## Antec C5 ARGB WHITE

# Antec C5 ARGB White PC Case User Manual

Model: C5 ARGB WHITE

## 1. INTRODUCTION

Thank you for choosing the Antec C5 ARGB White Mid-Tower ATX PC Case. This manual provides essential information for the proper setup, operation, and maintenance of your new PC case. Designed for optimal airflow and stunning aesthetics, the C5 ARGB White features seamless tempered glass panels, pre-installed ARGB PWM fans, and extensive compatibility for modern PC components.

## 2. KEY FEATURES

- **Full-View PC Case:** Seamless edge design on front and side panels with 270° tempered glass for an uninterrupted panoramic view.
- **Dual Chamber Design:** Separates cooling for CPU/GPU from PSU/drives, featuring 95mm cable management space.
- **Back-Connect Motherboard Support:** Compatible with next-gen back-connect motherboards for cleaner cable routing and improved airflow.
- **Pre-Installed ARGB PWM Fans:** Includes 7 x 120mm ARGB PWM fans (6 reverse fans) for massive air intake and efficient cooling.
- **Built-In ARGB & PWM Fan Controller:** Allows lighting effects to be switched via LED button or synchronized with the motherboard.
- **Extensive Cooling Compatibility:** Supports up to 10 x 120mm fans simultaneously and accommodates 360mm radiators on top and bottom, and a 280mm radiator on the side.
- **RTX 40 Series Graphics Card Support:** Ample space for large GPUs, up to 410mm in length.
- **Tool-Free Front Panel:** Stylish front panel with ARGB lighting strip for easy access and aesthetic appeal.
- **Versatile Storage Compatibility:** Removable hard drive cage supports 1 x 3.5" HDD and 2 x 2.5" SSD, with additional options.
- **Magnetic Dust Filters:** Top and bottom magnetic dust filters for easy cleaning and dust-free air intake.
- **Modern I/O Panel:** Equipped with 2 x USB 3.0, 2 x USB 2.0, HD-AUDIO, Mic, and 1 x Type-C 3.2 Gen 2 port

for high-speed transmission.

# 3. SETUP AND INSTALLATION

## 3.1 Component Installation Overview

Before beginning installation, ensure you have all necessary components and tools. The Antec C5 ARGB White case is designed for ease of assembly.



Figure 1: Fully assembled Antec C5 ARGB White PC Case showcasing internal components and ARGB lighting.

## 3.2 Removing Panels

The tempered glass front and side panels feature a tool-free design for easy removal. Gently pull the panels to detach them from the chassis. Exercise caution to prevent damage to the glass.
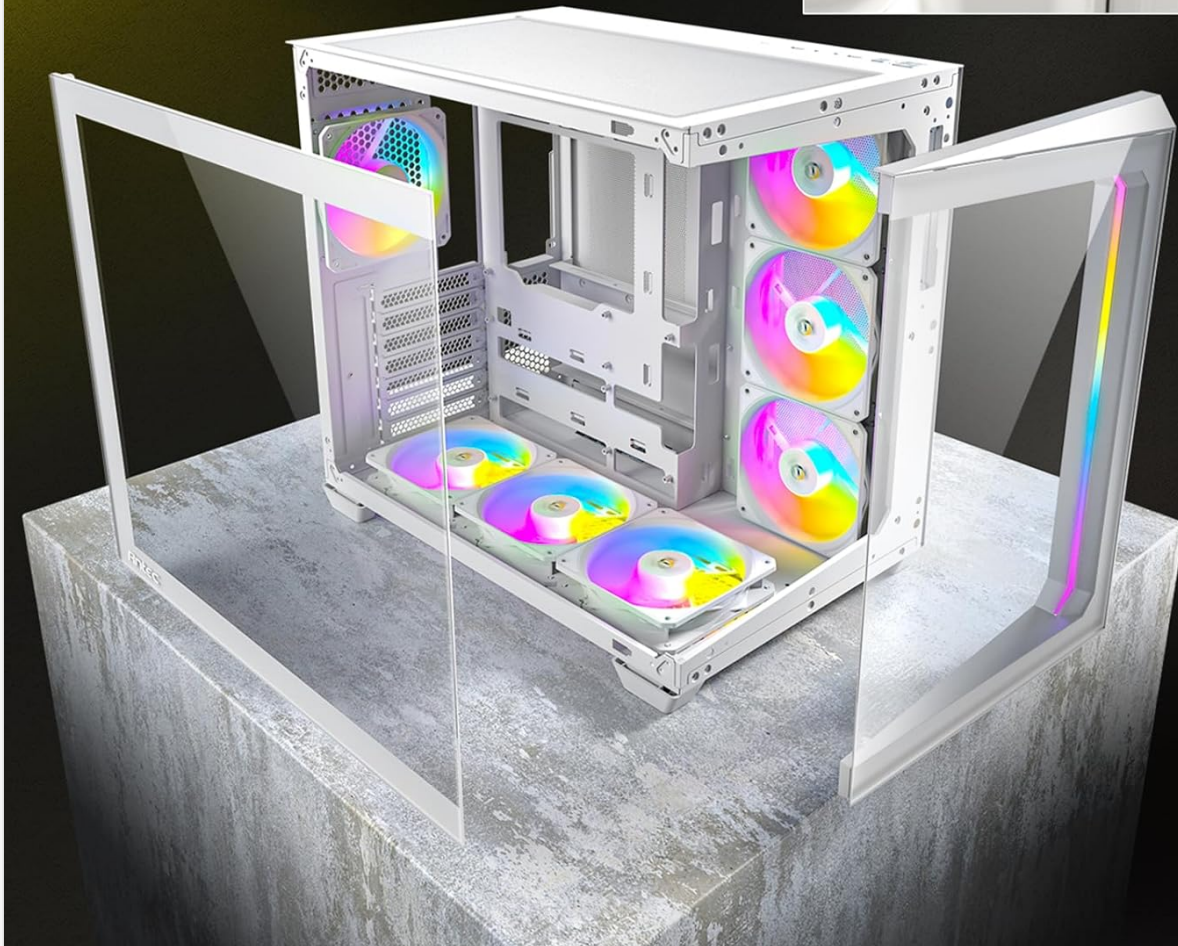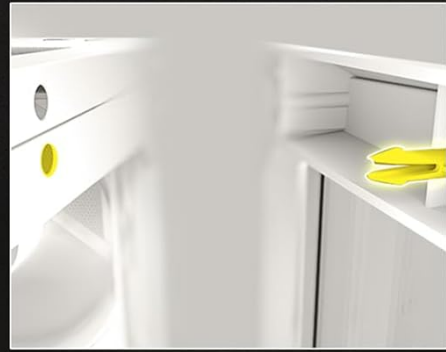
Figure 2: The Antec C5 ARGB White case with its front and side tempered glass panels opened, demonstrating the tool-free access.

## 3.3 Motherboard Installation

The case supports ATX and Micro-ATX motherboards. For back-connect motherboards, ensure cables are routed through the rear chamber for a clean aesthetic and optimized airflow. Install standoffs as required by your motherboard form factor.
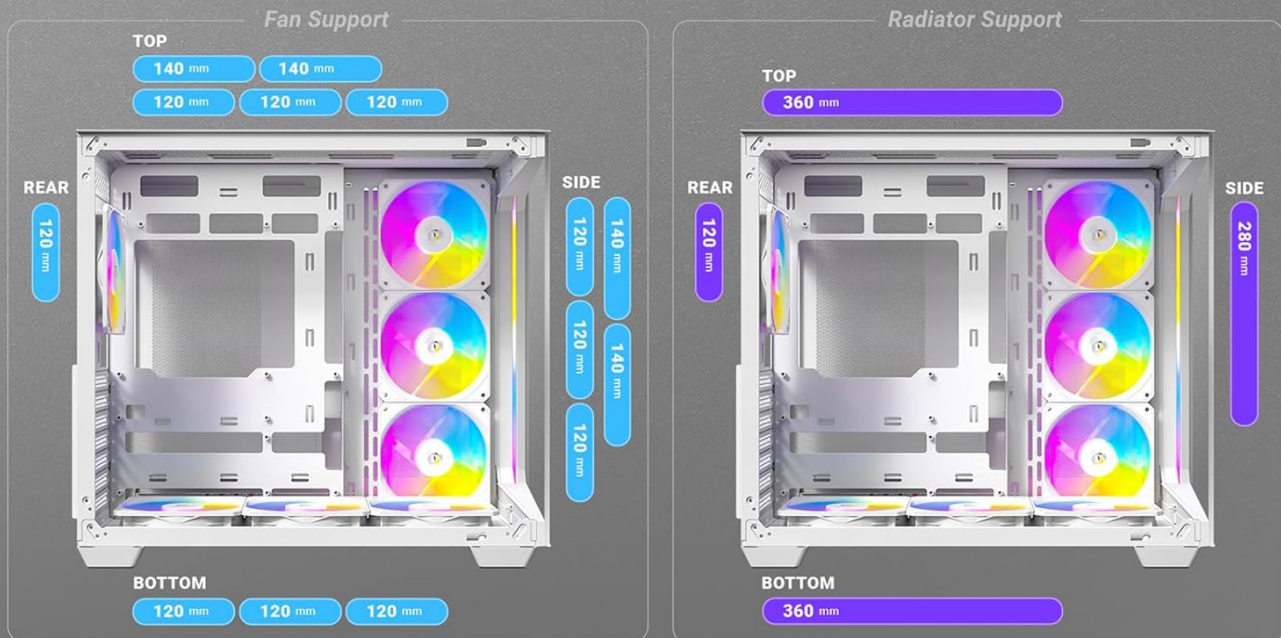
Figure 3: Rear view of the Antec C5 ARGB White case highlighting the cable routing channels and mounting points for back-connect motherboards.

## 3.4 Fan and Radiator Installation

The case comes with 7 pre-installed 120mm ARGB PWM fans. Additional fans can be installed for enhanced cooling. Refer to the compatibility chart below for fan and radiator placements.

# AMPLE SPACE FOR WATER COOLING

Simultaneous support for top and bottom 360mm radiators and side 280mm radiator.
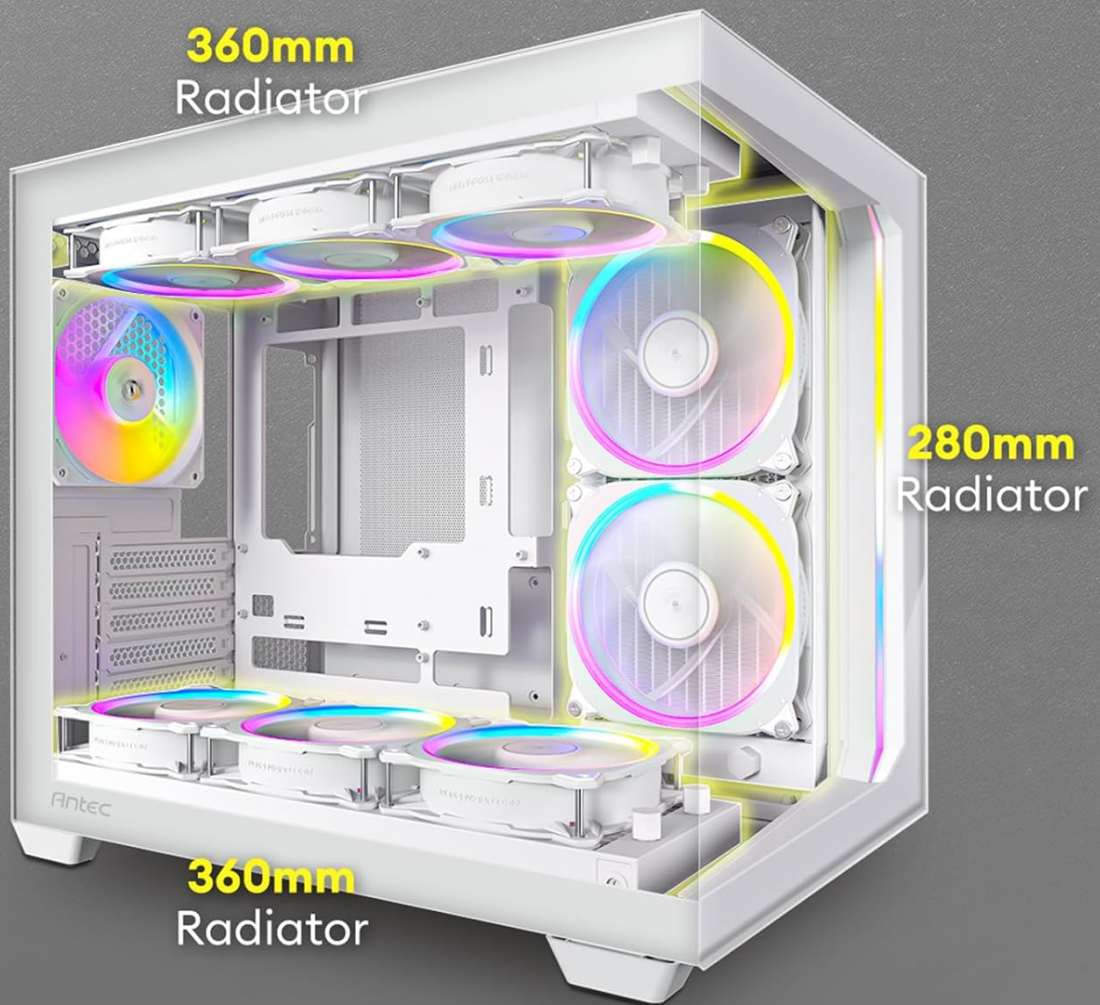


Figure 4: Diagram showing the 7 pre-installed ARGB PWM fans (1x P12 regular, 6x P12 Reverse) and the location of the built-in fan controller.

Figure 5: Detailed diagram illustrating fan and radiator support locations and sizes within the Antec C5 ARGB White PC Case.

For water cooling, ensure radiator and fan thickness clearances are respected, especially for side and top mounts.

# SUPPORT BACK-CONNECT MOTHERBOARDS

C5 ARGB supports next-gen back-connect motherboards. Plug in the cables from the back to give the front a cleaner look and a smoother airflow channel.

*Supported models:
ASUS TUF B760M-BTF WIFI D4,
ASUS TX GAMING B760-BTF WIFI,
ASUS DIY-APE B760 REVOLUTION,
MSI B760M PROJECT ZERO,
MSI B650M PROJECT ZERO,
Colorful CVN B760M FROZEN WIFI V20,
and more to come.



Figure 6: Illustrations detailing the maximum clearance for radiators and fans on the side (≤75mm total thickness) and top (≤35mm push-pull radiator height) to avoid component interference.

## 3.5 Graphics Card Installation

The case supports graphics cards up to 410mm in length, accommodating most high-end GPUs, including RTX 40 series cards.

# EXTENSIVE INTERIOR

- Motherboard support **ATX, Micro-ATX, ITX**
- CPU cooler max height **≤ 160 mm**
- GPU max length **≤ 410 mm**
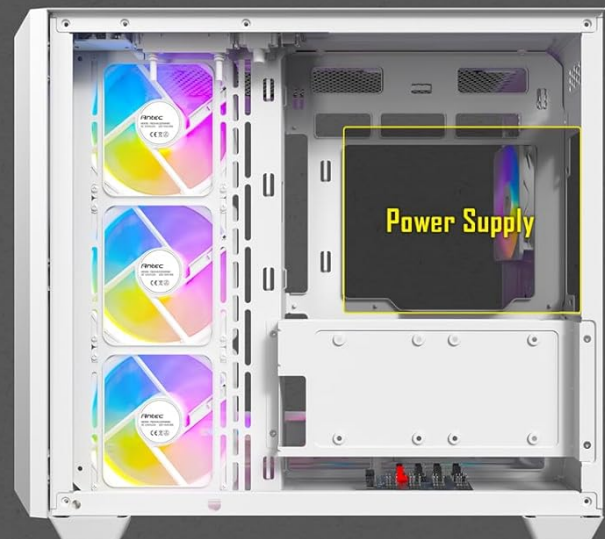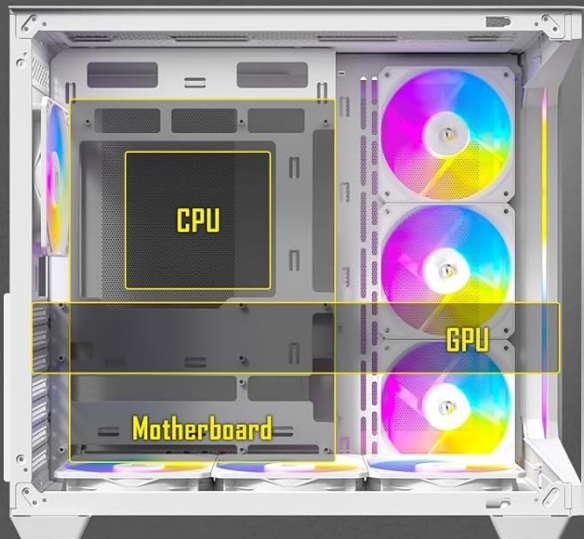- Power Supply max length **(Include cable) ≤ 240mm**

Figure 7: Internal view of the Antec C5 ARGB White PC Case indicating the maximum GPU length of 410mm.

## 3.6 Storage Device Installation

The removable hard drive cage supports 1 x 3.5" HDD and 2 x 2.5" SSDs. Additional 3.5" HDD or 2.5" SSD can be installed by removing the frontmost bottom fan or the lowest side fan, respectively.

# STORAGE COMPATIBILITY

Removable hard drive cage provides space for 1 x 3.5" HDD and 2 x 2.5" SSD.

The case bottom can additionally accommodate a 3.5" HDD after removing the frontmost bottom fan, or a 2.5" SSD after removing the lowest side fan.
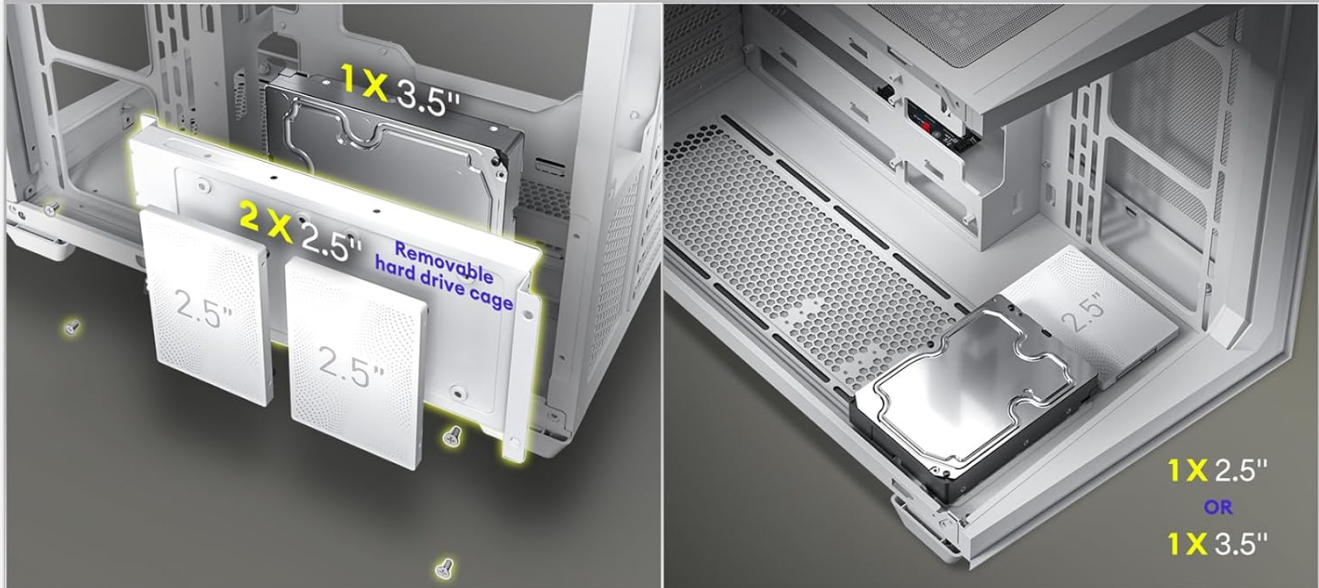


Figure 8: Diagrams illustrating the removable hard drive cage for 3.5" HDD and 2.5" SSDs, and alternative mounting locations for additional storage.

## 3.7 Power Supply and Cable Management

The dual chamber design provides a dedicated space for the power supply and ample room (95mm) for cable management in the right chamber. Route all cables neatly to ensure optimal airflow and a clean build.

# DUAL CHAMBER

Dual chamber design for independent cooling, with the right chamber featuring top-mounted power supply and 95mm cable management space
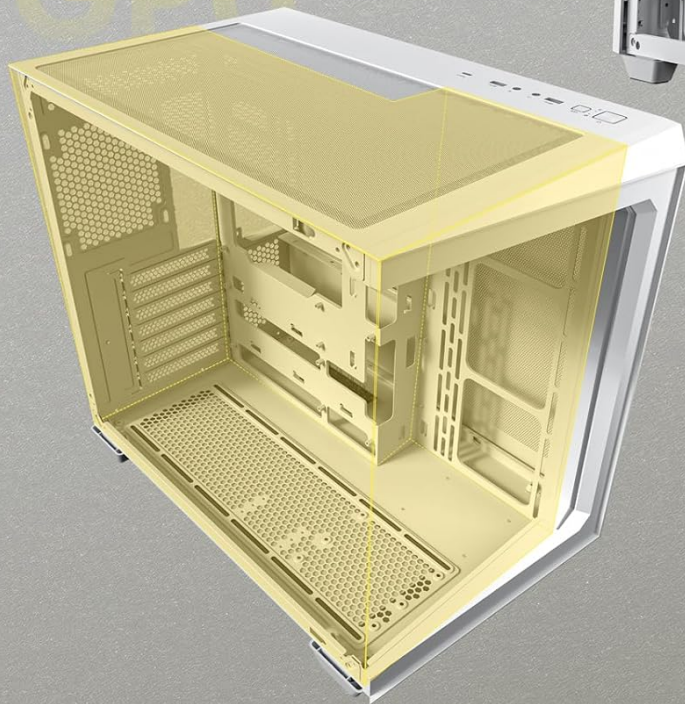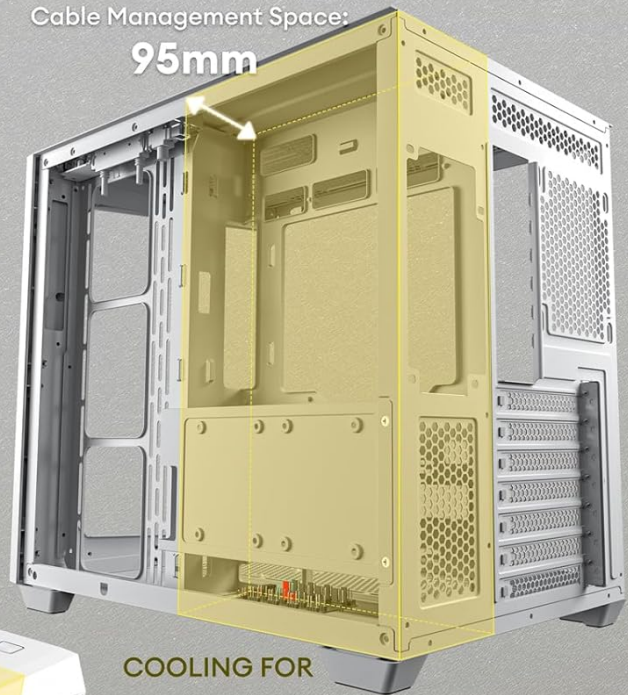
Cable Management Space: **95mm**

COOLING FOR
**CPU/ GPU**

COOLING FOR
**PSU/ DRIVES**



Figure 9: Exploded view showing the dual chamber design, separating the CPU/GPU area from the PSU/drive area, and highlighting the 95mm cable management space.
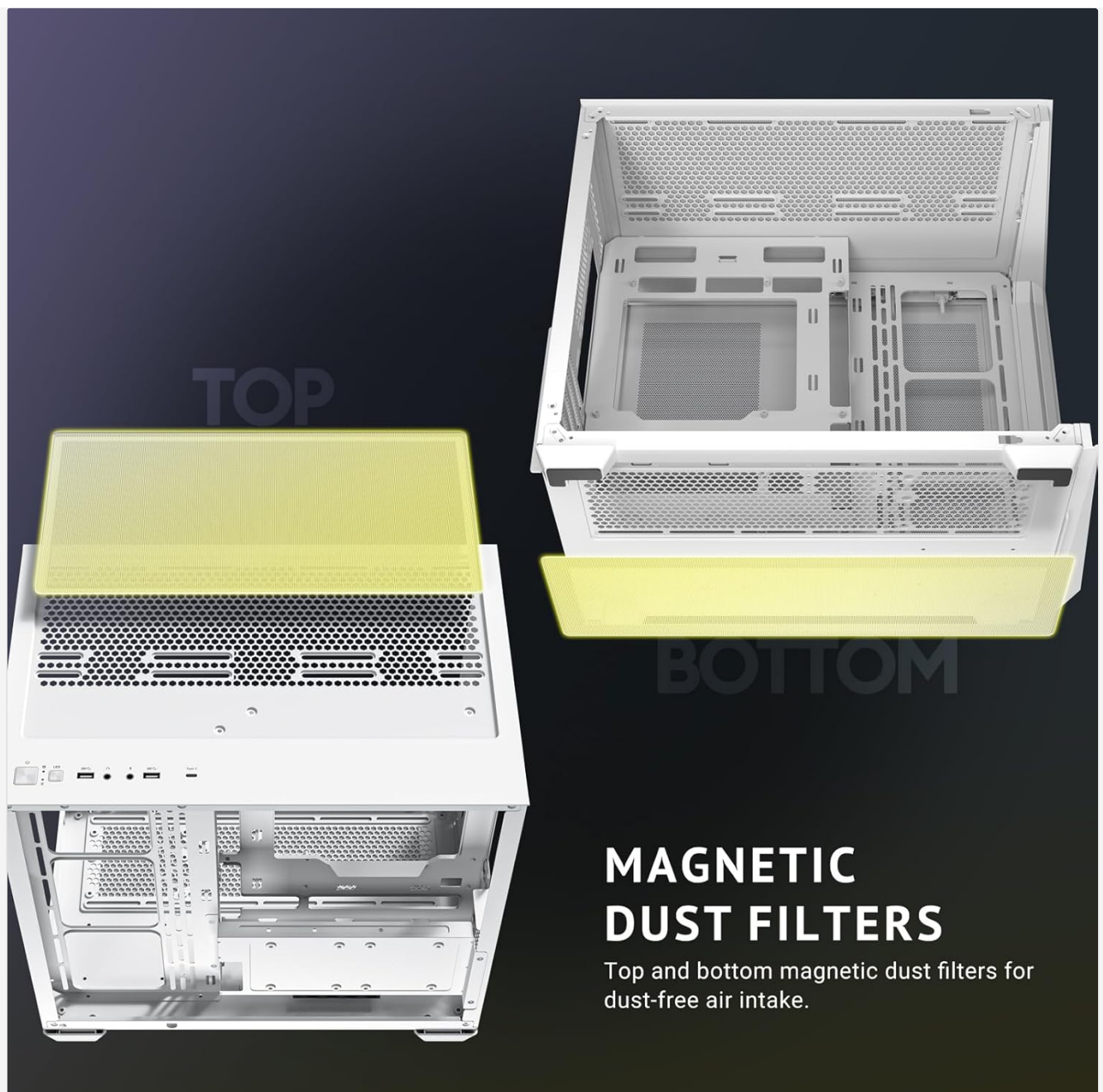
Figure 10: Internal layout diagram showing recommended placement for CPU, GPU, Motherboard, and Power Supply within the Antec C5 ARGB White PC Case.

# 4. OPERATING INSTRUCTIONS

## 4.1 Front I/O Panel Connections

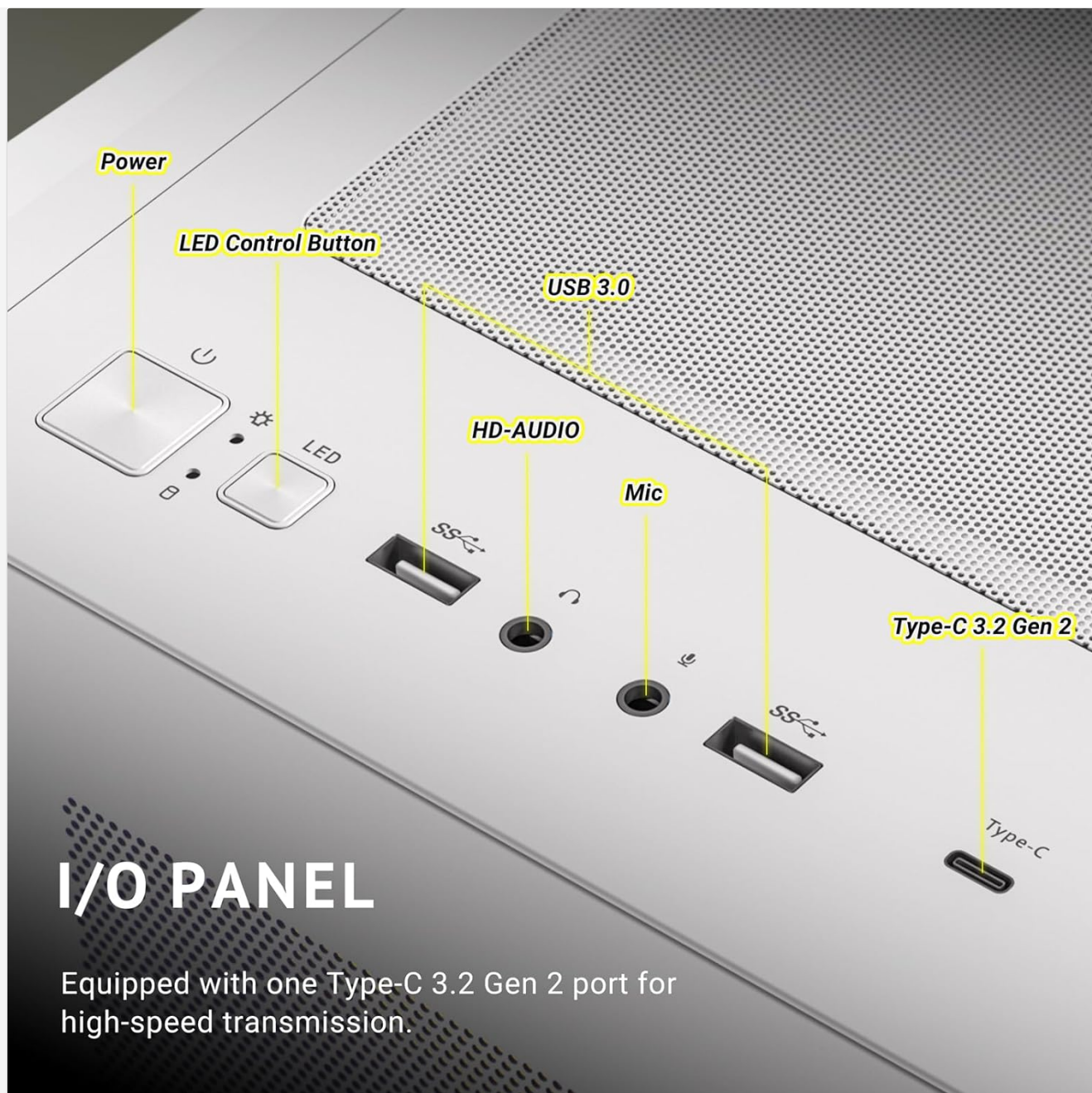Connect your peripherals to the front I/O panel for convenient access.

Figure 11: Close-up view of the Antec C5 ARGB White PC Case's top I/O panel, indicating the Power button, LED Control Button, USB 3.0 ports, HD-AUDIO, Mic, and Type-C 3.2 Gen 2 port.

- **Power Button:** Press to power on/off your system.
- **LED Control Button:** Cycle through various ARGB lighting effects for the pre-installed fans and front panel strip.
- **USB 3.0 Ports (x2):** For high-speed data transfer with compatible devices.
- **USB 2.0 Ports (x2):** For standard USB devices.
- **HD-AUDIO & Mic Jacks:** Connect your headphones and microphone.
- **Type-C 3.2 Gen 2 Port:** For ultra-fast data transfer with compatible Type-C devices.

## 4.2 ARGB Lighting Control

The pre-installed fans and front panel ARGB strip are connected to a built-in controller. You can control the lighting in two ways:

- **Via LED Control Button:** Press the LED button on the front I/O panel to cycle through pre-set lighting modes and colors.
- **Motherboard Synchronization:** If your motherboard supports ARGB synchronization (e.g., ASUS Aura Sync,

MSI Mystic Light Sync, GIGABYTE RGB Fusion), connect the controller to your motherboard's ARGB header. This allows you to control the lighting through your motherboard's software.

# 5. MAINTENANCE

## 5.1 Dust Filter Cleaning

The Antec C5 ARGB White case is equipped with magnetic dust filters on the top and bottom to prevent dust accumulation inside your system. Regular cleaning of these filters is recommended to maintain optimal airflow and cooling performance.



**VERTICAL COOLING**

Vertical cooling scheme supporting up to 10 fans accelerates heat dissipation with bottom-to-top vertical airflow.
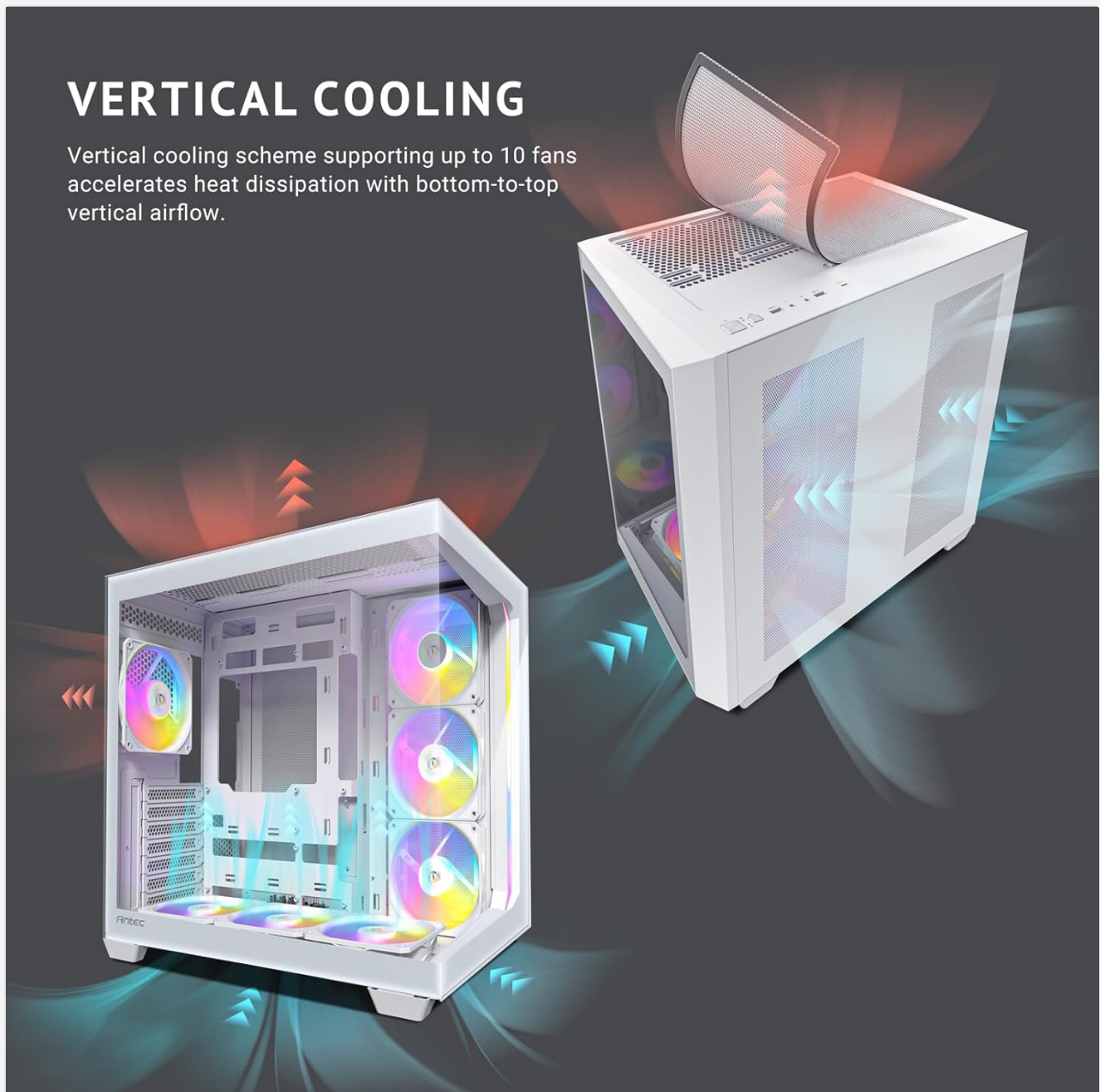
Figure 12: Image showing the magnetic dust filters located on the top and bottom of the Antec C5 ARGB White PC Case for easy removal and cleaning.

1. Gently lift the magnetic dust filters from the top and bottom of the case.
2. Clean the filters using compressed air or a soft brush to remove accumulated dust.
3. Once clean, reattach the magnetic filters to their respective positions.

## 5.2 General Cleaning

For external surfaces, use a soft, damp cloth to wipe down the case. Avoid abrasive cleaners or solvents that may damage the finish or tempered glass. For internal cleaning, use compressed air to remove dust from components and fan blades.

## 6. TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|---|---|---|
| Fans not spinning or ARGB not lighting up. | Loose power connection to fan controller or fans. Incorrect ARGB header connection. | Check all power cables to the fan controller and individual fans. Ensure the ARGB cable from the controller is correctly connected to the motherboard's 3-pin 5V ARGB header (not 4-pin 12V RGB). Try cycling modes with the LED button. |
| Poor airflow or high temperatures. | Dust buildup on filters or fans. Incorrect fan orientation. Obstruction inside the case. | Clean dust filters and fan blades. Verify fan orientation (pre-installed fans are optimized for airflow). Ensure cables are neatly managed and not obstructing airflow. |
| Front I/O ports not functioning. | Loose or incorrect internal header connections to the motherboard. | Check the USB 2.0, USB 3.0, Type-C, and HD-AUDIO cables are securely connected to the correct headers on your motherboard. Refer to your motherboard manual for header locations. |
| Tempered glass panel difficult to remove/reinstall. | Misalignment or debris in the mounting mechanism. | Ensure no cables or components are obstructing the panel's path. Clean any debris from the mounting points. Apply gentle, even pressure when reattaching. |

## 7. SPECIFICATIONS

| Feature | Detail |
|---|---|
| Model Name | C5 ARGB WHITE |
| Case Type | Mid Tower |
| Dimensions (LxWxH) | 18.27 x 14.17 x 14.5 inches |
| Item Weight | 16.8 pounds |
| Material | Polycarbonate (PC) |
| Motherboard Compatibility | ATX, Micro-ATX |
| Pre-installed Fans | 7 x 120mm ARGB PWM Fans (6 reverse fans) |
| Max Fan Support | Up to 10 x 120mm fans |
| Radiator Support | Top: 360mm, Bottom: 360mm, Side: 280mm |
| GPU Max Length | 410mm |
| CPU Cooler Max Height | 160mm |

| Feature | Detail |
|---|---|
| Power Supply Mounting Type | Bottom Mount |
| Front I/O Ports | 2 x USB 3.0, 2 x USB 2.0, HD-AUDIO, Mic, 1 x Type-C 3.2 Gen 2 |
| Cooling Method | Air |
| Color | C5 ARGB W (White) |

## 8. WARRANTY AND SUPPORT

Antec products are manufactured to high quality standards. For warranty information, please refer to the warranty card included with your product or visit the official Antec website. If you encounter any issues or require technical assistance, please contact Antec customer support.
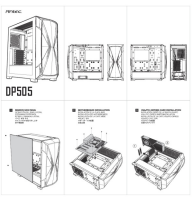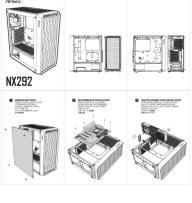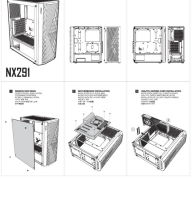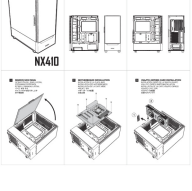
**Antec Official Website:** www.antec.com

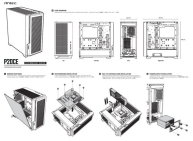For the latest drivers, software, and FAQs, please visit the support section of the Antec website.

## Related Documents - C5 ARGB WHITE



**Antec DP505 PC Case - Gaming Mid Tower with EATX Support**
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.



**Antec NX292 ATX Gaming PC Case - Manual and Overview**
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.



**Antec NX291 ATX Tower Gaming Case - User Manual**
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.



**Antec NX410 ATX Mid-Tower PC Case - Installation Manual and Overview**
A comprehensive guide to the Antec NX410 ATX mid-tower computer case, covering specifications, features, and detailed installation instructions for PC builders. Learn how to assemble your system with this informational manual.
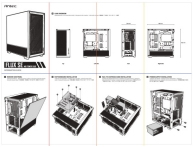
| | |
|---|---|
|  | **Antec Flux SE PC Case User Manual and Overview**<br>Comprehensive guide to the Antec Flux SE mid-tower PC case, covering features, specifications, and installation instructions. Learn about its airflow design, cooling support, and build quality for optimal PC performance. |
|  | **Antec P20CE PC Case User Manual and Specifications**<br>Comprehensive user manual and technical specifications for the Antec P20CE E-ATX gaming PC case. Learn about installation, features, cooling support, and component clearances. |