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# Antec AX61 Elite Mid-Tower ATX Gaming Case User Manual

Model: AX61 Elite

## PRODUCT OVERVIEW

The Antec AX61 Elite is a mid-tower ATX gaming case designed for high-performance systems. It features a high-airflow mesh front panel, tempered glass side panels, and comes with four pre-installed 120mm ARGB fans (three in the front and one in the rear) for efficient cooling and customizable lighting. The case supports various motherboard form factors, multiple storage drives, and offers ample space for cable management.



Image: Front-side view of the Antec AX61 Elite Mid-Tower ATX Gaming Case, showcasing its mesh front panel and four pre-installed ARGB fans with vibrant lighting, along with the tempered glass side panel.

## SETUP INSTRUCTIONS

Follow these steps to set up your Antec AX61 Elite gaming case and install your components.

1. **Unpacking:** Carefully remove the case from its packaging. Inspect for any damage during transit.
2. **Side Panel Removal:** Locate and unscrew the thumb screws on the tempered glass side panel. Gently slide and lift the panel to remove it. Repeat for the solid side panel if necessary for cable management.
3. **Motherboard Installation:** Install the necessary standoffs for your motherboard form factor (ATX, Micro-ATX, ITX). Carefully place your motherboard into the case, aligning it with the standoffs and I/O shield opening. Secure it with screws.
4. **Power Supply Installation:** Install your power supply unit (PSU) into the bottom mount bay. Secure it with screws from the rear of the case.
5. **Storage Drive Installation:**
  - For 3.5" HDDs: Install drives into the designated drive cages, typically located near the PSU shroud.
  - For 2.5" SSDs: Mount SSDs onto the dedicated SSD trays or mounting points.
6. **Graphics Card (GPU) Installation:** Insert your graphics card into the appropriate PCIe slot on your motherboard. Secure it with the provided screws or retention mechanism. The case supports GPUs up to 320mm in length.
7. **CPU Cooler Installation:** Install your CPU cooler. The case supports CPU coolers up to 160mm in height.
8. **Cable Management:** Utilize the 24mm depth on the left side and 13mm on the right side behind the motherboard tray for routing and managing cables. This helps maintain optimal airflow and a clean build appearance.
9. **Fan and ARGB Connections:** The case comes with four pre-installed ARGB fans. Connect the fan power cables to your motherboard's fan headers or a fan controller. Connect the ARGB cables to your motherboard's 3-pin 5V ARGB header for synchronized lighting control. If your motherboard does not have an ARGB header, the fans can be controlled via the case's integrated controller (if applicable, typically via a button on the I/O panel).
10. **Front I/O Connections:** Connect the front panel cables (USB 2.0, USB 3.0, Audio, Power, Reset, LED) to their respective headers on your motherboard.
11. **Final Assembly:** Once all components are installed and cables are managed, reattach the side panels.

# COMPATIBILITY

• Motherboard support	<b>ATX, Micro-ATX, ITX</b>	• 2.5"	<b>2</b>
• CPU cooler max height	<b>≤ 160mm</b>	• 3.5"/2.5" Drive Mounts	<b>2 / 1</b>
• GPU max length	<b>≤ 320mm</b>	• Power Supply max length	<b>≤ 165 mm (with HDD) ≤ 345 mm (without HDD)</b>

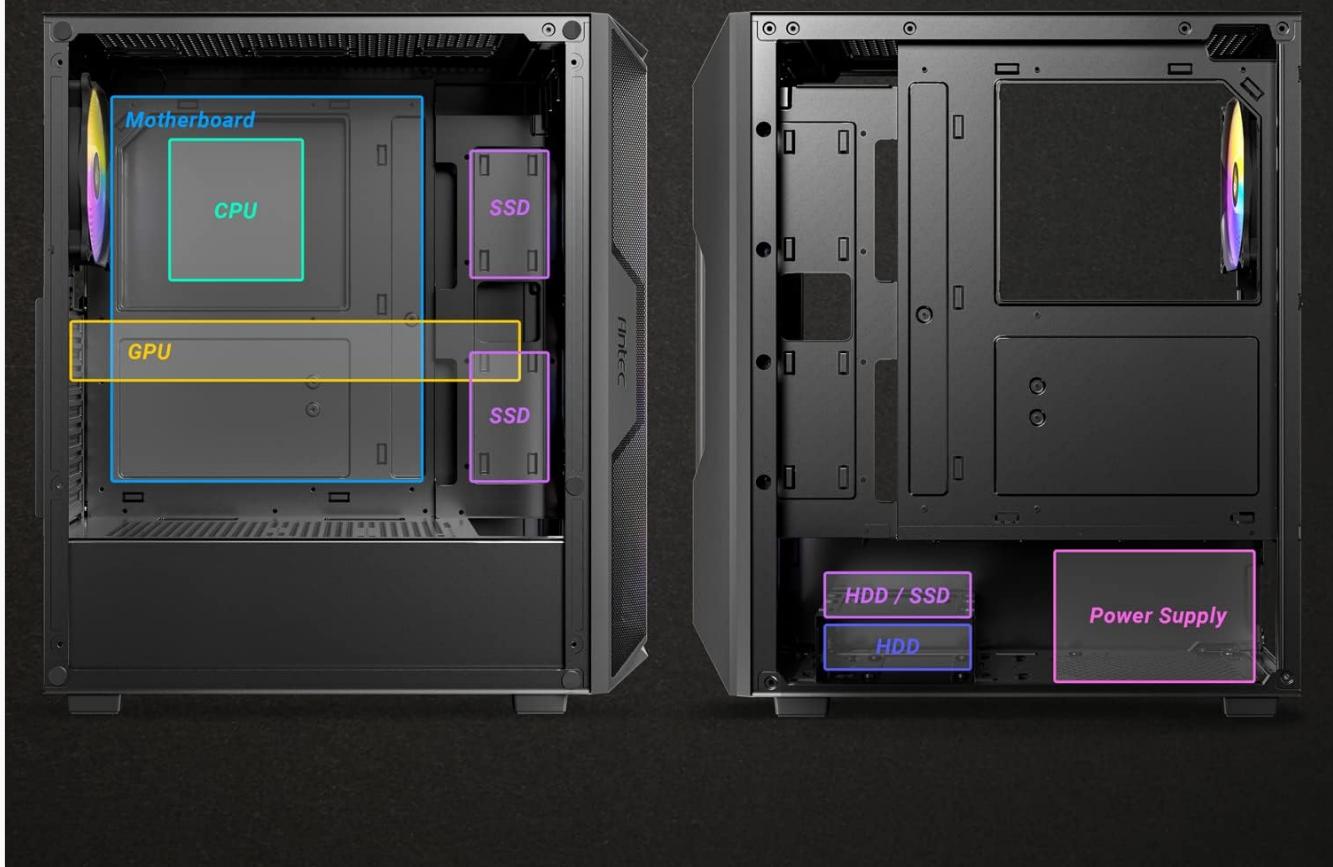


Image: Diagram illustrating the internal layout and component compatibility of the Antec AX61 Elite case, showing locations for motherboard, CPU, GPU, SSDs, HDDs, and power supply, along with maximum dimensions for GPU, CPU cooler, and PSU.

# NEAT BUILD WITHIN REACH

There are 24mm depth on the left side and 13mm on the right side for easy cable management.

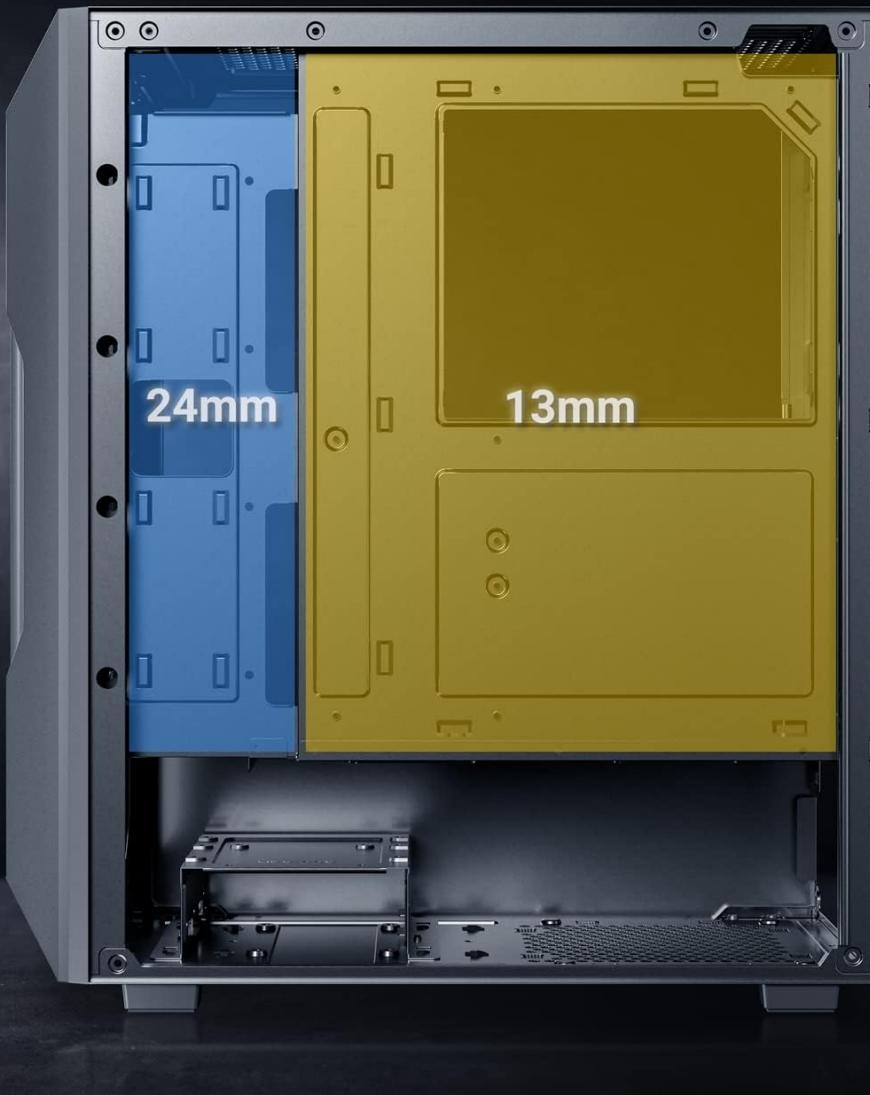


Image: Internal view of the Antec AX61 Elite case highlighting the cable management space behind the motherboard tray, indicating 24mm depth on the left side and 13mm on the right side for routing cables.

## OPERATING INSTRUCTIONS

After successful component installation, follow these guidelines for operating your system within the Antec AX61 Elite case.

- **Power On:** Press the power button on the front I/O panel to start your system.
- **ARGB Lighting Control:**
  - If connected to a motherboard's 3-pin 5V ARGB header, use your motherboard's RGB software (e.g., ASUS Aura Sync, MSI Mystic Light Sync, GIGABYTE RGB Fusion) to customize lighting effects and synchronize with other ARGB components.
  - If using the integrated case controller, press the dedicated LED control button on the front I/O panel to cycle through pre-set lighting modes. Holding the reset button for a few seconds may also sync the fan colors with the CPU cooler if connected to the motherboard.

- **Airflow and Cooling:** The high-airflow mesh front panel and pre-installed fans are designed for optimal cooling. Ensure no obstructions block the front intake or rear/top exhaust vents.



## HIGH-AIRFLOW FRONT PANEL

All-round airflow paths provide highly efficient cooling. Air intakes at the front and bottom ensure outstanding heat dissipation.

Image: Angled view of the Antec AX61 Elite case, emphasizing the high-airflow mesh front panel and the three illuminated ARGB fans, with text indicating efficient cooling through all-round airflow paths.

# IN SYNC WITH MOTHERBOARD FOR ARGB LIGHTING

Use the main case fan to daisy-chain the other two fans for ARGB sync and create your personal style.

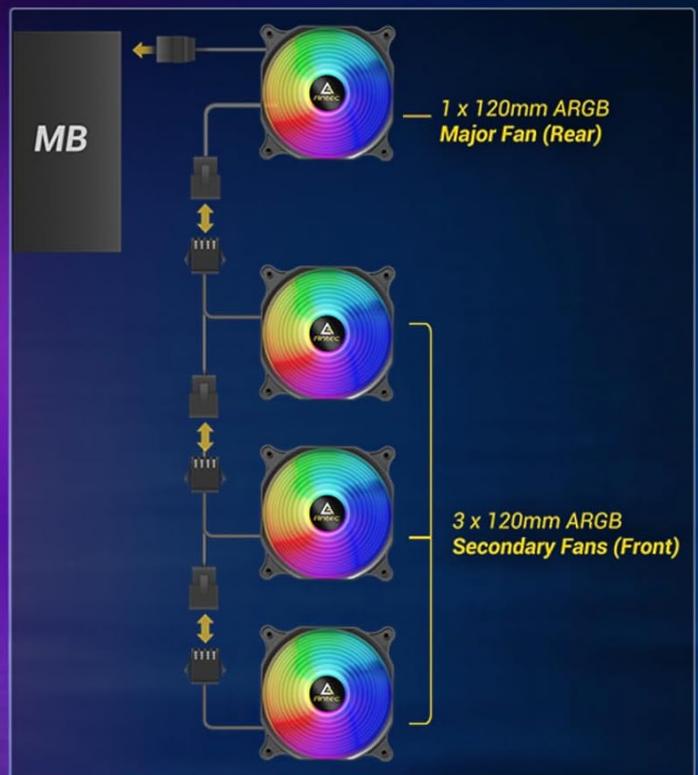


Image: Diagram showing how the Antec AX61 Elite's ARGB fans can be daisy-chained and connected to a motherboard's ARGB header for synchronized lighting, with an illustration of the front and rear fans connected to the motherboard (MB).

## MAINTENANCE

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

- Dust Filter Cleaning:** The case features dust filters (e.g., on the front and top). Regularly remove and clean these filters to prevent dust buildup inside the case, which can impede airflow and cooling efficiency. Use compressed air or a soft brush.
- Internal Dust Removal:** Periodically open the side panels and use compressed air to gently remove dust from internal components such as CPU cooler fins, GPU heatsinks, and fan blades. Ensure the system is powered off and unplugged before performing this.
- Tempered Glass Care:** Clean the tempered glass side panel with a soft, lint-free cloth and a non-abrasive glass cleaner. Avoid harsh chemicals or abrasive materials that could scratch the glass. Handle the tempered glass with care during removal and reinstallation to prevent accidental damage.

## TROUBLESHOOTING

This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
System does not power on.	Front panel power switch not connected correctly. PSU not receiving power or switched off. Motherboard power cables loose.	Verify front panel power switch connection to motherboard. Check PSU power cable and ensure PSU switch is ON. Reseat 24-pin ATX and 8-pin CPU power cables.
ARGB fans not lighting up or syncing.	ARGB cables not connected to motherboard or controller. Incorrect ARGB header used (e.g., 12V RGB instead of 5V ARGB). Software issue.	Ensure 3-pin 5V ARGB cables are securely connected. Confirm connection to a 5V ARGB header. Try cycling modes with the case's LED button. Update or reinstall motherboard RGB software.
Poor airflow or high temperatures.	Dust buildup on filters or components. Incorrect fan orientation. Obstructed vents.	Clean dust filters and internal components. Ensure front fans are intake and rear/top fans are exhaust. Remove any obstructions from case vents.

## SPECIFICATIONS

Feature	Detail
Model Name	AX61 Elite
Case Type	Mid Tower
Motherboard Compatibility	ATX, Micro-ATX, ITX
Dimensions (LxWxH)	15.94 x 17.67 x 7.87 inches
Item Weight	10.65 pounds
Pre-installed Fans	4 x 120mm ARGB Fans (3 Front, 1 Rear)
Max Fan Support	Up to 8 x 120mm fans simultaneously
Radiator Support	Up to 360mm (Front), 240mm (Top), 120mm (Rear)
Max CPU Cooler Height	160mm
Max GPU Length	320mm
Drive Bays	2 x 3.5" / 1 x 2.5" (convertible), 2 x 2.5"
Front I/O Ports	2 x USB 2.0, 1 x USB 3.0, HD Audio (Mic & Headphone)
Material	Steel, Tempered Glass

# UP TO 8 X 120MM FANS SIMULTANEOUSLY

Included Fans : 3 x 120mm ARGB fans in front & 1 x 120mm ARGB fan in rear



Image: Diagrams illustrating the fan and radiator compatibility of the Antec AX61 Elite case, showing various mounting points for 120mm and 140mm fans, and support for radiators up to 360mm.

# POWERFUL COOLING COMPATIBILITY

Max. CPU Cooler Height : 160mm. Supports most of the high-end air coolers.



Image: Internal view of the Antec AX61 Elite case showing the clearance for a CPU cooler, indicating support for coolers up to 160mm in height.

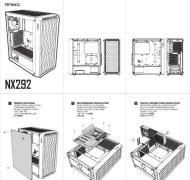
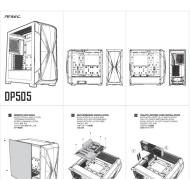
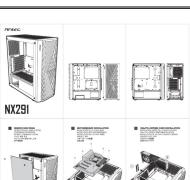
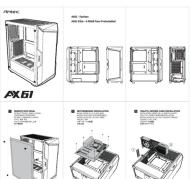
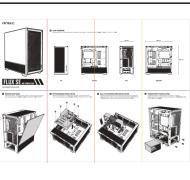
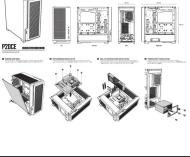
## WARRANTY AND SUPPORT

Antec products are designed and manufactured to the highest standards. For warranty information and technical support, please refer to the official Antec website or contact their customer service directly. Keep your proof of purchase for warranty claims.

**Antec Official Website:** [www.antec.com](http://www.antec.com)

For specific product support or troubleshooting not covered in this manual, please visit the support section of the Antec website or contact their technical support team.

## Related Documents - AX61 Elite

 NX292	<p><a href="#">Antec NX292 ATX Gaming PC Case - Manual and Overview</a></p> <p>User manual and overview for the Antec NX292 ATX mid-tower gaming PC case, highlighting its features like fixed RGB fans and tempered glass side panel, along with storage support for HDD and SSD.</p>
 DP505	<p><a href="#">Antec DP505 PC Case - Gaming Mid Tower with EATX Support</a></p> <p>Antec DP505 is a white gaming mid-tower PC case featuring EATX support, Type-C Gen2, ARGB fans, PWM control, radiator support, GPU bracket, and tempered glass.</p>
 NX291	<p><a href="#">Antec NX291 ATX Tower Gaming Case - User Manual</a></p> <p>User manual and product overview for the Antec NX291 ATX Tower gaming case, detailing its features such as fixed mode RGB fans, tempered glass side panel, and budget-friendly design.</p>
 AX61	<p><a href="#">Antec AX61 Elite PC Case Installation Guide</a></p> <p>Step-by-step installation instructions for the Antec AX61 Elite computer case, covering component mounting for motherboard, graphics card, storage, power supply, fans, and liquid cooling.</p>
 FLUX SE	<p><a href="#">Antec Flux SE PC Case User Manual and Overview</a></p> <p>Comprehensive guide to the Antec Flux SE mid-tower PC case, covering features, specifications, and installation instructions. Learn about its airflow design, cooling support, and build quality for optimal PC performance.</p>
 P20CE	<p><a href="#">Antec P20CE PC Case User Manual and Specifications</a></p> <p>Comprehensive user manual and technical specifications for the Antec P20CE E-ATX gaming PC case. Learn about installation, features, cooling support, and component clearances.</p>