Jonsbo N2

JONSBO N2 NAS ITX Case User Manual

Model: N2

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your JONSBO N2 NAS ITX Case. The JONSBO N2 is a compact aluminum chassis designed for Network Attached Storage (NAS) or mini PC builds, supporting up to five 3.5-inch hard disk drives and one 2.5-inch solid-state drive.

Image 1.1: JONSBO N2 NAS ITX Case with internal drive bays highlighted.

2. SETUP AND INSTALLATION

Follow these steps to assemble your JONSBO N2 NAS ITX Case with your components.

2.1. Preparation

Before beginning, ensure you have the following components:

- ITX Motherboard
- SFX Power Supply (maximum 150mm length)
- 3.5-inch Hard Disk Drives (up to 5)
- 2.5-inch Solid State Drive (1)
- Low Profile PCI Expansion Card (optional, maximum 197mm length)
- CPU Cooler (maximum 65mm height)
- Screwdriver set
- Cable ties for management

2.2. Case Disassembly

The JONSBO N2 features a removable top cover and a magnetic front panel for easy access.

1. Gently pull the magnetic front panel to detach it from the chassis.
2. Remove the screws securing the top cover and slide it off to expose the motherboard tray.

Image 2.1: Front panel removed, showing drive bays.

2.3. Motherboard and CPU Cooler Installation

1. Install your ITX motherboard onto the motherboard tray using the provided standoffs and screws.
2. Install your CPU cooler. Ensure its height does not exceed 65mm to allow the top cover to close properly.

2.4. Power Supply Installation

1. Mount the SFX power supply into its designated bracket. The power supply should not exceed 150mm in length.
2. Secure the power supply with screws.

2.5. Drive Installation

The JONSBO N2 supports five 3.5-inch hot-swappable HDDs and one 2.5-inch SSD.

1. **3.5-inch HDDs:** Attach the provided handles and rubber slides to each 3.5-inch HDD. Slide each drive into an available hot-swappable bay until it clicks into place.
2. **2.5-inch SSD:** Mount the 2.5-inch SSD in its dedicated slot, typically located behind the motherboard tray or within the drive cage structure.
3. Connect SATA data and power cables to all installed drives.

Image 2.2: Exploded view illustrating component and drive installation.

2.6. Expansion Card Installation

If using a low-profile PCI expansion card:

1. Remove the appropriate PCI slot cover from the rear of the case.
2. Insert the low-profile expansion card into the motherboard's PCI-E slot. The card length must not exceed 197mm.
3. Secure the card with a screw.

2.7. Front Panel and Cooling Connections

1. Connect the front panel headers (USB 3.2 Gen2 Type-C, USB 3.0, Audio+Mic, Power/Reset) to the corresponding pins on your motherboard.
2. Ensure the pre-installed rear 120mm fan is connected to a fan header on your motherboard for proper cooling.

2.8. Cable Management and Reassembly

1. Route all cables neatly to ensure optimal airflow and prevent interference with components. Use cable ties as needed.
2. Slide the top cover back into place and secure it with screws.
3. Reattach the magnetic front panel.

3. OPERATING INSTRUCTIONS

3.1. Power On/Off

Press the power button located on the front panel to turn the system on or off. Follow your operating system's shutdown procedures for safe power-off.

3.2. Hot-Swapping Drives

The JONSBO N2 supports hot-swapping for its 3.5-inch HDD bays. Ensure your motherboard and operating system are configured to support hot-swapping before attempting this procedure.

1. Safely eject the drive from your operating system.
2. Gently pull the handle of the desired drive bay to release and remove the drive.
3. Insert a new 3.5-inch HDD into the empty bay, ensuring it slides in smoothly until it locks into place.
4. The operating system should detect the new drive.

4. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your JONSBO N2 case and its components.

4.1. Cleaning

1. **Exterior:** Wipe the aluminum exterior with a soft, damp cloth. Avoid abrasive cleaners.
2. **Dust Filters:** The case includes dust filters. Periodically remove and clean them with water or compressed air. Ensure they are completely dry before reinstallation.
3. **Internal Components:** Use compressed air to gently remove dust from internal components, especially the fan blades and heatsinks. Perform this with the system powered off and unplugged.
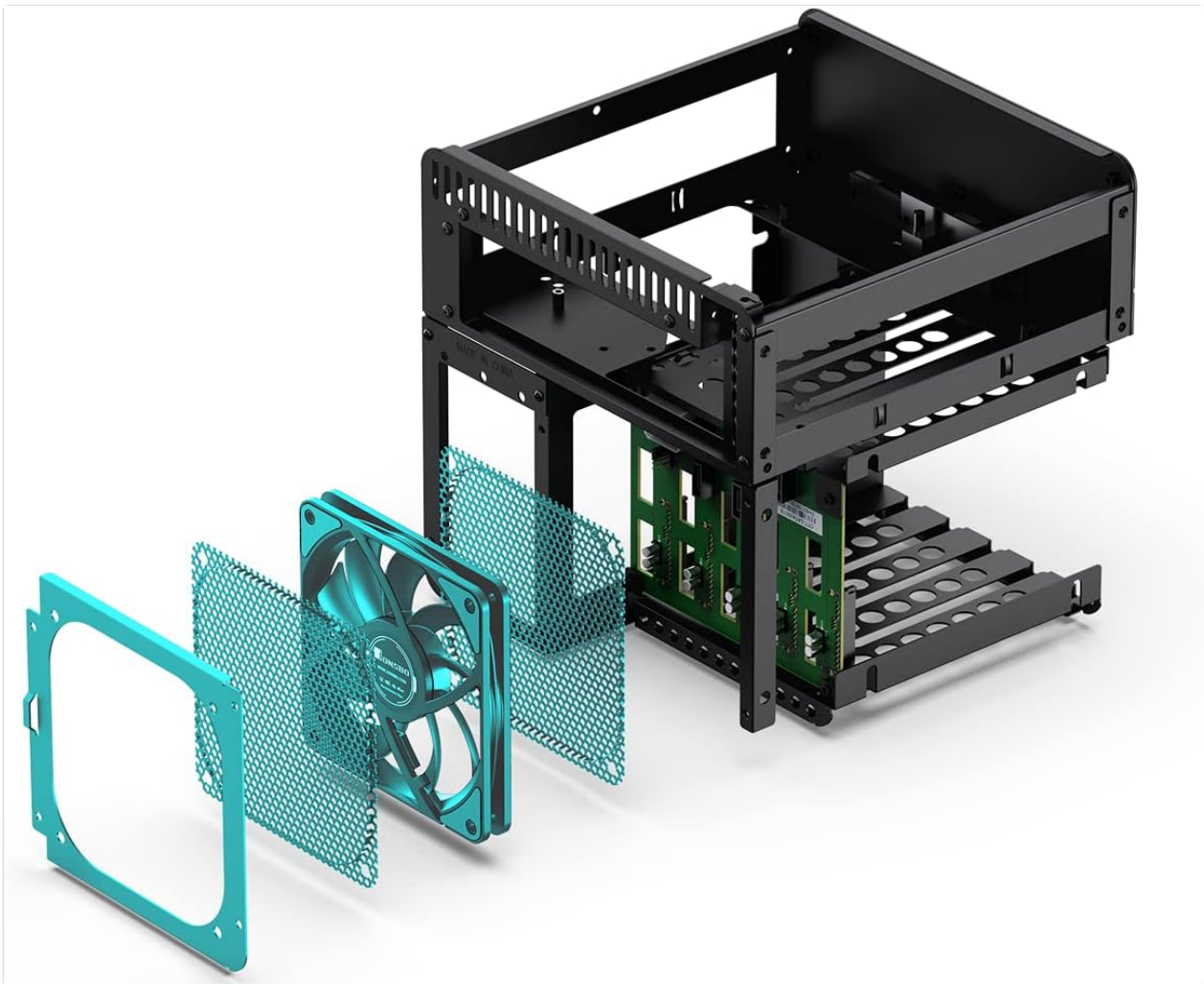
Image 4.1: Rear fan and filter assembly.

4.2. Ventilation

Ensure that all ventilation grilles on the case are unobstructed to maintain proper airflow and prevent overheating. Avoid placing the case in enclosed spaces without adequate air circulation.

Product Details

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VENTILATION GRILLE

REMOVABLE VENTILATION GRILLE ON THE FRONT PANEL FACILITATES HARD DISK INSTALLATION AND OPTIMIZES HEAT DISSIPATION EFFICIENCY

HOT SWAP BACKPLANE

THE SERVER GRADE 10MM GOLD-PLATED SAS HOT-SWAP INTERFACE IS USED

REAR WINDOW FAN

STANDARD 12015 COOLING FAN FOR REAR WINDOW AUXILIARY HEAT DISSIPATION

ANTISKID BASE

TWILL SILICONE ANTI-SKID BASE, SHOCK ABSORPTION+ANTI-SKID

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your JONSBO N2 case.

5.1. No Power

- Verify that the power supply is securely connected to the wall outlet and the motherboard.
- Check that the front panel power button header is correctly connected to the motherboard.
- Ensure the power supply unit (PSU) switch is in the 'ON' position.

5.2. Excessive Fan Noise

- Check if the fan blades are obstructed by cables or dust.
- Ensure the fan is securely mounted and not vibrating against the case.
- If the stock 120x15mm fan is too loud, consider replacing it with a quieter aftermarket fan of the same dimensions.

5.3. Drive Not Detected

- Ensure all SATA data and power cables are securely connected to both the drives and the motherboard/PSU.
- For 3.5-inch HDDs, confirm they are fully seated in their hot-swappable bays.
- Check your motherboard's BIOS/UEFI settings to ensure SATA ports are enabled.

5.4. Overheating

- Verify that the rear 120mm fan is operating correctly.
- Improve cable management to reduce airflow obstruction.
- Ensure the case's ventilation grilles are clear of obstructions.

6. SPECIFICATIONS

Detailed technical specifications for the JONSBO N2 NAS ITX Case:

Chassis Parameters

🗔 Product Size	222.5mm(W) * 222.5mm(D) * 224mm(H)	
🖩 Material	2.0mm Aluminium Alloy/1mm Steel Plate	
🖴 Hard Disk Bay	2.5"SSD * 1/3.5"HDD * 5	
🖥 Motherboard	ITX	
▥ PCI Expansion Slot	1 (Only Support Low Profile)	
🔌 Front Interface	1*USB3.2 Gen2 Type-C /1*USB3.0/AUDIO+MIC(2 IN 1)	
🔋 Power Supply	SFX≤150mm	
🌀 Compatible CPU Cooler	≤H:65mm	
🖵 GPU	≤L:197mm Single Low Profile	
🌀 Cooling System	Rear 12015 Fan * 1 (Standard Configuration)	
KG Net Weight	2.9KG	

Image 6.1: Chassis parameters and dimensions.

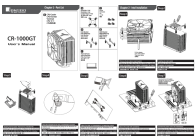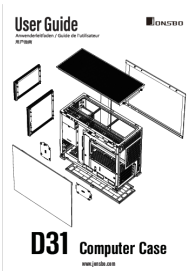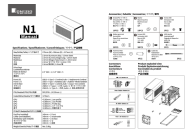| Feature	Specification
Model	N2
Dimensions (W x D x H)	222.5mm x 222.5mm x 224mm (8.76 x 8.76 x 8.82 inches)
Material	2.0mm Aluminum Alloy / 1mm Steel Plate
Hard Disk Bays	5 x 3.5" HDD (hot-swappable) + 1 x 2.5" SSD
Motherboard Support	ITX
PCI Expansion Slot	1 (Low Profile only, max length 197mm)
Front Interface	1 x USB 3.2 Gen2 Type-C, 1 x USB 3.0, Audio+Mic (2-in-1)
Power Supply Support	SFX (max length 150mm)
Compatible CPU Cooler Height	Max 65mm
Compatible GPU Length	Max 197mm (Single Low Profile)
Cooling System	Rear 12015 Fan x 1 (Standard Configuration)
Net Weight	2.9 KG (6.4 lbs)

7. WARRANTY AND SUPPORT

JONSBO products are manufactured to high-quality standards. For specific warranty information regarding your JONSBO N2 NAS ITX Case, please refer to the warranty card included with your purchase or visit the official JONSBO website.

If you encounter any issues or require technical assistance, please contact JONSBO customer support through their official channels. Provide your product model (N2) and a detailed description of the issue for efficient service.
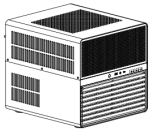
Related Documents - N2

	[JONSBO CR-1000GT CPU Cooler User's Manual and Installation Guide](#) Comprehensive installation guide for the JONSBO CR-1000GT CPU cooler, detailing parts and step-by-step instructions for both Intel and AMD platforms.
	[Jonsbo D31 Computer Case Installation Guide and Specifications](#) Comprehensive guide for the Jonsbo D31 computer case, covering parts list, chassis specifications, PSU and graphics card installation, cooling options, and compatibility. Features detailed steps for building your PC.
	[Jonsbo N1 Mini-ITX Case Installation Manual and Specifications](#) Detailed specifications, accessories list, and connection guide for the Jonsbo N1 Mini-ITX computer case. Includes multilingual support information.
	[JONSBO NV10 PC Case Installation Guide](#) Comprehensive installation guide for the JONSBO NV10 PC case, detailing package contents, parts, connectors, and step-by-step assembly instructions for building your computer.
	[JONSBO D32 STD Computer Case User Guide](#) Comprehensive user guide for the JONSBO D32 STD computer case, covering technical specifications, compatibility, and detailed installation instructions for all major PC components. Includes parts list and guidance for motherboard, power supply, storage, graphics card, and cooling systems.

[JONSBO N5 NAS Case User Guide](#)
Comprehensive user guide for the JONSBO N5 NAS Case, detailing product specifications, parts list, and step-by-step installation instructions for components like power supply, motherboard, storage drives, and cooling.