

COUGAR CGR-5AD1W-RGB

COUGAR Duoface Pro RGB Mid Tower Case Instruction Manual

Model: CGR-5AD1W-RGB

INTRODUCTION

Welcome to the COUGAR Duoface Pro RGB Mid Tower Case instruction manual. This document provides essential information for setting up, operating, maintaining, and troubleshooting your new PC case. Please read through these instructions carefully to ensure proper installation and optimal performance of your system.

PRODUCT OVERVIEW

The COUGAR Duoface Pro RGB is a versatile mid-tower case designed for PC enthusiasts. It offers two distinct front panels: a tempered glass panel for showcasing your build and an airflow-optimized mesh panel. The case supports large components, including graphics cards up to 390mm in length and E-ATX motherboards. It features incredible RGB lighting and an innovative quick-slide dust filter for easy maintenance.



The COUGAR Duoface Pro RGB Mid Tower Case in white, showcasing its tempered glass front panel and internal RGB fans.

SPECIFICATIONS

Feature	Specification
Brand	COUGAR
Model Name	CGR-5AD1W-RGB
Case Type	Mid Tower
Motherboard Compatibility	Extended ATX
Graphics Card Length Support	Up to 390mm
CPU Cooler Height Support	Up to 190mm
Dimensions (LxWxH)	18.31 x 9.45 x 19.53 inches
Item Weight	22 pounds
Front Panel Options	Tempered Glass, Mesh Airflow Panel
Pre-installed Fans	3x 120mm ARGB (front), 1x 120mm ARGB (rear)
USB 3.0 Ports	2

USB 2.0 Ports	2
Cooling Method	Air, Water

SETUP

Unboxing and Initial Inspection

Carefully remove the case from its packaging. The case comes with the tempered glass front panel pre-installed. An additional mesh panel is included in a separate box.



The COUGAR Duoface Pro RGB case packaged in its standard brown carton box, with the tempered glass panel pre-installed and an additional mesh panel box.

Accessing the Interior

To open the tempered glass side panel, locate and unscrew the thumb screw at the rear of the panel. Once the screw is removed, gently pull the panel from the top to disengage it from the magnetic mounts, then lift it off.



A hand unscrewing the thumb screw securing the tempered glass side panel of the COUGAR Duoface Pro RGB case.

The solid rear side panel is secured by two regular screws. Remove these screws and slide the panel backward to detach it.

Motherboard Installation

The Duoface Pro RGB supports motherboards from Mini-ITX up to E-ATX. For E-ATX motherboards, you may need to remove the cable management bar located on the right-hand side of the motherboard tray to provide sufficient space. This bar is typically secured by a single screw.

Comparison



Model Name	Duoface Pro RGB		Duoface Pro RGB(White)	Airface Pro RGB	Airface Pro RGB(White)
Model No.	CGR-5AD1B-RGB		CGR-5AD1W-RGB	CGR-5AD1B-AIR-RGB	CGR-5AD1W-AIR-RGB
Front Panel	Tempered Glass & Airflow Panels			Airflow Panel	
I/O Panel	Type C Gen 2 (Key A 20-pin connector) x 1 , USB 3.0 x 2, USB 2.0 x 1, 4 Pole Headset Audio Jack x 1, RGB Button				
Front Slide Dust Filter Material	Nylon				
Pre-installed Fans	Front	120mm ARGB fan x 3 pre-installed			
	Rear	120mm ARGB fan x 1 pre-installed			
Onboard Lighting System	Yes				
RGB Sync. with M/B	Yes				
COUGAR Logo RGB Light	Yes			-	
Transparent Left Panel	Tempered Glass				

An internal view of the COUGAR Duoface Pro RGB case highlighting E-ATX motherboard compatibility and 390mm graphics card length support.

CPU Cooler and GPU Installation

The case accommodates CPU air coolers up to 190mm in height. For graphics cards, there is ample space for cards up to 390mm in length. The case also features triple vertical slots, allowing for vertical GPU mounting with a separate PCIe riser cable (not included).



A close-up view of the adjustable GPU support bracket inside the COUGAR Duoface Pro RGB case, designed to prevent sag for longer graphics cards.

Fan and Radiator Support

The case supports up to nine fans. The front and top panels can accommodate up to three 120mm fans or two 140mm fans. The rear supports one 120mm or 140mm fan. For liquid cooling, the front and top can house radiators up to 360mm or 280mm, while the rear supports a 120mm or 140mm radiator.



An exploded view of the COUGAR Duoface Pro RGB case, showing the removable top panel, front fan bracket, and various internal components.

Storage Installation

The case includes two SSD brackets behind the motherboard tray and a removable drive cage in front of the PSU shroud for two 3.5-inch HDDs. This cage can be removed by unscrewing a single screw and sliding it out.

Cable Management

The Duoface Pro RGB offers approximately 2.3-2.4mm of space behind the motherboard tray for cable management. It features pre-installed Velcro straps and guiding rails to help keep cables tidy. Rubber grommets are strategically placed around the motherboard tray to facilitate clean cable routing.

OPERATING INSTRUCTIONS

Interchangeable Front Panels

The case comes with two distinct front panels: a tempered glass panel for aesthetics and a mesh panel for optimized airflow. To swap panels, gently pull the current panel from the bottom to disengage the clips, then lift it off. Align the new panel with the clips and push firmly until it snaps into place.



The COUGAR Duoface Pro RGB case with its tempered glass front panel, showcasing the internal RGB fans.



The COUGAR Duoface Pro RGB case with its mesh front panel, providing optimal airflow for the internal RGB fans.

RGB Lighting Control

The case features incredible RGB lighting from its pre-installed fans. An RGB button on the I/O panel allows for direct control of lighting effects. For advanced synchronization, connect the included SATA-powered ARGB controller to your motherboard's ARGB header and use your motherboard's software.

MAINTENANCE

Dust Filter Cleaning

The Duoface Pro RGB includes an innovative quick-slide dust filter at the bottom of the case. This filter can be easily removed by sliding it out for cleaning without disassembling any other components. Regularly clean the dust filters to maintain optimal airflow and prevent dust buildup inside your system.



Size Matters

Thanks to its 240mm wide-body design, the Duoface Pro RGB offers an ample interior space that easily accommodates an E-ATX motherboard, a 390mm graphics card, and two 3.5" HDDs and two 2.5" SSDs, making it perfect for even the most demanding system builds.

The innovative quick-slide dust filter being removed from the bottom of the COUGAR Duoface Pro RGB case for easy cleaning.

TROUBLESHOOTING

Fan Noise

The pre-installed fans may exhibit a slight whistling noise at lower speeds. While generally acceptable for included fans, if quiet operation is a priority, consider replacing them with premium aftermarket fans.

Front Panel Installation

When re-installing the front panel, ensure it is aligned correctly with the clips before pushing it into place. Improper alignment may require more force and could potentially damage the clips or the panel.

Side Panel Removal

When removing the tempered glass side panel, after unscrewing the rear thumb screw and disengaging the top magnets, support the panel from the bottom to prevent it from falling. The bottom hook is short, and the panel can easily detach if not supported.

WARRANTY AND SUPPORT

For detailed warranty information, technical support, and service inquiries, please visit the official COUGAR website. Keep your proof of purchase for any warranty claims.

Additional protection plans may be available for purchase separately to extend coverage beyond the standard manufacturer's warranty.