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Mars Gaming MCGEOW

MARSGAMING MC-GEO ATX Gaming Case User Manual

Model: MC-GEO (MCGEOW)

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your MARSGAMING MC-GEO ATX Gaming Case. Please read this manual thoroughly before beginning installation to ensure proper setup and safe usage. This PC case is designed to provide optimal cooling and performance for your computer components.



Figure 1.1: Overview of the MARSGAMING MC-GEO ATX Gaming Case.

2. Safety Information

Always observe the following safety precautions to prevent injury and damage to your equipment:

- Ensure the power supply is disconnected from the wall outlet before installing or removing any components.
- Handle all components with care to avoid static discharge. Consider using an anti-static wrist strap.
- Do not operate the case with the side panel removed unless performing maintenance or installation.
- Keep the case away from water, moisture, and extreme temperatures.
- Do not block ventilation openings.
- Keep out of reach of children.

3. Package Contents

Verify that all items are present in the package:

- MARSGAMING MC-GEO ATX Gaming Case
- 4x 120mm FRGB Rainbow Fans (pre-installed)
- Accessory Kit (screws, standoffs, cable ties)
- User Manual (this document)

4. Setup and Installation

4.1. Preparing the Case

Place the case on a flat, stable surface. Remove the tempered glass side panel by unscrewing the thumb screws at the rear and carefully sliding it off. Set it aside on a soft, non-abrasive surface.



Figure 4.1: The tempered glass side window provides a clear view of internal components and enhances RGB lighting.

4.2. Motherboard Installation

Install the appropriate standoffs for your motherboard size (ATX, MicroATX, or Mini-ITX). Carefully place your motherboard onto the standoffs and secure it with screws from the accessory kit.

4.3. Power Supply Installation

The MC-GEO features a dual-chamber design. Install your power supply unit (PSU) in the dedicated compartment at the bottom rear of the case. Secure it with screws.

4.4. Storage Drive Installation

The case supports 2x 3.5" HDDs and 2x 2.5" SSDs. Install your storage drives in the designated bays. Refer to the accessory kit for necessary mounting hardware.

4.5. Graphics Card and Expansion Card Installation

Remove the necessary PCIe slot covers. Insert your graphics card (up to 325mm length supported) and other expansion cards into their respective slots on the motherboard and secure them.

4.6. Cooling System Installation

The case comes with 4x 120mm FRGB Rainbow fans pre-installed. Additional fans can be installed. For liquid cooling, the case supports radiators up to 360mm in the front. Ensure proper airflow direction for optimal cooling.



Figure 4.2: The MC-GEO case includes four 120mm FRGB Rainbow fans for effective cooling and vibrant lighting.



Figure 4.3: The case supports liquid cooling systems up to 360mm for enhanced thermal management.

4.7. Cable Management

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

4.8. Front Panel Connections

Connect the front panel cables (USB 3.0, USB 2.0, HD Audio, Power, Reset, LED) to the corresponding headers on your motherboard. Refer to your motherboard manual for pin assignments.

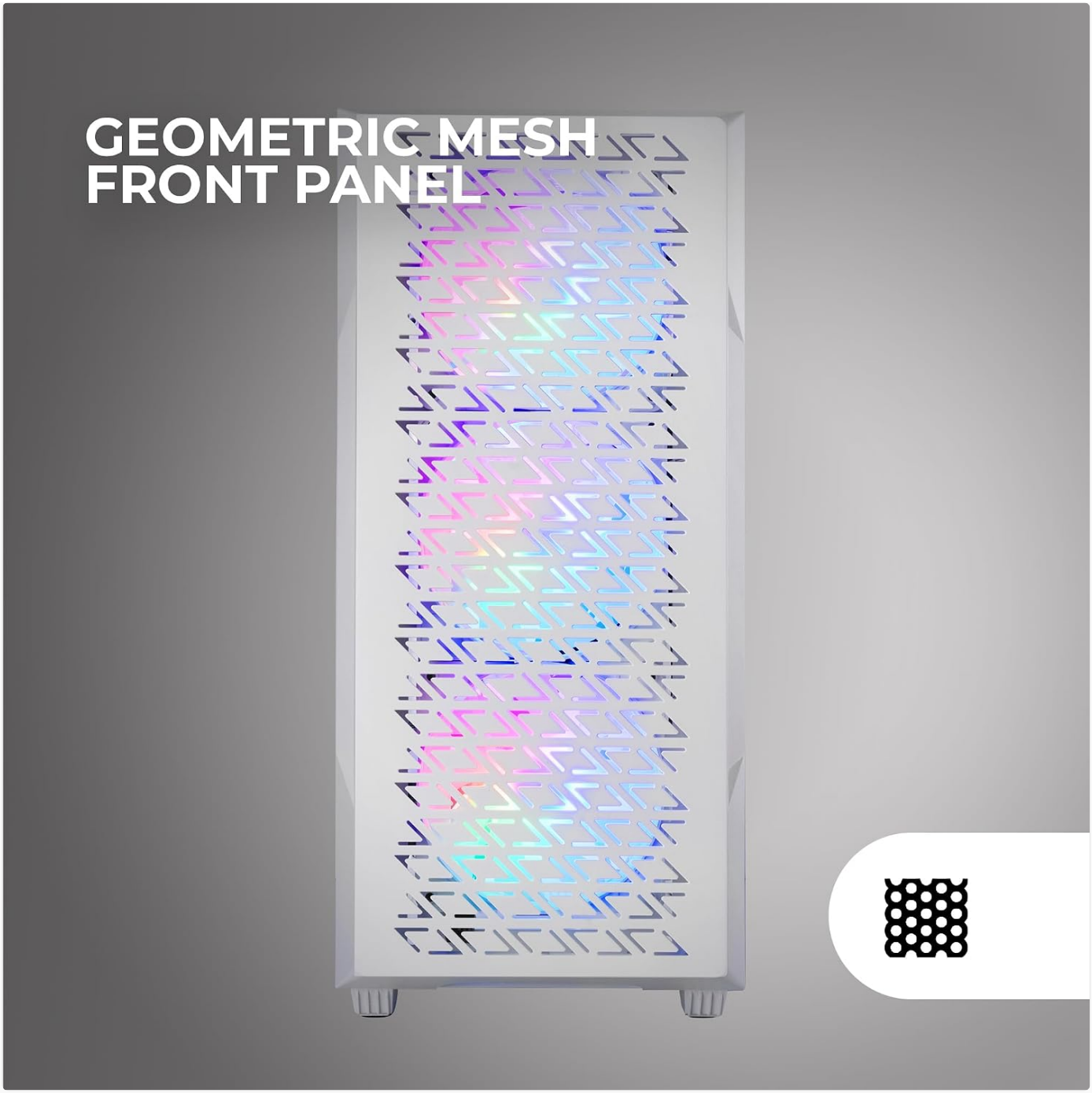


Figure 4.4: The geometric mesh front panel optimizes airflow and showcases the FRGB lighting.

5. Operating Instructions

Once all components are installed and cables are connected, replace the tempered glass side panel and secure it with the thumb screws. Connect your peripherals and power cable to the PSU. Power on your system using the power button on the top panel of the case.

The pre-installed FRGB fans will illuminate upon power-on, providing a rainbow lighting effect. The geometric mesh front panel allows for excellent airflow, contributing to the overall cooling performance of your system.

6. Maintenance

Regular maintenance helps ensure optimal performance and longevity of your PC case:

- **Dust Cleaning:** Periodically clean dust filters and fan blades. Use compressed air to remove dust from inside the case and components.

- **Exterior Cleaning:** Wipe the exterior surfaces with a soft, damp cloth. Avoid abrasive cleaners or solvents.
- **Cable Management Check:** Occasionally check cable routing to ensure no cables are obstructing airflow or fan operation.

7. Troubleshooting

If you encounter issues with your MC-GEO case, consider the following common solutions:

Problem	Possible Cause	Solution
Fans not spinning / RGB not lighting up	Loose power connection to fans or fan controller.	Check all fan power cables and RGB connections to the motherboard or fan hub. Ensure PSU is powered on.
Front panel USB ports not working	USB header cable not properly connected to motherboard.	Verify the USB 3.0 and USB 2.0 cables from the front panel are securely connected to the correct headers on your motherboard.
System overheating	Poor airflow, dust buildup, or incorrect fan orientation.	Ensure fans are oriented correctly for intake/exhaust. Clean dust filters and internal components. Check CPU cooler and GPU fan operation.
Power button not responding	Front panel power switch cable not connected or incorrectly connected to motherboard.	Refer to your motherboard manual and ensure the power switch cable is correctly connected to the front panel header pins.

8. Specifications

Feature	Detail
Model Name	MC-GEO (MCGEOW)
Case Type	Mid Tower
Motherboard Compatibility	ATX, MicroATX, Mini-ITX
Dimensions (LxWxH)	14.96 x 7.95 x 17.8 inches (380 x 202 x 452 mm approx.)
Weight	8.47 pounds (3.84 kg)
Material	Tempered Glass, Steel, Plastic
Pre-installed Fans	4x 120mm FRGB Rainbow Fans
Max CPU Cooler Height	157mm
Max GPU Length	325mm
Liquid Cooling Support	Front: Up to 360mm
Drive Bays	2x 3.5" HDD, 2x 2.5" SSD
Front I/O Ports	1x USB 3.0, 2x USB 2.0, HD Audio, Mic
Color	White

9. Warranty and Support

Mars Gaming products are designed and manufactured to the highest quality standards. For warranty information and technical support, please refer to the official Mars Gaming website or contact your local distributor. Keep your proof of purchase for warranty claims.
For further assistance, visit: www.marsgaming.eu

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