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msi VECTOR16HXA2060

MSI Vector 16 HX AI Gaming Laptop User Manual

Model: VECTOR16HXA2060

1. INTRODUCTION

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your MSI Vector 16 HX AI gaming laptop. Please read this manual thoroughly before using your device to ensure optimal performance and longevity.

For further assistance, please refer to the support section or visit the official MSI website.

2. PRODUCT OVERVIEW

Key Features

- **AI-Powered Performance:** Equipped with the Intel Core Ultra 9-275HX processor for efficient handling of demanding tasks.
- **Operating System:** Pre-installed with Windows 11 Pro for intuitive navigation and enhanced performance.
- **Graphics:** Features an NVIDIA GeForce RTX 5070Ti Laptop GPU for high-fidelity gaming and creative applications.
- **Display:** A 16-inch QHD+ display with a 240Hz refresh rate for a smooth and immersive visual experience.
- **Connectivity:** Supports Wi-Fi 7 for high-speed wireless networking and Thunderbolt 5 for rapid data transfer.

Laptop Components



Figure 2.1: Front view of the MSI Vector 16 HX AI laptop, showcasing the display and RGB-backlit keyboard.



Figure 2.2: Left side view of the laptop, highlighting USB ports and an audio jack.



Figure 2.3: Right side view of the laptop, showing Thunderbolt ports and an SD card reader.



Figure 2.4: Rear view of the laptop, displaying the cooling exhaust and the MSI logo on the lid.



Figure 2.5: Bottom view of the laptop, illustrating the extensive ventilation for cooling.

3. SETUP

3.1 Initial Power On

1. **Connect Power:** Plug the AC adapter into the laptop's DC-in port and then into a power outlet.
2. **Open Lid:** Gently open the laptop lid.
3. **Power On:** Press the power button, usually located above the keyboard, to turn on the laptop.
4. **Initial Setup:** Follow the on-screen instructions to complete the Windows 11 Pro setup, including language, region, network connection, and user account creation.

3.2 Connecting Peripherals

Connect external devices such as a mouse, keyboard, or external display to the available ports as needed. Refer to the "Ports and Connectors" section for port identification.

4. OPERATING INSTRUCTIONS

4.1 Keyboard Functions

The laptop features an RGB-backlit keyboard. Specific function keys (Fn combinations) allow control over various features:

- **Brightness Control:** Adjust screen brightness.
- **Volume Control:** Adjust audio volume.
- **Keyboard Backlight:** Cycle through backlight modes or adjust brightness.
- **Performance Modes:** Switch between different performance profiles (e.g., Silent, Balanced, Extreme Performance).
- **Wi-Fi Toggle:** Enable or disable wireless connectivity.

4.2 Ports and Connectors

Your MSI Vector 16 HX AI laptop is equipped with a variety of ports for connectivity:

- **USB 3.2 Gen 2 Type-A:** Four ports for connecting standard USB devices.
- **Audio Combo Jack:** For headphones or headsets.
- **RJ45 (Ethernet):** For wired network connection.
- **HDMI 2.1:** Supports external displays up to 8K@40Hz or 4K@120Hz.
- **DC-in:** Power input for the AC adapter.
- **Thunderbolt 5:** High-speed port for data transfer, display output, and power delivery (up to 100W PD charging).
- **SD Card Reader:** For reading and writing to SD memory cards.

5. MAINTENANCE

5.1 Cleaning

- **Screen:** Use a soft, lint-free cloth lightly dampened with water or a screen cleaner. Do not spray cleaner directly onto the screen.
- **Keyboard and Chassis:** Use a soft cloth to wipe surfaces. For dust in crevices, use compressed air.
- **Vents:** Regularly check and clean the cooling vents to prevent dust buildup, which can affect performance.

5.2 Software Updates

Keep your operating system, drivers, and firmware updated to ensure optimal performance, security, and compatibility. Check the MSI official website for the latest driver updates for your model.

5.3 Battery Care

To prolong battery life, avoid extreme temperatures and fully discharging the battery frequently. For long-term storage, charge the battery to about 50-60% and store the laptop in a cool, dry place.

6. TROUBLESHOOTING

Common Issues and Solutions

- **Laptop not powering on:** Ensure the AC adapter is securely connected and the power outlet is functional. Try a different outlet.
- **No display:** Connect an external monitor to check if the issue is with the laptop's screen. Restart the laptop.
- **Overheating:** Ensure cooling vents are clear of obstructions. Use the laptop on a hard, flat surface. Consider adjusting performance modes.
- **Poor Wi-Fi connection:** Check router and internet connection. Update Wi-Fi drivers. Ensure no physical obstructions are blocking the signal.

If you encounter persistent issues, please contact MSI customer support for further assistance.

7. SPECIFICATIONS

Feature	Detail
Model Name	Vector 16 HX AI A2XWHG-060US
Processor	Intel Core Ultra 9-275HX (2.1 GHz)
Graphics Card	NVIDIA GeForce RTX 5070 Ti (12 GB GDDR6)
RAM	32 GB DDR5
Storage	2 TB NVMe SSD
Display	16 Inches, QHD+ (2560 x 1600 pixels), 240Hz
Operating System	Windows 11 Pro
Wireless Connectivity	Wi-Fi 7, Bluetooth
Ports	USB 3.2 Gen 2 Type-A (x4), Thunderbolt 5, HDMI 2.1, RJ45, Audio Combo Jack, SD Card Reader
Weight	5.95 pounds
Dimensions (LxWxH)	14.05 x 1.12 x 11.18 inches

8. WARRANTY AND SUPPORT

Your MSI Vector 16 HX AI laptop comes with a standard manufacturer's warranty. Please refer to the warranty card included in your product packaging for specific terms and conditions.

For technical support, driver downloads, and service inquiries, please visit the official MSI support website: www.msi.com/support