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GIGABYTE AERO 15-X9-9RT5

GIGABYTE AERO 15-X9-9RT5 User Manual

Model: AERO 15-X9-9RT5

INTRODUCTION

This manual provides essential information for the GIGABYTE AERO 15-X9-9RT5 laptop, a high-performance computing device designed for demanding tasks and gaming. It features a 15.6-inch Thin Bezel FHD LG 144Hz IPS display, powered by an Intel Core i9-8950HK processor and NVIDIA GeForce RTX 2070 graphics. The system includes 16GB of RAM, a 1TB M.2 PCIe SSD, and runs on Windows 10. Key features also include per-key RGB backlit keyboard, Thunderbolt 3 connectivity, and Intel Wi-Fi.

The GIGABYTE AERO 15-X9-9RT5 is engineered with "All Intel Inside" technology, integrating Intel's high-performance components for seamless operation and enhanced multitasking capabilities. This includes a 6-core Intel CPU, Thunderbolt 3, Intel 760P SSD, and Intel-based Killer Wi-Fi.

PACKAGE CONTENTS

Upon unboxing your GIGABYTE AERO 15-X9-9RT5, please verify that the following items are included:

- GIGABYTE AERO 15-X9-9RT5 Laptop
- Power Adapter (230W)
- Battery (integrated Lithium Polymer)
- Documentation (Quick Start Guide, Warranty Card)

The SSD and RAM modules are pre-installed within the laptop.

SETUP

1. Initial Power-On

1. Connect the power adapter to the DC-in jack on the laptop and then to a power outlet.
2. Open the laptop lid.
3. Press the power button, typically located above the keyboard, to turn on the device.
4. Follow the on-screen instructions to complete the initial Windows 10 setup, including language selection,

network connection, and user account creation.

2. Connecting Peripherals

The GIGABYTE AERO 15-X9-9RT5 offers various ports for connecting external devices. Refer to the port diagram below for locations.



This image displays the various ports available on the GIGABYTE AERO 15-X9-9RT5 laptop, including Kensington Lock, DC-in Jack, USB 3.1 Gen1, Thunderbolt 3 Type-C USB 3.1, SD Card Reader on one side, and RJ-45, USB 3.1 Gen2, HDMI 2.0, DP 1.4 Type-C USB 3.1, and Combo Audio Jack on the other side.

- **USB 3.0 Ports:** Connect USB devices such as mice, keyboards, or external storage.
- **Thunderbolt 3 (Type-C):** For high-speed data transfer, display output, and power delivery.
- **HDMI 2.0 & DP 1.4 (Type-C):** Connect external monitors or projectors.
- **RJ-45:** For wired Ethernet network connection.
- **SD Card Reader:** Insert SD cards for data transfer.
- **Combo Audio Jack:** Connect headphones or a headset.

OPERATING INSTRUCTIONS

1. Display Features



This image highlights the 15.6-inch LG IPS 144Hz display of the GIGABYTE AERO 15-X9-9RT5, showcasing its vibrant colors and smooth motion, ideal for gaming and multimedia.

The laptop features a 15.6-inch Thin Bezel FHD LG 144Hz IPS Anti-Glare display. This display is X-Rite Pantone Certified, ensuring accurate color reproduction, which is crucial for creative professionals. The 144Hz refresh rate provides a smooth visual experience, particularly beneficial for gaming.

2. Keyboard and Touchpad



RGB Fusion: Anti-Ghosting Per-Key RGB Backlit

This image shows a close-up of the GIGABYTE AERO 15-X9-9RT5's keyboard, featuring RGB Fusion per-key anti-ghosting RGB backlighting, allowing for customizable lighting effects.

The keyboard features per-key RGB backlighting with anti-ghosting technology, enhancing typing and gaming experiences. The touchpad supports multi-touch gestures for navigation.

3. Microsoft Azure AI

World's 1st AI Laptop

Switchless, Effortless



This image illustrates the Microsoft Azure AI feature integrated into the GIGABYTE AERO 15-X9-9RT5, designed for intelligent power management and performance optimization.

The laptop integrates Microsoft Azure AI, which is designed to intelligently optimize CPU and GPU power settings for various applications, aiming to provide optimal performance and efficiency. Users may configure or disable this feature based on their preferences.

4. Audio System

Equipped with Nahimic 3D Audio, the laptop delivers an immersive sound experience for gaming and multimedia consumption.

5. Battery Management

The GIGABYTE AERO 15-X9-9RT5 features a 94.24Wh battery, providing an average battery life of up to 8 hours under typical usage conditions. For optimal battery longevity, it is recommended to avoid frequent full discharges and to store the laptop in a cool, dry place when not in use for extended periods.

MAINTENANCE

1. Cleaning

- Use a soft, lint-free cloth slightly dampened with water or a screen cleaner to clean the display.
- For the chassis and keyboard, use a soft, dry cloth. Avoid harsh chemicals or abrasive materials.
- Periodically clean the cooling vents to prevent dust buildup, which can affect performance and thermal

management.

2. Software Updates

Regularly update your Windows operating system, device drivers (especially graphics drivers from NVIDIA and Intel), and GIGABYTE utilities to ensure optimal performance, security, and compatibility.

3. Thermal Management

This laptop is a high-performance device and can generate significant heat during intensive tasks. Ensure proper ventilation by using it on a hard, flat surface. Avoid blocking the air vents. Using the laptop on soft surfaces like beds or laps for extended periods during heavy load is not recommended.

TROUBLESHOOTING

1. Performance Issues

- If experiencing unexpected slowdowns or stuttering, ensure all drivers are up to date.
- Check background applications and processes that might be consuming system resources.
- Consider disabling or reconfiguring the Microsoft Azure AI if it interferes with specific applications, as noted by some users.

2. Network Connectivity Problems

If you encounter internet connectivity issues, particularly with Wi-Fi, check the settings in the Killer Control Center. Some users have reported that disabling "Advanced Stream Detect" within this software can resolve connectivity problems.

3. Overheating

If the laptop feels excessively hot, especially on the underside, ensure that the cooling vents are clear and unobstructed. Consider using a laptop cooling pad for prolonged heavy usage.

4. General Issues

For persistent issues, a fresh installation of Windows 10, followed by manual installation of essential drivers (NVIDIA, Intel), has been reported by some users to improve overall system stability and performance by removing pre-installed bloatware.

SPECIFICATIONS



A front view of the GIGABYTE AERO 15-X9-9RT5 laptop, showcasing its thin bezel display and overall sleek design. The screen displays "AERO" branding and "European Hardware Awards 2019 Best Notebook" and "Color Calibration Certified" badges.

GIGABYTE AERO 15-X9-9RT5 Technical Specifications

Feature	Specification
Model Name	AERO 15-X9-9RT5
Display	15.6" Thin Bezel FHD LG 144Hz IPS Anti-Glare (1920x1080 pixels), X-Rite Pantone Certified
Processor	Intel Core i9-8950HK (2.9Ghz-4.8GHz, 6 Cores)
Graphics	NVIDIA GeForce RTX 2070 GDDR6 8GB (Supports NVIDIA Optimus)
RAM	16GB DDR4 2666MHz Samsung DRAM (SO-DIMM)
Storage	1TB M.2 NVMe PCIe Intel 760P SSD
Operating System	Windows 10 Home
Wireless Connectivity	Intel Wi-Fi (802.11ac), Bluetooth
Ports	3x USB 3.0, Thunderbolt 3 (Type-C), HDMI 2.0, DP 1.4 (Type-C), RJ-45, SD Card Reader, Combo Audio Jack
Audio	Nahimic 3D Audio
Battery	94.24Wh Lithium Polymer (up to 8 hours average life)
Power Adapter	230W
Keyboard	Per-key RGB backlit programmable keyboard

Feature	Specification
Dimensions (LxWxH)	14 x 9.8 x 0.74 inches
Weight	4.49 lbs (approx. 2.04 kg)
Color	Black



This image highlights the slim profile and lightweight design of the GIGABYTE AERO 15-X9-9RT5, indicating its weight at 4.4 lbs and thickness at 0.74 inches.

WARRANTY AND SUPPORT

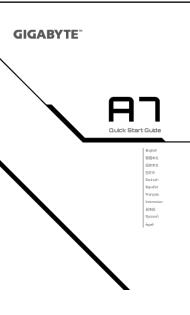
1. Warranty Information

The GIGABYTE AERO 15-X9-9RT5 comes with a **1 Year Global Warranty**. Please retain your proof of purchase for warranty claims. For detailed terms and conditions, refer to the warranty card included in your product packaging or visit the official GIGABYTE website.

2. Technical Support

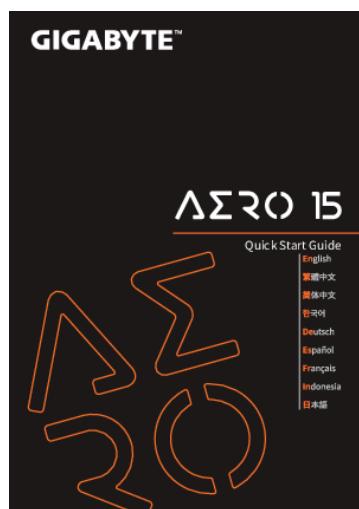
For technical assistance, driver downloads, or further support, please visit the official GIGABYTE support website. You can also refer to the comprehensive User Manual available in PDF format for more in-depth information:

Related Documents - AERO 15-X9-9RT5

	<p>MSI Thin 15 Gaming Laptop Quick Guide</p> <p>A quick guide for the MSI Thin 15 Gaming Laptop, featuring Intel Core i7-13620H, 16GB RAM, 1TB SSD, and NVIDIA GeForce RTX 4050 Graphics.</p>
	<p>MSI Katana 15 HZ Gaming Laptop Quick Guide</p> <p>This quick start guide provides essential information for the MSI Katana 15 HZ Gaming Laptop, covering product overview, connecting the AC power, and utilizing function keys. It includes descriptions of ports and indicators for easy reference.</p>
	<p>Dell G5 15 5500 Setup and Specifications Guide</p> <p>Comprehensive setup guide and technical specifications for the Dell G5 15 5500 laptop, covering hardware details, ports, performance, and support resources.</p>
	<p>MSI Katana GF66 11UG-834IT Gaming Laptop Quick Start Guide</p> <p>A comprehensive quick start guide for the MSI Katana GF66 11UG-834IT gaming laptop. Learn about product overview, essential connections, and function key operations for optimal performance.</p>
	<p>GIGABYTE A7 Notebook: Quick Start Guide</p> <p>Get started quickly with your GIGABYTE A7 notebook. This guide provides essential setup instructions, hardware overview, hotkey explanations, and system backup/recovery information for your GIGABYTE A7 laptop.</p>



Documents - GIGABYTE – AERO 15-X9-9RT5



[\[pdf\] User Manual](#)

GIGABYTE AERO 15 X9 9RT5 Thin Bezel FHD LG 144Hz IPS Intel i9 8950HK NVIDIA GeForce RTX

2070 16GB RAM M 2 PCIe 1TB SSD RGB KB Win10 Metal Chassis Ultra Slim Gaming Laptop

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