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GIGABYTE AERO 15 OLED SA-7US5130SH

GIGABYTE AERO 15 OLED Laptop User Manual

Model: AERO 15 OLED SA-7US5130SH

Introduction

This manual provides essential information for the setup, operation, maintenance, and troubleshooting of your GIGABYTE AERO 15 OLED laptop. Designed for creative professionals and users requiring high performance, this laptop combines powerful hardware with a stunning display and efficient cooling.

Product Overview

The GIGABYTE AERO 15 OLED is a thin and light laptop engineered for demanding tasks such as video editing, graphic design, and gaming. It features a durable CNC aluminum alloy chassis and advanced components to ensure stable and efficient performance.

Key Features:

- **Display:** 15.6-inch UHD AMOLED panel with ultra-thin bezels, VESA DisplayHDR 400 True Black Standard, 100% DCI-P3 wide color gamut, 1-ms response time, and X-Rite Pantone factory calibration for Delta E<1 color accuracy.
- **Processor:** Latest 9th Gen Intel Core i7-9750H for efficient processing of demanding applications.
- **Graphics:** NVIDIA GeForce GTX 1660 Ti (6GB GDDR6) for accelerated graphic performance.
- **Memory & Storage:** 16GB DDR4 3200MHz dual channel memory and 512GB NVMe PCIe SSD (with two NVMe storage slots total).
- **Cooling System:** GIGABYTE exclusive Supra Cool 2 system designed for enhanced thermal efficiency, preventing overheating during intensive use.
- **Battery Life:** Up to 8 hours (PCMark 10) with a 94Wh battery, optimized by built-in Microsoft Azure AI.
- **Connectivity:** Multiple ports including HDMI, Mini-DP, Thunderbolt 3 USB-C, and a 300MB/s UHS-II SD Card Reader. Features Killer Ethernet E2600 and Killer Wi-Fi 6 AX 1650 for high-speed networking.
- **Keyboard:** Full area backlit GIGABYTE RGB Fusion 2.0 keyboard with numpad and per-key macro customization.
- **Audio:** High-power stereo speakers with NAHIMIC 3 3D surround sound.



Image: The GIGABYTE AERO 15 OLED laptop, showcasing its thin bezel display and RGB keyboard. The screen displays "Best Laptop for Creators" by LAPTOPMAG, "SAMSUNG AMOLED", and "Made in Taiwan" logos.

Setup

1. **Unpacking:** Carefully remove the laptop and all accessories from the packaging. Ensure all components listed in the packing list are present.
2. **Power Connection:** Connect the AC adapter to the laptop's power input port and then to a power outlet. It is recommended to fully charge the battery before initial use.
3. **Initial Boot:** Open the laptop lid and press the power button. Follow the on-screen instructions to complete the Windows 10 Home setup, including language, region, network connection, and user account creation.
4. **Connect Peripherals:** Connect any external devices such as a mouse, keyboard, external monitor, or USB drives to the available ports.
5. **Software Updates:** After initial setup, connect to the internet and check for Windows updates and GIGABYTE driver updates to ensure optimal performance and security.

Operating Instructions

Your AERO 15 OLED laptop is designed for intuitive use. Here are some general operating guidelines:

- **Power Management:** Utilize Windows power settings to optimize battery life or performance. The built-in Microsoft Azure AI can intelligently adjust hardware profiles based on your usage.
- **GIGABYTE Control Center:** This pre-installed software allows you to manage system performance, fan speeds, keyboard RGB lighting (RGB Fusion 2.0), and other settings. Explore its features for customization.
- **Display Settings:** For optimal visual experience, ensure your display settings are configured for 4K UHD resolution. The X-Rite Pantone calibration ensures accurate colors for creative work.
- **External Displays:** Connect up to three external displays using the HDMI, Mini-DP, and Thunderbolt 3 USB-C ports

for an expanded workspace.

- **Security:** Use the built-in fingerprint reader for quick and secure logins via Windows Hello.

Maintenance

Proper maintenance ensures the longevity and optimal performance of your laptop.

- **Cleaning:** Use a soft, lint-free cloth to clean the screen and chassis. For stubborn marks, a slightly dampened cloth with water or a specialized screen cleaner can be used. Avoid harsh chemicals.
- **Ventilation:** Ensure the laptop's ventilation openings are clear and unobstructed to allow for proper airflow and prevent overheating. Avoid using the laptop on soft surfaces like beds or carpets that can block vents.
- **Software Updates:** Regularly check for and install operating system updates, driver updates (especially graphics and chipset drivers), and GIGABYTE Control Center updates.
- **Battery Care:** To prolong battery life, avoid consistently discharging the battery completely or keeping it at 100% charge for extended periods. For long-term storage, charge the battery to around 50-60%.
- **Data Backup:** Regularly back up your important data to an external drive or cloud storage to prevent data loss.

Troubleshooting

Here are solutions to some common issues you might encounter:

Problem	Possible Solution
Laptop is overheating or fans are loud.	Ensure vents are clear. Use GIGABYTE Control Center to adjust fan profiles. Consider undervolting the CPU if comfortable with advanced settings (refer to online guides or professional support).
Poor Wi-Fi connection or frequent disconnections.	Update Wi-Fi drivers. Ensure you are within range of your router. Check for router firmware updates. Try resetting your network adapter.
Display issues (e.g., flickering, incorrect colors).	Update graphics drivers. Re-run X-Rite Pantone calibration if available. Check display cable connections if using an external monitor.
Laptop does not power on.	Verify AC adapter is securely connected and power outlet is functional. Try a different power outlet. If battery is completely drained, allow it to charge for a few minutes before attempting to power on.
Webcam image quality is poor or camera is not detected.	Ensure the physical camera shutter (if present) is open. Update camera drivers. Check privacy settings in Windows.

Specifications

Feature	Detail
Brand	GIGABYTE
Model Name	AERO 15 OLED SA-7US5130SH
Standing Screen Display Size	15.6 Inches

Feature	Detail
Screen Resolution	3840 x 2160 pixels (UHD AMOLED)
Processor	4.5 GHz Intel Mobile CPU (i7-9750H)
RAM	16 GB DDR4
Memory Speed	4.5 GHz
Hard Drive	512 GB NVMe PCIe SSD
Graphics Coprocessor	NVIDIA GeForce GTX 1660Ti
Graphics Card Ram Size	6 GB
Wireless Type	802.11ac, Bluetooth (Killer Wi-Fi 6 AX 1650)
Number of USB 3.0 Ports	3
Average Battery Life (in hours)	5 Hours (up to 8 hours PCMark 10)
Hardware Platform	PC
Operating System	Windows 10 Home
Item Weight	4.72 pounds
Product Dimensions	14 x 9.8 x 0.8 inches
Color	Black
Power Source	Battery Powered
Batteries	1 Lithium Polymer battery (included)

Warranty and Support

Your GIGABYTE AERO 15 OLED laptop comes with a manufacturer's warranty. For detailed warranty terms and conditions, please refer to the warranty card included with your product or visit the official GIGABYTE website.
For technical support, driver downloads, and frequently asked questions, please visit the GIGABYTE support portal. You can also contact GIGABYTE customer service for assistance.
Important: Any unauthorized modifications or repairs may void your warranty. Always refer to official GIGABYTE resources for service and support.

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