

## Montech HS01PB

# MONTECH HS01 PRO ATX Mid-Tower PC Case

## USER MANUAL

### 1. Introduction

The MONTECH HS01 PRO is an advanced ATX Mid-Tower PC case designed for high-performance gaming systems. It features a unique reversible layout, excellent airflow capabilities, and user-friendly toolless panels for easy assembly and maintenance. This manual provides detailed instructions for setting up, operating, and maintaining your HS01 PRO PC case.

#### Key Features:

- **Reversible Design:** A top-down reversible layout allows the entire setup to be positioned on either the left or right side.
- **Vertical Ventilation:** Bottom air intake and top exhaust create a natural chimney effect for efficient heat dissipation.
- **Durability with One-Piece Bezel:** A seamless front bezel enhances structural strength and stability.
- **Vertical GPU Ready:** Rotatable PCIe slots enable an instant vertical GPU setup without requiring an extra holder or stand.
- **Sink-In Design:** A recessed bottom fan and motherboard layout maintain a clean, unobstructed side view.
- **Pre-Installed Fans:** Comes with 5 pre-installed GF120 V2 ARGB fans, fully syncable with motherboard lighting control.

### 2. Product Overview

Familiarize yourself with the components and layout of your MONTECH HS01 PRO PC case.



Figure 2.1: Front view of the MONTECH HS01 PRO PC Case, showcasing the mesh front panel and pre-installed ARGB fans.



## Craft Your Build, Showcase Your Style

The reversible design allows the entire setup to be positioned with the side glass panel on either the left or right, ensuring your build is always on display.



Figure 2.2: Internal view of the MONTECH HS01 PRO PC Case, highlighting the spacious interior and fan placement.

### I/O Ports:

# ARGB and I/O

Customize ARGB lighting with 29 modes. I/O supports both USB types, audio and mic for seamless connectivity.

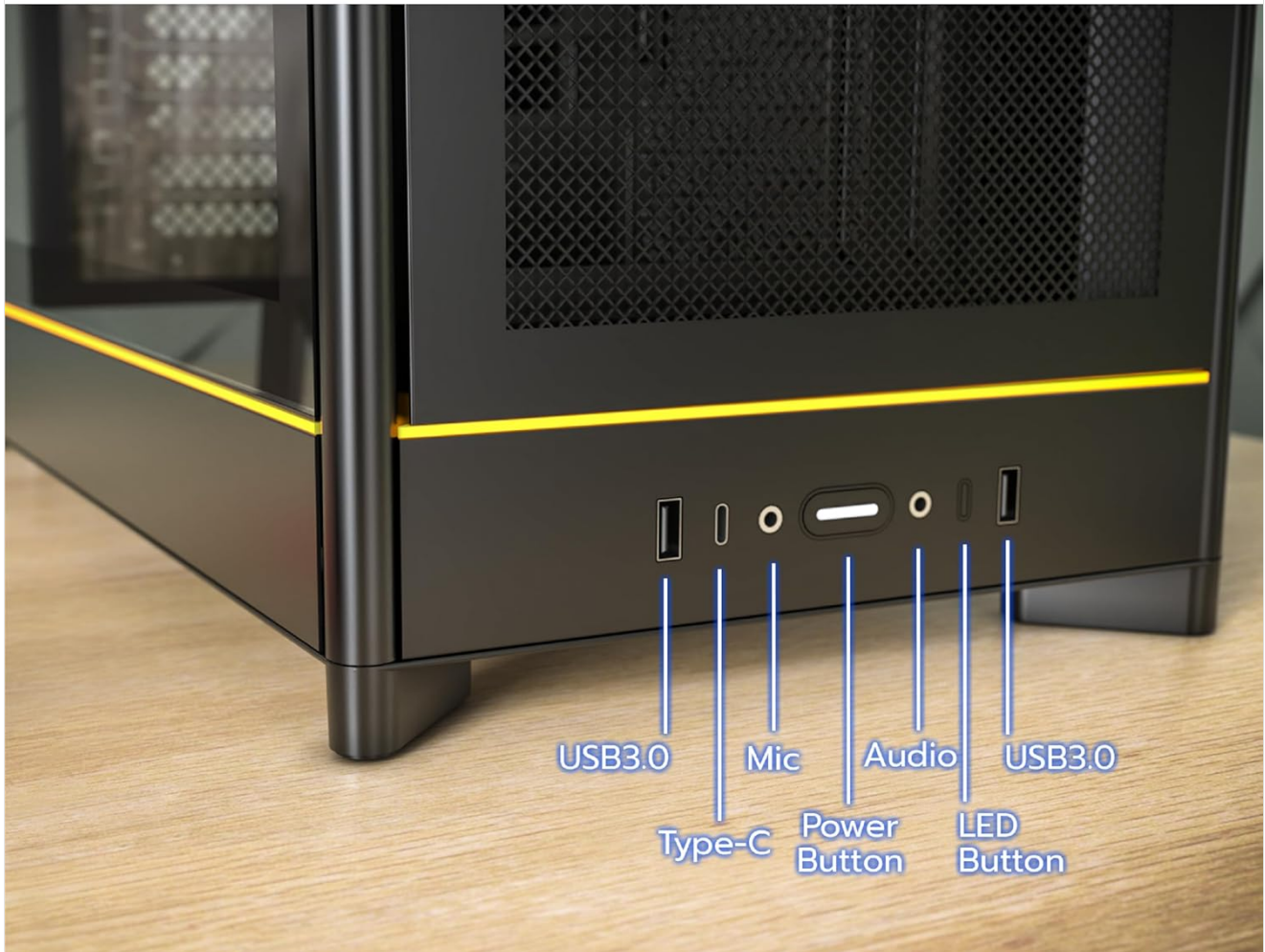


Figure 2.3: Front I/O panel showing USB 3.0 ports, Type-C port, microphone jack, audio jack, power button, and LED button.

- **USB 3.0 Ports:** Two ports for high-speed data transfer.
- **USB Type-C Port:** One reversible Type-C connector.
- **Audio Jacks:** Separate microphone and headphone jacks.
- **Power Button:** To power on/off the system.
- **LED Button:** To cycle through ARGB lighting modes.

## 3. Setup and Installation

Follow these steps for proper installation of your PC components into the HS01 PRO case.

### 3.1 Reversible Layout Configuration

The HS01 PRO features a reversible design, allowing you to orient the case to display your build from either the left or right side. This involves re-orienting the internal components and panels.



## Optimized Fans Support

Repositioned rear fans and radiator support outward, freeing up interior space for more cooling potential without compromising the capacity.



Figure 3.1: The HS01 PRO case demonstrating its reversible layout capability, allowing for left or right side display.

Refer to the detailed instructions in the included physical manual for specific steps on reversing the layout, as it involves disassembling and reassembling certain internal structures.

### 3.2 Motherboard Installation

The HS01 PRO supports Mini-ITX, Micro-ATX, and Standard ATX motherboards, including those with back-connect designs for cleaner cable management.

# Standard ATX Compatibility

Supports Mini-ITX up to ATX motherboards with full back-connection support for clean cable management.

- ◇ Mini-ITX
- ◈ Micro-ATX
- ◆ Standard ATX



Figure 3.2: Diagram illustrating motherboard compatibility for Mini-ITX, Micro-ATX, and Standard ATX sizes within the case.

1. Remove the side panel by gently pulling it off (toolless design).
2. Install the necessary motherboard standoffs for your motherboard size.
3. Carefully place your motherboard onto the standoffs and secure it with screws.
4. Utilize the ample cable routing options for a clean build, especially for back-connect motherboards.

## Next-Level Airflow Efficiency

HS01 offers 10% better cooling than traditional layouts, with efficiency comparable to open-frame designs.

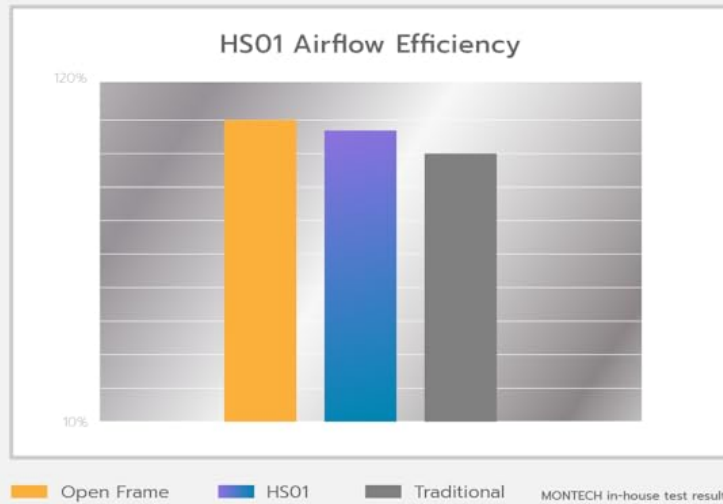


Figure 3.3: Internal view showing highlighted areas for back-connect motherboard support and cable management.

### 3.3 GPU Installation

The case supports modern GPU sizes and offers rotatable PCIe slots for vertical GPU mounting without additional accessories.

#### Chimney-Style Cooling

The natural chimney effect drives efficient airflow from bottom intake to top exhaust. Dual rear fans further enhance heat dissipation, ensuring consistent and reliable cooling performance.

\* The top radiator supports a maximum width of 123mm.



Vertical  
Ventilation



Figure 3.4: Illustration of the spacious interior supporting GPUs up to 420mm in length.

# Vertical GPU

Rotatable PCIe slots allow for easy GPU positioning in either horizontal or vertical orientation, without the need for external mounts.



Figure 3.5: Comparison showing horizontal and vertical GPU mounting options using the rotatable PCIe slots.

1. For horizontal mounting, remove the necessary PCIe slot covers.
2. Insert your GPU into the PCIe slot on the motherboard and secure it with screws.
3. For vertical mounting, rotate the PCIe slot bracket and install your GPU using a compatible riser cable (sold separately).

## 3.4 Storage Installation

The case provides ample storage capacity for both HDDs and SSDs.



# Ample Storage Capacity

Supports multiple storage drives to ensure flexible and expandable storage options for various build needs.

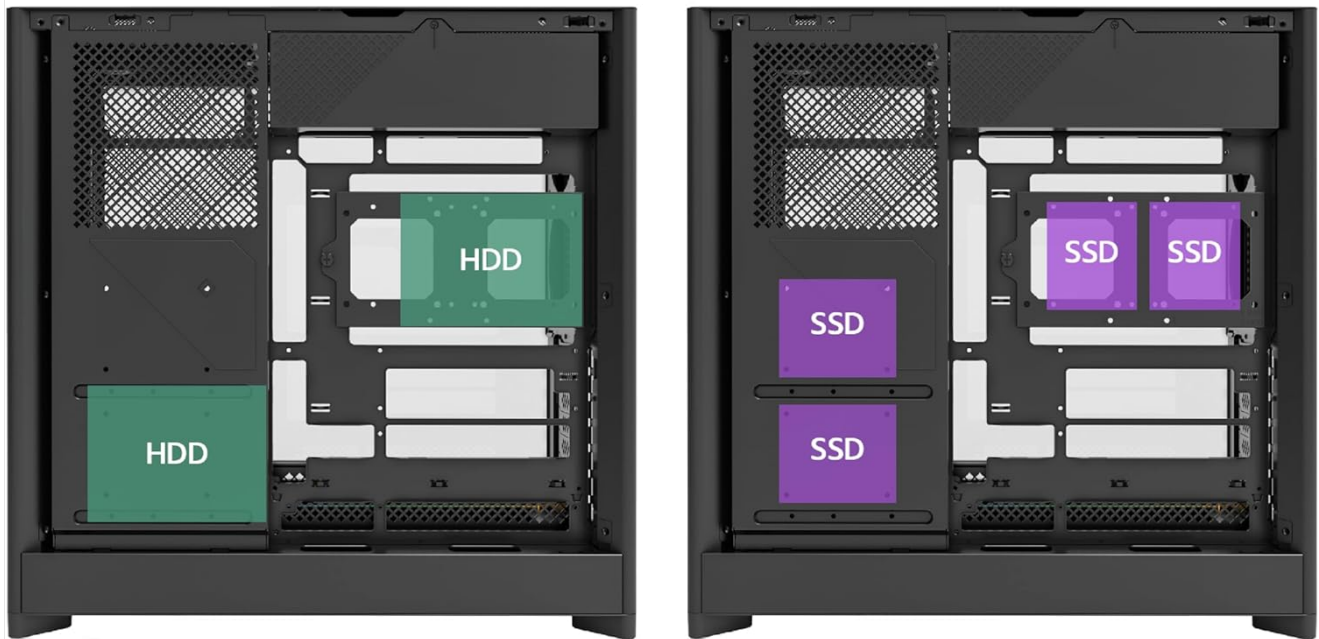


Figure 3.6: Diagrams showing locations for HDD and SSD installation within the case.

- Locate the dedicated mounting points for 3.5" HDDs and 2.5" SSDs.
- Secure your storage drives using the provided screws.

## 3.5 Fan and Radiator Support

The HS01 PRO comes with 5 pre-installed ARGB fans and offers flexible cooling compatibility.

# Top-Down Strength

Sturdy corner pillars ensure balanced weight distribution and structural integrity.



Figure 3.7: Diagram showing fan and radiator support locations and sizes (Top, Rear, Front, Bottom).

- **Top:** Supports 120/240/360mm radiators or 3x 120mm fans.
- **Rear:** Supports 2x 120mm fans.
- **Front:** Supports 3x 120mm or 2x 140mm fans.
- **Bottom:** Supports 120/240mm radiators or 3x 120mm fans.

The exterior-mounted rear fan design maximizes space for better cooling flexibility.

# Optimized Fans Support

Repositioning to free up interior space for more cooling potential without compromising the capacity.



Figure 3.8: Image showing the repositioned rear fans for optimized cooling potential.

## 4. Operating Instructions

Once all components are installed and connected, you can begin operating your system.

### 4.1 Powering On/Off

Press the power button located on the front I/O panel to turn your system on or off. A short press typically powers on, while a long press (4-5 seconds) will force a shutdown.

### 4.2 ARGB Lighting Control

The pre-installed ARGB fans can be customized with 29 lighting modes. Use the LED button on the front I/O panel to cycle through these modes.

For advanced customization and synchronization with other ARGB components, connect the fan ARGB cables to your motherboard's ARGB header and use the motherboard manufacturer's software (e.g., ASUS Aura Sync, MSI Mystic Light Sync, Gigabyte RGB Fusion, ASRock Polychrome Sync).



## 5. Maintenance

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

### 5.1 Cleaning the Case

- **Exterior:** Use a soft, damp cloth to wipe down the exterior surfaces. Avoid abrasive cleaners.
- **Dust Filters:** The HS01 PRO features removable dust filters on the mesh panels. Regularly remove and clean these filters with water and mild soap, or a vacuum cleaner, to maintain optimal airflow. Ensure they are completely dry before re-installing.
- **Interior:** Use compressed air to blow out dust from inside the case, especially from fans and heatsinks. Perform this outdoors or in a well-ventilated area.

### 5.2 Airflow Optimization

The HS01 PRO is designed for high-airflow with its chimney-style cooling and vertical ventilation.

## Chimney-Style Cooling

The natural chimney effect pushes airflow upward, while dual rear fans boost heat dissipation for steady cooling.



Vertical  
Ventilation



Figure 5.1: Illustration of the chimney-style cooling, showing airflow from bottom intake to top exhaust.



- Ensure all fans are spinning correctly and are free from obstructions.
- Maintain good cable management to prevent impeding airflow within the case.
- Regularly check and clean dust filters to prevent airflow restriction.

## 6. Troubleshooting

This section addresses common issues you might encounter with your PC case.

### 6.1 Fans Not Spinning / ARGB Not Lighting Up

- **Check Connections:** Ensure all fan power cables (PWM) and ARGB cables are securely connected to the motherboard or a fan controller.
- **Motherboard Software:** If using motherboard software for ARGB control, ensure the software is installed and configured correctly.
- **LED Button:** Try pressing the LED button on the front I/O panel to cycle through modes.
- **Power Supply:** Verify that your power supply unit (PSU) is providing adequate power to all components.

### 6.2 System Not Powering On

- **Power Button Connection:** Ensure the front panel power switch cable is correctly connected to the motherboard's front panel header.
- **PSU Switch:** Verify the power switch on the back of your PSU is in the "ON" position.
- **Power Cable:** Check that the power cable is securely plugged into both the PSU and the wall outlet.
- **Internal Connections:** Double-check all internal power connections (24-pin ATX, CPU power, GPU power) to the motherboard and components.

### 6.3 Poor Airflow / High Temperatures

- **Dust Filters:** Clean all dust filters regularly.
- **Fan Orientation:** Ensure fans are oriented correctly for optimal airflow (intake at bottom/front, exhaust at top/rear).
- **Cable Management:** Improve internal cable management to reduce airflow obstruction.
- **Component Clearance:** Ensure there is adequate space around components, especially the GPU and CPU cooler, for proper air circulation.

## 7. Specifications

Detailed technical specifications for the MONTECH HS01 PRO PC Case.

Feature	Specification
Brand	Montech
Model Name	HS01 PRO Black
Item Model Number	HS01PB

Feature	Specification
Case Type	Mid Tower
Motherboard Compatibility	ATX, Micro-ATX, Mini-ITX
Color	Black
Material	Metal
Product Dimensions (LxWxH)	32 x 54.9 x 57.4 inches (81.28 x 139.45 x 145.8 cm)
Item Weight	23.5 pounds (10.66 kg)
Number of USB 3.0 Ports	2
USB Type-C Port	1 (on front I/O)
Audio Jacks	Microphone, Headphone (on front I/O)
Cooling Method	Air
Pre-installed Fans	5x ARGB PWM Fans (GF120 V2)
Power Supply Mounting Type	Bottom Mount
Country of Origin	China

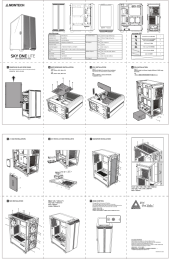
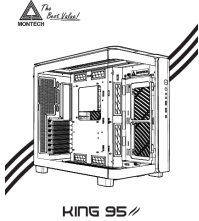
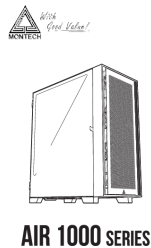
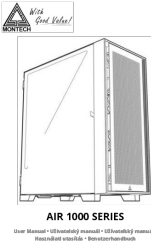

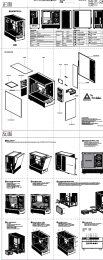
## 8. Warranty and Support

MONTECH products are manufactured to high quality standards. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official MONTECH website.

### Customer Support:

If you encounter any issues or have questions regarding your MONTECH HS01 PRO PC case, please contact MONTECH customer support through their official website or the contact information provided in your product packaging.

For the latest drivers, software, and product information, please visit the official MONTECH website:  
[www.montechpc.com](http://www.montechpc.com)

	<p><a href="#">Montech Sky One Lite ATX Case Installation Guide</a></p> <p>A comprehensive guide to installing components in the Montech Sky One Lite ATX computer case, covering motherboard, GPU, PSU, SSD, HDD, and radiator installations, along with fan and ARGB control.</p>
	<p><a href="#">Montech KING 95 PC Case User Manual and Specifications</a></p> <p>Detailed specifications, component breakdown, and installation guides for the Montech KING 95 and KING 95 PRO PC cases. Learn about fan and radiator support, drive bay configurations, I/O interfaces, and cable management.</p>
	<p><a href="#">Montech AIR 1000 Series PC Case: Specifications and Installation Guide</a></p> <p>Comprehensive specifications, features, and installation guidance for the Montech AIR 1000 Series PC case, detailing component compatibility, cooling support, and accessory contents.</p>
	<p><a href="#">Montech AIR 1000 Series PC Case User Manual</a></p> <p>User manual for the Montech AIR 1000 Series PC case, covering specifications, installation, compatibility, and ARGB controller features. Includes content in English, Czech, Slovak, Hungarian, and German.</p>
	<p><a href="#">Montech SKY TWO PC Case User Manual</a></p> <p>Comprehensive user manual for the Montech SKY TWO PC case, detailing specifications, component installation (motherboard, GPU, PSU, SSD/HDD, radiators, fans), and I/O port functions. Includes multilingual support information.</p>
	<p><a href="#">Montech XR PC Case: Specifications and Installation Guide</a></p> <p>Detailed specifications, features, and installation instructions for the Montech XR computer case, including component compatibility and assembly steps.</p>

