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› KXRORS S300 Mini-ITX PC Gaming Case Instruction Manual

KXRORS S300

KXRORS S300 Mini-ITX PC Gaming Case Instruction Manual

Model: S300

1. INTRODUCTION

This manual provides detailed instructions for the assembly, operation, and maintenance of your KXRORS S300 Mini-ITX PC Gaming Case. Please read this manual thoroughly before beginning assembly to ensure correct installation and optimal performance.



Image 1.1: The KXRORS S300 Mini-ITX PC Gaming Case, showcasing its compact design and included PCIe riser cable.

The KXRORS S300 is a compact 8.1L Mini-ITX case designed for small form factor PC builds. It features a durable aluminum alloy construction, mesh panels for enhanced airflow, and convenient front I/O ports including USB 3.0 and Type-C.

2. SPECIFICATIONS

Refer to the table below for detailed product specifications.



Leather handle

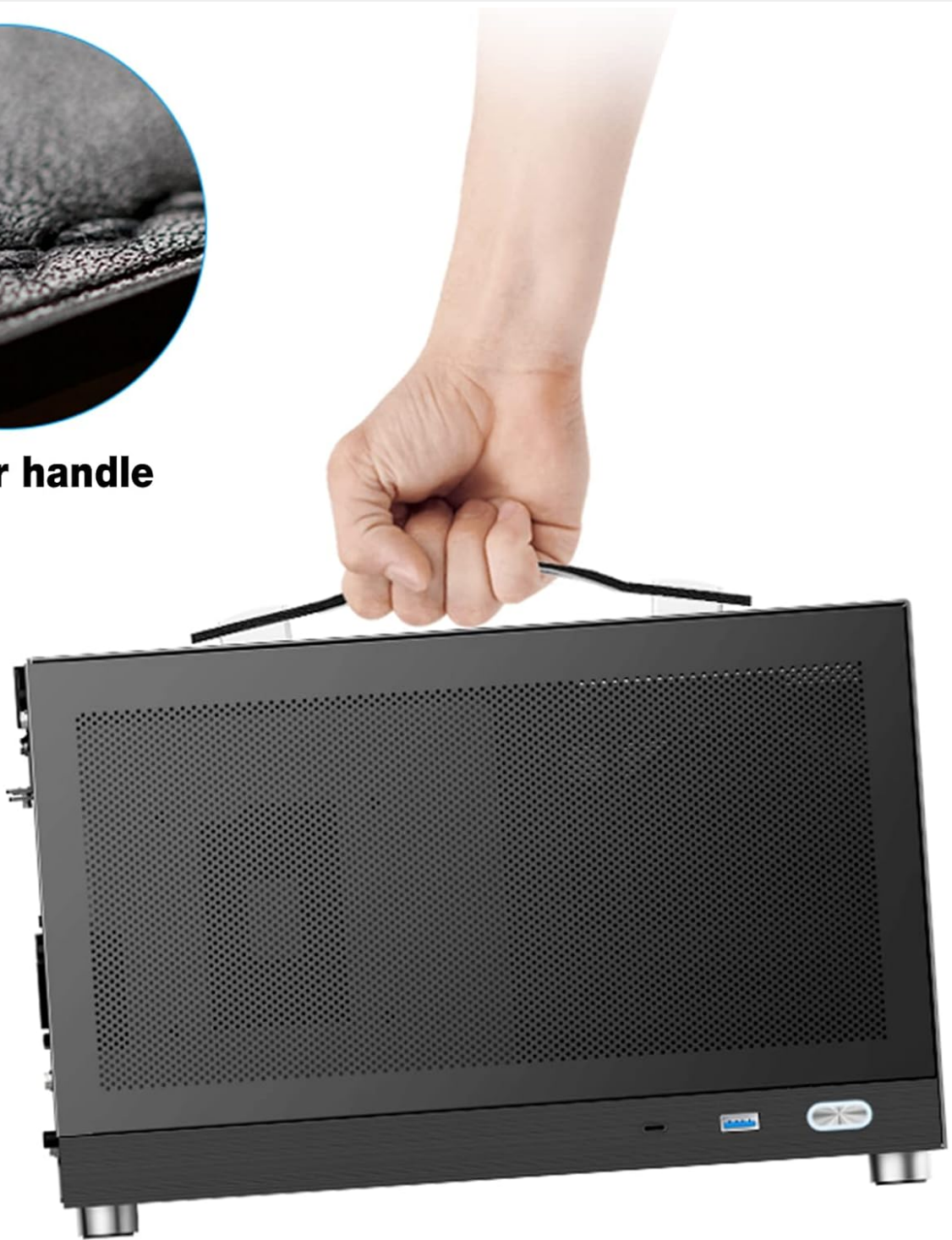


Image 2.1: Detailed product parameters for the KXRORS S300 case.

Feature	Specification
Model	S300
Chassis Color	Black
Chassis Material	SPCC steel + aluminum alloy
Hard Disk Position	2.5" SSD × 1, 3.5" HDD × 1 (graphics card length less than 180mm)
Motherboard Support	ITX (170x170mm)
PCI Expansion Slot	2.5 slots

I/O Interface	POWER, USB 3.0 × 1, TYPE-C × 1
Power Supply Support	SFX/SFX-L (100-130mm length)
CPU Cooling	60mm height limit
Graphics Card Support	Length limit 305mm, Height 55mm (2.5 slots), Width 130mm
Wind Cooling Support	Bottom fan 8010 × 1, 12015 × 1
Product Size (LxWxH)	312 × 135 × 193mm (12.2 x 5.3 x 7.6 inches)
Net Weight	2KG (4.4 pounds)

MINI-ITX PC GAMING CASE

Does not occupy desktop space, is a beautiful decoration on the desktop.

**Different sizes of cases for different graphics cards.*

8.1L



Image 2.2: Visual representation of the KXRORS S300 case dimensions.

3. SETUP AND ASSEMBLY

Follow these steps for proper installation of components into your S300 case.

3.1 Component Overview

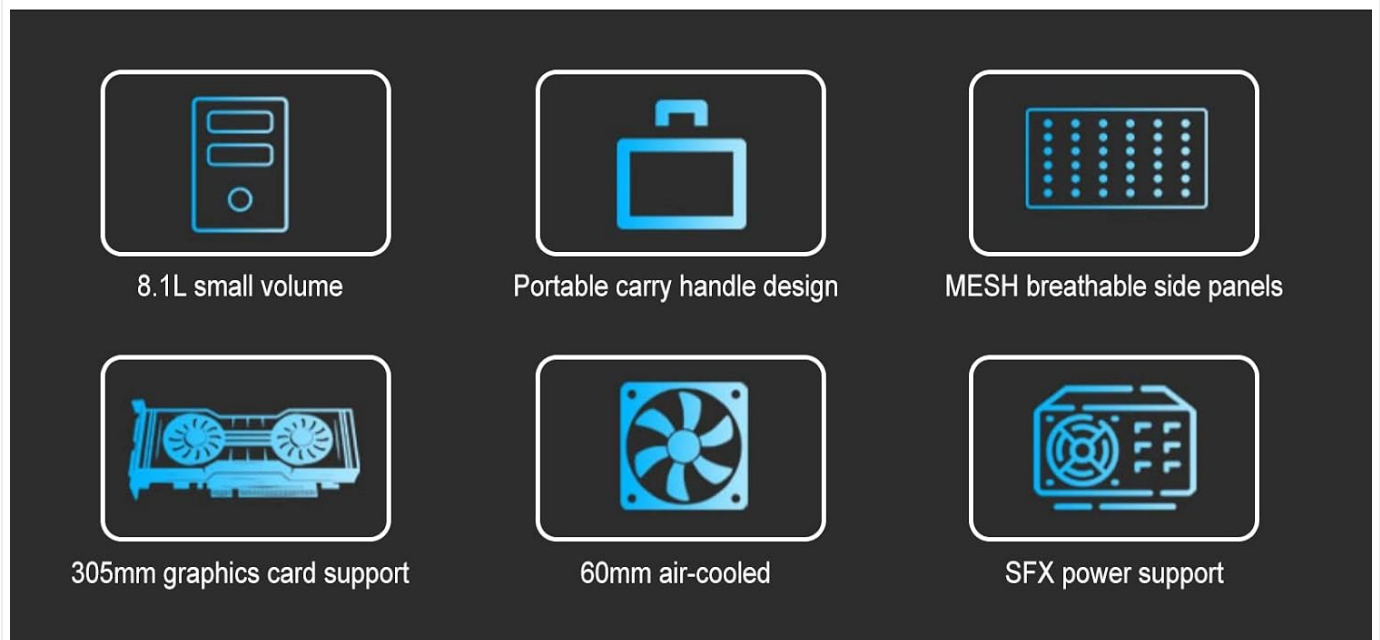
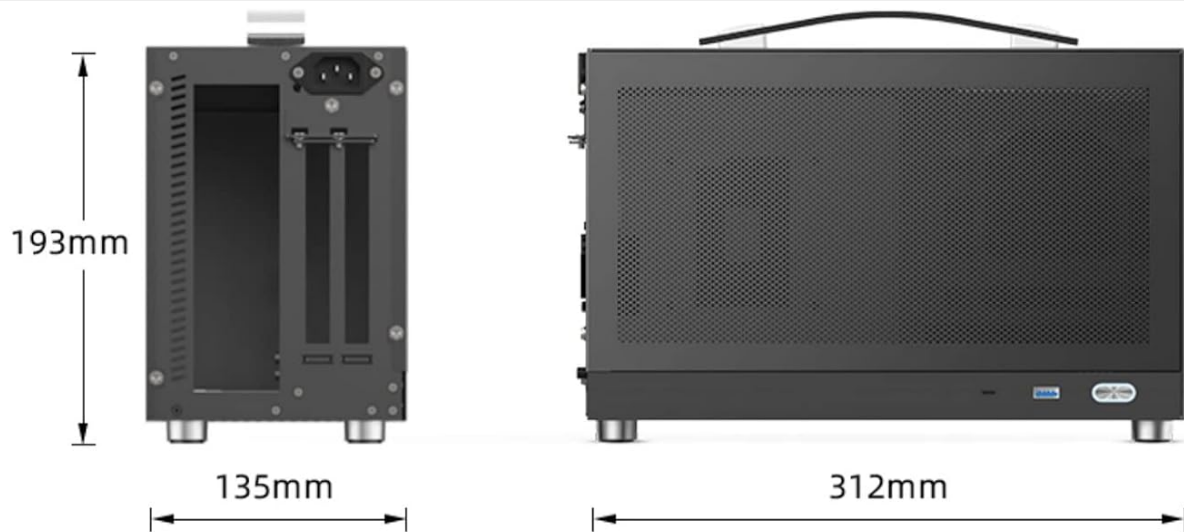


Image 3.1: Exploded view showing the various components of the KXRORS S300 case.

3.2 Motherboard Installation

1. Ensure your motherboard is a standard Mini-ITX (170x170mm) specification.
2. Install the CPU, CPU cooler (max height 60mm), and RAM onto the motherboard before placing it into the case.
3. Carefully align the motherboard with the standoffs inside the case and secure it with screws.



Image 3.2: Illustration of SFX power supply and ITX motherboard compatibility and placement within the case.

3.3 Power Supply Installation

1. The S300 supports SFX or SFX-L power supplies with a length between 100mm and 130mm.
2. Mount the power supply in its designated position, typically at the rear of the case.
3. Connect the necessary power cables to your motherboard and other components.

3.4 Graphics Card Installation

1. The case includes a premium PCIe 3.0 16X Riser Cable.
2. Install your graphics card into the riser cable. The case supports graphics cards up to 305mm in length, 55mm in height (2.5 slots), and 130mm in width.
3. **Important Note:** Before using the 3.0 graphics card extension line, you **must** set the PCIE speed of your motherboard BIOS to GEN3. Failure to do so may prevent the computer from functioning correctly.



Image 3.3: The included PCIe 3.0 16x Riser Cable and a critical note regarding BIOS settings.

3.5 Storage Installation

The case supports one 2.5" SSD and one 3.5" HDD (if graphics card length is less than 180mm). Mount your storage devices in the designated areas.

PRODUCT PARAMETER

Model:	S300
Chassis color:	Black
Chassis material:	SPCC steel + aluminum alloy
Hard disk position:	2.5' SSD×1, 3.5' HDD×1 (graphics card length less than 180mm)
Motherboard support:	ITX
PCI expansion slot:	2.5
I/O interface:	POWER, USB 3.0 × 1, TYPE-C
Power support:	SFX/SFX-L
CPU cooling:	60mm height limit
Graphics card support:	height limit 305mm
Wind cooling support:	bottom fan 8010 × 1, 12015 × 1
Product Size:	312×135×193mm(L×W×H)
Net weight:	2KG

Image 3.4: Internal layout illustrating the placement of SFX power supply, ITX motherboard, graphics card, HDD, and fan positions.

3.6 Fan Installation

The case supports one 8010 fan and one 12015 fan at the bottom for additional cooling. Install fans according to their designated positions to optimize airflow.

3.7 Front I/O Connections

Connect the front panel cables (Power, USB 3.0, Type-C) to the corresponding headers on your motherboard.

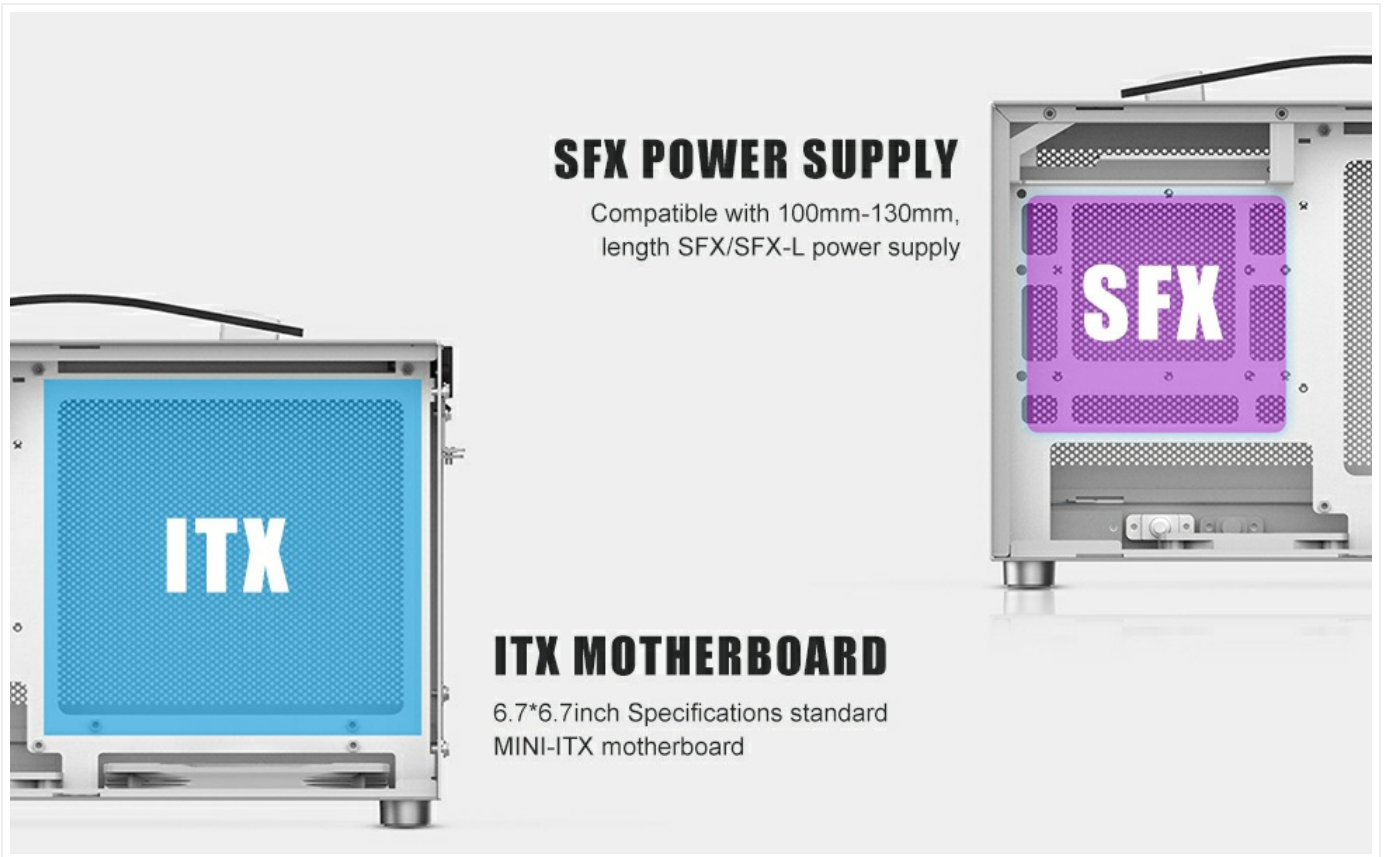


Image 3.5: Detailed view of the front I/O panel, including USB 3.0, Type-C, and the power button.



Image 3.6: Close-up of the front I/O ports, featuring USB 3.0, Type-C, and the power button with LED indicator.

4. OPERATING THE KXRORS S300 CASE

Once all components are correctly installed and connected, the KXRORS S300 case functions as the enclosure for your Mini-ITX PC. Its design focuses on portability and efficient cooling for small form factor systems.

4.1 Airflow and Cooling

The S300 features three-sided mesh panels to facilitate effective hot and cold air exchange. This design is crucial for maintaining optimal temperatures within a compact build.

HIGH-DENSITY MESH BOARD

Precision mesh effectively enhances hot and cold air exchange performance

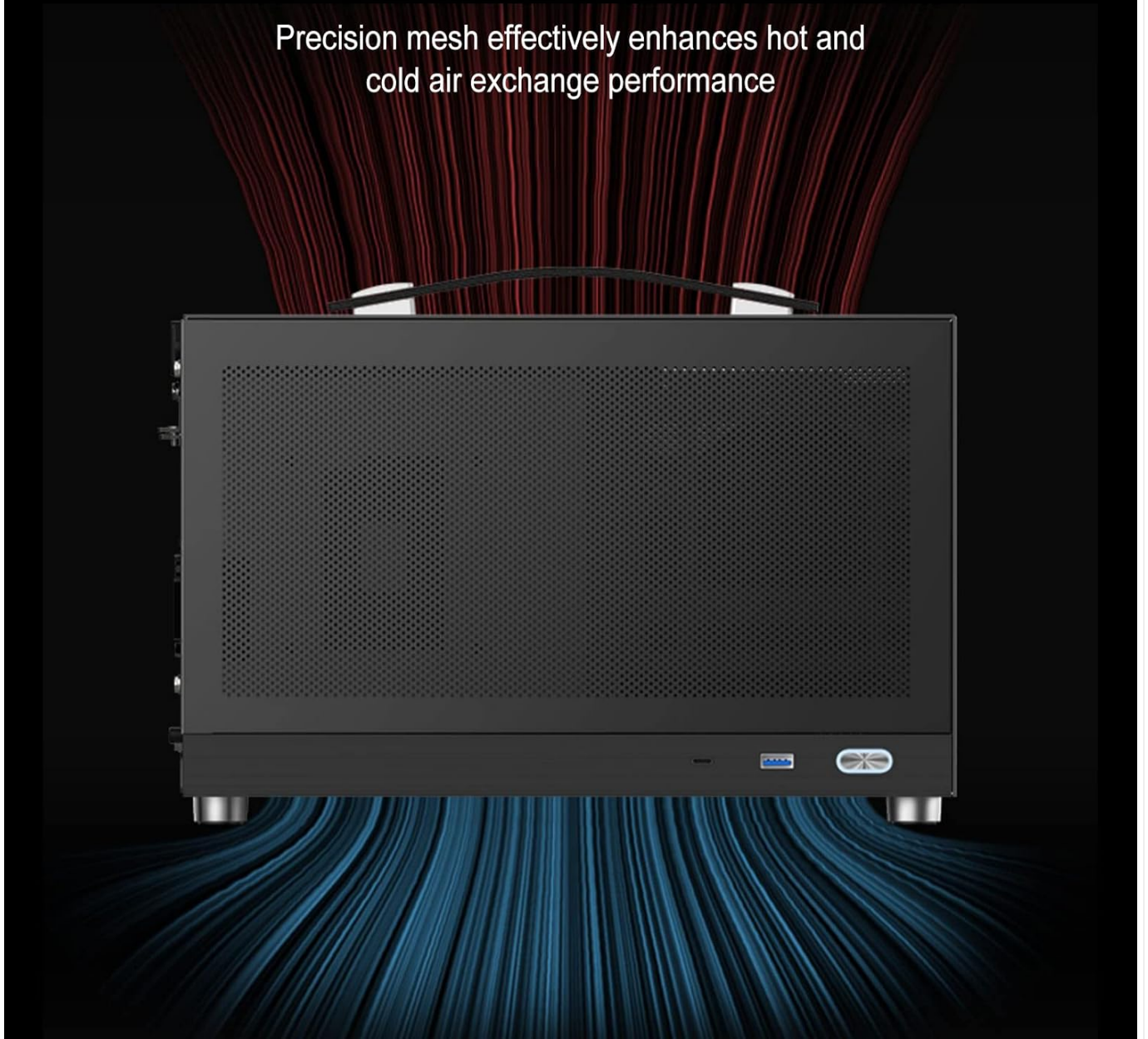


Image 4.1: Illustration demonstrating the airflow path through the high-density mesh panels for improved cooling performance.

4.2 Portability

The integrated leather handle on the top of the case allows for easy transportation of your compact PC system.

REAL SHOTS

***THE PRODUCT ONLY INCLUDES THE CHASSIS, THE REST IS JUST FOR DISPLAY**



Image 4.2: Detail of the small leather handle on the top of the case, designed for portability.

5. MAINTENANCE

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

5.1 Cleaning

- Periodically clean the mesh panels to prevent dust buildup, which can impede airflow and cooling efficiency. Use a soft brush or compressed air.
- Wipe external surfaces with a soft, dry cloth. Avoid abrasive cleaners or solvents.

5.2 Component Checks

- Occasionally check that all internal components (motherboard, graphics card, power supply, storage drives) are securely fastened.
- Ensure all cables are properly connected and not obstructing airflow.

6. TROUBLESHOOTING

This section addresses common issues you might encounter during or after assembly.

6.1 Computer Does Not Boot/Display

- **PCIe Speed Setting:** If you are using the included PCIe 3.0 riser cable, ensure that the PCIe speed in your motherboard's BIOS is set to GEN3. Incorrect settings (e.g., GEN4 or Auto) can prevent the system from booting or displaying video. Refer to your motherboard manual for instructions on accessing and changing BIOS settings.
- **Power Connections:** Verify that all power cables (24-pin ATX, CPU power, GPU power) are securely connected from the SFX power supply to the motherboard and graphics card.
- **Component Seating:** Re-seat the RAM modules, graphics card, and any other expansion cards to ensure they are properly seated in their slots.

6.2 Overheating Issues

- **Airflow Obstruction:** Ensure that the mesh panels are not blocked and that there is adequate space around the case for air circulation.
- **Fan Installation:** Verify that any installed case fans (8010, 12015) are oriented correctly to draw cool air in and exhaust hot air out.
- **CPU Cooler:** Confirm that the CPU cooler is properly installed and making good contact with the CPU. Ensure it is within the 60mm height limit.
- **Cable Management:** Optimize internal cable routing to minimize obstruction of airflow.

6.3 Front I/O Ports Not Functioning

- **Motherboard Headers:** Check that the USB 3.0 and Type-C cables from the front panel are correctly connected to the corresponding headers on your motherboard.
- **Power Button:** Ensure the power button cable is correctly connected to the motherboard's front panel header.

7. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or visit the official KXRORS website. Keep your proof of purchase for warranty claims.

For additional assistance, you may contact KXRORS customer service through their official channels.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

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

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question