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> AeroCool Cylon RGB Mid Tower PC Case User Manual

AeroCool Cylon RGB

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Model: Cylon RGB | Brand: AeroCool

1. INTRODUCTION

Thank you for choosing the AeroCool Cylon RGB Mid Tower PC Case. This manual provides essential information for the proper installation, operation, and maintenance of your new computer chassis. Please read this guide thoroughly before beginning assembly to ensure optimal performance and longevity of your system.

2. PRODUCT FEATURES

- **Elegant RGB Lighting:** Features an elegant backslash LED on the front panel with 13 lighting modes, including 6 RGB flow modes and 7 solid color modes.
- **Acrylic Side Panel:** A full acrylic side panel allows for a clear view of your internal components.
- **Cooling Support:** Supports liquid cooling with a 240mm radiator in the front panel and air cooling with a 120mm fan on top. Includes one 120mm rear fan.
- **Component Compatibility:** Accommodates high-end graphics cards up to 371mm and CPU coolers up to 155mm.
- **VGA Fan Bracket Design:** Supports two 120mm fans for enhanced VGA cooling performance.
- **Storage Options:** Supports up to two 3.5" HDDs (compatible with 2.5" HDD/SSD) and two 2.5" HDDs/SSDs.
- **Dual Chamber Design:** Improves ventilation and cable management.
- **Easy Maintenance:** Features a removable PSU dust filter for convenient cleaning.
- **Front I/O Ports:** Includes 1x USB 3.0, 2x USB 2.0, HD Audio & Mic, and an SD Card Reader.

3. PACKAGE CONTENTS

The AeroCool Cylon RGB Mid Tower PC Case package includes:

- AeroCool Cylon RGB Mid Tower Computer Chassis
- Accessory Kit (screws, standoffs, cable ties)
- User Manual (this document)

4. SPECIFICATIONS

Feature	Specification
Brand	AeroCool
Model Name	Cylon RGB
Case Type	Mid Tower
Color	Black
Material	Acrylic, Alloy Steel
Motherboard Compatibility	ATX, Micro ATX, Mini-ITX
Case Dimensions (Overall)	198 x 459 x 413mm (W x H x D)
3.5" Drive Bays	2 (Compatible with 2.5" HDD/SSD)
2.5" Drive Bays	2
Expansion Slots	7
GPU Clearance	Up to 371mm (without front fan)
CPU Cooler Clearance	Up to 155mm
PSU Clearance	Up to 180mm
I/O Ports	1x USB 3.0, 2x USB 2.0, HD Audio & Mic, SD Card Reader
Pre-installed Fans	1x 120mm Rear Fan
Liquid Cooling Support	Front: 240mm Radiator (Optional)
RGB Lighting	Front panel LED with 13 modes (6 flow, 7 solid)

5. SETUP AND INSTALLATION

Follow these general steps for installing components into your AeroCool Cylon RGB Mid Tower PC Case. Always refer to your individual component manuals for specific installation instructions.

- 1. Prepare the Case:** Carefully remove the acrylic side panel by unscrewing the thumbscrews. Lay the case on its side on a stable, flat surface.
- 2. Install Motherboard:** Install the necessary standoffs for your motherboard form factor (ATX, Micro ATX, or Mini-ITX). Carefully place your motherboard into the case and secure it with screws.
- 3. Install CPU and Cooler:** Install your CPU and CPU cooler onto the motherboard before securing the motherboard into the case, if your cooler is large. Ensure proper thermal paste application and secure the cooler according to its instructions.
- 4. Install Graphics Card (GPU):** Open the necessary expansion slot covers. Insert your graphics card into the PCIe slot and secure it with screws.
- 5. Install Storage Drives:** Mount your 3.5" HDDs and 2.5" HDDs/SSDs into the designated drive bays.
- 6. Install Power Supply (PSU):** Install the ATX power supply into the rear mount area. Ensure it is securely fastened.
- 7. Cable Management:** Route all necessary power and data cables, utilizing the dual chamber design for a clean build. Connect all cables to their respective components and the motherboard.
- 8. Install Additional Fans/Radiators (Optional):** If installing additional 120mm or 140mm fans or a 240mm liquid cooling radiator, follow the manufacturer's instructions for placement and securement.
- 9. Connect Front Panel I/O:** Connect the front panel cables (USB 3.0, USB 2.0, HD Audio, Mic, SD Card Reader, power/reset buttons, LED indicators) to the corresponding headers on your motherboard.

10. **Replace Side Panel:** Once all components are installed and cables are managed, carefully replace the acrylic side panel and secure it with the thumbscrews.



Figure 5.1: Interior view of the AeroCool Cylon RGB Mid Tower PC Case with the acrylic side panel removed, showcasing internal components.

6. OPERATING INSTRUCTIONS

The AeroCool Cylon RGB Mid Tower PC Case features integrated RGB lighting on its front panel. This lighting can be controlled via a dedicated button on the top I/O panel.

- **Power On/Off:** Press the power button located on the top panel to turn your system on or off.
- **RGB Lighting Control:** Use the dedicated LED control button on the top panel to cycle through the 13 available lighting modes. These include 6 dynamic RGB flow effects and 7 static solid color options.
- **Front I/O Ports:** Utilize the USB 3.0, USB 2.0, HD Audio, Mic, and SD Card Reader ports for connecting peripherals and external storage devices.





Figure 6.1: Front view of the AeroCool Cylon RGB Mid Tower PC Case with RGB lighting activated.

7. MAINTENANCE

Regular maintenance helps ensure optimal performance and extends the lifespan of your PC components.

- **Dust Filter Cleaning:** The power supply unit (PSU) features a removable dust filter at the bottom of the case. Regularly slide out and clean this filter to prevent dust buildup and maintain proper airflow.
- **General Case Cleaning:** Use a soft, dry cloth to wipe down the exterior of the case. For the acrylic side panel, use a microfiber cloth and a mild, non-abrasive cleaner specifically designed for acrylic to avoid scratches.
- **Internal Dust Removal:** Periodically open the side panel and use compressed air to remove dust from internal components, especially fans and heatsinks. Ensure the system is powered off and unplugged before performing internal cleaning.





Figure 7.1: Front view of the AeroCool Cylon RGB Mid Tower PC Case, showing the front panel design.

8. TROUBLESHOOTING

If you encounter issues with your PC case, consider the following troubleshooting steps:

- **No Power:** Ensure the power supply is properly connected to the wall outlet and the motherboard. Check all internal power connections (24-pin ATX, CPU power, GPU power).
- **RGB Lighting Not Working:** Verify that the RGB lighting cable is correctly connected to the motherboard or dedicated controller. Press the LED control button on the top panel to cycle through modes.
- **Fans Not Spinning:** Check fan connections to the motherboard or fan controller. Ensure fans are not obstructed by cables.
- **Front Panel Ports Not Functioning:** Confirm that all front panel I/O cables (USB, audio, card reader) are securely connected to the correct headers on your motherboard.
- **Overheating:** Ensure all case fans are spinning correctly and are oriented for optimal airflow (intake/exhaust). Clean any dust filters and internal components. Verify CPU cooler and GPU cooler are properly installed.

9. WARRANTY AND SUPPORT

The AeroCool Cylon RGB Mid Tower PC Case comes with a **1-year part and labor warranty**. For technical support or warranty claims, please contact AeroCool customer service through their official website or the retailer where the product was purchased. Keep your proof of purchase for warranty validation.