

Manuals.plus /

- › SAMA /
- › SAMA 2851A Gaming ATX PC Case Instruction Manual

## SAMA 2851A

# SAMA 2851A Gaming ATX PC Case Instruction Manual

Model: 2851A

## 1. PRODUCT OVERVIEW

The SAMA 2851A is a mid-tower ATX PC case designed for gaming systems, featuring a panoramic view with curved tempered glass panels. It supports a new BTF back-plug motherboard design and comes with pre-installed ARGB PWM fans for efficient cooling.



Image 1.1: SAMA 2851A ATX Mid Tower Case overview.



Image 1.2: A complete view of the SAMA 2851A PC Case with internal components and lighting.

## 2. PACKAGE CONTENTS

---

Please verify that all components are present before beginning installation:

- SAMA 2851A PC Case
- 4 x Pre-installed ARGB PWM Fans (3 reverse, 1 positive)
- Accessory Box (screws, standoffs, cable ties)
- User Manual

**Note: Ensure the accessory box contains all necessary motherboard standoffs (9 for ATX motherboards) and mounting hardware. If any parts are missing, contact SAMA support.**

## 3. SETUP AND INSTALLATION

---

### 3.1 Preparing the Case

1. Carefully remove the case from its packaging.
2. Place the case on a stable, flat surface.
3. Remove the tempered glass side panels by unscrewing the thumb screws (if present) or releasing the latch mechanisms. Handle glass panels with care to prevent damage.

### 3.2 Motherboard Installation

The SAMA 2851A supports ATX, Micro-ATX, and Mini-ITX motherboards, including BTF back-plug designs.

1. Install the I/O shield into the rear opening of the case.
2. Align your motherboard with the pre-installed standoffs. For ATX motherboards, ensure all 9 standoffs are present and correctly aligned. If additional standoffs are needed, install them from the accessory box.
3. Secure the motherboard using the provided screws. Do not overtighten.

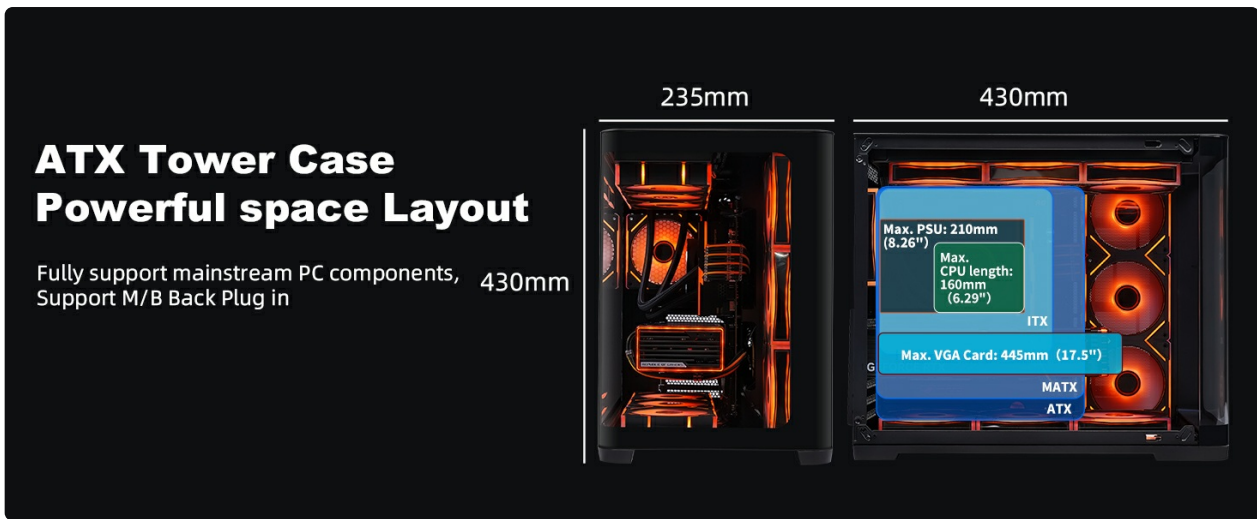


Image 3.1: Illustration of motherboard and component clearance within the SAMA 2851A case.

### 3.3 Storage Device Installation

The case provides ample space for storage:

- **3.5" HDD:** 2 locations (Motherboard back HDD cage location x1, Bottom panel fan position x1).
- **2.5" SSD:** 3 locations (Motherboard back HDD cage location x2, Bottom panel fan position x1).

1. Locate the desired mounting points for your HDDs and SSDs.
2. Secure the drives using the appropriate screws from the accessory box.

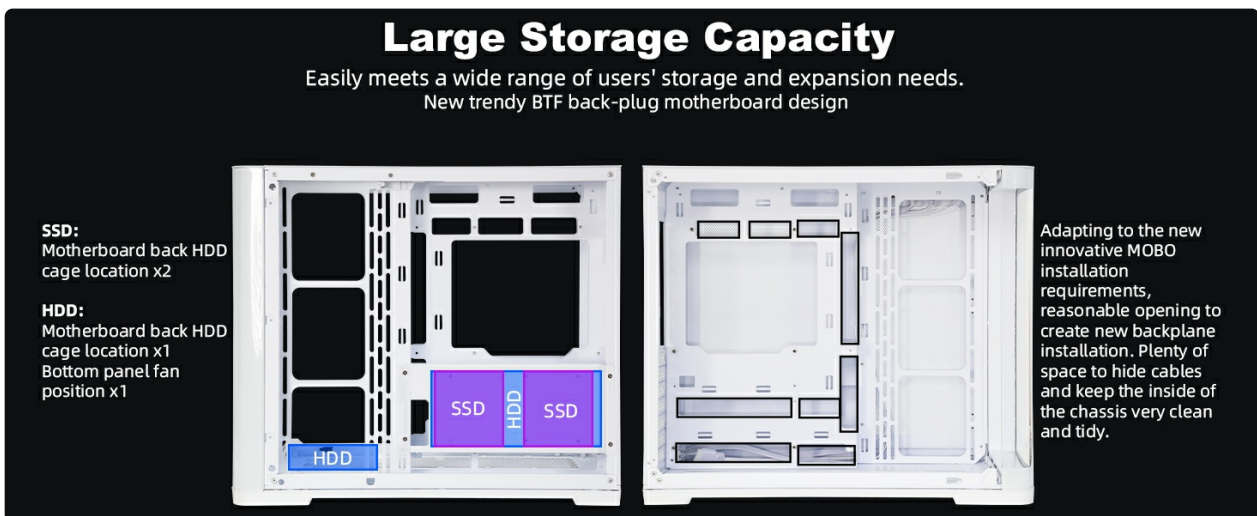


Image 3.2: Diagram showing available HDD and SSD mounting locations.

### 3.4 Cooling System Setup

The SAMA 2851A comes with 4 pre-installed 120mm ARGB PWM fans (3 reverse on the motherboard side, 1 positive on the rear panel). It supports extensive cooling configurations.

- **Top:** Supports 3x120mm or 2x140mm fans, or 240/280/360mm liquid cooler.
- **Rear:** 1x120mm fan (pre-installed).
- **Motherboard Side:** Supports 3x120mm or 2x140mm fans, or 240/280mm liquid cooler (3x120mm ARGB fans pre-installed).
- **Bottom:** Supports 3x120mm fans, or 240/360mm liquid cooler.

1. Ensure all pre-installed fans are securely mounted and connected to the ARGB hub controller.

2. If installing additional fans or liquid cooling radiators, mount them in the desired positions using appropriate screws.
3. Connect additional fans to the ARGB hub controller or directly to your motherboard fan headers.



Image 3.3: Detailed diagram of fan and radiator mounting positions.



Image 3.4: Illustration of multiple airflow channels for superior cooling.

### 3.5 Front I/O Panel Connections

The front I/O panel provides convenient access to essential ports and controls.

1. Connect the USB 3.0 cables to your motherboard's USB 3.0 headers.
2. Connect the Type-C cable to your motherboard's Type-C header.
3. Connect the HD Audio cable to your motherboard's audio header.
4. Connect the Power, Reset, and LED control cables to the corresponding pins on your motherboard. Refer to your motherboard manual for pin assignments.

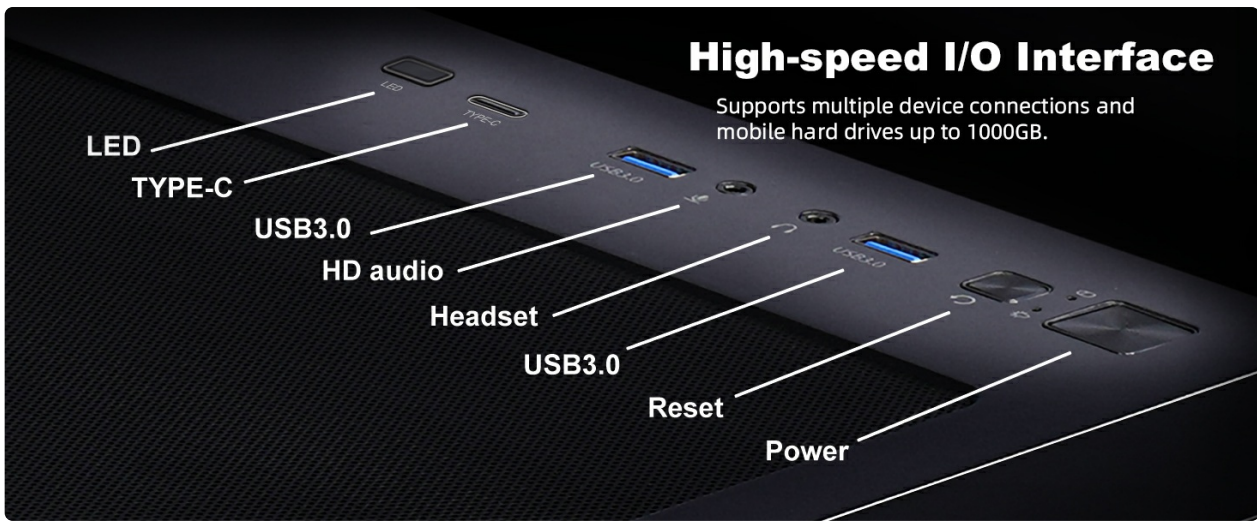


Image 3.5: Diagram of the front I/O panel connections including USB 3.0, Type-C, HD Audio, Headset, Reset, and Power buttons.

### 3.6 ARGB Hub Controller Connection

The pre-installed ARGB PWM fans are connected to an ARGB hub controller. This controller manages fan speed (PWM) and lighting (ARGB).

1. Connect the ARGB hub controller to your power supply via a SATA power connector.
2. For motherboard control of ARGB lighting, connect the 3-pin LED connector from the hub to your motherboard's 5V ARGB header (e.g., GIGABYTE VDG header or AURA motherboard AIO header).
3. The hub also supports connection to the Reset SW or LED SW for manual control if motherboard synchronization is not desired or available.

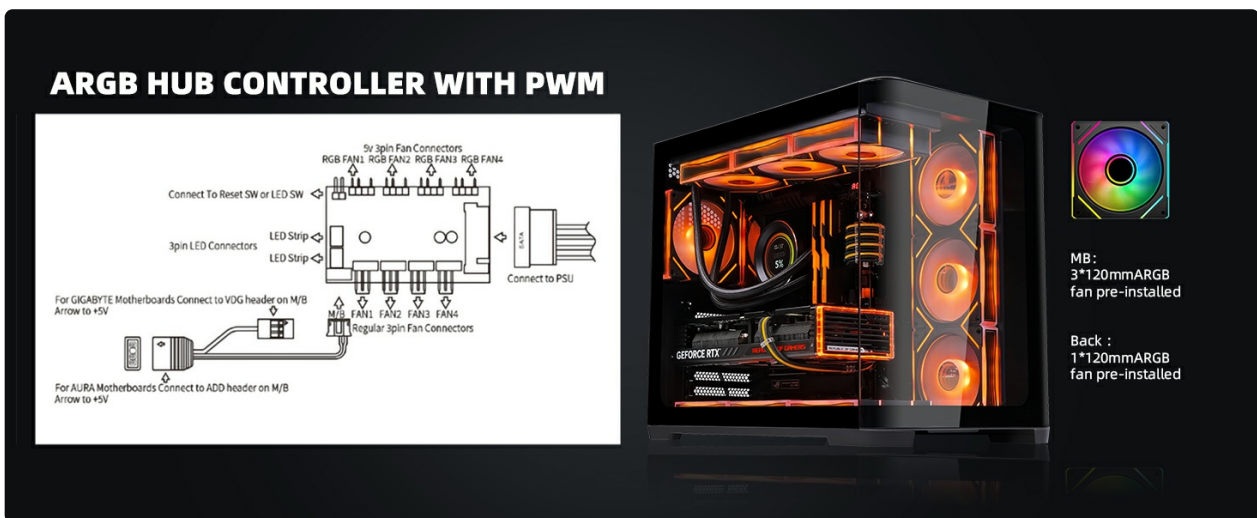


Image 3.6: Wiring diagram for the ARGB Hub Controller, showing connections for fans, LED strips, power, and motherboard ARGB headers.

### 3.7 Cable Management

Utilize the dual-cavity design and cable routing cutouts to manage cables effectively. This improves airflow and maintains a clean internal appearance.

## 4. OPERATING INSTRUCTIONS

### 4.1 Powering On/Off

Press the Power button on the front I/O panel to turn your system on or off. A short press typically initiates power-on, while a longer press (usually 4-5 seconds) can force a shutdown.

## 4.2 ARGB Lighting Control

The pre-installed ARGB fans offer customizable lighting. Control methods depend on your setup:

- **Motherboard Software:** If the ARGB hub is connected to a compatible 5V ARGB header on your motherboard, use your motherboard's RGB software (e.g., ASUS Aura Sync, GIGABYTE RGB Fusion, MSI Mystic Light) to synchronize and customize lighting effects.
- **Case LED Button:** If connected to the case's LED control button (often shared with Reset button functionality), short presses may cycle through pre-set lighting modes.

## 4.3 Fan Speed Control

The pre-installed fans are PWM (Pulse Width Modulation) enabled, allowing for dynamic speed control.

- **Motherboard BIOS/Software:** Adjust fan curves and speeds through your motherboard's BIOS settings or dedicated fan control software.
- The PWM function allows fans to adjust speed based on system temperature, optimizing cooling performance and noise levels.

# 5. MAINTENANCE

## 5.1 Dust Filter Cleaning

The SAMA 2851A features high-quality dust filters to prevent dust accumulation. Regular cleaning is recommended to maintain optimal airflow and cooling performance.

1. Locate the magnetic dust filters (typically on the top and bottom of the case).
2. Gently remove the filters.
3. Clean the filters using compressed air, a soft brush, or by rinsing with water (ensure they are completely dry before re-installing).
4. Re-attach the magnetic dust filters.

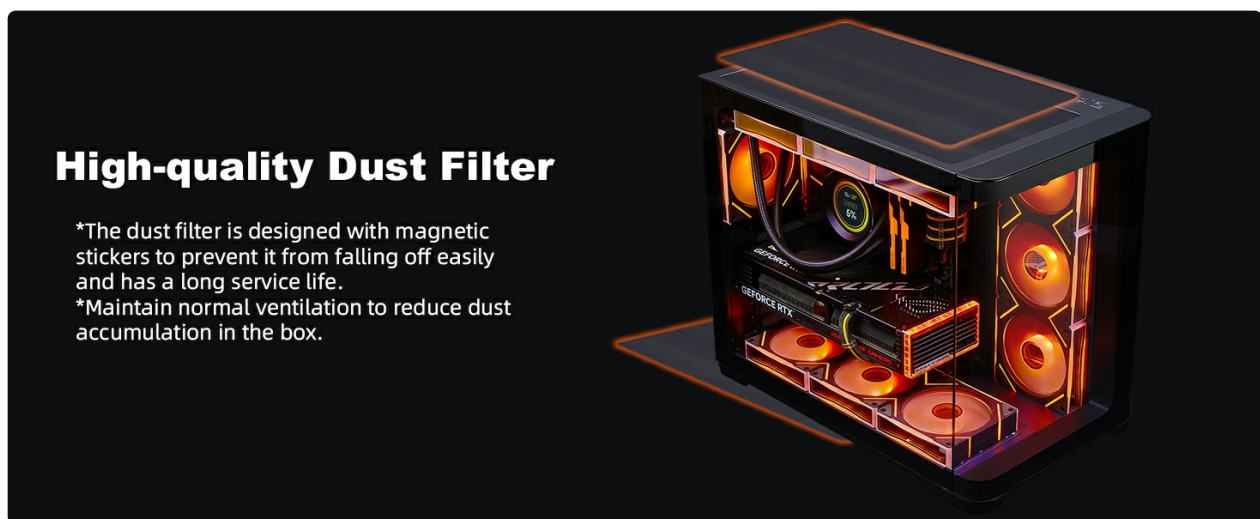


Image 5.1: Illustration of the high-quality dust filter placement and function.

## 5.2 Case Cleaning

To clean the exterior and interior of the case:

- Use a soft, damp cloth to wipe down exterior surfaces, including the tempered glass panels. Avoid abrasive cleaners.
- For interior cleaning, use compressed air to remove dust from components and hard-to-reach areas. Ensure the system is powered off and unplugged before cleaning.

## 6. TROUBLESHOOTING

---

- **Missing Motherboard Standoffs:** If your ATX motherboard requires 9 standoffs and only 6 are pre-installed, check the accessory box for additional standoffs. Install all necessary standoffs to prevent motherboard warping and damage.
- **ARGB/Fan Hub Issues:** If fans or RGB lighting are not functioning correctly, verify all connections to the ARGB hub controller, including SATA power and motherboard ARGB headers. Ensure the hub is securely mounted and not interfering with other components.
- **Cable Management Challenges:** Some cables, particularly from the fan hub, may be short or difficult to route. Plan your cable paths carefully before securing components. Consider using additional cable ties for a cleaner setup.
- **I/O Panel Not Functioning:** Double-check all front I/O panel connections to the motherboard. Ensure they are correctly seated and aligned with the motherboard's pin assignments.

## 7. SPECIFICATIONS

---

Feature	Specification
Brand	SAMA
Model Name	SAMA Case Neview 2851A Black
Case Type	Mid Tower
Motherboard Compatibility	ATX, Micro-ATX, Mini-ITX (supports BTF back-plug)
Material	Tempered Glass
Product Dimensions (D x W x H)	10"D x 10"W x 10"H (approx. 254mm x 254mm x 254mm)
Max. VGA Card Length	445 mm (17.5")
Max. CPU Cooler Height	160 mm (6.29")
Max. PSU Length	210 mm (8.26")
Internal Drive Bays	2 x 3.5" HDD, 3 x 2.5" SSD
Expansion Slots	7
Pre-installed Fans	4 x 120mm ARGB PWM Fans (3 reverse, 1 positive)
Fan Support (Optional)	Top: 3x120mm/2x140mm, Rear: 1x120mm, M/B Side: 3x120mm/2x140mm, Bottom: 3x120mm
Radiator Support	Top: 240/280/360mm, M/B Side: 240/280mm, Bottom: 240/360mm
Front I/O Ports	2 x USB 3.0, 1 x Type-C, HD Audio, Headset, Power, Reset, LED Control

## 8. WARRANTY INFORMATION

The SAMA 2851A PC Case comes with a **one-year manufacturer's warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. The warranty does not cover damage caused by misuse, accident, modification, or unauthorized repair.

## 9. SUPPORT

For technical assistance, troubleshooting, or warranty inquiries, please contact SAMA customer support through their official website or the retailer where the product was purchased. Provide your product model (2851A) and proof of purchase when seeking support.