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> MSI MAG Forge 112R Mid-Tower Gaming PC Case Instruction Manual

msi MAG Forge 112R

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INSTRUCTION MANUAL

1. Introduction

This manual provides detailed instructions for the assembly, operation, and maintenance of your MSI MAG Forge 112R Mid-Tower Gaming PC Case. Please read this manual thoroughly before beginning installation to ensure proper setup and optimal performance of your system.

The MSI MAG Forge 112R is designed to accommodate various PC components, offering excellent airflow, customizable ARGB lighting, and a durable tempered glass side panel for showcasing your build.

2. Key Features

- **4x Included ARGB Fans:** Pre-installed fans provide efficient cooling and vibrant, customizable lighting.
- **4mm Tool-Less Tempered Glass Side Panel:** Offers a clear view of internal components and allows for easy access without tools.
- **Liquid Cooling Support:** Compatible with radiators up to 240mm for advanced cooling solutions.
- **Modern Symmetrical Design with Mesh Front Panel:** Ensures optimal airflow for component cooling.
- **Magnetic Dust Filter:** Located on the top panel for easy cleaning and dust prevention.

3. Setup and Installation

3.1. Unpacking and Initial Inspection

Carefully remove the PC case from its packaging. Inspect the case for any signs of damage during transit. Retain all packaging materials for future transport or warranty claims.

3.2. Removing Side Panels

The MSI MAG Forge 112R features a tool-less tempered glass side panel for easy access to the interior. Unscrew the

four thumb screws located at each corner of the tempered glass panel. Gently pull the panel away from the chassis and set it aside on a soft, flat surface to prevent scratches.



Image: The 4mm tempered glass side panel removed from the MSI MAG Forge 112R case, revealing the interior.



Image: Illustration of the tool-less side panel design, allowing for easy installation and removal of the tempered glass.

3.3. Front Panel Access

To access the front fans or install a front radiator, gently pull the bottom of the front mesh panel outwards until it detaches from the chassis. This provides full access to the front fan mounts.

3.4. Motherboard Installation

The case supports ATX, M-ATX, and ITX motherboards. Install the necessary standoffs for your motherboard size. Carefully align your motherboard with the standoffs and secure it with screws.

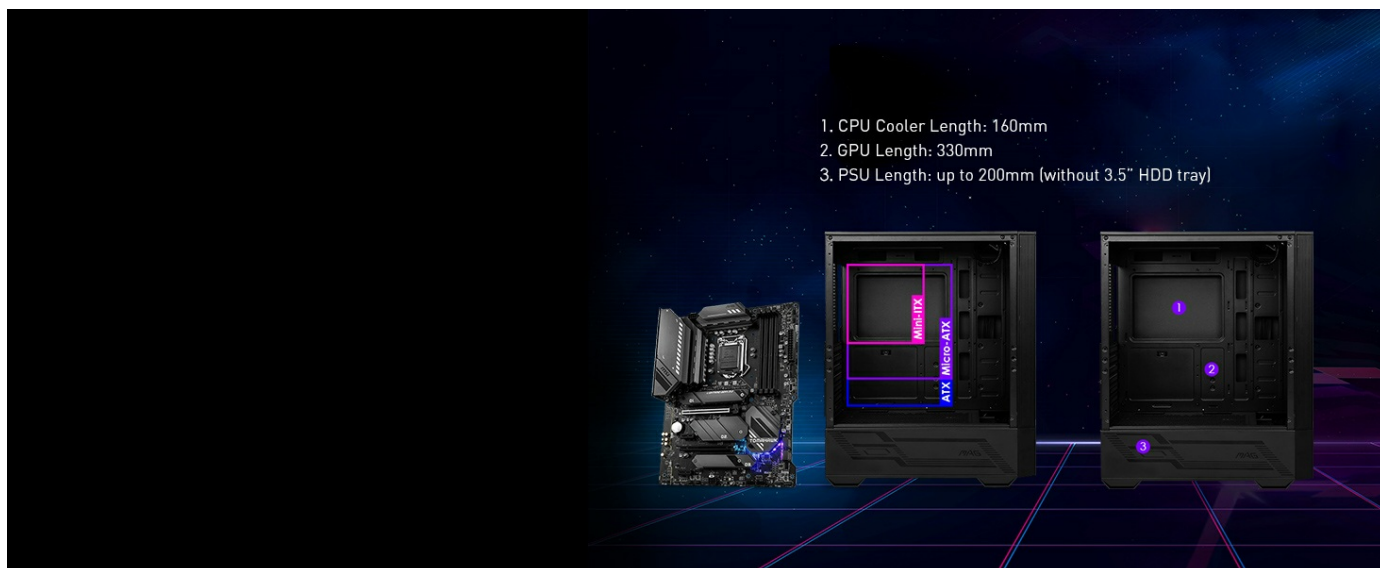


Image: Diagram illustrating component clearance within the MSI MAG Forge 112R, including CPU cooler length (160mm), GPU length (330mm), and PSU length (up to 200mm without 3.5" HDD tray).

3.5. Drive Installation

The case includes drive bays for 3.5-inch HDDs and 2.5-inch SSDs. Locate the drive cages in the bottom shroud. Secure your drives into the appropriate trays and slide them back into the cages.

3.6. Cable Management

Utilize the cable routing cutouts and tie-down points behind the motherboard tray to manage cables effectively. This improves airflow and maintains a clean aesthetic.

3.7. Fan and Radiator Support

The case supports various fan and radiator configurations. The front panel supports up to three 120mm or two 140mm fans, or a 240mm radiator. The top supports two 120mm or two 140mm fans. The rear supports one 120mm fan.

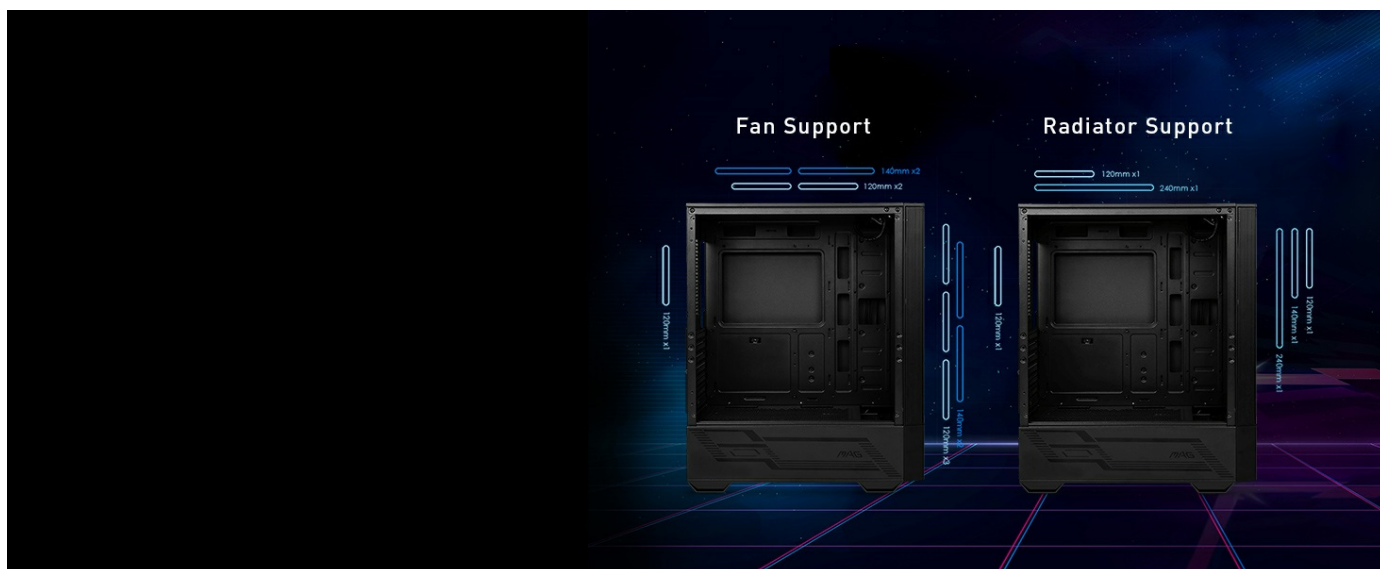


Image: Diagram detailing fan and radiator support, showing placements for 120mm and 140mm fans, and 120mm/240mm radiators.

4. Operating Instructions

4.1. Powering On

After all components are securely installed and cables connected, press the power button located on the top I/O panel to power on your system.

4.2. ARGB Lighting Control

The pre-installed ARGB fans can be controlled via the 'Insta-Light Loop Button' on the top I/O panel. Press this button to cycle through various lighting effects and colors. Alternatively, connect the ARGB hub to a compatible motherboard for software control (e.g., MSI Mystic Light).



Image: Close-up of the Insta-Light Loop button on the top panel, used for quick control of fan and front LED strip lighting effects.



Image: An internal view of the MSI MAG Forge 112R showcasing the illuminated ARGB fans and internal components.

4.3. Front I/O Ports

The top I/O panel includes 2x USB 3.0 ports, audio in/out jacks, and the power/reset buttons for convenient connectivity.

5. Maintenance

5.1. Dust Filter Cleaning

The top panel features a magnetic dust filter. Regularly remove and clean this filter to prevent dust buildup and maintain optimal airflow. Simply lift the magnetic filter, clean it with water or a soft brush, and reattach it.

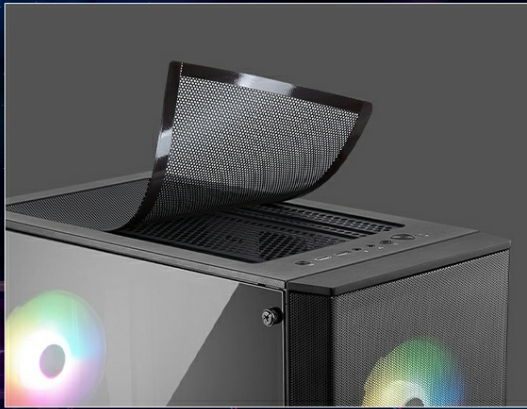


Image: The magnetic dust filter on the top of the MSI MAG Forge 112R, shown being removed for cleaning.

5.2. Internal Cleaning

Periodically open the side panels and use compressed air to remove dust from internal components, especially fans, heatsinks, and radiator fins. Ensure the system is powered off and unplugged before performing any internal cleaning.

6. Troubleshooting

- **System not powering on:** Ensure all power cables (motherboard, CPU, GPU, PSU) are securely connected. Check the power supply unit (PSU) switch.
- **Fans not spinning/ARGB not working:** Verify that all fan and ARGB cables are correctly connected to the motherboard or ARGB hub. Check motherboard software settings for ARGB control.
- **Overheating:** Ensure all case fans are properly installed and spinning. Clean dust filters and internal components. Verify proper installation of CPU cooler and thermal paste.
- **Loose side panel:** Ensure the tempered glass panel's thumb screws are tightened securely.

7. Specifications

Feature	Detail
Brand	msi
Model Name	Forge 112R
Case Type	Mid Tower
Motherboard Compatibility	ATX, M-ATX, ITX
Material	Tempered Glass
Color	Black

Number of Fans	4 (Included ARGB Fans)
Fan Size	120 Millimeters
Liquid Cooling Support	Up to 240mm Radiator
Total USB 3.0 Ports	2
Total Expansion Slots	7
Hard Disk Form Factor	3.5 Inches
Item Weight	15 Kilograms

8. Warranty and Support

8.1. Warranty Information

The MSI MAG Forge 112R PC Case comes with a **2-year manufacturer warranty**. Please retain your proof of purchase for warranty claims. The warranty covers defects in materials and workmanship under normal use.

8.2. Technical Support

For technical assistance, troubleshooting, or further inquiries, please visit the official MSI support website or contact their customer service. Refer to the product packaging or MSI's official website for the most up-to-date contact information and support resources.

You can also visit the [MSI Store on Amazon](#) for additional product information and accessories.

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