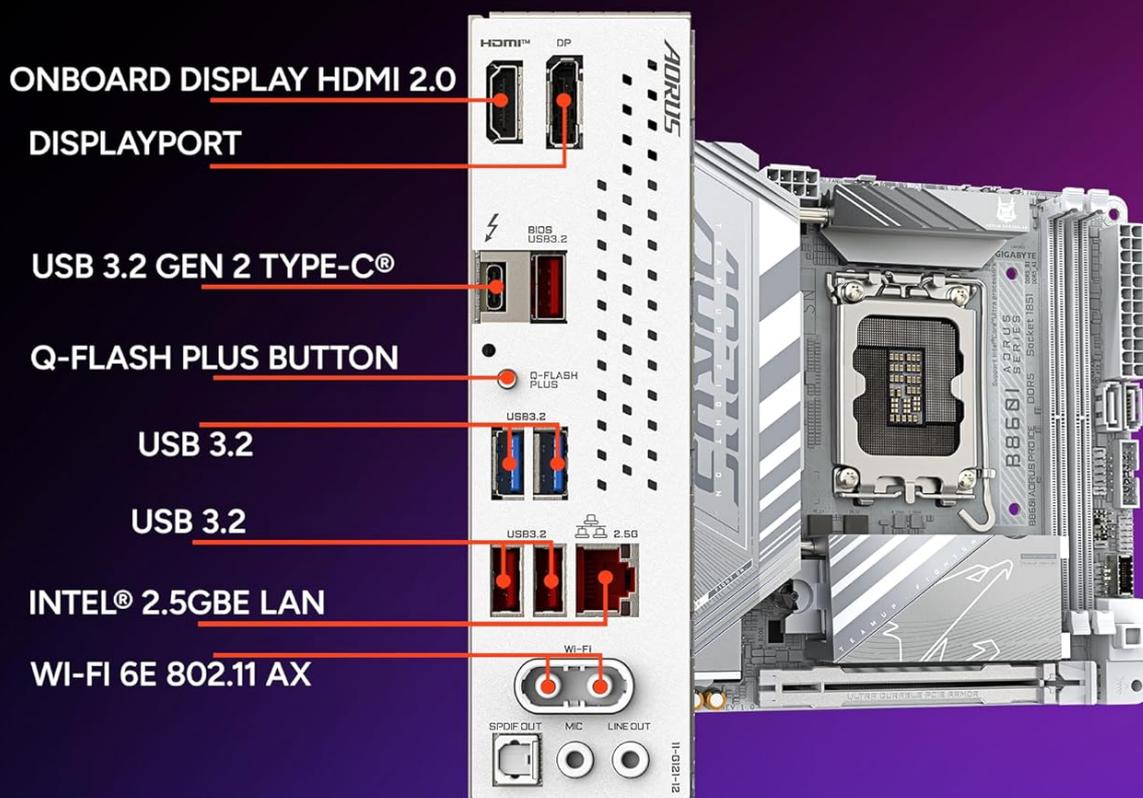
Figure 4: Detailed view of the motherboard's rear connectivity ports.

Gaming and Professional Use

The system is optimized for high-performance tasks. For gaming, ensure your display drivers are up-to-date for optimal frame rates and stability. For professional applications like content creation or data analysis, the Intel Ultra 7 processor and 32GB DDR5 RAM provide robust performance.

MAINTENANCE

1. Cleaning

Regularly clean the exterior of the PC with a soft, dry cloth. For internal components, use compressed air to remove dust from fans, heatsinks, and ventilation grilles. Ensure the PC is powered off and unplugged before cleaning. The case features mesh panels for airflow, which should be kept clear of obstructions.

2. Internal Component Checks

Periodically, it is advisable to check internal connections. Ensure the graphics card is securely seated in its PCIe slot. Verify that RAM modules are fully seated. Confirm that the M.2 SSD heatsink is properly attached and that all power and data cables are firmly connected. If your system utilizes liquid cooling, ensure all connections are secure and there are no leaks.

3. Software Updates

Keep your operating system (Windows 11) and device drivers (especially graphics drivers) updated to ensure system stability, security, and optimal performance. Cooler Master and NVIDIA websites provide the latest drivers for your components.

TROUBLESHOOTING

No Display on Monitor

- **Check Cables:** Ensure the monitor's power cable and the video cable (HDMI/DisplayPort) are securely connected to both the monitor and the PC's graphics card.
- **Monitor Input:** Verify the monitor is set to the correct input source.
- **Graphics Card Seating:** If comfortable, power off and unplug the PC, then carefully open the side panel and ensure the graphics card is fully seated in its slot.

System Crashes or Unexpected Shutdowns

- **Power Supply:** Ensure the power cable is firmly connected to the PC and the wall outlet. Avoid using overloaded power strips.
- **Overheating:** Check for excessive dust buildup in fans and vents. Ensure the PC has adequate airflow. Monitor component temperatures using system monitoring software.
- **Driver Issues:** Update all system drivers, especially graphics drivers, to the latest versions.

Loose Internal Components

If you hear rattling or suspect loose components, power off and unplug the PC. Carefully open the side panel. Common areas to check include:

- **M.2 SSD Heatsink:** Ensure it is properly secured to the M.2 drive.
- **Graphics Card:** Verify it is fully seated and secured by its latch/screw.
- **RAM Modules:** Press down firmly on both ends of each RAM stick until the clips engage.
- **Cables:** Check all power and data cables for secure connections to the motherboard, storage drives, and graphics card.

SPECIFICATIONS

Feature	Detail
Model Number	AYG-M2C7-N67GII32-N3
Processor	Intel Ultra 7 265F (2.4 GHz, 5.3 GHz Turbo, 20-Core)
Graphics Card	NVIDIA GeForce RTX 5070 12GB

Feature	Detail
RAM	32GB (2x16GB) DDR5 6000MHz RGB
Storage	2TB Gen4 M.2 SSD
Operating System	Windows 11 Home
Motherboard	Gigabyte B860I AORUS PRO ICE
Power Supply	V850 SFX Gold PSU (850W 80 Plus Gold Efficiency)
Cooling	280mm AIO Liquid Cooler
Case Type	Compact Mini ITX (NR200P Max Case)
Connectivity	Wi-Fi 6E, Bluetooth, USB 3.2 Gen 2 Type-C, USB 3.2, HDMI, DisplayPort, Intel 2.5GbE LAN
Dimensions (LxWxH)	15 x 12 x 8 inches
Weight	28 pounds

WARRANTY INFORMATION

The Cooler Master NR2 Pro Gaming PC comes with a **1-Year Parts and Labor Warranty**. This warranty covers defects in materials and workmanship under normal use during the warranty period. For specific terms and conditions, please refer to the warranty documentation included with your product or contact Cooler Master support.

TECHNICAL SUPPORT

Cooler Master provides **Lifetime Technical Support** for the NR2 Pro Gaming PC. If you encounter any issues or have questions regarding your system, please contact Cooler Master's technical support team. Contact information can typically be found on the official Cooler Master website or in the documentation provided with your PC.
This product is assembled in the U.S.A.