## Zalman Z7 Neo

# Zalman Z7 NEO ATX Mid-Tower PC Case Instruction Manual

Model: Z7 NEO | Brand: Zalman

## 1. Introduction

The Zalman Z7 NEO is an ATX mid-tower gaming PC case designed for high-performance systems. It features tempered glass front and side panels for an aesthetic view of internal components, enhanced by four pre-installed 120mm RGB LED ring fans. The case includes an RGB LED controller for customizable lighting effects and offers excellent compatibility for various hardware configurations, supported by efficient cable management solutions.




Figure 1: Front view of the Zalman Z7 NEO PC Case with red RGB fans.

## 2. Product Overview & Components

### 2.1. Front I/O Panel

The convenient front I/O panel provides easy access to essential ports and controls:

- 2x USB 3.0 Ports
- 2x USB 2.0 Ports
- Headphone Jack
- Microphone Jack
- LED Control Button
- Reset Button

- Power Button




Figure 2: Detailed view of the front I/O panel.

### 2.2. Internal Layout & Expandability

The Z7 NEO supports ATX, mATX, and Mini-ITX motherboards. It offers ample space for high-end components, including:

- Max CPU Cooler Height: 165mm
- Max VGA Card Length: 355mm
- Max PSU Length: 180mm
- Drive Bays: 2x 2.5" SSD (Option), 2x Combo (3.5" or 2.5") HDD/SSD

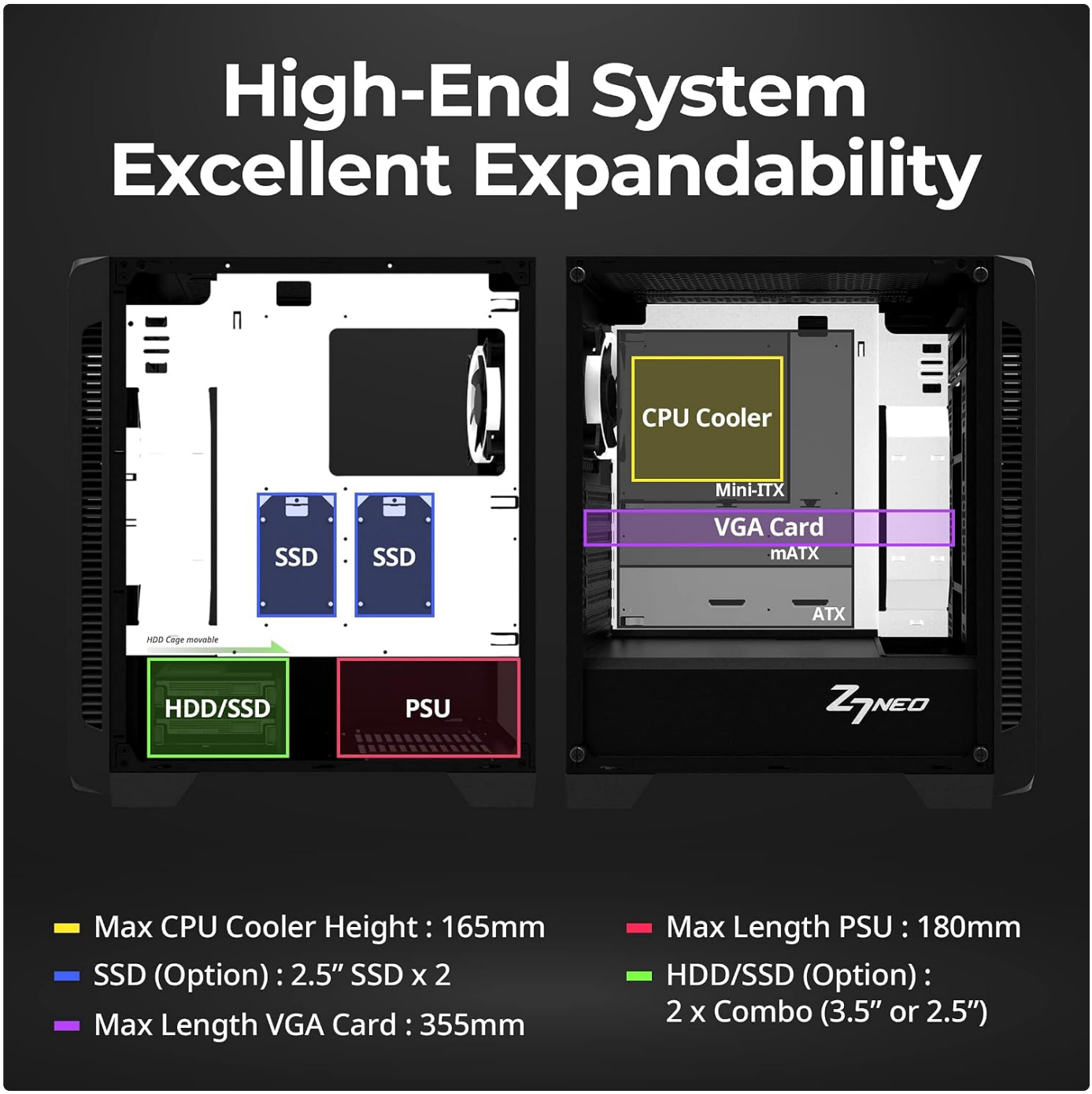



Figure 3: Internal layout and component compatibility.

### 2.3. Cooling Solution

The case comes with 4 pre-installed 120mm RGB LED ring fans (3x front, 1x rear) and supports additional fans for optimal airflow:

- Front: 3x 120mm RGB LED Ring fans (Pre-Installed)
- Rear: 1x 120mm RGB LED Ring fan (Pre-Installed)
- Top: 2x 120mm fans (Option) or 2x 140mm fans (Option, RGB LED Lighting sync unsupported)




Figure 4: Zalman's cooling solution with fan configurations.

## 3. Setup & Installation

### 3.1. Motherboard Installation

Install your ATX, mATX, or Mini-ITX motherboard onto the pre-installed standoffs. Ensure all screws are tightened securely.

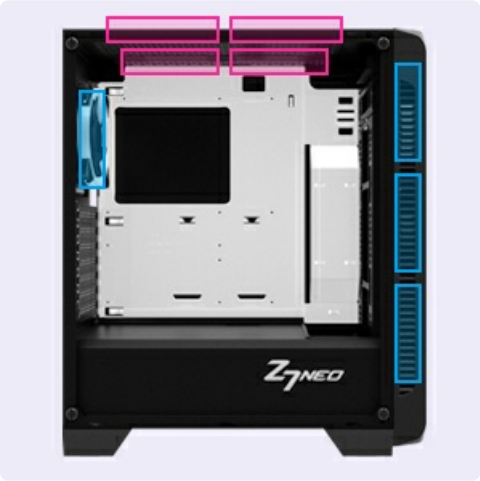



Figure 5: Motherboard compatibility and mounting points.

### 3.2. Drive Installation

Install your 2.5" SSDs and 3.5"/2.5" combo HDDs/SSDs into the designated bays. The case provides tool-less installation for convenience.

### 3.3. Power Supply Unit (PSU) Installation

Mount your power supply unit at the bottom of the case. The dedicated PSU space is designed to improve cooling performance for the PSU, supporting units up to 180mm in length.

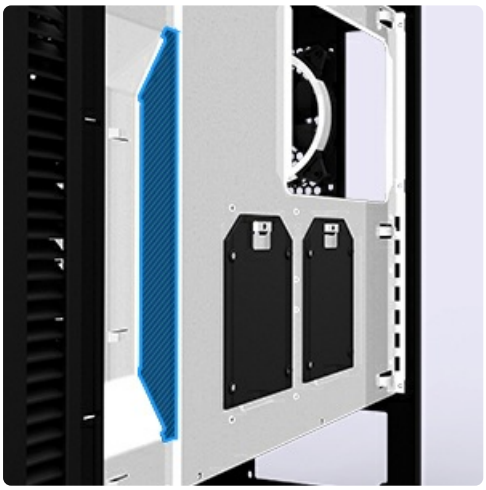


Figure 6: Dedicated PSU space for improved cooling.

### 3.4. Cable Management

Utilize Zalman's Lineage Space Design for clean interior looks. Route cables through the designated cutouts and tie-down points behind the motherboard tray to maintain optimal airflow and aesthetics.

### 3.5. RGB LED Controller Connection

The Z7 NEO includes an RGB LED controller (6 Pin / 8 ports) for managing the pre-installed RGB fans and other compatible RGB components. Connect the controller to your power supply and motherboard (if motherboard sync is desired).

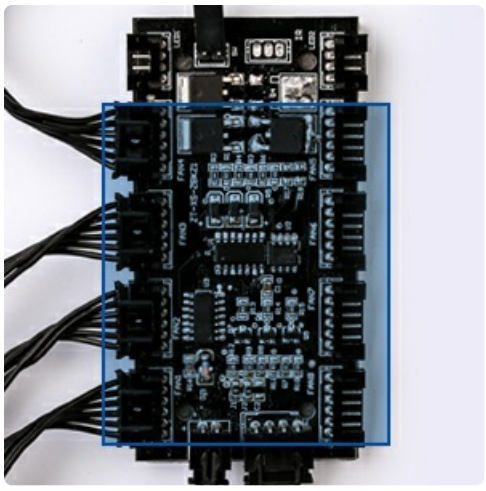


Figure 7: RGB LED Controller for fan and lighting management.

## 4. Operating Instructions

### 4.1. RGB LED Lighting Control

The pre-installed 120mm RGB LED Ring Fans offer various lighting effects and colors. Use the dedicated LED Control Button on the front I/O panel to cycle through 10 different RGB LED lighting modes (effects & colors). The 11th press will turn off the RGB LED lighting.

Press and hold the LED Control Button to switch between LED Control Button mode and Motherboard Sync mode (if your motherboard supports RGB SYNC).




Figure 8: RGB LED lighting modes and control.

### 4.2. Fan Operation

The pre-installed fans operate to provide optimal airflow. Fan speed can be controlled via your motherboard's BIOS settings or dedicated fan control software if connected to PWM headers on your motherboard.

## 5. Maintenance

### 5.1. Dust Filter Cleaning

The Z7 NEO features a top large magnetic dust filter. Regularly remove and clean this filter to prevent dust buildup and maintain optimal airflow. Gently wash the filter with water and allow it to dry completely before reattaching.



Figure 9: Top magnetic dust filter.

### 5.2. Case Cleaning

Wipe the exterior of the case, including the tempered glass panels, with a soft, damp cloth. Avoid using harsh chemicals or abrasive materials that could scratch the surfaces.

## 6. Troubleshooting

### 6.1. No Power

- Ensure the power supply is properly connected to the wall outlet and the motherboard.
- Check that the power button cable from the front I/O panel is correctly connected to the motherboard's front panel header.

### 6.2. RGB Fans Not Lighting Up

- Verify that the RGB LED controller is receiving power from the PSU (SATA power connector).
- Ensure all RGB fans are correctly connected to the RGB LED controller.
- If using motherboard sync, confirm the controller is connected to the motherboard's RGB header and the motherboard's RGB software is configured correctly.

### 6.3. Poor Airflow

- Clean all dust filters, especially the top magnetic filter.
- Ensure all fans are spinning correctly and are not obstructed.
- Check for proper cable management to avoid blocking airflow paths.

## 7. Specifications

| Feature | Value |
| --- | --- |
| Brand | Zalman |
| Series | Z7 NEO |

| Feature | Value |
|---|---|
| Item Model Number | Z7 Neo |
| Case Type | Mid Tower |
| Motherboard Compatibility | ATX, mATX, Mini-ITX |
| Material | Tempered Glass |
| Item Weight | 16 pounds |
| Product Dimensions (LxWxH) | 16.54 x 8.39 x 18.11 inches |
| Number of USB 2.0 Ports | 2 |
| Power Supply Mounting Type | Bottom Mount |
| Cooling Method | Air |
| Fan Size | 120 Millimeters |

## 8. Official Product Video

Official product video showcasing the Zalman Z7 Neo ATX Mid Tower Computer Case.

## 9. Warranty & Support

For warranty information, technical support, or any inquiries regarding your Zalman Z7 NEO PC Case, please visit the official Zalman website or contact their customer service department. Keep your purchase receipt for warranty claims.

Zalman Tech Co., Ltd. is the manufacturer of this product.


### Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

**Name**

Anonymous

**Email**

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

**Question**

Example: How do I reset this device or fix this error?

**Details**

Model number, symptoms, what you tried, or the section of the manual you are using.

**Submit question**