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## Cooler Master E600-KGNN-S02

# Cooler Master Elite 600 ATX Mid-Tower Case Instruction Manual

Model: E600-KGNN-S02

## 1. Product Overview

The Cooler Master Elite 600 is an ATX Mid-Tower PC case designed for high-performance builds. It features a panoramic tempered glass side panel, seven pre-installed reverse ARGB fans for optimal cooling and aesthetics, and modern connectivity including USB 3.2 Gen 2x2 Type-C. This case supports full-size GPUs and extensive liquid cooling configurations.



Image 1.1: Front-side view of the Cooler Master Elite 600 ATX Mid-Tower Case, showcasing the tempered glass panel and pre-installed ARGB fans.

## 2. Setup and Installation

Follow these steps for installing your components into the Cooler Master Elite 600 chassis.

### 2.1 Preparing the Case

1. **Unpack the Case:** Carefully remove the case from its packaging.
2. **Remove Side Panels:** The tempered glass side panel can be removed using the tool-free access mechanism. Locate the quick-release latches or thumbscrews at the rear of the case, depending on the specific panel.
3. **Accessory Box:** Locate the accessory box inside the case, which contains screws, cable ties, and other mounting hardware.



Image 2.1: Internal view of the Cooler Master Elite 600 case, showing the layout for component installation.

## 2.2 Motherboard Installation

1. **Install Standoffs:** Ensure the correct standoffs are installed for your motherboard form factor (ATX, Micro ATX, Mini ITX).
2. **Mount Motherboard:** Carefully place your motherboard onto the standoffs and secure it with the provided screws.

## 2.3 Power Supply Unit (PSU) Installation

1. **Mount PSU:** Install the PSU into its designated compartment, typically at the rear bottom of the case. Secure it with screws.

### 2.4 Storage Drive Installation

The case includes internal bays for storage drives.

1. **Install SSDs/HDDs:** Mount your 2.5-inch SSDs or 3.5-inch HDDs into the designated drive bays. Utilize the tool-free mechanisms or screws as required.

### 2.5 Graphics Card (GPU) Installation

The Elite 600 supports full-size GPUs up to 425mm.

1. **Remove PCIe Slot Covers:** Remove the necessary PCIe slot covers from the rear of the case.
2. **Insert GPU:** Carefully insert your graphics card into the appropriate PCIe slot on the motherboard and secure it with a screw or latch.

### 2.6 Radiator and Fan Installation

The case supports double 360mm radiators and versatile cooling options.

- **Radiator Mounting:** Install radiators in the top, side, or bottom positions as per your cooling configuration.
- **Additional Fans:** If installing additional fans, ensure correct airflow direction.

## 3. Operating Instructions

### 3.1 Front Panel I/O

The front panel provides convenient access to essential ports:

- **Power Button:** Press to power on/off the system.
- **Reset Button:** Press to restart the system.
- **USB 3.2 Gen 2x2 Type-C Port:** For high-speed data transfer with compatible devices.
- **USB Type-A Ports:** For connecting various USB devices.
- **Audio Jacks:** For headphones and microphones.



Image 3.1: Close-up view of the Cooler Master Elite 600's top I/O panel, featuring USB ports and audio jacks.

### 3.2 ARGB Fan Control

The Elite 600 comes with seven pre-installed reverse ARGB fans. These fans are typically connected to a central ARGB controller or directly to your motherboard's ARGB header.

- **Motherboard Software:** If connected to an ARGB header on your motherboard, use your motherboard's RGB software (e.g., ASUS Aura Sync, MSI Mystic Light, Gigabyte RGB Fusion) to customize lighting effects.
- **Dedicated Controller:** If a dedicated ARGB controller is included or purchased separately, refer to its specific instructions for lighting control.

## 4. Maintenance

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

- **Dust Filters:** Periodically remove and clean the dust filters located on the top, bottom, and front (if applicable) of the case. Use compressed air or a soft brush to remove accumulated dust.
- **Tempered Glass Panel:** Clean the tempered glass panel with a soft, lint-free cloth and a non-abrasive glass

cleaner. Avoid harsh chemicals that could damage the glass or coating.

- **Internal Cleaning:** Every few months, open the case and use compressed air to gently remove dust from fans, heatsinks, and other internal components. Ensure the system is powered off and unplugged before cleaning.

## 5. Troubleshooting

If you encounter issues with your Cooler Master Elite 600 case, consider the following common solutions:

- **System Not Powering On:**
  - Check all power connections, including the 24-pin ATX and 8-pin CPU power cables to the motherboard, and the PSU's connection to the wall outlet.
  - Ensure the power button cable from the front panel is correctly connected to the motherboard's front panel header.
  - Verify the PSU switch is in the 'ON' position.
- **ARGB Fans Not Lighting Up:**
  - Confirm that the ARGB cables from the fans are securely connected to the ARGB controller or motherboard header.
  - Ensure the ARGB controller (if present) is receiving power.
  - Check your motherboard's BIOS/UEFI settings or RGB software to ensure ARGB control is enabled and configured.
- **USB Ports Not Functioning:**
  - Verify that the USB 3.0/3.2 and USB Type-C cables from the front panel are correctly connected to the corresponding headers on your motherboard.
  - Ensure motherboard drivers are up to date.
- **Poor Airflow/Overheating:**
  - Clean dust filters and internal components as described in the Maintenance section.
  - Ensure fans are oriented correctly for optimal intake and exhaust airflow.
  - Check for any obstructions blocking airflow inside the case.

## 6. Specifications

Detailed specifications for the Cooler Master Elite 600 ATX Mid-Tower Case:

| Feature | Specification |
| --- | --- |
| Model Name | Elite 600 |
| Model Number | E600-KGNN-S02 |
| Case Type | Mid Tower |
| Motherboard Compatibility | ATX, Micro ATX, Mini ITX |
| Color | Black |

| Feature | Specification |
|---|---|
| Materials | SPCC, Stainless Steel, Tempered Glass |
| Dimensions (D x W x H) | 44.5D x 28.5W x 41H Centimeters |
| Item Weight | 6.71 Kilograms |
| Pre-installed Fans | 7x Reverse ARGB Fans |
| Radiator Support | Up to Double 360mm Radiators |
| GPU Clearance | Up to 425mm |
| Internal Drive Bays | 2 |
| Front I/O Ports | USB 3.2 Gen 2x2 Type-C, USB Type-A, Audio Jacks |
| Cooling Method | Air, Water |

## 7. Warranty and Support

The Cooler Master Elite 600 ATX Mid-Tower Case comes with a**2-year warranty** from the date of purchase. For technical support, warranty claims, or further assistance, please visit the official Cooler Master website or contact their customer service department.
You can find more information and support resources on theCooler Master Store on Amazon.


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