COUGAR AIRFACE ECO RGB

COUGAR Airface ECO RGB Mid-Tower ATX PC Case Instruction Manual

Model: AIRFACE ECO RGB (385YA20.0001)

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your COUGAR Airface ECO RGB Mid-Tower ATX PC Case. Please read this manual thoroughly before beginning assembly to ensure proper setup and optimal performance of your system.

Image: Front-right view of the COUGAR Airface ECO RGB Mid-Tower ATX PC Case, showcasing its perforated front panel and an illuminated rear fan.

SETUP AND INSTALLATION

Follow these steps for assembling your PC components within the COUGAR Airface ECO RGB case.

1. Unboxing and Preparation

- Carefully remove the case from its packaging.
- Inspect the case for any shipping damage.
- Place the case on a stable, flat surface.

2. Accessing the Interior

The COUGAR Airface ECO RGB features a removable top panel and detachable front bracket for simplified access during assembly.

EASIEST. ASSEMBLY. EVER.

The removable top panel simplifies access to the interior of your case, giving you extra space to make assembling your rig a breeze.

Image: An aerial view of the case interior with the top panel removed, illustrating the spacious design for component installation.

3. Motherboard Installation

- Install the necessary standoffs for your ATX motherboard.
- Carefully place the motherboard into the case, aligning it with the standoffs and I/O shield.
- Secure the motherboard with screws.

4. Drive Installation

The case supports up to two 2.5" SSD drives and two 3.5" HDD drives.

- Locate the designated mounting points for 2.5" SSDs and 3.5" HDDs.
- Secure your storage drives using the provided hardware.

DRIVE CAPACITY

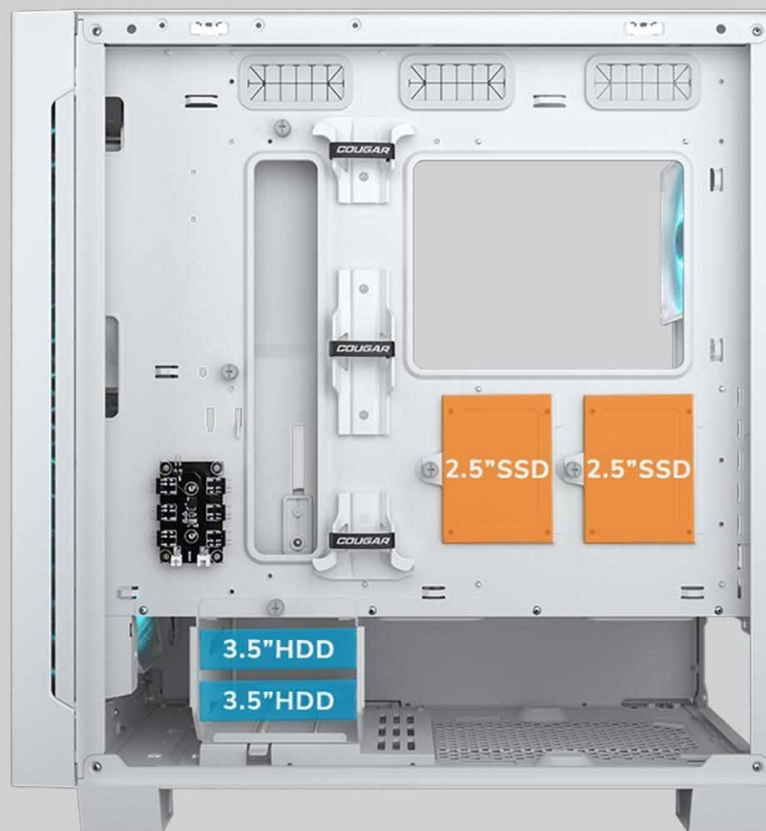The Airface ECO RGB houses up to 2 x 2.5" SSD drives and 2 x 3.5" HDD drives.

Image: An internal view highlighting the mounting locations for two 2.5-inch SSDs and two 3.5-inch HDDs.

5. Graphics Card (GPU) Installation

The Airface ECO RGB accommodates a maximum GPU length of 390mm and supports both horizontal and vertical mounting.

- For horizontal mounting, insert the GPU into the appropriate PCIe slot on your motherboard and secure it with screws.
- For vertical mounting, utilize the upgraded vertical GPU space. (Note: A PCIe riser cable is typically required for vertical GPU mounting and is sold separately).

UPGRADED GPU SPACE

The Airface ECO RGB accommodates a maximum GPU length of 390mm, which can be set up both horizontally or vertically.

Image: The interior of the case displaying a graphics card installed in the vertical mounting position.

6. Cooling System

The case comes with two pre-installed 180mm PWM front cooling fans and one 120mm PWM rear fan. It also supports additional air and water cooling solutions.

PREINSTALLED FRONT 180MM PWM COOLING FANS

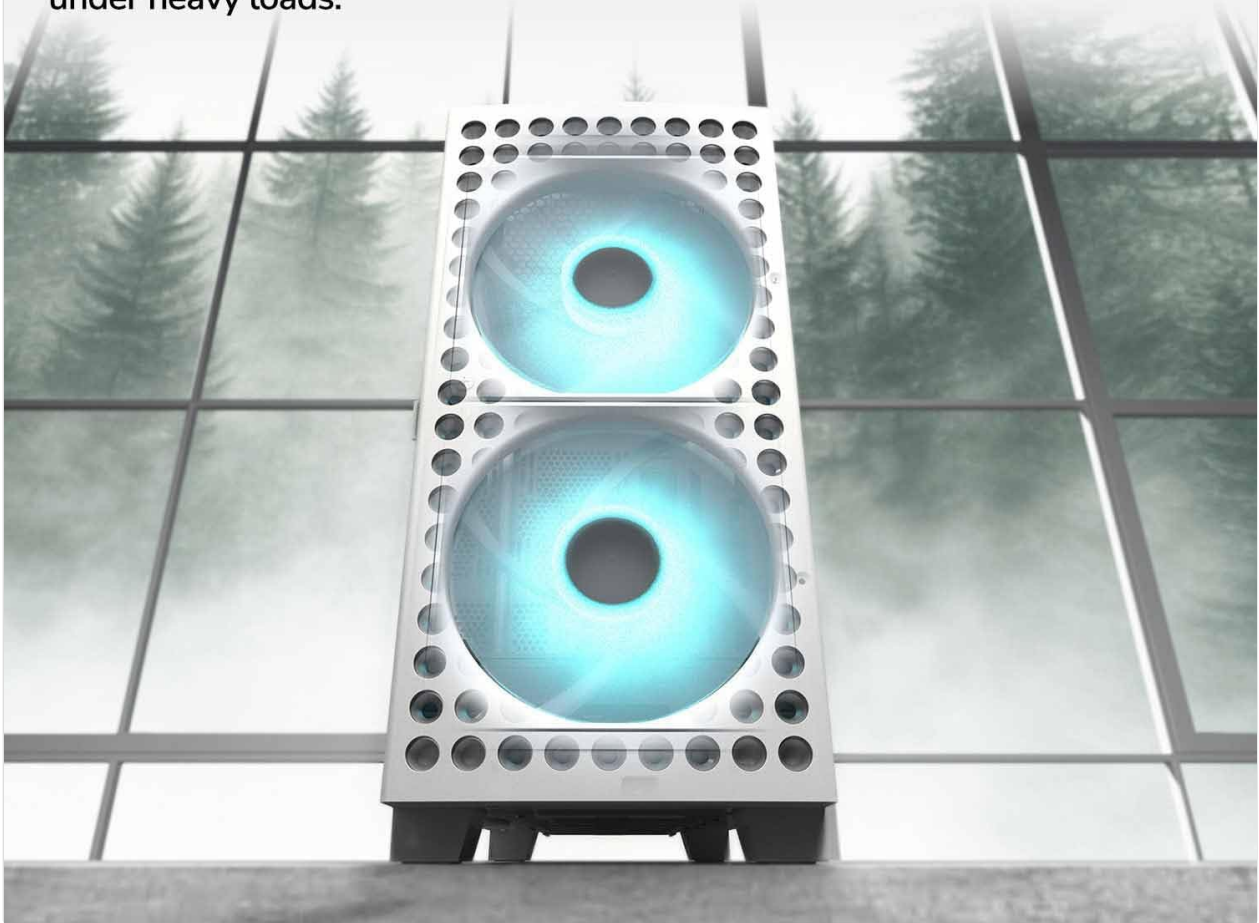Two powerful 180mm PWM front cooling fans keep your system cool under heavy loads.

Image: A front-facing view of the case, highlighting the two pre-installed 180mm PWM cooling fans.

7. Cable Management and Front I/O

- Utilize the increased cable routing space behind the motherboard tray to organize cables.
- Connect the modular front I/O cables (USB 3.0, audio, power, reset) to your motherboard. The modular design allows for versatile placement of the front I/O panel.

MODULAR FRONT I/O

Whether you prefer your ports and buttons on the top or bottom, this feature allows you to position them wherever they are most convenient for you.

Image: Two views of the case, demonstrating the flexibility of placing the modular front I/O panel either on the top or bottom of the front panel.

OPERATING INSTRUCTIONS

1. Powering On

- Ensure all components are securely installed and cables are properly connected.
- Connect your power supply to a wall outlet.
- Press the power button on the front I/O panel to start your system.

2. Thermodynamic Airflow

The case features coned vents that leverage thermodynamic principles to maximize cooling efficiency. This design channels air more efficiently into the case, maintaining lower internal temperatures.

THERMODYNAMIC COOLING

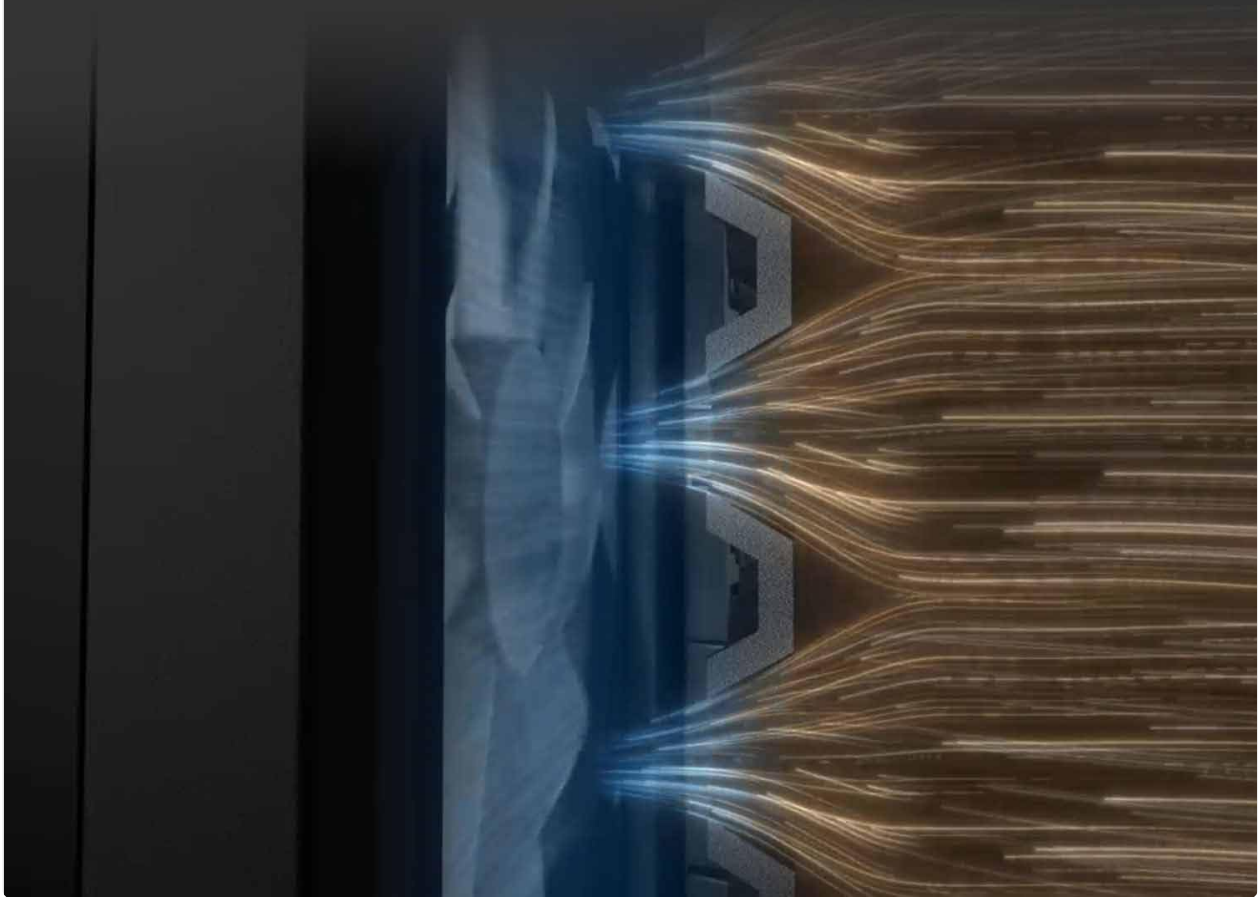By tapering inwards from a wide opening, coned vents channel air more efficiently into the case.

Image: A visual representation of how coned vents direct airflow into the case for improved cooling.

3. RGB Lighting Synchronization

The built-in LED controller syncs with the motherboard for seamless system-wide lighting synchronization.

- Connect the RGB controller to your motherboard's compatible RGB header.
- Use your motherboard's software to control and synchronize the lighting effects of the pre-installed RGB fans and other compatible components.

SYNCHRONIZED LIGHTING

The built-in LED controller syncs with the motherboard for seamless system-wide lighting synchronization.

Image: The case interior showcasing synchronized RGB lighting on fans and components, alongside a diagram of the LED controller board.

MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your PC components.

Dust Filter Cleaning

The Airface ECO RGB features filters on the front, top, and bottom to prevent dust accumulation. Regular cleaning is recommended.

- **Front Dust Filter:** This is a quick-slide filter that pulls out without removing the front panel. Gently slide it out, clean with water or a soft brush, and reinsert once dry.
- **Top Dust Filter:** This filter attaches magnetically. Simply lift it off, clean, and place it back.
- **Bottom Dust Filter:** This filter slides out from the rear. Clean and reinsert.

FULL PROTECTION FROM DUST

Filters on the three ventilated sides – front, top, bottom – effectively prevent dust from entering, keeping your components clean.

Image: A composite image demonstrating the easy removal of the front, top, and bottom dust filters for cleaning.

General Cleaning

- Use a soft, dry cloth to wipe down the exterior of the case.
- For interior cleaning, use compressed air to remove dust from fans and components. Ensure the system is powered off and unplugged before cleaning.

TROUBLESHOOTING

This section addresses common issues you might encounter.

System Not Powering On

- **Check Power Connections:** Ensure the power supply is connected to the wall and switched on. Verify all power cables from the power supply are correctly connected to the motherboard and components.
- **Front Panel Connectors:** Confirm that the power switch cable from the front I/O panel is correctly connected to the motherboard's front panel header. Refer to your motherboard manual for the correct pinout.

Poor Airflow or Overheating

- **Dust Filters:** Clean all dust filters as described in the Maintenance section. Clogged filters restrict airflow.
- **Fan Operation:** Ensure all case fans (front, rear, and any additional fans) are spinning correctly. Check their power connections.
- **Cable Management:** Poor cable management can obstruct airflow. Reorganize cables to allow for unobstructed air movement.

RGB Lighting Issues

- **Controller Connection:** Verify the RGB controller is properly connected to both the fans and the motherboard's RGB header.
- **Software:** Ensure your motherboard's RGB control software is installed and up-to-date.

SPECIFICATIONS

Feature	Specification
Brand	COUGAR
Model Name	AIRFACE ECO RGB
Item Model Number	385YA20.0001
Case Type	Mid Tower
Color	BLACK
Motherboard Compatibility	ATX
Product Dimensions (LxWxH)	18.9 x 9.45 x 20.04 inches (480 x 240 x 509 mm)
Item Weight	22 pounds (9.99 Kilograms)
Number of USB 3.0 Ports	2
Power Supply Mounting Type	Bottom Mount
Cooling Method	Air, Water
Pre-installed Fans	2 x 180mm PWM Front, 1 x 120mm PWM Rear
Max. GPU Length	390mm
Drive Bays	2 x 2.5" SSD, 2 x 3.5" HDD

WARRANTY AND SUPPORT

For warranty information, technical support, or further assistance, please refer to the official COUGAR website.

- **Official Website:** https://cougargaming.com/
- **Service Contact:** https://cougargaming.com/contact2/

Related Documents - AIRFACE ECO RGB

	[COUGAR Airface FLO PC Case Installation and Features Guide](#) A comprehensive guide to the COUGAR Airface FLO PC case, detailing its features, specifications, assembly instructions, and component installation procedures for optimal system building.
	[COUGAR Challenger PC Case: Features, Specifications, and Cooling System](#) Detailed overview of the COUGAR Challenger mid-tower PC case, highlighting its innovative design, extensive features, specifications, and flexible cooling system options for optimal performance.
	[COUGAR AIRFACE Mid Tower PC Case - Features, Specifications, and Installation Guide](#) Detailed information about the COUGAR AIRFACE PC case, including its perforated design, features, technical specifications, assembly instructions, and warranty. Optimized for search engines.
	[COUGAR MX110 Mid Tower PC Case: Features, Specifications, and Installation Guide](#) Comprehensive guide to the COUGAR MX110 PC case, detailing its features, technical specifications, installation instructions for components like GPUs and drives, and warranty information. Built for basics, ready for more.
	[COUGAR UNIFACE Mid Tower PC Case - Features, Specifications, and Installation Guide](#) Comprehensive guide to the COUGAR UNIFACE mid-tower PC case, detailing its features, specifications, assembly instructions, and compatibility for building a high-performance computer.
	[COUGAR MX330-G PRO Mid Tower Case User Manual and Installation Guide](#) Comprehensive guide for the COUGAR MX330-G PRO Mid Tower Case, covering features, specifications, assembly instructions, and global warranty policy. Learn how to install components like fans, radiators, HDDs, and SSDs.