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## GIGABYTE AERO 17 HDR XD-73US524SP

# GIGABYTE AERO 17 HDR XD Laptop User Manual

Model: AERO 17 HDR XD-73US524SP

## INTRODUCTION

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your GIGABYTE AERO 17 HDR XD laptop. Please read this guide thoroughly to ensure proper usage and to maximize the performance and longevity of your device.



Figure 1: GIGABYTE AERO 17 HDR XD Laptop. This image shows the laptop open, displaying its screen and keyboard.

## Product Overview Video

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Video 1: GIGABYTE AERO 17 HDR XD Gaming Laptop. This video provides a visual overview of the laptop's design and key features, including its display, ports, and internal components.

## SETUP

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### 1. Unboxing and Initial Inspection

Carefully remove the laptop and all accessories from the packaging. Verify that the following items are present:

- GIGABYTE AERO 17 HDR XD Laptop
- Power Adapter and Cable
- Battery (pre-installed or separate)

Inspect the laptop for any physical damage. If any components are missing or damaged, contact your retailer or GIGABYTE support immediately.

### 2. Connecting Power

Before first use, ensure the laptop is connected to the power adapter and fully charged. Connect the power adapter to the DC-in port on the laptop and then to a power outlet.

### 3. Initial Boot and Operating System Setup

Press the power button to turn on the laptop. Follow the on-screen instructions to complete the Windows 10 Pro setup. This process typically involves selecting your region, language, creating a user account, and connecting to a network.

### 4. Port Identification

Familiarize yourself with the various ports on your laptop for connecting peripherals and external devices.



Figure 2: Left Side Ports. This image displays the left side of the laptop, showing ports such as Ethernet, SD Card Reader, USB 3.0, and audio jacks.



Figure 3: Right Side Ports. This image displays the right side of the laptop, showing ports such as USB 3.0, Thunderbolt 4 (Type-C), Mini DisplayPort, HDMI, and the DC-in power port.



Figure 4: Rear View. This image shows the rear of the laptop, highlighting the cooling vents and any rear-facing ports.

## OPERATING INSTRUCTIONS

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### 1. Power On/Off

- **Power On:** Press the power button located above the keyboard.
- **Power Off:** Click the Windows Start button, then select Power > Shut down. Alternatively, press and hold the power button for a few seconds to force a shutdown (use only when necessary).

## 2. Keyboard and Touchpad

The laptop features a full-sized keyboard with a numeric keypad and customizable RGB backlighting. The touchpad supports multi-touch gestures for navigation.



Figure 5: Keyboard Layout. This image provides a top-down view of the laptop's keyboard, showing the key arrangement and touchpad.

- **Function Keys (Fn):** Many keys have secondary functions accessible by holding the **Fn** key and pressing the corresponding function key (e.g., Fn+F3/F4 for brightness, Fn+Spacebar for keyboard backlight modes).
- **Touchpad:** Use standard gestures for scrolling, zooming, and right-clicking. Refer to Windows settings for customizing touchpad behavior.

## 3. Display Settings

Your laptop features a 17.3-inch 4K UHD (3840x2160) IPS Anti-glare Display with HDR 400, X-Rite certification, and Pantone validation for accurate color reproduction. You can adjust display settings through Windows Display Settings (Right-click on desktop > Display settings).

## 4. Connecting External Devices

Utilize the available ports to connect external monitors, USB devices, external storage, and audio equipment. The Thunderbolt 4 (Type-C) port offers high-speed data transfer and display output capabilities.

## 5. Network Connectivity

The laptop supports Wi-Fi 6 (802.11ax) for high-speed wireless internet access and an Ethernet port for wired connections. Manage your network connections via the Windows Network & Internet settings.

## MAINTENANCE

### 1. Cleaning the Laptop

- **Screen:** Use a soft, lint-free cloth lightly dampened with water or a screen cleaner. Do not spray liquid directly onto the screen.
- **Keyboard and Chassis:** Use a soft, dry cloth. For stubborn dirt, a slightly damp cloth can be used. Avoid harsh chemicals.
- **Vents:** Periodically clean the cooling vents with compressed air to prevent dust buildup, which can impede airflow and cause overheating.

## 2. Cooling System

The GIGABYTE AERO 17 HDR XD utilizes Windforce Infinity Next-gen Cooling. Ensure that the air vents are not obstructed during operation to maintain optimal performance and prevent overheating.



Figure 6: Bottom Vents. This image shows the underside of the laptop, highlighting the intake vents for the cooling system.

## 3. Battery Care

- Avoid completely discharging the battery frequently.
- Store the laptop in a cool, dry place if not used for extended periods.
- For optimal battery health, avoid prolonged exposure to high temperatures.

## 4. Software Updates

Regularly update your operating system, drivers (especially graphics and Wi-Fi), and GIGABYTE utilities to ensure system stability, security, and performance. Check the GIGABYTE official website for the latest drivers and software.

## TROUBLESHOOTING

This section addresses common issues you might encounter with your GIGABYTE AERO 17 HDR XD laptop.

Problem	Possible Solution
Laptop does not power on.	Ensure the power adapter is securely connected to both the laptop and a working power outlet. Check if the battery is charged. Try a different power outlet.
No display on screen.	Connect an external monitor to verify if the issue is with the laptop's display. Adjust screen brightness using Fn keys. Restart the laptop.
Wi-Fi connection issues.	Ensure Wi-Fi is enabled in Windows settings. Restart your router and modem. Update Wi-Fi drivers from the GIGABYTE website. Try connecting to a different network to isolate the issue.
System performance is slow.	Close unnecessary applications. Check for background processes consuming high resources (Task Manager). Ensure cooling vents are clear. Update drivers and OS.

Problem	Possible Solution
Keyboard backlight not working.	Press Fn + Spacebar to cycle through backlight modes. Ensure GIGABYTE control software is installed and running.

If you encounter persistent issues not covered here, please refer to the support section for further assistance.

## SPECIFICATIONS

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Below are the key technical specifications for the GIGABYTE AERO 17 HDR XD (Model: AERO 17 HDR XD-73US524SP) laptop:

Feature	Detail
Model Name	AERO 17 HDR XD-73US524SP
Display	17.3-inch Thin Bezel UHD 4K (3840x2160) IPS Anti-glare Display LCD (VESA DisplayHDR 400, 100% Adobe RGB), X-Rite Certified, Pantone Validated
Processor	11th Gen Intel Core i7-11800H (2.3GHz~4.6GHz)
Graphics	NVIDIA GeForce RTX 3070 Laptop GPU 8 GB GDDR6 (Boost Clock 1290 MHz, Max Graphics Power 105W)
RAM	16 GB DDR4 (expandable up to 64 GB)
Storage	1 TB SSD
Operating System	Windows 10 Pro
Wireless Connectivity	802.11ax (Wi-Fi 6)
Ports	3x USB 3.0, 1x Thunderbolt 4 (Type-C), Mini DisplayPort, HDMI, Ethernet, UHS-II SD Card Reader, 2x Audio-out
Battery	99W Lithium Polymer
Dimensions (WxDxH)	15.6 x 10.6 x 0.85 inches
Weight	5.5 pounds

## WARRANTY AND SUPPORT

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### 1. Warranty Information

Your GIGABYTE AERO 17 HDR XD laptop comes with a limited warranty. The specific terms and duration of the warranty may vary by region and retailer. Please refer to the warranty card included with your product or visit the

official GIGABYTE website for detailed warranty information.

## 2. Technical Support

For technical assistance, driver downloads, or further troubleshooting, please visit the official GIGABYTE support website. You can typically find FAQs, driver updates, and contact information for customer service there.

**GIGABYTE Support Website:** <https://www.gigabyte.com/support>