

SAMA SV02

SAMA SV02 ATX Mid Tower PC Case User Manual

Model: SV02

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your SAMA SV02 ATX Mid Tower PC Case. Please read this manual thoroughly before beginning assembly to ensure proper setup and optimal performance of your computer system.

2. PRODUCT OVERVIEW

The SAMA SV02 is an ATX Mid Tower PC case designed for gaming and high-performance builds, featuring a panoramic tempered glass design and efficient cooling capabilities.

2.1 Key Features

- **270° Frameless Tempered Glass:** Offers an unobstructed view of internal components.
- **Back-Plug Motherboard Support:** Innovative design for simplified cable management and a cleaner aesthetic.
- **Advanced Cooling:** Supports up to 360mm liquid radiators and features a mesh side panel for enhanced airflow.
- **Pre-installed ARGB Fans:** Includes three 120mm ARGB fans (two side, one rear) for effective cooling and customizable lighting.
- **Modern I/O Panel:** Equipped with USB 3.0, Type-C, and audio ports for high-speed connectivity.
- **Versatile Storage:** Multiple slots for 2.5" SSDs and 3.5" HDDs.

2.2 Package Contents

Please verify that all components are present:

- SAMA SV02 ATX Mid Tower PC Case
- 3 x 120mm ARGB Fans (Pre-installed)

- ARGB Control Hub
- Accessory Box (screws, cable ties, standoffs)
- User Manual (this document)

2.3 Case Components Diagram

Refer to the following images for an overview of the case components and layout.

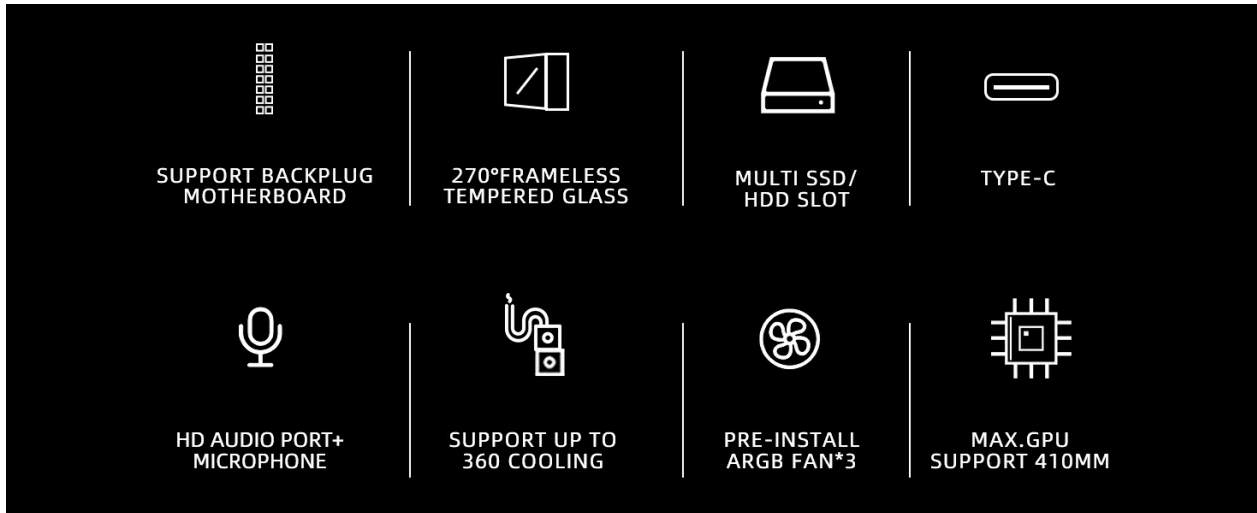


Figure 2.3.1: Overview of SAMA SV02 key features including backplug motherboard support, tempered glass, multi SSD/HDD slots, Type-C, HD audio, 360 cooling support, pre-installed ARGB fans, and 410mm GPU support.



Figure 2.3.2: Frontal view of the SAMA SV02 PC case, showcasing the internal layout with pre-installed ARGB fans and liquid cooling components.



Figure 2.3.3: Rear view of the SAMA SV02 PC case, showing the I/O shield cutout, PCI slots, and power supply mounting area.

3. SETUP AND INSTALLATION

Follow these steps to install your components into the SAMA SV02 PC case.

3.1 Preparing the Case

1. Carefully remove the tempered glass side panels. Locate the screws securing the panels, typically at the rear of the case, and remove them.
2. Place the case on a stable, flat surface.

3.2 Motherboard Installation

The SAMA SV02 supports ATX, Micro-ATX, and Mini-ATX motherboards, including back-plug designs for improved cable management.

SUPPORT BACKPLUG MOTHERBOARD

ATX/M-ATX Motherboard



MAX. CPU Height:
181MM



MAX. GPU Length:
410MM

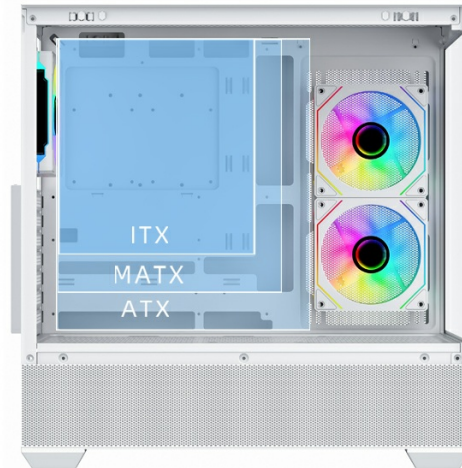


Figure 3.2.1: Diagram illustrating motherboard compatibility (ITX, MATX, ATX) and maximum component dimensions for CPU cooler height (181mm) and GPU length (410mm).


1. Install the I/O shield into the rear opening of the case (if not pre-attached to your motherboard).
2. Align your motherboard with the standoffs inside the case. Ensure the screw holes on the motherboard match the standoffs.
3. Secure the motherboard with the provided screws.

3.3 Storage Drive Installation

The case offers versatile storage options for both 2.5" SSDs and 3.5" HDDs.

MULTI HARD DISK SUPPORT, LARGE CAPACITY



 X2
2.5" SSD SLOT:
MOTHERBOARD*2

 X2
3.3.5" HDD SLOT:
MOTHERBOARD*2/BOTTOM*1
(TOGETHER WITH SSD)

Support Backplug Motherboard

New Design, new trend, upgrade
with cutout Installation Hole
On Back Of Motherboard,
Easy To Install

Figure 3.3.1: Diagram showing the locations for 2.5" SSDs (motherboard side) and 3.5" HDDs (bottom and motherboard side) within the SAMA SV02 case, highlighting backplug motherboard support.

1. **2.5" SSDs:** Mount up to two 2.5" SSDs on the designated brackets behind the motherboard tray. Secure with screws.
2. **3.5" HDDs:** Install 3.5" HDDs in the drive cage located at the bottom of the case or on the motherboard side, as indicated in the diagram. Secure with screws.

3.4 Power Supply Unit (PSU) Installation

1. Slide your PSU into the dedicated compartment at the bottom rear of the case.
2. Secure the PSU to the case with screws from the rear.

3.5 Graphics Card (GPU) and Expansion Card Installation

The case provides 7 PCI slots for expansion cards.

7PCI

Easily meets a wide range of user storage and expansion needs

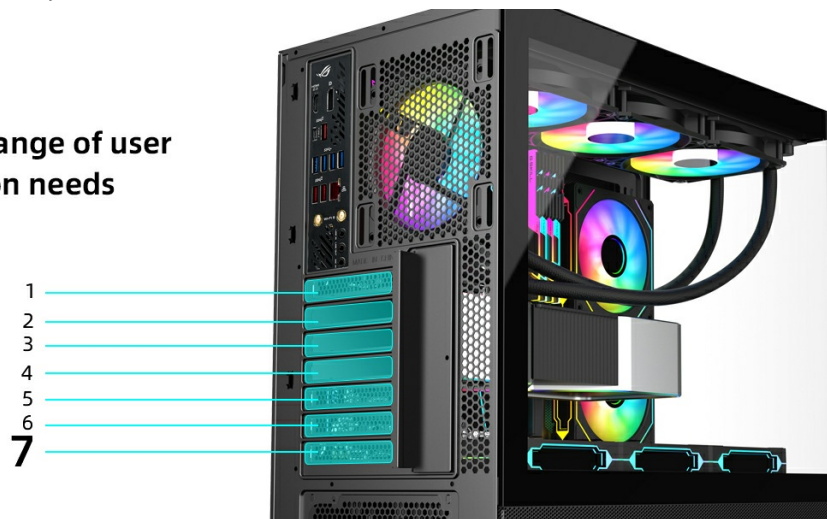


Figure 3.5.1: Illustration of the 7 PCI expansion slots available on the SAMA SV02 case, allowing for multiple expansion cards.

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

3.6 Cooling System Installation (Optional)

The SV02 supports various cooling configurations, including up to 360mm liquid coolers.

SUPPORT 360MM LIQUID COOLER

Stronger cooling system

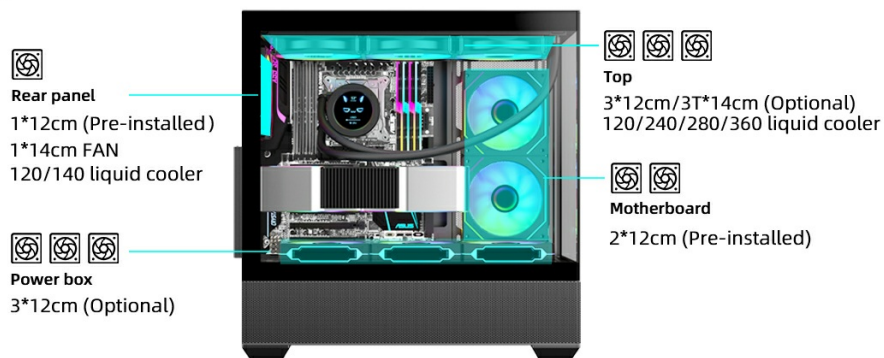


Figure 3.6.1: Diagram detailing fan and radiator support: 3x12cm/3x14cm (optional) or 120/240/280/360 liquid cooler at the top, 1x12cm (pre-installed) or 1x14cm fan/120/140 liquid cooler at the rear, and 2x12cm (pre-installed) at the motherboard side. Also shows optional 3x12cm fans in the power box area.

1. **Liquid Cooler:** If installing a liquid cooler, mount the radiator and fans to the designated locations (e.g., top, side, or rear) as per the cooler's instructions and the case's support.
2. **Additional Fans:** Install any additional case fans in available mounting points (e.g., top, bottom) to optimize airflow.

3.7 Cable Management and Front Panel Connections

Utilize the back-plug motherboard support and cable routing channels for a clean build.

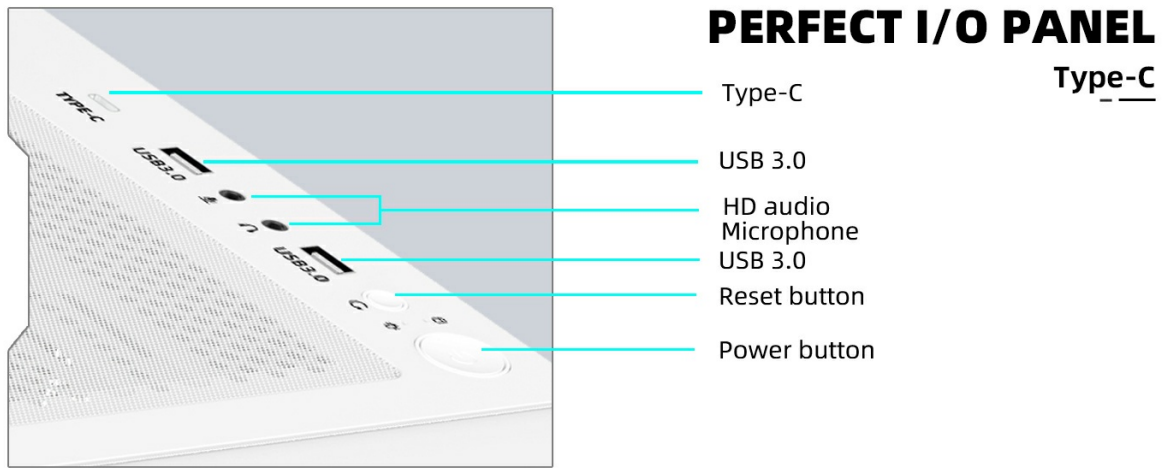


Figure 3.7.1: Diagram of the front I/O panel, indicating the locations of the Type-C port, USB 3.0 ports, HD audio/microphone jacks, reset button, and power button.

Support both manual control and motherboard sync WIRING DIAGRAM OF ARGB HUB

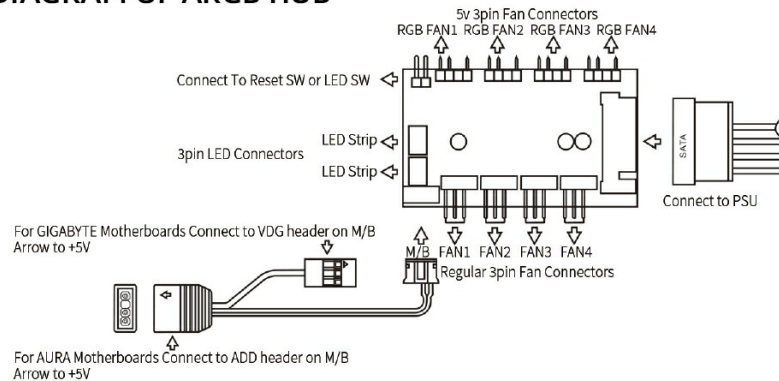


Figure 3.7.2: Wiring diagram for the integrated ARGB hub, showing connections for 5V 3-pin ARGB fans, LED strips, SATA power, and motherboard sync headers (GIGABYTE VDG, ASUS AURA ADD).

1. Connect all necessary power cables from the PSU to your motherboard, GPU, and storage drives.
2. Connect the front panel cables (USB 3.0, Type-C, HD Audio, Power Switch, Reset Switch, Power LED, HDD LED) to their respective headers on your motherboard.
3. Connect the pre-installed ARGB fans to the integrated ARGB hub. Ensure the hub is connected to a SATA power connector from your PSU.
4. For motherboard ARGB sync, connect the ARGB hub's 3-pin ARGB cable to the 5V ARGB header on your motherboard (e.g., GIGABYTE VDG or ASUS AURA ADD header).
5. Route cables neatly behind the motherboard tray using the provided cable ties.

3.8 Final Assembly

1. Once all components are installed and cables are managed, reattach the tempered glass side panels.
2. Ensure all screws are tightened securely.

4. OPERATING INSTRUCTIONS

4.1 Powering On

Press the power button on the front I/O panel to turn on your computer.

4.2 ARGB Lighting Control

The pre-installed ARGB fans and any connected ARGB devices can be controlled in two ways:

- **Manual Control:** Use the dedicated LED button on the front I/O panel to cycle through various lighting effects and colors.
- **Motherboard Software Sync:** If the ARGB hub is connected to your motherboard's 5V ARGB header, you can control the lighting effects using your motherboard's RGB software (e.g., ASUS Aura Sync, MSI Mystic Light Sync, ASRock Polychrome Sync).

4.3 Using Front I/O Ports

The front I/O panel provides convenient access to:

- **USB 3.0 Ports:** For high-speed data transfer with compatible devices.
- **Type-C Port:** For modern USB-C devices.
- **HD Audio Jacks:** For connecting headphones and microphones.

5. MAINTENANCE

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

5.1 Dust Filter Cleaning

The SAMA SV02 case features dust filters to prevent dust buildup. Periodically remove and clean these filters using compressed air or a soft brush. Ensure the filters are completely dry before reattaching.

5.2 Tempered Glass Cleaning

Clean the tempered glass panels with a microfiber cloth and a non-abrasive glass cleaner. Avoid harsh chemicals that could damage the glass or coatings.

5.3 Fan Cleaning

Over time, dust can accumulate on fan blades, reducing cooling efficiency. Use compressed air to gently clean the fan blades of the pre-installed ARGB fans and any other installed fans.

6. TROUBLESHOOTING

If you encounter issues with your SAMA SV02 PC case, refer to the following common troubleshooting steps.

6.1 Fans Not Spinning or ARGB Not Lighting Up

- **Check Power:** Ensure the ARGB hub is correctly connected to a SATA power connector from your PSU.
- **Check Connections:** Verify that all fans are securely connected to the ARGB hub.
- **Motherboard Sync:** If using motherboard software for ARGB control, ensure the ARGB hub's 3-pin ARGB cable is properly connected to the motherboard's 5V ARGB header. Also, check your motherboard's software settings.
- **Manual Control:** Try pressing the LED button on the front I/O panel to see if the lights respond.

6.2 Front I/O Ports Not Functioning

- **Check Motherboard Connections:** Ensure all front panel cables (USB 3.0, Type-C, HD Audio) are correctly and securely connected to their respective headers on your motherboard. Refer to your motherboard manual for correct header locations.

6.3 General System Instability or Overheating

- **Airflow:** Ensure proper airflow within the case. Check that all fans are spinning correctly and are oriented to create an effective airflow path (intake and exhaust).
- **Dust:** Clean dust filters and fans regularly to prevent heat buildup.
- **Component Clearance:** Verify that no cables or components are obstructing fan blades or airflow pathways.

7. SPECIFICATIONS

Below are the technical specifications for the SAMA SV02 ATX Mid Tower PC Case.

Feature	Specification
Model Name	SV-02
Case Type	Mid Tower
Motherboard Compatibility	ATX, Micro-ATX, Mini-ATX (supports back-plug motherboards)
Material	Metal, Plastic, Tempered Glass
Pre-installed Fans	3 x 120mm ARGB Fans (2 Side, 1 Rear)
Liquid Cooling Support	Up to 360mm radiator
Max CPU Cooler Height	181mm
Max GPU Length	410mm
PCI Slots	7
Drive Bays	2 x 2.5" SSD, 2 x 3.5" HDD (shared with 2.5" SSD)
Front I/O Ports	1 x USB 3.0, 1 x Type-C, HD Audio (Headphone/Microphone), Power Button, Reset Button, LED Button
Dimensions (L x W x H)	Approximately 50.16 x 29.84 x 50.16 cm
Weight	Approximately 7.98 kg

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official SAMA website or contact your local retailer. Keep your proof of purchase for warranty claims.

SAMA Official Store: [Visit SAMA Store](#)

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