Sharkoon SHA-VS4-WBK

Sharkoon SHA-VS4-WBK Mid-Tower PC Case Instruction Manual

1. INTRODUCTION

This manual provides detailed instructions for the assembly, operation, and maintenance of your Sharkoon SHA-VS4-WBK Mid-Tower PC Case. Please read this manual thoroughly before beginning installation to ensure proper setup and to maximize the lifespan of your components.

2. PRODUCT OVERVIEW

The Sharkoon SHA-VS4-WBK is a mid-tower PC case designed for ATX and Micro-ATX motherboards, featuring a full black aesthetic and an acrylic side window panel. It offers ample space for various components and efficient cable management.

Key Features:

- Acrylic side window panel for component visibility.
- Three 5.25-inch drive bays (two with tool-less mounting).
- Three 3.5-inch drive bays.
- Four 2.5-inch drive bays.
- Two external USB 3.0 ports on the front panel.
- Expansion card clearance up to 385mm (with 2.5-inch drive cage removed).
- CPU cooler height support up to 160mm.
- Convex side panel design for improved cable management space.

Visual Reference:

Figure 2.1: Front-side view of the Sharkoon SHA-VS4-WBK Mid-Tower PC Case, showcasing the acrylic side panel and front I/O
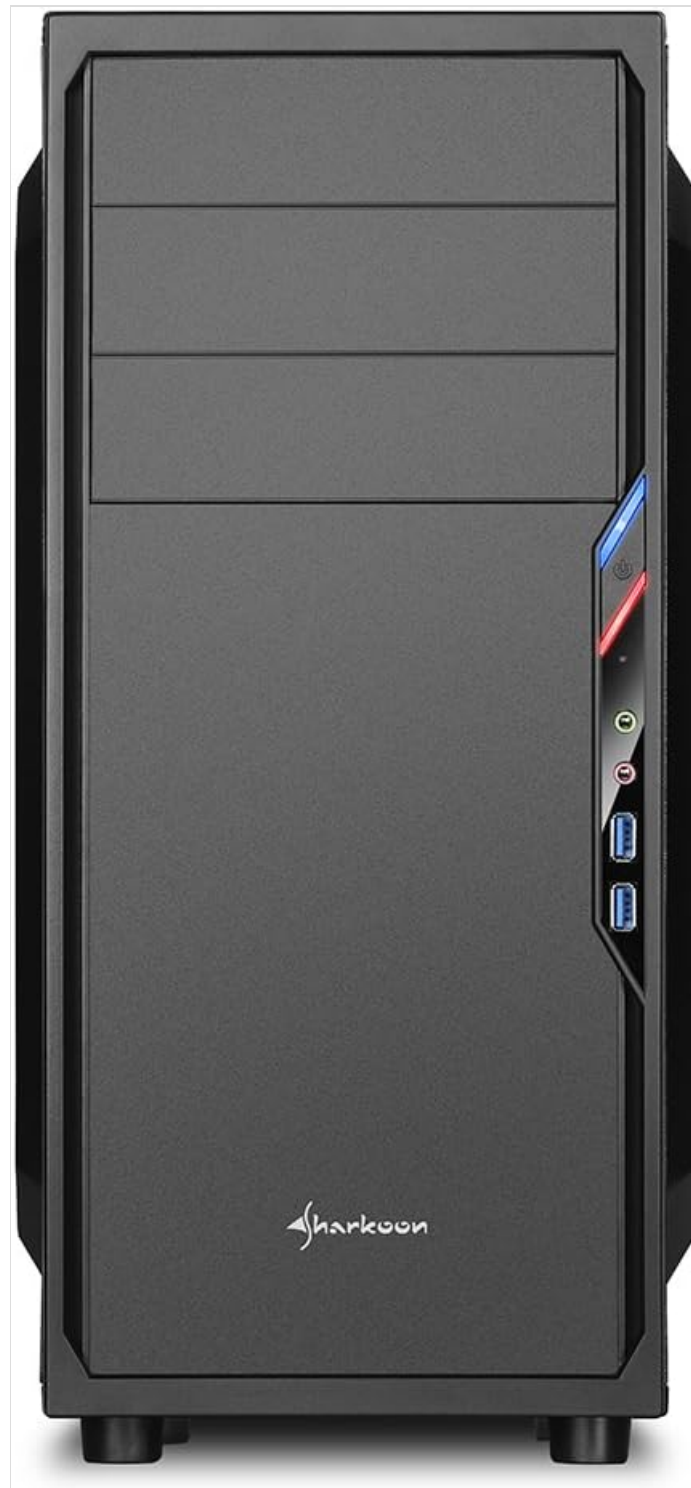
ports.

Figure 2.2: Front view of the PC case, highlighting the drive bays and front panel design.

Figure 2.3: Side view of the PC case, clearly showing the acrylic window panel.

Figure 2.4: Rear view of the PC case, showing expansion slots and power supply mounting area.

Figure 2.5: Interior view of the PC case, illustrating the motherboard tray, drive bays, and cable routing options.

3. SETUP AND INSTALLATION

Follow these steps for proper installation of your PC components into the SHA-VS4-WBK case.

3.1 Preparing the Case

1. Carefully unpack the case and remove all packaging materials.
2. Remove the side panels by unscrewing the thumbscrews at the rear of the case.

3.2 Motherboard Installation

1. Install the necessary standoffs onto the motherboard tray according to your motherboard's form factor (ATX or Micro-ATX).
2. Place the I/O shield into the rear opening of the case.
3. Carefully align your motherboard with the standoffs and I/O shield, then secure it with screws.

3.3 Drive Installation

- **5.25-inch Drives:** For the two tool-less bays, simply slide the drive in until it clicks into place. For the third bay, secure with screws.
- **3.5-inch Drives:** Mount 3.5-inch HDDs into the designated drive cages.
- **2.5-inch Drives:** Mount 2.5-inch SSDs/HDDs into the designated drive cages. The 2.5-inch drive cage can be removed to accommodate longer expansion cards.

3.4 Expansion Card Installation

1. Remove the necessary expansion slot covers from the rear of the case.
2. Insert your expansion card (e.g., graphics card) into the appropriate PCIe slot on your motherboard.
3. Secure the expansion card with the provided screws. Note the maximum clearance of 310mm, or 385mm if the 2.5-inch drive cage is removed.

3.5 Power Supply Installation

1. Install your power supply unit into the rear-mount power supply bay at the bottom of the case.
2. Secure it with screws from the outside of the case. Ensure the power supply's fan faces the correct direction for optimal airflow.

3.6 Cable Management

Utilize the space behind the motherboard tray and the convex design of the side panel to route cables neatly. This improves airflow and the overall aesthetic of your build.

3.7 Connecting Front I/O Ports

Connect the front panel cables (USB 3.0, audio, power, reset, LED indicators) to the corresponding headers on your motherboard. Refer to your motherboard manual for specific header locations.

4. OPERATING CONSIDERATIONS

Once all components are installed, ensure all cables are securely connected and the side panels are reattached. Power on your system and verify all components are functioning correctly. Monitor temperatures to ensure adequate cooling.

5. MAINTENANCE

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

- **Dust Cleaning:** Periodically clean dust from the interior of the case, especially from fans and heatsinks, using compressed air or a soft brush.
- **Exterior Cleaning:** Wipe the exterior surfaces with a soft, damp cloth. Avoid abrasive cleaners.
- **Acrylic Panel Care:** Clean the acrylic side panel with a soft, lint-free cloth and a mild plastic cleaner to prevent scratches.

6. TROUBLESHOOTING

If you encounter issues, consider the following common troubleshooting steps:

- **No Power:** Check all power connections, including the power supply to the wall outlet, the 24-pin ATX connector, and the 8-pin CPU power connector on the motherboard. Ensure the power button cable is correctly connected to the motherboard.
- **Components Not Fitting:** Double-check component dimensions against the case specifications. For long

graphics cards, ensure the 2.5-inch drive cage is removed if necessary.

- **Poor Airflow/Overheating:** Verify all fans are spinning correctly and are oriented for optimal airflow. Ensure cables are neatly managed to avoid obstructing airflow.
- **Front Panel I/O Issues:** Confirm that all front panel connectors (USB, audio) are correctly plugged into the motherboard headers.
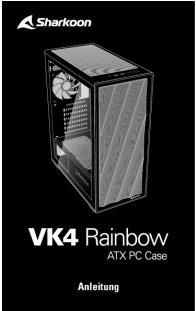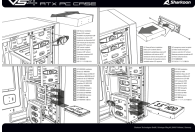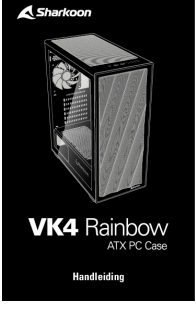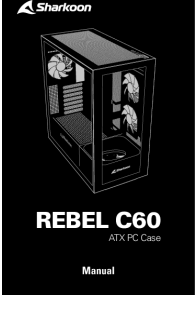
7. SPECIFICATIONS

Feature	Specification
Brand	Sharkoon
Model Number	SHA-VS4-WBK
Case Type	Mid Tower
Motherboard Compatibility	ATX, Micro-ATX
Dimensions (L x W x H)	44.5 x 20 x 43 cm
Weight	3.5 kg
Material	Acrylic (Side Panel)
5.25-inch Drive Bays	3 (2 tool-less)
3.5-inch Drive Bays	3
2.5-inch Drive Bays	4
Front I/O Ports	2 x USB 3.0
Expansion Card Clearance	Max 310mm (385mm with 2.5-inch drive cage removed)
CPU Cooler Max Height	160mm (Note: May be 155mm depending on motherboard/cooler)
Power Supply Max Depth	250mm
Cooling Method	Air Cooling

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Sharkoon website or contact your local distributor. Keep your proof of purchase for warranty claims.

Related Documents - SHA-VS4-WBK

	Sharkoon VK4 Rainbow PC Case Manual and Specifications Comprehensive manual and technical specifications for the Sharkoon VK4 Rainbow PC case. Includes detailed installation guides for drives, expansion cards, and cooling, safety instructions, compatibility details, and legal information.
	Sharkoon VS4 ATX PC Case Installation Guide Comprehensive guide to installing 5.25-inch devices, 2.5-inch HDDs/SSDs, and 3.5-inch HDDs in the Sharkoon VS4 ATX PC Case.
	Sharkoon MK7 ARGB Micro-ATX PC Case Handleiding Gedetailleerde handleiding voor de Sharkoon MK7 ARGB Micro-ATX PC Case, inclusief specificaties, veiligheidsinstructies, installatiegids en RGB-bediening.
	Sharkoon VK4 Rainbow PC Case Handleiding en Specificaties Gedetailleerde handleiding en specificaties voor de Sharkoon VK4 Rainbow PC-behuizing, inclusief installatie, veiligheid en compatibiliteit.
	**Sharkoon REBEL C60 ATX PC Case Manual	Especificações e Montagem** Guia completo do gabinete Sharkoon REBEL C60 ATX. Inclui especificações técnicas, instruções de montagem para drives, ventoinhas, radiadores, RGB e informações legais.
	Sharkoon RGB WAVE ATX PC Case - Specifications and Installation Guide Detailed specifications and installation instructions for the Sharkoon RGB WAVE ATX PC Case, featuring addressable RGB lighting, ample drive bays, and tool-free installation.