

Noua DIAMOND C101

Noua Diamond C101 ATX PC Gaming Case Instruction Manual

Model: DIAMOND C101

INTRODUCTION

The Noua Diamond C101 is an ATX PC gaming case designed for high-performance component installation. It features a professional design with a mesh and ABS front panel, and a high-quality tempered glass side panel to showcase internal components. This case supports a wide range of motherboard form factors, including E-ATX, ATX, micro-ATX, and mini-ITX. It includes one 120mm ARGB fan and an integrated LED strip for customizable lighting.



Figure 1: Front-side view of the Noua Diamond C101 PC case, highlighting the tempered glass side panel and front mesh design.

SETUP AND INSTALLATION

1. Unpacking and Preparation

Carefully remove the case from its packaging. Inspect for any damage during transit. Place the case on a stable, flat surface. Remove the tempered glass side panel by unscrewing its fasteners or releasing its magnetic latch, if applicable, to access the interior.

2. Component Installation

- **Motherboard:** The Noua Diamond C101 supports E-ATX, ATX, micro-ATX, and mini-ITX motherboards. Install the necessary standoffs for your motherboard size, then carefully place and secure the motherboard.
- **Graphics Card (VGA):** This case accommodates graphics cards up to 330mm in length. Utilize the included VGA CARD HOLDER to provide additional support and prevent sag for longer or heavier cards. The case features seven horizontal expansion slots.
- **CPU Cooler:** CPU coolers up to 160mm in height are supported.

- **Storage Drives:** The case includes two internal 3.5-inch drive bays for HDDs and SSDs. Secure your drives in these designated locations.
- **Power Supply Unit (PSU):** The PSU mounts at the bottom of the case. Install your power supply and route cables through the designated cutouts.



Figure 2: Interior view of the Noua Diamond C101 case, showing the motherboard tray and cable management cutouts.



Figure 3: Detailed view of the adjustable VGA card holder within the Noua Diamond C101 case.

3. Cooling System Installation

- **COC System Fan:** The case features an innovative COC (Cooling and Overclocking) system with a dedicated 140mm fan positioned to cool the microprocessor and its surrounding area on the motherboard. This fan is pre-installed.
- **Additional Fans:** The case supports extensive cooling configurations, allowing for up to eight 120mm fans or four 140mm fans.
- **Liquid Cooling:** Full support for liquid cooling solutions, including radiators up to 280mm.
- **Included Fan:** One 120mm ARGB fan is included and pre-installed.



Figure 4: Internal view showing the COC system fan installed in the Noua Diamond C101 case.

4. Cable Management and Connections

Utilize the ample space behind the motherboard tray and the various cable routing cutouts to manage your cables effectively. Connect the front panel I/O cables (USB, audio, power, reset, LED) to your motherboard according to its manual. Ensure the included ARGB fan and LED strip are connected to the appropriate headers on your motherboard or a fan controller for power and lighting control.

The logo for NOUA, featuring the word 'NOUA' in a large, bold, black, sans-serif font. Below it, the phrase 'NEVER LIE' is written in a smaller, black, sans-serif font.

Figure 5: Connection diagram illustrating how to connect fans, LED strips, PSU, and motherboard components.

OPERATING INSTRUCTIONS

1. Powering On

After all components are securely installed and connected, close the side panels. Connect your PC to a power source and press the power button located on the front I/O panel to start your system.

2. LED Control

The Noua Diamond C101 features an integrated LED strip and an ARGB fan. Use the dedicated LED control button on the front I/O panel to cycle through various lighting modes and colors. For advanced synchronization, connect the ARGB components to a compatible motherboard header and use the motherboard's software.

3. COC System Functionality

The COC (Cooling and Overclocking) system, with its 140mm fan, is designed to actively cool the CPU and motherboard area. This system operates automatically to help maintain optimal temperatures and maximize performance, especially during demanding tasks.

MAINTENANCE

1. General Cleaning

Regularly clean the exterior of the case with a soft, damp cloth. Avoid abrasive cleaners. For the interior, use compressed air to remove dust from components and fans. Ensure the system is powered off and unplugged before cleaning.

2. Dust Filters

The case features a mesh front panel and may include other dust filters. Periodically remove and clean these filters to maintain optimal airflow and prevent dust buildup inside the system. While the front panel design aids airflow, consider adding an additional dust filter if operating in a particularly dusty environment.

3. Fan Maintenance

Check fans periodically for dust accumulation. Clean fan blades gently with a soft brush or compressed air. Ensure all fans are spinning freely and quietly.

TROUBLESHOOTING

- **System Does Not Power On:**

- Verify that the power supply unit (PSU) is properly connected to the wall outlet and the power switch on the PSU is in the 'ON' position.
- Check all internal power connections, including the 24-pin ATX connector, CPU power connector, and GPU power connectors.
- Ensure the front panel power button cable is correctly connected to the motherboard's F_PANEL header.

- **Overheating Issues:**

- Confirm all case fans, including the COC system fan, are spinning correctly.
- Ensure there is adequate airflow by checking for obstructions and cleaning dust filters.
- Verify that the CPU cooler is properly seated and making good contact with the CPU.

- **LEDs Not Functioning:**

- Check the ARGB connections from the fan and LED strip to the motherboard or controller.
- Press the LED control button on the front panel to cycle through modes.
- If using motherboard software, ensure it is installed and configured correctly.

- **Component Fit/Alignment:**

- If experiencing difficulty aligning the motherboard or graphics card screws, ensure the standoffs are correctly installed and that components are gently but firmly seated before tightening. Avoid excessive force.

SPECIFICATIONS

Feature	Specification
Brand	Noua
Model Name	DIAMOND C101
Motherboard Compatibility	E-ATX, ATX, Micro ATX, Mini-ITX
Case Type	Mid Tower
Material	Acrylonitrile Butadiene Styrene (ABS), Tempered Glass
Cooling Method	Air
Fan Size (COC System)	140 mm
Included Fans	1x 120mm ARGB fan
Max Fan Support	8x 120mm or 4x 140mm
Liquid Cooling Support	Up to 280mm radiators
Power Supply Mounting	Bottom Mount
Expansion Slots	7
Internal Drive Bays	2 (3.5 inches)
Front I/O Ports	2x USB 3.0, 1x USB 2.0, Audio Jacks, Power Button, Reset Button, LED Control Button
Additional Features	RGB Lighting, COC System, VGA Card Holder
Item Weight	5.3 Kilograms
Dimensions (D x W x H)	42 cm x 21 cm x 46.2 cm

WARRANTY INFORMATION

The Noua Diamond C101 PC Gaming Case comes with a **2 Year Limited Warranty**. Please retain your proof of purchase for warranty claims. This warranty covers manufacturing defects and issues arising from normal use.

SUPPORT

Our professional customer service team is dedicated to providing prompt and quality assistance. If you require any help or support before, during, or after your purchase, please do not hesitate to contact Noua customer service. Refer to the official Noua website or your purchase documentation for specific contact methods and details.