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› [MUSETEX G05MN6-HW ATX Mid-Tower PC Gaming Case Instruction Manual](#)

MUSETEX G05MN6-HW

MUSETEX G05MN6-HW ATX Mid-Tower PC Gaming Case Instruction Manual

Model: G05MN6-HW

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1. INTRODUCTION

This manual provides detailed instructions for the assembly, operation, and maintenance of your MUSETEX G05MN6-HW ATX Mid-Tower PC Gaming Case. Designed for optimal airflow and aesthetic appeal, this case features pre-installed ARGB fans, tempered glass panels, and efficient cable management solutions. Please read this manual thoroughly before beginning installation to ensure proper setup and safe operation.



Figure 1: MUSETEX G05MN6-HW ATX Mid-Tower PC Gaming Case. This image shows the assembled PC case with its vibrant ARGB fans illuminated, a tempered glass side panel, and a view of internal components.

2. KEY FEATURES

- **Outstanding Airflow:** Equipped with a large front panel metal mesh and 6 pre-installed 120mm ARGB fans to ensure efficient cooling and lighting.
- **Multiple ARGB Modes:** Features button control with 19 lighting modes. Supports motherboard control via a 5V 3-PIN header for expanded ARGB fan modes. *Note: 12V 4-PIN motherboards are not compatible with motherboard control mode; use button control only.*
- **Spacious Interior:** Two 4mm-thick tempered glass full-view side panels. Supports ATX, Micro ATX, and ITX motherboards.

Accommodates 120mm water cooling, GPUs up to 380mm, CPU air coolers up to 160mm, and PSUs up to 245mm (with removable hard disk holders).

- **Dust-proof Design:** Includes two dust filters; a top magnetic strip dust filter and a bottom PSU dust filter for easy installation and cleaning.
- **Convenient Top I/O Panel:** Features 1 x USB 3.0 Port, 2 x USB 2.0 Ports, 1 x HD Audio jack, LED Button, and Power/Reset buttons. The USB cable is shielded for interference-free data transmission.



Figure 2: Six 120mm ARGB fans are pre-installed, providing both cooling and customizable lighting without the need for separate fan purchases.

3. PACKAGE CONTENTS

Please verify that all components are present and undamaged upon opening the package. If any items are missing or damaged, contact MUSETEX customer support.

- MUSETEX G05MN6-HW ATX Mid-Tower PC Gaming Case
- 6 x 120mm ARGB Fans (pre-installed)
- 2 x Tempered Glass Side Panels (pre-installed)
- 1 x Remote Control for ARGB Lighting
- 1 x Accessory Box (containing screws, cable ties, and other small parts)
- 1 x User Manual (this document)

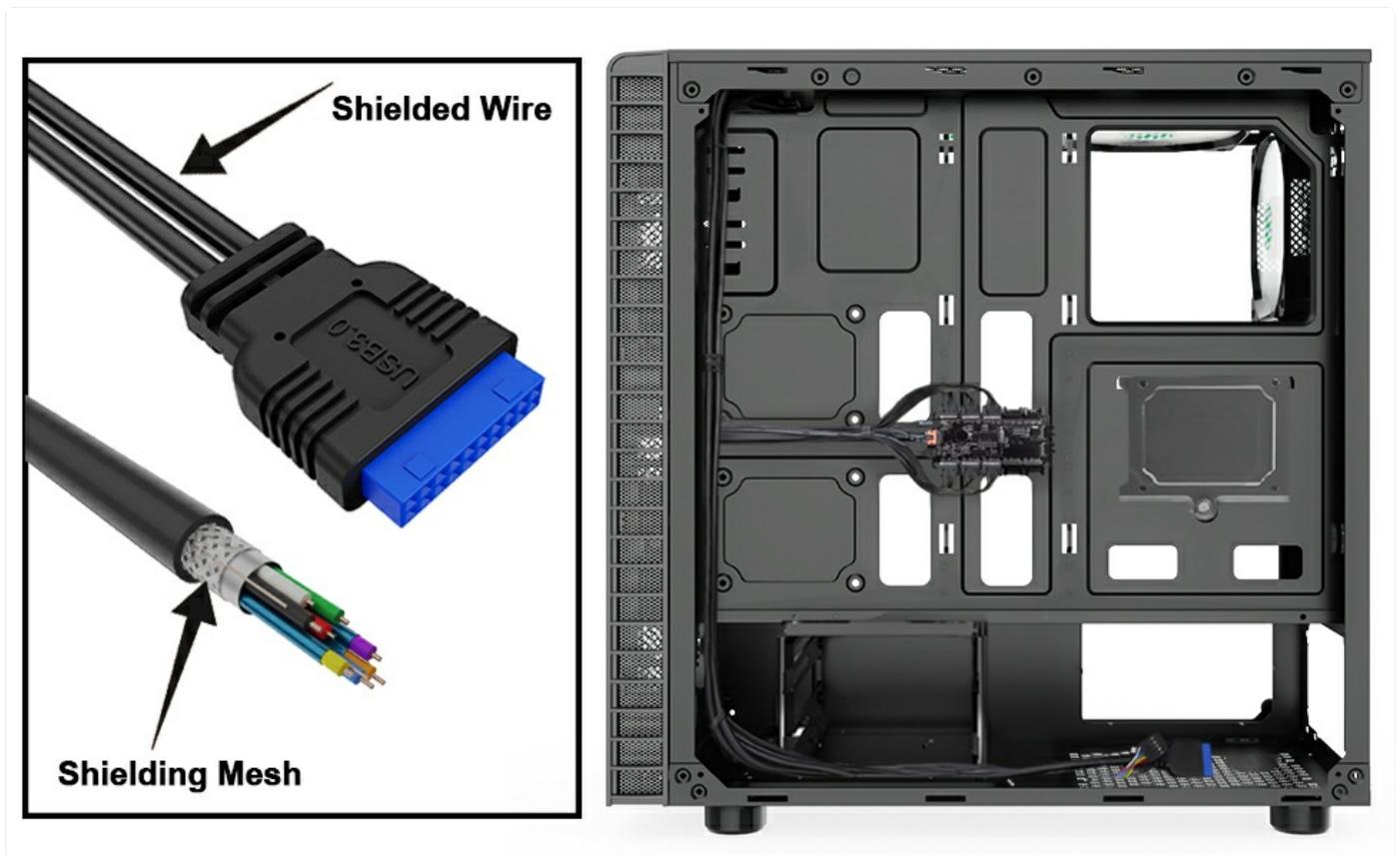


Figure 3: Exploded view illustrating the various components of the MUSETEX G05MN6-HW case, including the frame, tempered glass panels, fans, and dust filters.

4. SETUP & INSTALLATION

Before starting, ensure you have a clean, static-free workspace. Refer to your component manuals for specific installation instructions.

4.1 Preparing the Case

1. Carefully remove the tempered glass side panels by unscrewing the thumb screws. Place them on a soft, flat surface to prevent scratches or damage.
2. Identify the accessory box inside the case, which contains all necessary screws and mounting hardware.

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 ATX, Micro ATX, or ITX motherboard with the standoffs inside the case. Ensure all standoffs match the screw holes on your motherboard.
3. Secure the motherboard with the appropriate screws from the accessory box.



Figure 4: Internal layout of the case, indicating compatible motherboard sizes (Mini-ITX, M-ATX, ATX), maximum GPU length (380mm), and locations for SSDs, HDDs, and PSU.

4.3 Power Supply Unit (PSU) Installation

1. Slide the PSU into its designated compartment at the bottom rear of the case.
2. Secure the PSU with screws from the rear of the case.
3. Route PSU cables through the cable management cutouts to the motherboard and other components.

4.4 Storage Drive Installation (SSDs/HDDs)

- **2.5" SSDs:** Mount SSDs to the dedicated SSD trays or mounting points as shown in Figure 4.
- **3.5" HDDs:** Install HDDs into the removable hard disk holders located in the PSU shroud area. These holders can be removed to accommodate longer PSUs.

4.5 Graphics Card (GPU) Installation

1. Remove the necessary expansion slot covers at the rear of the case.
2. Insert your GPU into the appropriate PCIe slot on the motherboard.
3. Secure the GPU with screws. The case supports GPUs up to 380mm in length.

4.6 Connecting Front Panel I/O and ARGB Fans

1. Connect the front panel cables (Power SW, Reset SW, HDD LED, Power LED) to the corresponding pins on your motherboard. Refer to your motherboard manual for pin layout.
2. Connect the USB 3.0 cable to the USB 3.0 header on your motherboard.
3. Connect the USB 2.0 cables to the USB 2.0 headers on your motherboard.
4. Connect the HD Audio cable to the audio header on your motherboard.
5. The pre-installed ARGB fans are connected to a central controller. For motherboard ARGB control, connect the controller's 5V 3-PIN ARGB cable to your motherboard's 5V 3-PIN ARGB header. *Do not connect to a 12V 4-PIN RGB header, as this*

can damage the fans.



NOTICE:

5V ARGB SYNC with MOTHERBOARD

This Motherboard Cable is compatible with 5V 3PIN HEADER ONLY.

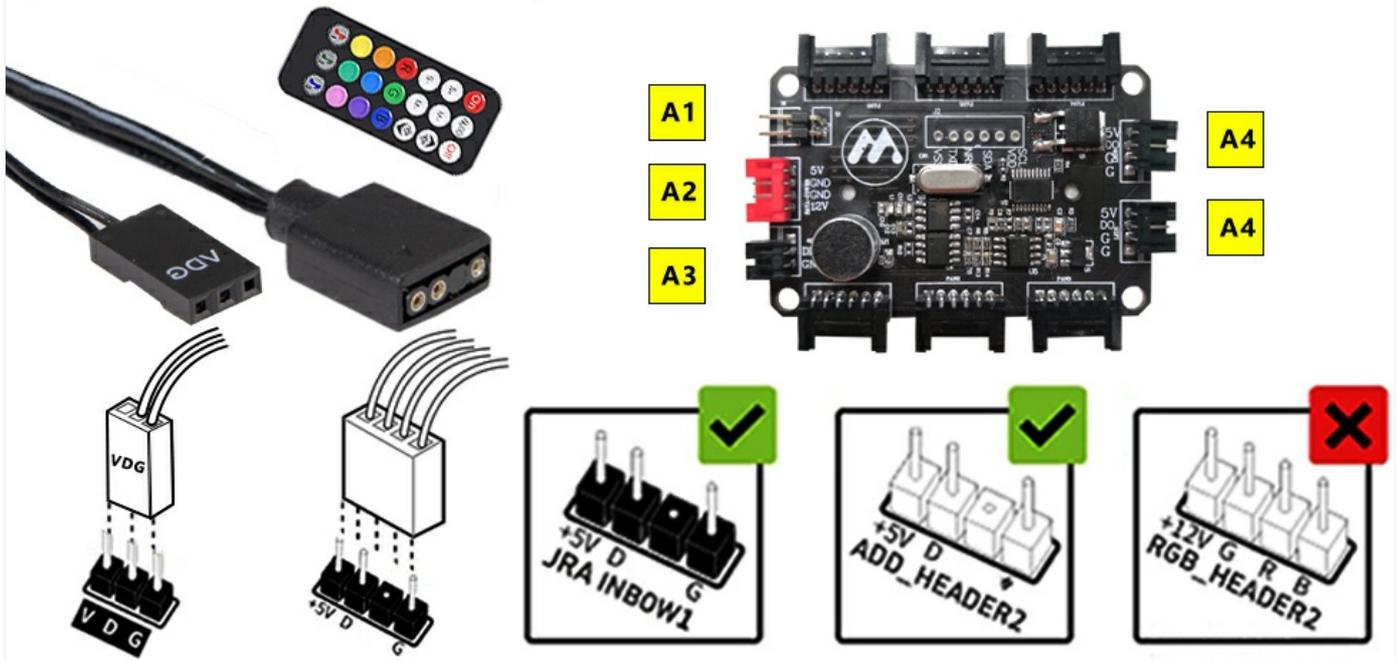


Figure 5: Diagram illustrating the top I/O panel connections, including LED, Power, Reset, USB 3.0, USB 2.0, and HD Audio ports.



Figure 6: Important notice regarding ARGB fan synchronization. This diagram shows the correct 5V 3-PIN ARGB header connection and warns against using 12V 4-PIN headers.

4.7 Cable Management

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



Figure 7: Illustration of the shielded USB 3.0 cable for stable data transmission and a view of the case's interior with cable management routes.

5. OPERATION

5.1 Powering On

After all components are securely installed and cables connected, replace the side panels. Connect your power cable to the PSU and press the power button on the top I/O panel to start your system.

5.2 ARGB Fan Control

- **Button Control:** Use the dedicated LED button on the top I/O panel to cycle through 19 pre-set ARGB lighting modes.
- **Motherboard Control:** If the ARGB controller is connected to a 5V 3-PIN ARGB header on your motherboard, you can use your motherboard's RGB software (e.g., ASUS Aura Sync, MSI Mystic Light Sync, Gigabyte RGB Fusion) to customize fan lighting. This offers a wider range of lighting effects.
- **Remote Control:** The included remote control provides additional options for changing lighting modes, colors, and fan speed.

6. MAINTENANCE

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

- **Dust Filter Cleaning:** The case is equipped with a top magnetic dust filter and a bottom PSU dust filter. Regularly remove and clean these filters to prevent dust buildup inside the case, which can hinder airflow and component cooling.
- **Interior Cleaning:** Periodically open the side panels and use compressed air to remove dust from internal components and fans. Ensure the system is powered off and unplugged before cleaning.
- **Tempered Glass Care:** Clean tempered glass panels with a soft, lint-free cloth and a mild glass cleaner. Avoid abrasive materials that could scratch the surface.

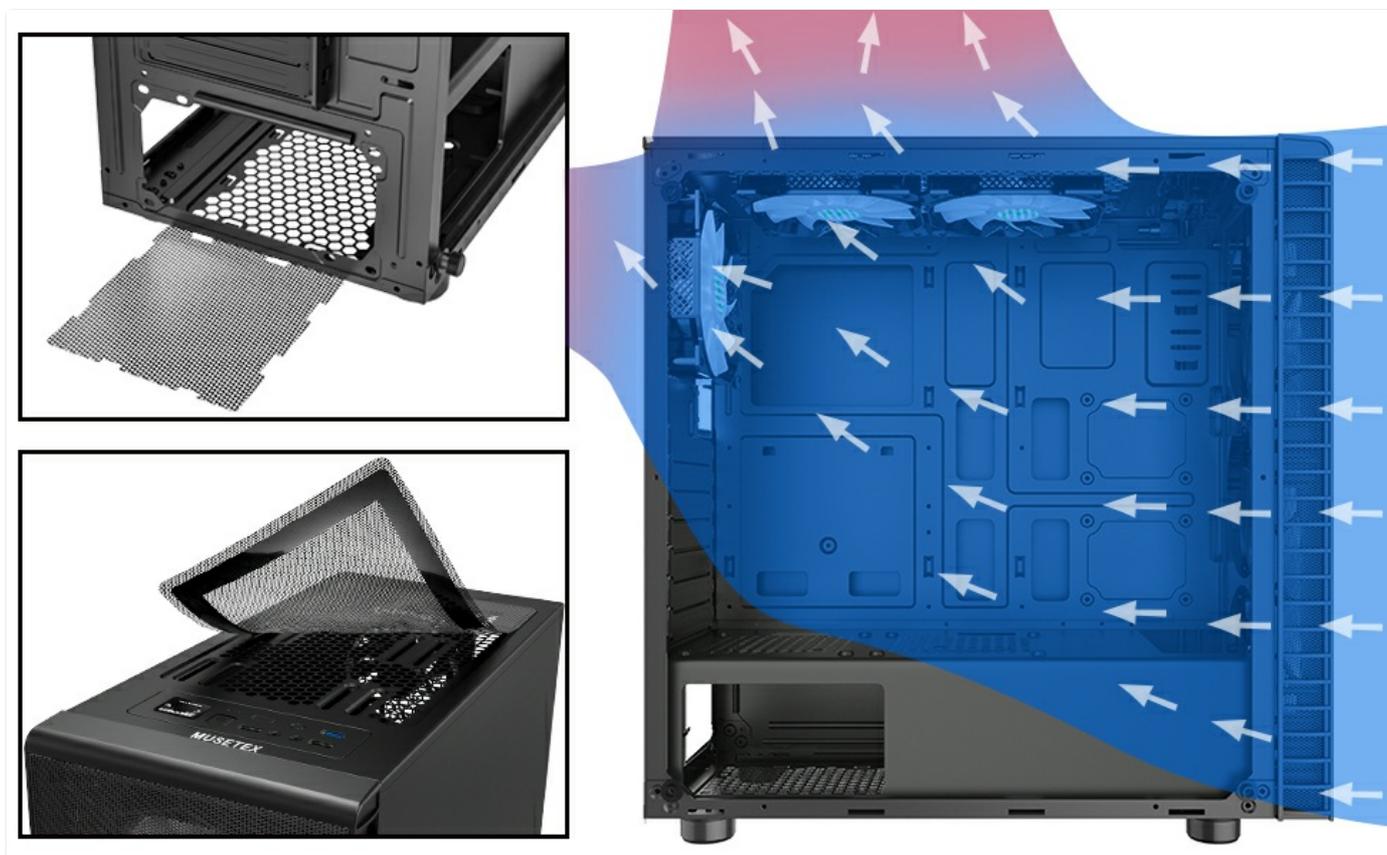


Figure 8: Illustration showing the removable dust filters at the top and bottom of the case, along with a diagram depicting the optimized airflow path from front intake to rear/top exhaust.

7. TROUBLESHOOTING

This section addresses common issues you might encounter.

Q: Fans are not lighting up or spinning.

A: Check all fan power connections to the ARGB controller and ensure the controller is receiving power from the PSU. If using motherboard control, verify the 5V 3-PIN ARGB cable is correctly connected and your motherboard's RGB software is configured.

Q: Front panel USB ports are not working.

A: Ensure the USB 3.0 and USB 2.0 cables from the front panel are securely connected to the correct headers on your motherboard.

Q: Audio jacks on the front panel are not working.

A: Verify that the HD Audio cable from the front panel is correctly connected to the audio header on your motherboard.

Q: System does not power on.

A: Check that the PSU is switched on and properly connected to the wall outlet. Ensure the power button cable from the front panel is correctly connected to the motherboard's power switch pins. Verify all internal power connections (24-pin ATX, CPU, GPU, etc.) are secure.

Q: ARGB lighting is not syncing with my motherboard.

A: Confirm that your motherboard has a 5V 3-PIN ARGB header and that the controller is connected to it. *This case is not compatible with 12V 4-PIN RGB headers for motherboard control.* If connected correctly, ensure your motherboard's RGB software is installed and updated.

8. SPECIFICATIONS

Feature	Detail
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Feature	Detail
Model Name	G05MN6-HW
Case Type	Mid Tower
Motherboard Compatibility	ATX, Micro ATX, ITX
Dimensions (LxWxH)	17.7 x 17.6 x 8.3 inches (449.58 x 447.04 x 210.82 mm)
Item Weight	16.02 pounds (7.27 kg)
Material	Acrylonitrile Butadiene Styrene (ABS), Metal, Tempered Glass
Pre-installed Fans	6 x 120mm ARGB Fans
Cooling Method	Air
Max GPU Length	380mm
Max CPU Cooler Height	160mm
Max PSU Length	245mm (with HDD cage removed)
Expansion Slots	7
Front I/O Ports	1 x USB 3.0, 2 x USB 2.0, 1 x HD Audio, LED Button, Power/Reset



Figure 9: Front and side view of the case with key dimensions: 210mm width and 448mm height.

9. WARRANTY & SUPPORT

MUSETEX products are designed and manufactured to the highest quality standards. For specific warranty information regarding your G05MN6-HW PC case, please refer to the warranty card included with your purchase or visit the official MUSETEX website. If you encounter any issues or have questions not covered in this manual, please contact MUSETEX customer support through their official website or the retailer where you purchased the product. Please have your model number (G05MN6-HW) and proof of purchase ready when contacting support.

Online Resources: For additional support, FAQs, and driver downloads (if applicable), please visit the MUSETEX official website: [MUSETEX Store on Amazon](#)

