

## ZALMAN T8

# ZALMAN T8 Mid-Tower PC Case CS8140 Instruction Manual

Model: T8BK

## 1. PRODUCT OVERVIEW

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The ZALMAN T8 Mid-Tower PC Case (Model CS8140) is a compact ATX case designed for building desktop computers. It features a 5.25-inch drive bay, an RGB LED accent on the front panel, and support for standard ATX power supplies. The case is constructed from alloy steel and includes a steel side panel.



Figure 1: ZALMAN T8 Mid-Tower PC Case, overall view.

### Key Features:

- Compact ATX form factor support.
- One 5.25-inch drive bay for optical drives or other accessories.
- Front panel RGB LED accent with customizable lighting modes.
- Support for ATX power supplies up to 140mm in depth.
- Steel side panel for durability.
- Multiple internal bays for storage devices.

## 2. SETUP AND INSTALLATION

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This section provides instructions for assembling your computer components within the ZALMAN T8 PC case.

## 2.1 Preparing the Case

1. Place the case on a stable, flat surface.
2. Remove the side panels by unscrewing the thumbscrews at the rear of the case and sliding the panels backward.

## 2.2 Motherboard Installation

1. Install the I/O shield into the rear opening of the case.
2. Ensure the motherboard standoffs are correctly aligned with your ATX motherboard's mounting holes. Adjust if necessary.
3. Carefully place the motherboard onto the standoffs.
4. Secure the motherboard with the provided screws. Avoid overtightening.

## 2.3 Power Supply Installation

1. Position the ATX power supply in the bottom rear compartment of the case.
2. Align the screw holes and secure the power supply with screws from the rear of the case.

## 2.4 Drive Installation

The ZALMAN T8 supports one 5.25-inch optical drive, and multiple 2.5-inch and 3.5-inch storage drives.



Figure 2: Internal layout of the ZALMAN T8 case, illustrating component placement and drive bays.

### 5.25-inch Optical Drive:

1. Remove the front panel cover for the 5.25-inch bay.
2. Slide the optical drive into the bay from the front until the screw holes align.
3. Secure the drive with screws.

### 2.5-inch SSD/HDD and 3.5-inch HDD:

1. Locate the designated mounting points for 2.5-inch and 3.5-inch drives inside the case.
2. Mount the drives using the appropriate screws. Ensure proper orientation for cable connections.

## 2.5 Fan Installation

The case supports various fan configurations for optimal airflow.



Figure 3: Right side panel of the ZALMAN T8 case, showing the ventilation area for optional fan installation.

- **Front:** Supports one 140mm intake fan.
- **Rear:** Supports one 120mm exhaust fan.
- **Side:** Supports one 120mm intake fan (on the right side panel).

Install fans in desired locations, ensuring correct airflow direction. Secure with fan screws.

## 2.6 Front Panel Connections

Connect the front panel cables (USB 2.0, USB 3.0, HD Audio, Power Switch, Reset Switch, Power LED, HDD LED) to the corresponding headers on your motherboard. Refer to your motherboard manual for exact header locations.



Figure 4: Top I/O ports and front panel RGB LED strip on the ZALMAN T8 case.

- The case features 2 USB 2.0 ports and 1 USB 3.0 port on the top panel.

- The front RGB LED accent is controlled via a dedicated button, often the reset button, which cycles through various lighting modes.

## 2.7 Cable Management

Utilize the space behind the motherboard tray and cable tie points to route and secure cables. This improves airflow and aesthetics.

## 3. OPERATING INSTRUCTIONS

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After completing the hardware installation, ensure all cables are securely connected before powering on your system.

### 3.1 Powering On/Off

1. Press the power button located on the top panel of the case to turn on your computer.
2. To turn off, use the operating system's shutdown function or press and hold the power button for several seconds for a forced shutdown (not recommended for regular use).

### 3.2 RGB LED Control

The front panel RGB LED accent can be customized. Press the dedicated LED control button (often integrated with the reset button) on the top panel to cycle through different lighting effects and colors.

## 4. MAINTENANCE

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Regular maintenance helps ensure optimal performance and longevity of your PC components.

### 4.1 Dust Cleaning

1. Periodically clean dust from the case interior and fan filters using compressed air or a soft brush.
2. Pay attention to intake areas and fan blades to prevent dust buildup, which can hinder airflow and cooling efficiency.

### 4.2 External Cleaning

Wipe the exterior of the case with a soft, damp cloth. Avoid using harsh chemicals or abrasive materials that could damage the finish.

## 5. TROUBLESHOOTING

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This section addresses common issues you might encounter during installation or operation.

### 5.1 Component Alignment Issues

- If screw holes for the motherboard or other components do not align perfectly, gently adjust the component's position. Avoid forcing screws, as this can strip threads or damage parts.
- Ensure all standoffs are correctly installed and tightened before mounting the motherboard.

### 5.2 Cable Length Concerns

- Some internal cables, particularly the front panel USB 3.0 cable, may be stiff or have limited length. Plan your cable routing carefully to ensure they reach their respective motherboard headers without excessive tension.
- For 5.25-inch optical drives, ensure SATA data and power cables are long enough to connect comfortably

without obstructing other components.

### 5.3 Airflow Optimization

- The front panel design may restrict direct airflow. Consider installing an intake fan on the side panel to improve internal air circulation, especially for systems with higher heat output.
- Ensure proper fan orientation: front and side fans typically act as intake, while rear fans act as exhaust.

### 5.4 RGB LED Not Functioning

- Verify that the RGB LED cable from the front panel is correctly connected to the appropriate header on the motherboard or a dedicated RGB controller.
- Press the LED control button (often the reset button) to cycle through modes. If it remains unresponsive, check the connection.

## 6. SPECIFICATIONS

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Detailed technical specifications for the ZALMAN T8 Mid-Tower PC Case.

Feature	Specification
Brand	ZALMAN
Model Number	T8BK
Case Type	Mid-Tower
Motherboard Compatibility	ATX
Color	Black
Material	Alloy Steel
Product Dimensions (D x W x H)	39.5 cm x 20 cm x 42.3 cm
Product Weight	2 kg
5.25-inch Drive Bays	1
Internal Bays (Total)	7 (Combination of 2.5-inch and 3.5-inch)
Front I/O Ports	2 x USB 2.0, 1 x USB 3.0, Audio In/Out
Cooling Method	Air Cooling
Fan Support	Front: 1 x 140mm, Rear: 1 x 120mm, Side: 1 x 120mm
Power Supply Mounting Type	Bottom Mount
Additional Features	RGB Lighting Accent
GTIN (Global Trade Identification Number)	08809213767883
Country of Origin	China

## 7. WARRANTY AND SUPPORT

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## 7.1 Warranty Information

This product comes with a **1-year warranty** from the date of delivery. To claim warranty service, the delivery slip is required. The warranty is limited to use within Japan.

## 7.2 Technical Support

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact your retailer or the official ZALMAN support channels. Keep your purchase receipt and product serial number readily available.