COUGAR MX360 RGB

COUGAR MX360 RGB Mid Tower PC Case

Instruction Manual

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your COUGAR MX360 RGB Mid Tower PC Case. Please read this manual thoroughly before beginning installation to ensure proper setup and to maximize the performance and longevity of your system components.



Figure 1.1: Angled front view of the COUGAR MX360 RGB Mid Tower PC Case, showcasing its tempered glass side panel and integrated RGB lighting on the front panel.

2. Features

- **Dynamic RGB Lighting:** Integrated RGB lighting on the front panel for customizable aesthetics.
- **Tempered Glass Side Panel:** Provides a clear view of internal components.
- **Optimized Airflow:** Designed for efficient cooling with support for multiple fans and radiators.
- **Versatile Storage Options:** Supports multiple 3.5" HDDs and 2.5" SSDs.
- **Convenient I/O Panel:** Easily accessible ports including USB 3.0, USB 2.0, and audio jacks.
- **Motherboard Compatibility:** Supports Mini ITX, Micro ATX, and ATX motherboards.

3. Package Contents

Please verify that all components are present before proceeding with installation. The package should contain:

- COUGAR MX360 RGB Mid Tower PC Case
- Accessory Box (containing screws, standoffs, cable ties, and a user manual)

If any items are missing or damaged, please contact your retailer or COUGAR customer support.

4. Setup and Installation Guide

4.1. Preparation

Before starting, ensure you have the following:

- Phillips head screwdriver
- Anti-static wrist strap (recommended)
- Your PC components (motherboard, CPU, GPU, PSU, storage drives, RAM)

Place the case on a flat, stable surface. Remove the tempered glass side panel by unscrewing the thumb screws at the rear of the case and carefully sliding the panel off.



Figure 4.1: Left side view of the COUGAR MX360 RGB PC Case, showing the tempered glass panel that can be removed for component installation.

4.2. Motherboard Installation

Install the I/O shield into the rear opening of the case. Align your motherboard with the pre-installed standoffs. If

your motherboard form factor (Mini ITX, Micro ATX, ATX) requires additional standoffs, install them in the appropriate holes. Secure the motherboard with the provided screws.



Figure 4.2: Interior view of the COUGAR MX360 RGB PC Case with the side panel removed, illustrating the spacious layout for component installation, including motherboard tray and fan mounts.

4.3. Power Supply Unit (PSU) Installation

The MX360 RGB supports bottom-mounted PSUs. Slide your PSU into the dedicated compartment at the bottom rear of the case. Secure it with screws from the rear of the case.

4.4. Storage Drive Installation

The case supports 2 x 3.5" drive bays and 2+1 (converted from 3.5" drive bay) 2.5" SSD trays. Install your hard drives or solid-state drives into the designated bays and secure them with the appropriate screws.

4.5. Expansion Card Installation

Remove the necessary PCIe slot covers from the rear of the case. Insert your graphics card or other expansion cards into the motherboard's PCIe slots and secure them with screws.

4.6. Cooling System Installation

The case supports various cooling configurations:

- **Front:** 3 x 120mm or 2 x 140mm fans. Water cooling radiators up to 360mm.
- **Top:** 2 x 120mm or 2 x 140mm fans. Water cooling radiators up to 240mm.
- **Rear:** 1 x 120mm fan. Water cooling radiators up to 120mm.

Install your chosen fans or radiators into the appropriate mounting points and connect them to your motherboard or fan controller.

4.7. Front I/O Panel Connections

Connect the front panel cables to your motherboard. These include:

- USB 3.0 (2 ports)
- USB 2.0 (1 port)
- Microphone and Audio jacks
- Power switch, Reset switch, HDD LED, Power LED
- RGB Button (for controlling integrated lighting)

Refer to your motherboard manual for the correct pin assignments.



Figure 4.3: Top I/O panel of the COUGAR MX360 RGB PC Case, featuring USB 3.0, USB 2.0, audio ports, and the power/reset buttons.

4.8. Cable Management

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

5. Operating the RGB Lighting

The COUGAR MX360 RGB features integrated RGB lighting on its front panel. This lighting can be controlled via a dedicated RGB button on the top I/O panel or synchronized with compatible motherboards (RGB Sync with M/B: Yes).

- **RGB Button Control:** Press the RGB button on the top panel to cycle through various lighting effects and colors.
- **Motherboard Sync:** Connect the case's RGB cable to a compatible 5V 3-pin addressable RGB header on your motherboard. Use your motherboard's RGB software to control the lighting effects.

6. Maintenance

Regular maintenance helps ensure optimal performance and longevity of your PC components.

- **Dust Filters:** The case includes removable dust filters (e.g., on the top and bottom). Clean these filters periodically by removing them and gently brushing or washing off accumulated dust. Ensure they are completely dry before re-installing.
- **Interior Cleaning:** Use compressed air to remove dust from internal components and fan blades. Ensure the system is powered off and unplugged before cleaning.
- **Exterior Cleaning:** Wipe the exterior surfaces with a soft, damp cloth. Avoid abrasive cleaners or solvents.

7. Troubleshooting

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

- **No Power:** Ensure all power cables (24-pin ATX, 8-pin CPU, GPU power) are securely connected. Check that the PSU switch is in the 'ON' position. Verify front panel power switch connections to the motherboard.
- **Fans Not Spinning:** Check fan connections to the motherboard or fan controller. Ensure fan headers are enabled in BIOS/UEFI.
- **RGB Lighting Not Working:** Verify the RGB cable connection to the motherboard or controller. If using motherboard sync, ensure the correct software is installed and configured. Try cycling through effects with the case's RGB button.
- **Overheating:** Ensure all fans are installed correctly and spinning. Check for obstructions to airflow. Clean dust filters and internal components.

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

8. Specifications

The following table details the technical specifications of the COUGAR MX360 RGB Mid Tower PC Case:



Specifications

Product Name		MX360 RGB
Model No.		CGR-5CC6G-RGB
Case Form Factor		Mid Tower
Motherboard Type		Mini ITX / Micro ATX / ATX
Dimensions (WxHxD)		210 x 460 x 378 (mm) 8.3 x 18.1 x 14.9 (in)
I/O Panel		USB 3.0 x 2, USB 2.0 x 1, Mic x 1 / Audio x 1, RGB Button
3.5" Drive Bay		2
2.5" Drive Bay		2+1 (converted from 3.5" drive bay) / (2 SSD trays included)
Expansion Slots		7
Cooling Fan Support	Front	120mm x 3 / 140mm x 2
	Top	120mm x 2 / 140mm x 2
	Rear	120mm x 1
Pre-installed Fans	Rear	120mm ARGB fan x 1
	Speed	1000 ± 100 RPM
	Connector	5V 3 Pin (ARGB) / 3 Pin (Fan)
Maximun Number of Fans		6 Max.
Water Cooling Support	Front	*360mm / 280mm / 240mm / 140mm / 120mm
	Top	240mm / 120mm
	Rear	120mm
Transparent Left Panel		Tempered Glass
RGB Sync with M/B		Yes
Max. Graphics Card Length		315 (mm) / 12.4 (in)
Max. CPU Cooler Height		170 (mm) / 6.7 (in)
Max. PSU Length		160 (mm) / 6.3 (in)

* When install a 360mm radiator at the front, the maximum PSU length is 140mm.

Figure 8.1: Detailed specifications table for the COUGAR MX360 RGB PC Case.

Feature	Specification
Product Name	MX360 RGB
Model No.	CGR-SCC6G-RGB (385CC60.0001)
Case Form Factor	Mid Tower
Motherboard Compatibility	Mini ITX, Micro ATX, ATX

Feature	Specification
Dimensions (WxHxD)	210 x 460 x 378 mm (8.3 x 18.1 x 14.9 inches)
I/O Panel	USB 3.0 x 2, USB 2.0 x 1, Mic x 1, Audio x 1, RGB Button
3.5" Drive Bay	2
2.5" Drive Bay	2+1 (converted from 3.5" drive bay)
Expansion Slots	7
Cooling Fan Support - Front	120mm x 3 / 140mm x 2
Cooling Fan Support - Top	120mm x 2 / 140mm x 2
Cooling Fan Support - Rear	120mm x 1
Pre-installed Fans - Rear	120mm ARGB fan x 1
Pre-installed Fans - Speed	1000 ± 100 RPM
Pre-installed Fans - Connector	5V 3 Pin (ARGB) / 3 Pin (Fan)
Maximum Number of Fans	6 Max.
Water Cooling Support - Front	360mm / 280mm / 240mm / 140mm / 120mm
Water Cooling Support - Top	240mm / 120mm
Water Cooling Support - Rear	120mm
Transparent Left Panel	Tempered Glass
RGB Sync with M/B	Yes
Max. Graphics Card Length	315 mm (12.4 inches)
Max. CPU Cooler Height	170 mm (6.7 inches)
Max. PSU Length	160 mm (6.3 inches)

Note: When installing a 360mm radiator at the front, the maximum PSU length is 140mm.

9. Warranty and Support

COUGAR products are designed and manufactured to high-quality standards. For information regarding warranty terms and conditions, please refer to the warranty card included with your product or visit the official COUGAR website. For technical support or inquiries, please contact COUGAR customer service through their official channels.

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