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## ASUS GR101 ROG Z11 CASE/BLK

# ASUS ROG Z11 Mini-ITX/DTX Gaming Case User Manual

MODEL: GR101 ROG Z11 CASE/BLK

## Product Overview

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The ASUS ROG Z11 is a premium Mini-ITX/DTX gaming case designed for enthusiasts seeking both high performance and aesthetic appeal. It features a patented 110 tilt design for optimized airflow, extensive connectivity options, and support for powerful components, all within a compact yet spacious form factor.



Figure 1: The ASUS ROG Z11 Mini-ITX/DTX Gaming Case, showcasing its sleek black design and tempered glass panels.

## Key Features

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**Patented 110 Tilt Design**

The unique 110 tilt design of the ROG Z11 case enhances cooling efficiency by providing an additional 40 mm of space behind the motherboard. This design optimizes airflow around critical components such as the CPU, GPU, and M.2 SSDs installed on the rear of the motherboard, contributing to lower operating temperatures and improved system stability.

## Patented 11° Tilt Design

Enables optimal cooling by allowing greater airflow around the CPU, graphic card, and a back-mounted M.2 SSD



Figure 2: Illustration of the patented 110 tilt design, demonstrating how it creates additional space for enhanced airflow and cooling.

### Superior Cooling and Expandability

The ROG Z11 supports comprehensive cooling solutions, accommodating up to five fans and a 240mm radiator. This robust cooling capability ensures efficient heat dissipation, maintaining optimal temperatures for high-performance components during demanding tasks. The case is designed to support both air and water cooling methods.

# Superior Cooling and Expandability

Supports up to five fans and a rear 240 mm radiator, delivering efficient airflow and enhanced heat dissipation



Figure 3: Diagram showing the fan and radiator mounting points within the ROG Z11 case, highlighting support for up to five fans and a 240mm radiator.

## Extensive Connectivity

Equipped with a built-in extension hub and a rich array of front panel I/O ports, the ROG Z11 offers convenient connectivity for various devices. The front panel includes a USB 3.2 Gen 2 Type-C port, two USB 3.2 Gen 1 Type-A ports, and an ARGB control button for customizable lighting effects. The internal hub supports 6 x 4-pin PWM fans, 3 x ARGB fans/LED strips, and 1 x dedicated USB 2.0 for AIO.

# Extensive Connectivity

A built-in extension hub and several front panel I/O ports make connecting components and devices a breeze

6

4-pin  
PWM Fans

3

ARGB  
Fans/LED strips

1

Dedicated USB 2.0  
for AIO

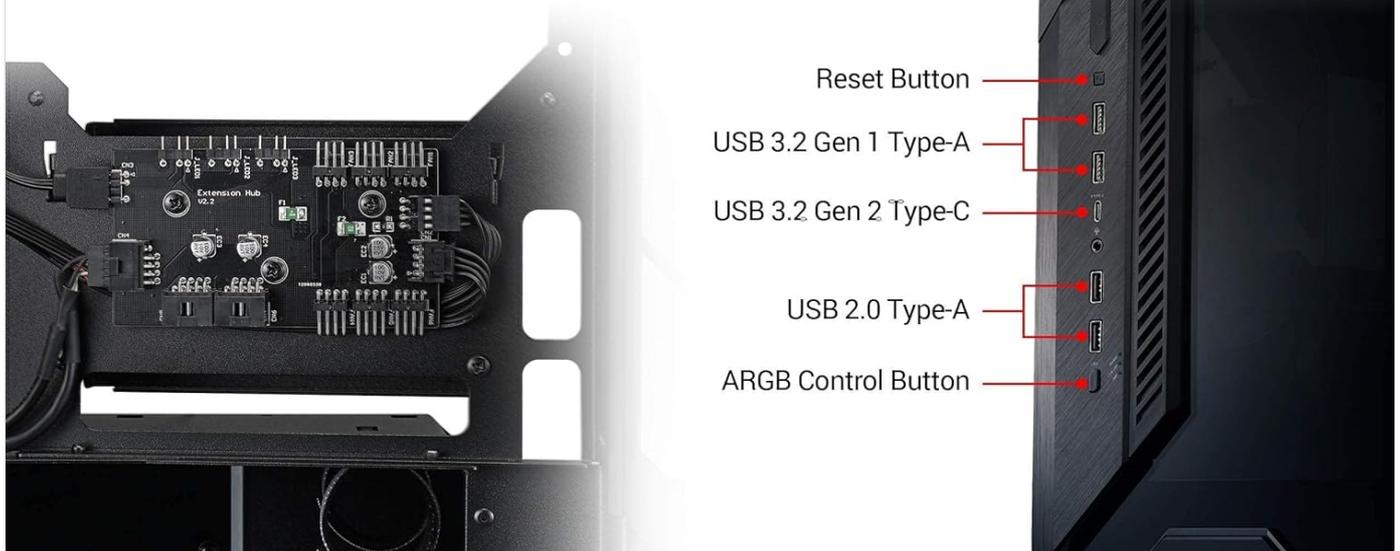


Figure 4: Close-up view of the front panel I/O ports and the internal extension hub, detailing the available connections.

## Ready for Powerful Components

Despite its Mini-ITX/DTX form factor, the ROG Z11 is engineered to house high-performance hardware. It supports standard ATX power supplies and 3-slot graphics cards without requiring a riser cable, providing flexibility for powerful gaming builds. The case also offers ample storage options, supporting up to one 3.5-inch HDD and four 2.5-inch SSDs.

# Ready for Powerful Components

Supports a wide range of high-demand hardware, including an ATX PSU and 3-slot graphics card without a riser cable



Figure 5: Internal view illustrating the maximum dimensions for graphics cards, CPU coolers, and the placement of ATX/SFX PSUs and storage drives.

## Easy Installation & Maintenance

The ROG Z11 is designed for user-friendly assembly and upkeep. It features extra cable routing space (40mm), convenient cable strips, and a multifunction cover to neatly hide cabling. Removable dust filters located on the top, bottom, left, front, and back sides ensure easy cleaning and help maintain a dust-free interior, prolonging component lifespan.

# Easy Installation & Maintenance

Extra cable routing space, cable strips and removable dust filters keep any build clean and tidy



Figure 6: Internal view highlighting the cable routing space, cable strips, multifunction cover, and locations of removable dust filters.

## Dual Orientation

The ROG Z11 offers versatile placement options, allowing it to be oriented both horizontally and vertically. This flexibility ensures the case can seamlessly integrate into various desk setups and environments while maintaining its striking aesthetic.

# Dual Orientation

Offers a stunning look both horizontally and vertically



Figure 7: The ASUS ROG Z11 case displayed in both its horizontal and vertical orientations, showcasing its adaptability.

## Setup Guide

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Before beginning the assembly process, ensure you have all necessary components and tools. It is recommended to work on a clean, static-free surface.

1. **Unboxing:** Carefully remove the case from its packaging. Inspect for any shipping damage.
2. **Panel Removal:** Refer to the official user manual for instructions on removing the tempered glass side panels and other access panels to begin component installation.
3. **Motherboard Installation:** Install your Mini-ITX or DTX motherboard into the designated area. Ensure all standoffs are correctly aligned.
4. **Power Supply Installation:** Mount your ATX power supply in the bottom compartment.
5. **Graphics Card Installation:** Install your 3-slot graphics card. No riser cable is required.
6. **Storage Installation:** Install your HDDs and SSDs into the available drive bays.
7. **Cooling System Setup:** Install any additional fans or radiators as per your cooling configuration.

8. **Cable Management:** Utilize the extra cable routing space and cable strips to organize all power and data cables. This is crucial for optimal airflow and aesthetics.
9. **Final Assembly:** Reattach all panels securely.

For detailed, step-by-step instructions and diagrams, please consult the comprehensive user manual provided by ASUS.

## Operating the Case

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Once your system is fully assembled and connected, operating the ASUS ROG Z11 case is straightforward:

- **Power Button:** Located on the front I/O panel, press to power on or off your system.
- **ARGB Control Button:** Use this button on the front panel to cycle through various Aura Sync lighting effects for the integrated RGB elements.
- **USB Ports:** Utilize the front USB 3.2 Gen 2 Type-C and USB 3.2 Gen 1 Type-A ports for connecting peripherals and external storage devices.

## Maintenance

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Regular maintenance helps ensure optimal performance and longevity of your system:

- **Dust Filter Cleaning:** Periodically remove and clean the magnetic dust filters located on the top, bottom, left, front, and back sides of the case. Use compressed air or a soft brush to remove accumulated dust.
- **Interior Cleaning:** With the system powered off and unplugged, use compressed air to clear dust from internal components, paying attention to fan blades and heatsinks.
- **Exterior Cleaning:** Wipe the exterior surfaces, including tempered glass panels and aluminum frame, with a soft, damp cloth. Avoid abrasive cleaners.

## Troubleshooting

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This section addresses common issues you might encounter. For more complex problems, refer to the official ASUS support resources.

- **Poor Airflow/High Temperatures:**
  - Ensure all dust filters are clean.
  - Verify that all installed fans are operating correctly and oriented for optimal airflow (intake/exhaust).
  - Check for proper cable management to avoid obstructing airflow paths.
- **Front Panel I/O Not Functioning:**
  - Confirm that all front panel connectors (USB, audio, power, reset, ARGB) are securely connected to the motherboard headers and the internal extension hub.
- **ARGB Lighting Issues:**
  - Ensure the ARGB control button cable is connected.
  - Verify that ARGB devices are properly connected to the internal extension hub and that the hub is powered.
  - Check Aura Sync software settings if using software control.

## Specifications

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## ASUS ROG Z11 Case Specifications

Feature	Detail
Model Name	ROG Z11
Item Model Number	GR101 ROG Z11 CASE/BLK
Motherboard Compatibility	Mini ITX / DTX
Case Type	Mini-Tower
Dimensions (LxWxH)	24.17 x 10.94 x 18.7 inches
Item Weight	19.14 pounds
Material	Tempered Glass, Aluminum
Color	Black
Power Supply Mounting Type	Bottom Mount (Supports ATX PSU)
Cooling Method	Water, Air
Max GPU Length	Supports 3-slot graphics card
Max CPU Cooler Height	Up to 130mm
Drive Bays	Max. HDD x 1 & SSD x 2, Max. SSD x 4
Front I/O Ports	1x USB 3.2 Gen 2 Type-C, 2x USB 3.2 Gen 1 Type-A, ARGB Control Button
Internal Hub	6x 4-pin PWM Fans, 3x ARGB Fans/LED strips, 1x Dedicated USB 2.0 for AIO

## Warranty and Support

ASUS products are manufactured to the highest quality standards. For information regarding the warranty period and terms for your ROG Z11 case, please refer to the warranty card included with your product or visit the official ASUS support website.

For technical assistance, driver downloads, FAQs, and further support, please visit the official ASUS support portal. Having your product model number (GR101 ROG Z11 CASE/BLK) and serial number ready will help expedite the support process.