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Mars Gaming MC-VORTEX

MARSGAMING MC-VORTEX MicroATX Gaming Case

USER MANUAL

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your MARSGAMING MC-VORTEX MicroATX Gaming Case. Please read this manual thoroughly before beginning installation to ensure proper setup and to maximize the performance and longevity of your system.

2. Product Features

The MARSGAMING MC-VORTEX is a compact MicroATX gaming case designed for efficient cooling and aesthetic appeal. Key features include:

- **Geometric Mesh Front Panel:** Maximizes airflow for optimal cooling performance.
- **Tempered Glass Side Panel:** Provides a clear view of internal components and RGB lighting.
- **Pre-installed FRGB Fans:** Includes three 120mm FRGB Rainbow fans (two front, one rear) for effective cooling and vibrant illumination.
- **Expandable Cooling:** Supports up to seven fans and 120mm liquid cooling solutions.
- **Dual-Chamber Design:** Separates the power supply and storage drives for improved thermal management and cleaner cable routing.
- **Compact High Performance:** Accommodates MicroATX and Mini-ITX motherboards, VGA cards up to 273mm, and CPU coolers up to 162mm.
- **Optimized Maintenance:** Features a magnetic top dust filter and advanced cable management system.
- **Front I/O Connectivity:** Includes 1x USB 3.0, 2x USB 2.0, and HD audio/microphone ports.



Image 2.1: The MARSGAMING MC-VORTEX case showcasing its internal components and RGB lighting.



Image 2.2: Detailed view of the geometric mesh front panel, designed for enhanced airflow.



Image 2.3: The tempered glass side panel offers a clear view of the illuminated interior.

3. Package Contents

Upon opening the package, please verify that all components are present:

- MARSGAMING MC-VORTEX MicroATX Gaming Case
- Accessory box (containing screws, standoffs, cable ties)
- User Manual (this document)

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

4. Setup and Component Installation

Follow these steps for proper assembly and installation of your PC components into the MC-VORTEX case.

4.1. Preparing the Case

1. Place the case on a flat, stable surface.
2. Carefully remove the tempered glass side panel by unscrewing the four thumb screws. Set the panel aside on a soft, non-abrasive surface to prevent scratches.
3. Remove the rear side panel (solid metal panel) by unscrewing its two thumb screws. This will provide access for cable management.

4.2. Motherboard Installation

1. Install the I/O shield (if not pre-attached to your motherboard) into the rear opening of the case.
2. Align your MicroATX or Mini-ITX motherboard with the pre-installed standoffs inside the case. Ensure the screw holes on the motherboard match the standoffs.
3. Secure the motherboard using the provided motherboard screws from the accessory box. Do not overtighten.

4.3. Power Supply Unit (PSU) Installation

1. Locate the PSU mounting area at the bottom rear of the case, within the dual-chamber design.
2. Slide your ATX power supply into the designated bay from the rear of the case.
3. Secure the PSU to the case using the provided PSU screws.

4.4. Storage Drive Installation

The MC-VORTEX supports one 3.5" HDD and two 2.5" SSDs.

- **3.5" HDD:** Locate the drive cage in the lower chamber. Slide the 3.5" HDD into the bay and secure it with screws.
- **2.5" SSDs:** Mount the 2.5" SSDs onto the designated mounting points, typically behind the motherboard tray or in the lower chamber, and secure with screws.

4.5. Expansion Card (GPU) Installation

1. Remove the necessary PCIe slot covers from the rear of the case.
2. Insert your graphics card or other expansion card into the appropriate PCIe slot on your motherboard.
3. Secure the card with the provided screw.

4.6. Cable Management and Front Panel Connections

1. Connect all necessary power cables from the PSU to your motherboard, graphics card, and storage drives.
2. Connect the front panel cables to your motherboard: USB 3.0, USB 2.0, HD Audio, Power Switch, Reset Switch, Power LED, and HDD LED. Refer to your motherboard manual for correct pin assignments.
3. Utilize the cable routing cutouts and tie-down points behind the motherboard tray to manage cables neatly. Use the included cable ties to secure bundles.
4. Ensure cables do not obstruct airflow or fan operation.



Image 4.1: The dual-chamber design facilitates organized cable management and improved thermal separation.

5. Operating Instructions

After all components are installed and cables are connected, you can power on your system.

1. Ensure the power supply switch is in the 'ON' position.
2. Press the power button on the front panel of the case.
3. The pre-installed FRGB fans will illuminate, and your system should begin to boot.

The FRGB fans typically cycle through a rainbow effect. Specific control over fan speed or lighting patterns may depend on your motherboard's capabilities and software.



Image 5.1: The three 120mm FRGB fans provide cooling and aesthetic lighting.

6. Maintenance

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

- **Dust Filter Cleaning:** The top panel features a magnetic dust filter. Periodically remove and clean it with compressed air or water (ensure it is completely dry before reattaching).
- **Interior Cleaning:** Use compressed air to remove dust from internal components, especially fan blades and heatsinks. Perform this cleaning in a well-ventilated area.
- **Exterior Cleaning:** Wipe the exterior surfaces with a soft, damp cloth. Avoid harsh chemicals.

7. Troubleshooting

If you encounter issues, consider the following common troubleshooting steps:

- **No Power:** Ensure the PSU is switched on, all power cables are securely connected to the motherboard and components, and the front panel power switch cable is correctly connected to the motherboard.
- **Fans Not Spinning/No RGB:** Check fan power connections (e.g., to motherboard headers or a fan controller). Verify that RGB connections are secure.
- **No Display:** Ensure your graphics card is properly seated in its PCIe slot and connected to power. Verify that your monitor cable is connected to the graphics card (not the motherboard's integrated graphics ports, unless you are using integrated graphics).
- **Overheating:** Confirm all case fans are spinning correctly and oriented for proper airflow. Ensure CPU cooler is properly installed. Clean dust filters and internal components.

For more complex issues, consult the manuals for your individual components (motherboard, GPU, PSU) or seek professional assistance.

8. Specifications

Model Name	MC-VORTEX
Case Type	MicroATX Mini Tower
Motherboard Compatibility	Micro ATX, Mini ITX
Material	Steel, Tempered Glass
Color	Black
Pre-installed Fans	3 x 120mm FRGB Rainbow (2 front, 1 rear)
Max Fan Support	Up to 7 fans
Liquid Cooling Support	120mm
Drive Bays	1 x 3.5" HDD, 2 x 2.5" SSD
Max VGA Length	273mm
Max CPU Cooler Height	162mm
Front I/O Ports	1 x USB 3.0, 2 x USB 2.0, HD Audio, Microphone
Item Weight	2.9 Kilograms

9. Warranty and Support

Warranty information for the MARSGAMING MC-VORTEX case is typically provided with your purchase documentation or can be found on the official Mars Gaming website. Please retain your proof of purchase for warranty claims.
For technical support, driver downloads, or further assistance, please visit the official Mars Gaming support page or contact their customer service directly.

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