

Antec AX65

Antec AX65 ARGB PC Case Instruction Manual

Model: AX65 (0-761345-10206-3)

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Antec AX65 ARGB PC Case. Please read this manual thoroughly before beginning the assembly process to ensure proper installation and safe usage. Keep this manual for future reference.

Safety Information

- Always disconnect the power supply from the wall outlet before installing or removing any components.
- Wear an anti-static wrist strap to prevent electrostatic discharge (ESD) damage to components.
- Handle all components with care.
- Keep small parts away from children.
- Ensure proper ventilation during operation to prevent overheating.



Figure 1: Front-side view of the Antec AX65 ARGB PC Case, showcasing the tempered glass side panel and the three pre-installed ARGB fans at the front.

2. PACKAGE CONTENTS

Verify that all items listed below are present in your package. If any items are missing or damaged, please contact your retailer or Antec support.

- Antec AX65 ARGB PC Case
- Accessory Box (screws, cable ties, standoffs, etc.)
- User Manual (this document)

3. SETUP AND COMPONENT INSTALLATION

3.1 Preparation

1. Unpack the PC case from its packaging.
2. Remove the tempered glass side panel by unscrewing the thumb screws at the rear and carefully sliding it off. Place it on a soft, flat surface to prevent scratches.
3. Remove the solid steel side panel by unscrewing the thumb screws at the rear and sliding it backward.
4. Gather necessary tools: Phillips head screwdriver, cable ties (some included in accessory box).



Figure 2: Internal layout of the Antec AX65 case, showing the motherboard tray, PSU shroud, and fan mounts.

3.2 Motherboard Installation

1. Identify the correct standoff locations for your motherboard form factor (ATX, Micro-ATX, Mini-ITX). Install any necessary additional standoffs from the accessory box.
2. Install the I/O shield into the rear opening of the case.
3. Carefully place your motherboard onto the standoffs, aligning the screw holes.
4. Secure the motherboard with the provided screws. Do not overtighten.

3.3 Power Supply Unit (PSU) Installation

1. Position the PSU into the dedicated compartment at the bottom rear of the case.
2. Ensure the PSU fan faces downwards (if the case has a bottom vent) or upwards (if no bottom vent).

3. Secure the PSU to the rear of the case with the provided screws.

3.4 Storage Drive Installation

The AX65 supports both 2.5" SSDs and 3.5" HDDs.

- **2.5" SSDs:** Mount SSDs to the dedicated brackets behind the motherboard tray or on the PSU shroud. Secure with screws.
- **3.5" HDDs:** Install HDDs into the drive cage located under the PSU shroud. Slide the drive into the tray and secure it.



Figure 3: Rear internal view of the Antec AX65, highlighting the ample space for cable management and SSD mounting points behind the motherboard tray.

3.5 Expansion Card Installation (e.g., GPU)

1. Remove the necessary PCI-E slot covers from the rear of the case.
2. Align your expansion card with the PCI-E slot on the motherboard.
3. Press firmly until the card is seated correctly.

4. Secure the card with the provided screw.





Figure 4: Rear exterior view of the Antec AX65, displaying the PCI-E expansion slots and the pre-installed rear ARGB fan.

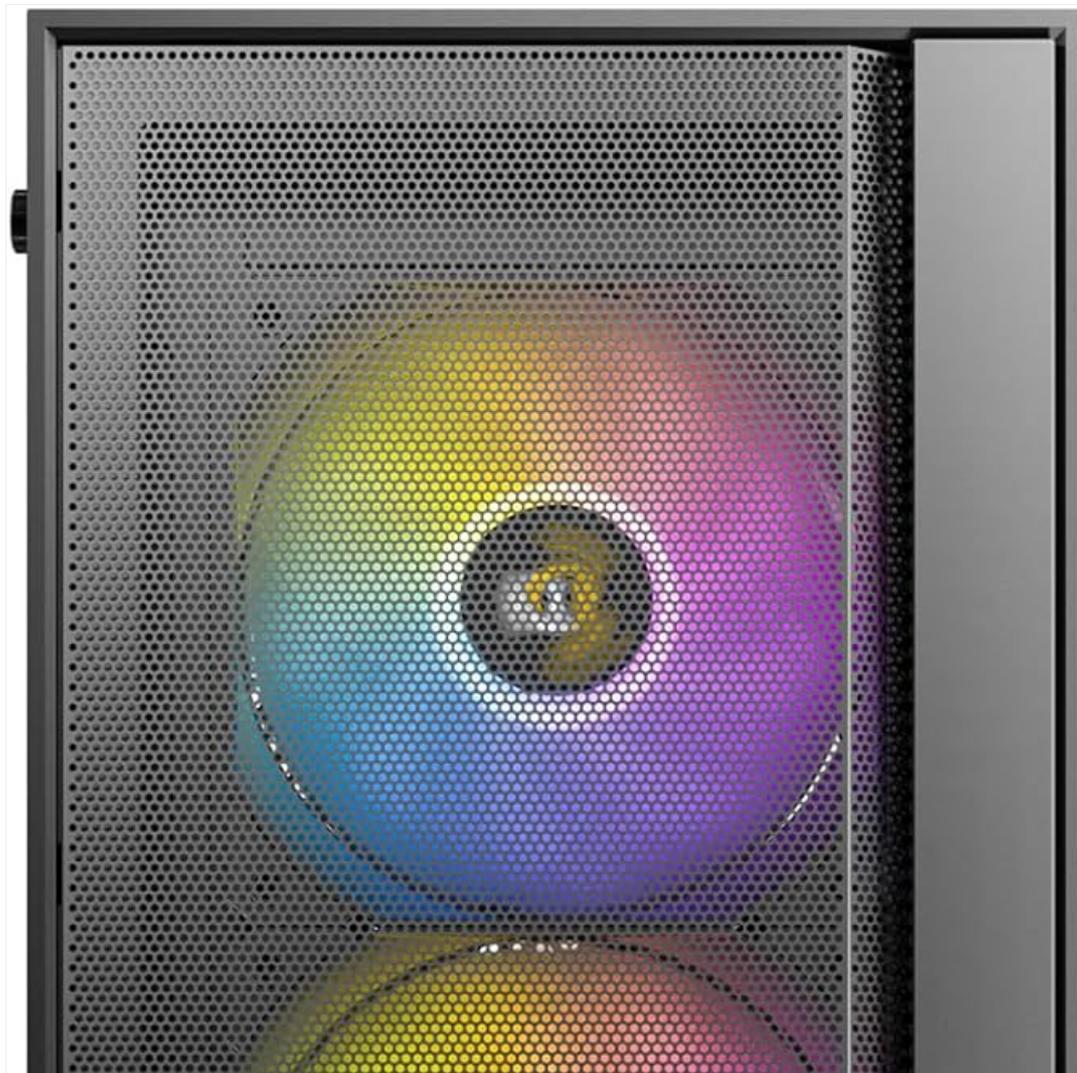
3.6 Cable Management

Utilize the cable routing cutouts and tie-down points behind the motherboard tray to organize cables. This improves airflow and aesthetics.

3.7 Fan and Cooling Setup

The AX65 comes with three 120mm ARGB fans pre-installed at the front and one 120mm ARGB fan at the rear.

- **Fan Connections:** Connect the 3-pin ARGB fan cables to your motherboard's ARGB headers or a compatible ARGB controller. Connect the fan power cables to available fan headers on your motherboard or a fan hub.
- **Liquid Cooling Support:** The front panel supports radiators up to 360mm. The top panel supports up to two 120mm or 140mm fans, or a 240mm radiator.



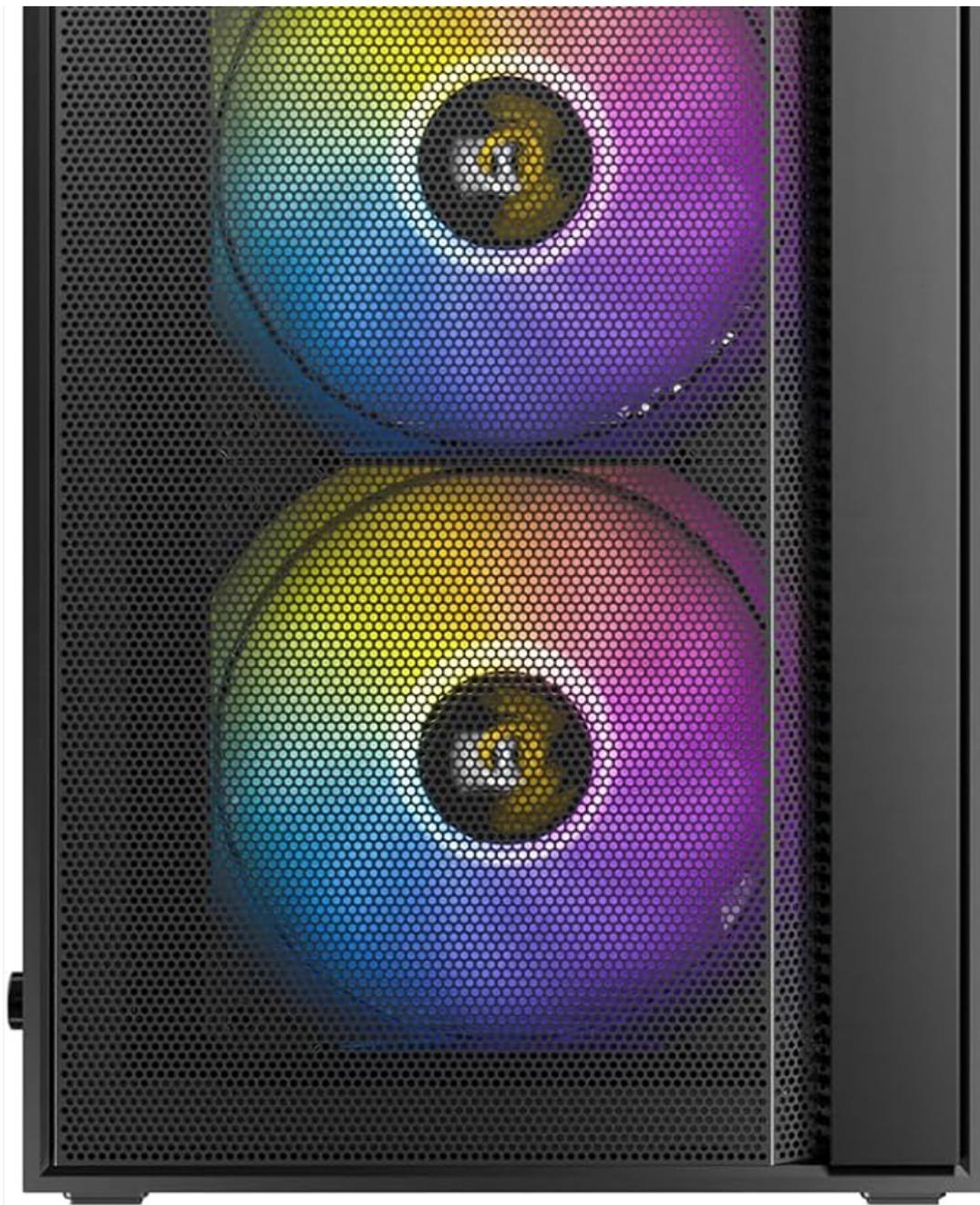


Figure 5: Front view of the Antec AX65, showcasing the high-permeability mesh panel and the three vibrant ARGB fans.

4. OPERATING INSTRUCTIONS

4.1 Powering On

After all components are installed and cables are connected, replace the side panels. Connect your monitor, keyboard, mouse, and power cable. Flip the switch on your PSU to the 'ON' position, then press the power button on the case's top I/O panel.

4.2 ARGB Lighting Control

The pre-installed ARGB fans can be controlled via your motherboard's ARGB software (e.g., ASUS Aura Sync, MSI Mystic Light Sync, Gigabyte RGB Fusion, ASRock Polychrome Sync) if connected to a compatible 3-pin 5V ARGB header. Refer to your motherboard manual for specific software instructions.

4.3 Front I/O Panel

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

- Power Button
- Reset Button
- USB 3.0 Port
- USB 2.0 Ports (x2)
- Headphone Jack
- Microphone Jack



Figure 6: Top view of the Antec AX65, detailing the accessible front I/O panel with USB ports and audio jacks.

5. MAINTENANCE

5.1 Dust Filter Cleaning

Regular cleaning of dust filters is crucial for maintaining optimal airflow and cooling performance.

- **Top Magnetic Filter:** Gently lift and remove the magnetic dust filter from the top panel. Clean it with a soft brush or rinse with water (ensure it is completely dry before reattaching).
- **Bottom Pull-out Filter:** Slide out the dust filter located at the bottom of the case (under the PSU). Clean it similarly to the top filter.

5.2 General Cleaning

Use a soft, damp cloth to wipe down the exterior surfaces of the case. Avoid abrasive cleaners or solvents. For internal cleaning, use compressed air to remove dust from components and fan blades.

6. TROUBLESHOOTING

If you encounter issues, refer to the following common troubleshooting steps:

- **No Power:** Ensure the PSU is switched on, the power cable is securely connected, and all internal power cables (24-pin, CPU, GPU) are properly seated. Check front panel power button connections to the motherboard.
- **Fans Not Spinning/ARGB Not Lighting:** Verify fan power cables are connected to motherboard headers or a fan hub. Ensure ARGB cables are connected to a 3-pin 5V ARGB header and controlled via software. Check for loose connections.
- **Overheating:** Ensure all fans are spinning correctly and oriented for proper airflow. Clean dust filters. Verify CPU cooler and GPU cooler are properly installed.
- **Loose Components:** If experiencing intermittent issues, re-seat RAM, GPU, and other expansion cards. Check all cable connections.

For persistent issues, consult your component manuals or contact Antec customer support.

7. SPECIFICATIONS

Feature	Specification
Model	AX65
Form Factor	Midi Tower
Dimensions (L x W x H)	40 x 20 x 44.9 cm
Weight	4.59 kg
Motherboard Support	ATX, Micro-ATX, Mini-ITX
Pre-installed Fans	3 x 120mm ARGB (Front), 1 x 120mm ARGB (Rear)
Front I/O Ports	1 x USB 3.0, 2 x USB 2.0, HD Audio (Mic & Headphone), Power, Reset
Drive Bays	Supports 2.5" SSDs and 3.5" HDDs
Expansion Slots	7

Feature	Specification
Radiator Support (Front)	Up to 360mm
Radiator Support (Top)	Up to 240mm
Dust Filters	Top (Magnetic), Bottom (Pull-out)

8. WARRANTY AND SUPPORT

Antec products are designed and manufactured to the highest quality standards. For information regarding warranty coverage and technical support, please refer to the official Antec website or contact your local retailer. Keep your proof of purchase for warranty claims.

For further assistance, visit the Antec support page: www.antec.com/support