Jonsbo D31 MESH SC White

JONSBO D31 MESH SC Computer Case User Manual

Model: D31 MESH SC White

1. Introduction

This user manual provides comprehensive instructions for the assembly, operation, and maintenance of your JONSBO D31 MESH SC White Micro Computer Case. Please read this manual thoroughly before beginning installation to ensure proper setup and optimal performance. This case is designed for M-ATX/ITX mainboards and supports high-performance components, including RTX 4090 GPUs and 360/280 AIO liquid coolers.

2. Key Features

- **Compact Design:** Micro-ATX form factor with dimensions of 205*363*452mm.
- **Integrated Screen:** Features an 8-inch LCD display panel for real-time hardware status monitoring or animated wallpapers.
- **High Compatibility:** Supports M-ATX/MicroATX motherboards, GPUs up to 330-400mm, and ATX/SFX power supplies (100mm-220mm L max).
- **Advanced Cooling Support:** Accommodates air coolers up to 168mm high and AIO liquid coolers (360/280/240mm on top, 360/240mm on bottom).
- **Optimized Airflow:** Multiple fan mounting positions including Top (3x 120mm or 2x 140mm), Rear (1x 120mm), Bottom (3x 120mm or 2x 140mm), and Front (1x 120mm).
- **Tool-Free Design:** Multiple components designed for easy disassembly and access without tools.



Image: Front view of the JONSBO D31 MESH SC White Micro Computer Case, showcasing its integrated screen and mesh front panel.

3. Technical Specifications

Component	Specification
Model Name	D31 MESH SC
Dimensions (L x W x H)	452mm x 205mm x 363mm (17.32 x 8.07 x 14.29 inches)
Material	Metal
Motherboard Compatibility	M-ATX / MicroATX / ITX
GPU Length Support	330-400mm (depending on PSU position)
PSU Type & Length	ATX / SFX (100mm-220mm L max)
CPU Cooler Height	Up to 168mm
AIO Radiator Support	Top: 240/280/360mm; Bottom: 240/360mm

Fan Support	Top: 3x 120mm or 2x 140mm; Rear: 1x 120mm; Bottom: 3x 120mm or 2x 140mm; Front: 1x 120mm
Integrated Screen	8" Color TFT-LCD, 1280*800 resolution, 16:10 aspect ratio
I/O Ports	2x USB 2.0, 1x USB 3.0
Item Weight	17.36 pounds



Image: Detailed dimensions of the JONSBO D31 MESH SC case, showing length, width, and height measurements.

4. Setup and Installation

4.1. Preparing the Case

Before installing components, ensure you have a clean, static-free workspace. The JONSBO D31 MESH SC features a tool-free design for most panels, allowing for easy access.

1. **Panel Removal:** Gently pull the side panels and top mesh panel to detach them. The front screen panel can also be removed.
2. **Accessing Interior:** With panels removed, you gain full access to the motherboard tray, PSU mounting area, and fan/radiator mounting points.



Image: Exploded view of the JONSBO D31 MESH SC, showing its modular design with removable panels for easy access and assembly.

4.2. Motherboard Installation

The case supports M-ATX, MicroATX, and ITX motherboards.

1. Install the CPU, CPU cooler (if air cooler), and RAM onto the motherboard before placing it into the case.
2. Align the motherboard with the standoffs in the case and secure it with screws.

4.3. Power Supply Unit (PSU) Installation

The PSU can be installed in various positions to accommodate different GPU lengths and cooling configurations. The power supply bit supports two-way installation.

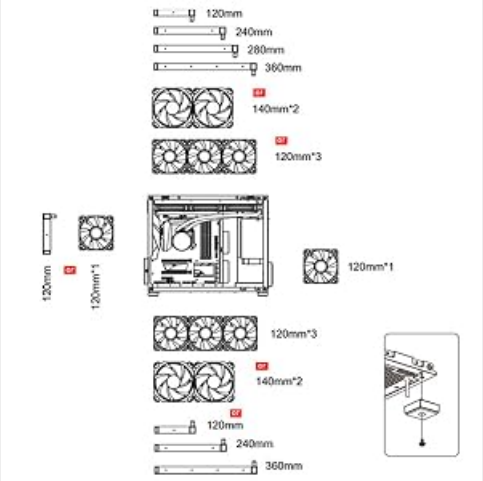


Image: Diagram illustrating the four adjustable PSU installation levels within the JONSBO D31 MESH SC case, showing how different positions affect GPU and cooling compatibility.

- **Level 1:** Supports 400mm long GPU when 140mm long PSU installed. Ideal for 240/280 AIO on top.
- **Level 2:** Supports 342-360mm long GPU when 140-160mm long PSU installed. Ideal for 120mm fans x3 on top.
- **Level 3:** Supports 342-360mm long GPU when 140mm long PSU installed. Ideal for 360 AIO on top.
- **Level 4:** Supports 330mm long GPU when 140-160mm long PSU installed. Ideal for 360 AIO on top.

Secure the PSU using the provided screws.

4.4. GPU Installation

Install your graphics card into the appropriate PCIe slot on your motherboard. Ensure it is securely seated and fastened with the retention clip or screw.
Note: GPU length compatibility varies based on PSU position. Refer to the PSU installation section for details.

4.5. Cooling System Installation (Fans & AIO)

The case offers extensive cooling options. Plan your fan and radiator placement for optimal airflow.



Image: Diagram showing various fan and radiator configurations supported by the JONSBO D31 MESH SC case, including top, rear, and bottom mounting options.

- **Top:** Supports 3x 120mm fans or 2x 140mm fans, or 240/280/360mm AIO radiators.
- **Rear:** Supports 1x 120mm fan.
- **Bottom:** Supports 3x 120mm fans or 2x 140mm fans, or 240/360mm AIO radiators.
- **Front:** Supports 1x 120mm fan.

Ensure fans are oriented correctly for intake or exhaust to create efficient airflow.

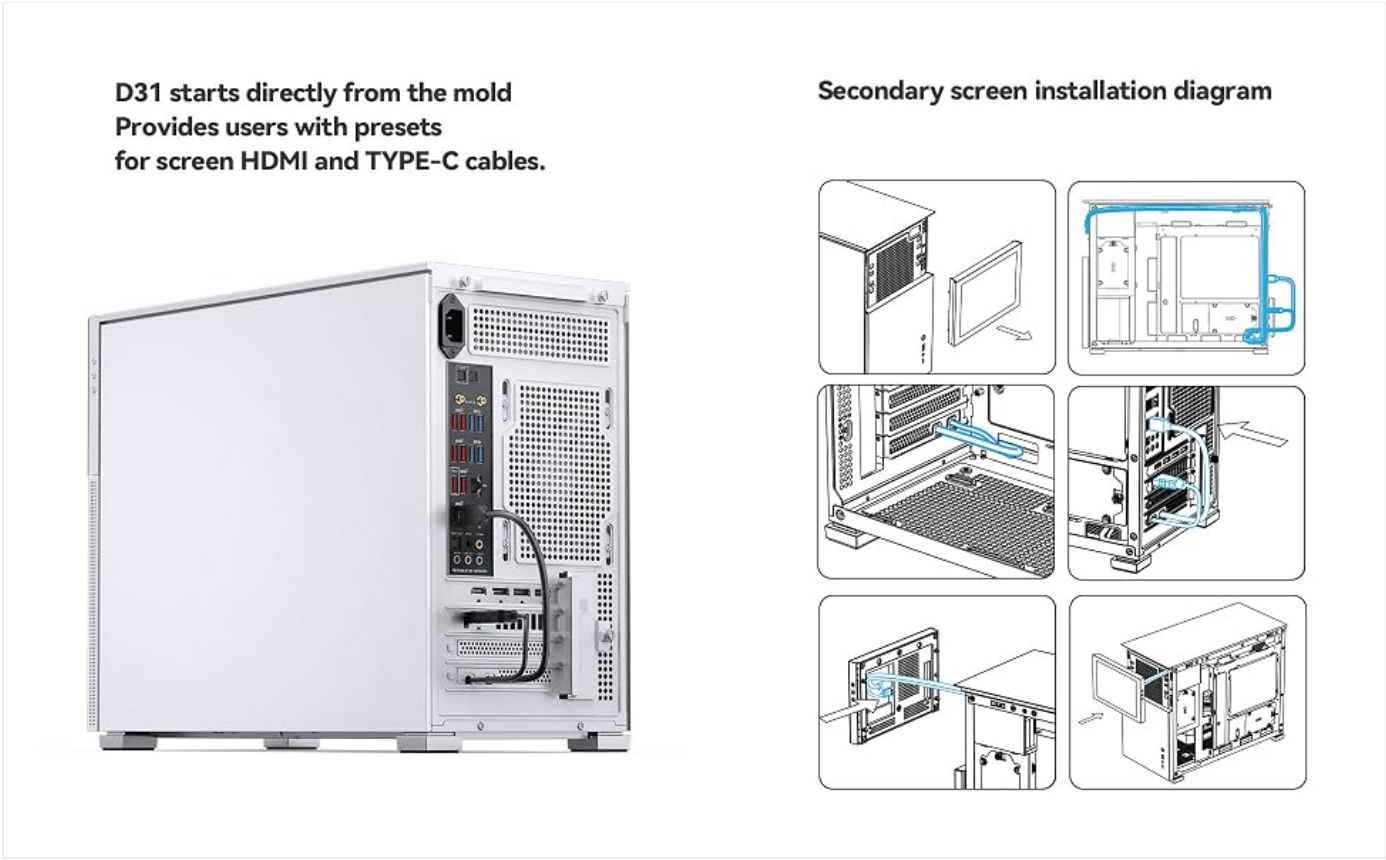


Image: Diagram illustrating the large air volume vertical air duct structure and fan installation offset to reduce resistance for graphics cards, optimizing airflow within the JONSBO D31 MESH SC case.

4.6. Cable Management

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

4.7. Integrated Screen Setup

The D31 MESH SC features an integrated 8-inch LCD screen. This screen connects via HDMI and Type-C cables.

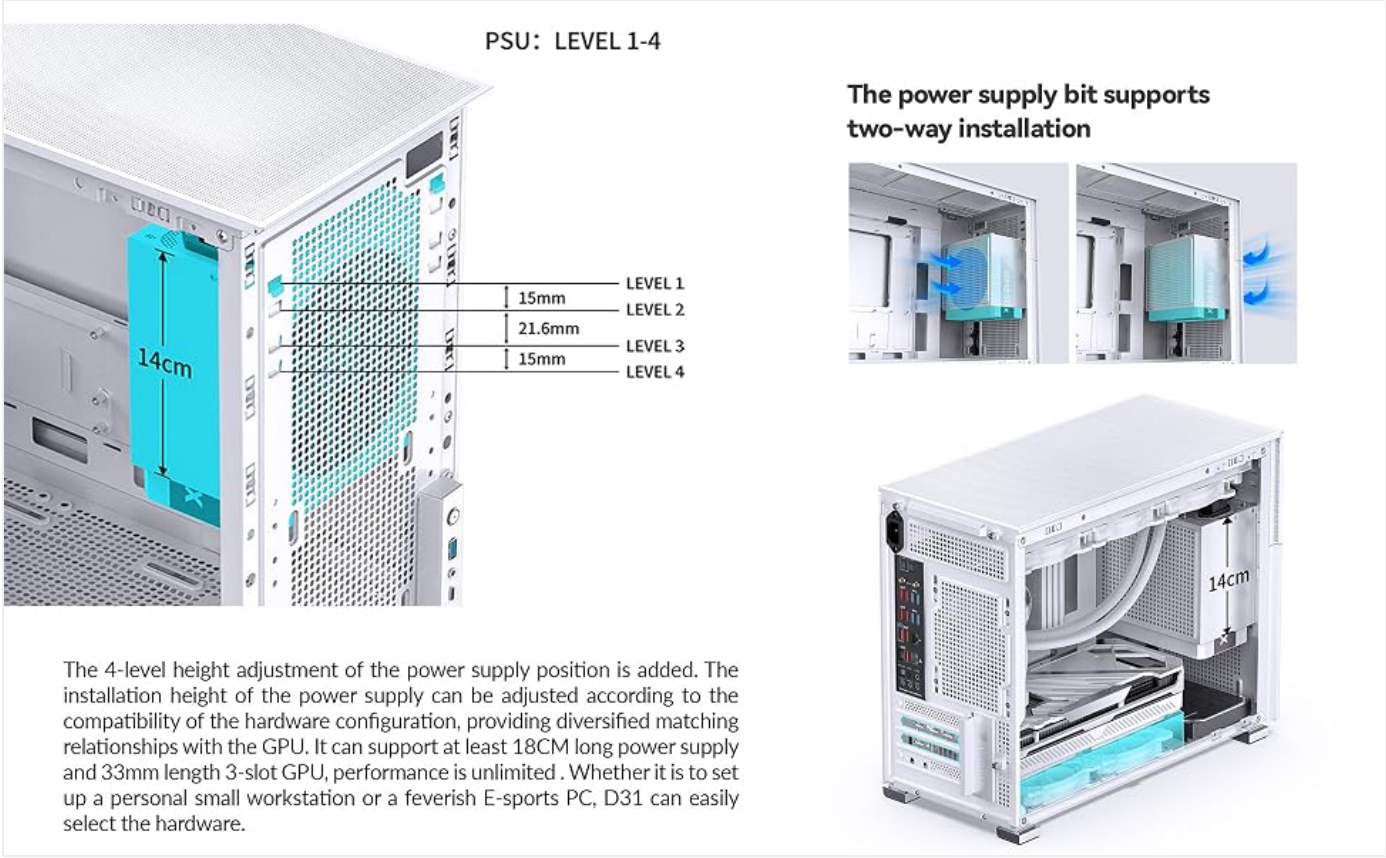


Image: Step-by-step diagram showing the installation process for the secondary screen on the JONSBO D31 MESH SC case, including cable routing.

- Connect the HDMI cable from the screen to your graphics card or motherboard's HDMI output.
- Connect the Type-C cable from the screen to a USB Type-C port on your motherboard or a USB hub for power and data.
- The screen can be configured as a secondary display in your operating system settings.
- For advanced monitoring (e.g., CPU/GPU temperatures), third-party software like AIDA64 Extreme (purchased separately) or Wallpaper Engine is recommended.
- The screen can be removed and used as a desktop secondary monitor, with a metal replacement panel included for the case.

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Video: Official JONSBO video demonstrating the D31 SCREEN MicroATX Case, highlighting its features and the functionality of the integrated display.

5. Operating Instructions

5.1. Powering On

Once all components are installed and cables connected, plug the power cable into the PSU and press the power button on the front I/O panel of the case.

5.2. Screen Controls

The integrated screen has buttons for controlling brightness (+/-) and an on/off switch, typically located on the side of the screen panel.



Image: Close-up view of the integrated screen on the JONSBO D31 MESH SC, showing the brightness control buttons and on/off switch.

6. Maintenance

6.1. Dust Filter Cleaning

The case features magnetic dust filters on the mesh panels. Regularly clean these filters to maintain optimal airflow and prevent dust buildup inside your system.

1. Gently remove the magnetic dust filters.
2. Clean them with compressed air or a soft brush.
3. Reattach the filters.

6.2. General Cleaning

Use a soft, dry cloth to wipe down the exterior of the case. Avoid abrasive cleaners or solvents.

7. Troubleshooting

7.1. Screen Compatibility Issues

If the integrated screen experiences compatibility problems during installation or operation, ensure the HDMI and Type-C cables are securely connected. Verify your graphics drivers are up to date. If issues persist, contact JONSBO customer service for assistance.

7.2. System Overheating

If your system components are running hotter than expected:

- Check fan orientation to ensure proper intake and exhaust.
- Clean dust filters and internal components.
- Verify CPU cooler and GPU cooler are properly seated and functioning.
- Ensure adequate cable management to avoid obstructing airflow.

7.3. Power Issues

If the system does not power on:

- Check all power connections, including the 24-pin ATX, 8-pin CPU, and PCIe power cables to the GPU.
- Ensure the PSU switch is in the 'ON' position.

- Verify front panel connectors (power switch, reset switch) are correctly connected to the motherboard.

8. Warranty and Support

For warranty information and technical support, please refer to the official JONSBO website or contact their customer service directly. Keep your proof of purchase for warranty claims.
JONSBO offers protection plans for extended coverage. For details, visit the Jonsbo Store on Amazon.

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Example: How do I reset this device or fix this error?

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