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> [GIGABYTE AORUS 15 \(2024\) Gaming Laptop User Manual - Model BKG-13US754SH](#)

GIGABYTE AORUS 15 BKG-13US754SH

GIGABYTE AORUS 15 (2024) Gaming Laptop User Manual

Model: AORUS 15 BKG-13US754SH

1. INTRODUCTION

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your GIGABYTE AORUS 15 (2024) Gaming Laptop. Please read this manual thoroughly to ensure proper use and to maximize the performance and lifespan of your device.



Front view of the GIGABYTE AORUS 15 Gaming Laptop with the screen powered on.

2. PACKAGE CONTENTS

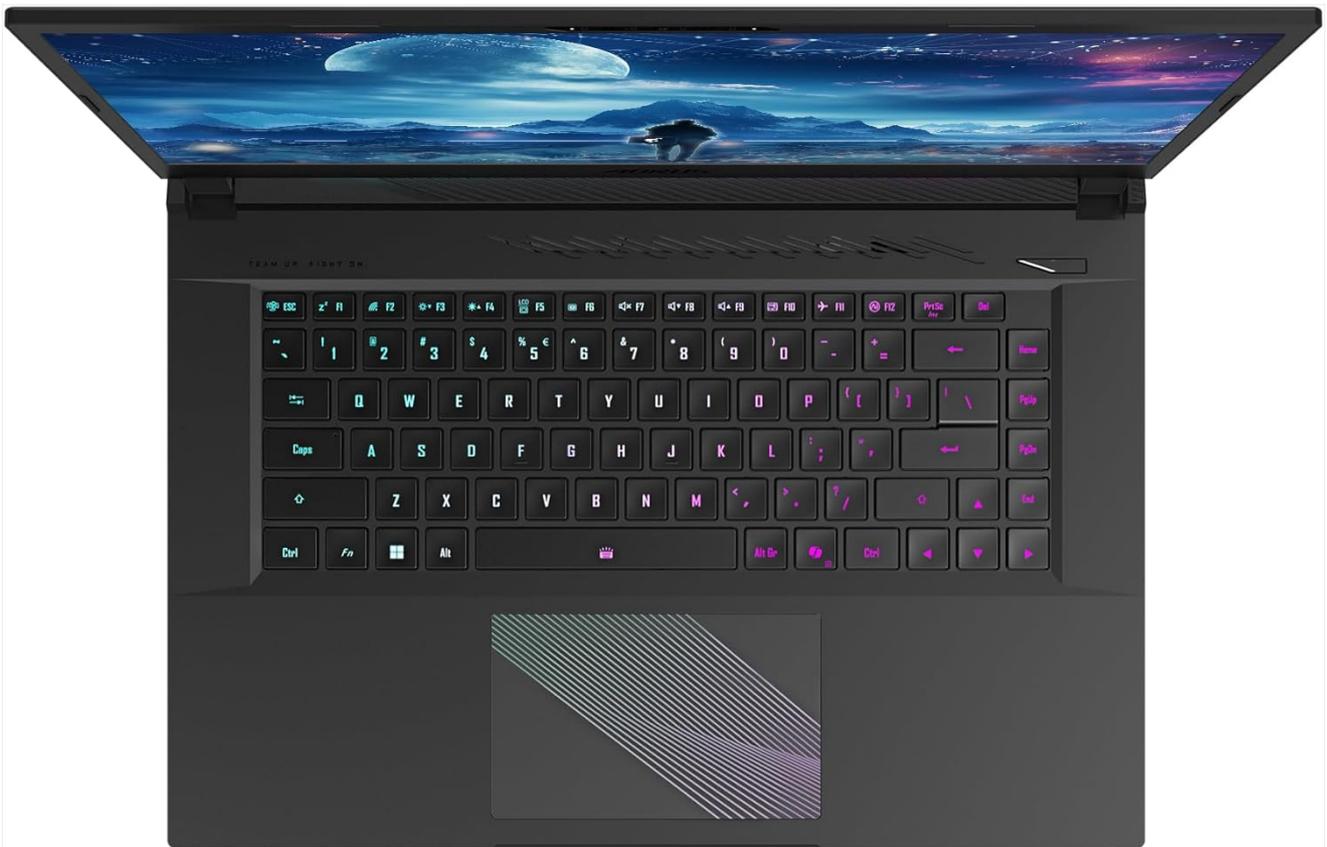
Verify that all items are present in your product package:

- GIGABYTE AORUS 15 Gaming Laptop
- Battery Pack
- Power Adapter (Charger)
- Quick Start Guide (if included)

3. PRODUCT OVERVIEW

3.1. Laptop Layout

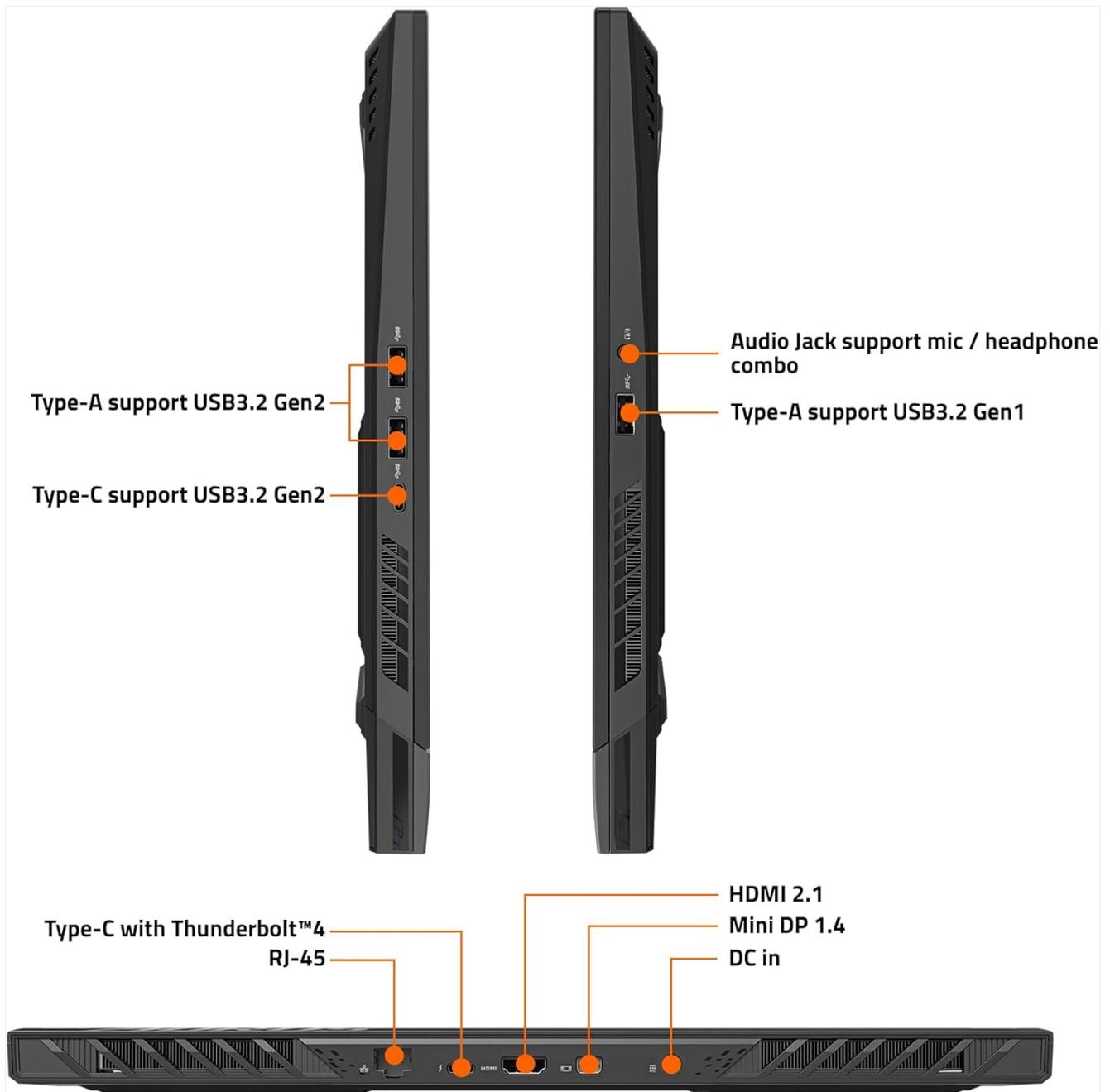
Familiarize yourself with the key components and features of your AORUS 15 laptop.



Top-down view of the GIGABYTE AORUS 15 keyboard and touchpad.

3.2. Port Identification

The following diagram illustrates the various ports available on your laptop for connecting external devices.



Detailed diagram of the GIGABYTE AORUS 15 laptop ports.

- **Left Side:** Audio Jack (support mic/headphone combo), Type-A USB3.2 Gen1, Type-A USB3.2 Gen2, Type-C USB3.2 Gen2
- **Right Side:** Type-A USB3.2 Gen1, Type-C USB3.2 Gen2
- **Rear Side:** RJ-45 (Ethernet), Type-C with Thunderbolt™ 4, HDMI 2.1, Mini DP 1.4, DC-in (Power)

4. SETUP

4.1. Connecting the Power Adapter

1. Connect the power adapter cable to the DC-in port on the rear of the laptop.
2. Plug the power adapter into a grounded electrical outlet.

4.2. Initial Boot and Windows Setup

1. Open the laptop lid and press the power button.
2. Follow the on-screen instructions to complete the Windows 11 Home AD setup process. This includes

selecting your region, connecting to a Wi-Fi network (Intel Wi-Fi 6E supported), and creating a user account.

3. Allow the system to download and install any necessary updates after the initial setup. This may take some time.

5. OPERATING INSTRUCTIONS

5.1. Keyboard and Touchpad

The laptop features a backlit keyboard and a precision touchpad. Utilize the Fn (Function) key in combination with the F-keys for quick access to system functions such as volume control, display brightness, and keyboard backlight adjustments.

5.2. Display Settings

Your AORUS 15 is equipped with a 15.6-inch QHD (2560x1440) 165Hz display. To adjust display settings:

- Right-click on the desktop and select "Display settings".
- Under "Advanced display settings", you can change the refresh rate to 165Hz for smoother visuals.

5.3. Performance and AI Features

The laptop integrates an Intel Core Ultra 7 155H processor with an NPU (Neural Processing Unit) and an NVIDIA GeForce RTX 4060 Laptop GPU. These components work together to accelerate AI applications and enhance gaming performance. System utilities provided by GIGABYTE may allow you to switch between different performance profiles to optimize for tasks such as gaming, content creation, or power efficiency.

5.4. Connectivity

The laptop supports Intel Wi-Fi 6E for high-speed wireless internet and Bluetooth V5.2 for connecting wireless peripherals.

6. MAINTENANCE AND CARE

6.1. Cleaning

- Use a soft, lint-free cloth to clean the screen and exterior surfaces.
- For stubborn marks, slightly dampen the cloth with water or a screen cleaner. Avoid harsh chemicals.
- Regularly clean the keyboard and ventilation grilles to prevent dust buildup. Use compressed air for vents.

6.2. Battery Care

- Avoid fully discharging the battery frequently.
- If storing the laptop for an extended period, ensure the battery is charged to approximately 50-60%.
- Use only the original GIGABYTE power adapter.

6.3. Software Updates

Keep your operating system, drivers, and GIGABYTE utilities updated to ensure optimal performance and security. Regularly check for updates through Windows Update and GIGABYTE's official support website.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your laptop.

7.1. Power Issues

- **Laptop does not turn on:** Ensure the power adapter is securely connected to both the laptop and a working electrical outlet. Check if the power outlet is functional.
- **Battery not charging:** Verify the power adapter connection. If the issue persists, try a different outlet.

7.2. Display Problems

- **No image on screen:** Connect an external monitor to check if the issue is with the laptop's display. Ensure the display is not set to an external output only (use Fn+F key combination to cycle display modes).

7.3. Performance Issues

- **System is slow or unresponsive:** Close unnecessary applications. Check Task Manager for processes consuming high CPU or RAM. Ensure adequate ventilation to prevent overheating.
- **Driver-related issues:** If experiencing system instability or blue screens after driver updates, consider rolling back the driver to a previous version or performing a clean installation of the latest drivers from the GIGABYTE support website.

8. TECHNICAL SPECIFICATIONS

The following table outlines the key technical specifications for the GIGABYTE AORUS 15 BKG-13US754SH model:

Feature	Specification
Model Name	AORUS 15 BKG-13US754SH
Processor	Intel Core Ultra 7 155H (2.2 GHz)
Graphics Coprocessor	NVIDIA GeForce RTX 4060
Graphics Card RAM Size	8GB GDDR6
RAM	16GB DDR5 (2x8GB)
Memory Speed	5600 MHz
Storage	1TB SSD (Gen4 M.2)
Screen Size	15.6 Inches
Screen Resolution	2560 x 1440 pixels (QHD)
Max Screen Resolution	2560x1600 Pixels
Refresh Rate	165Hz
Operating System	Windows 11 Home AD
Wireless Type	802.11ax (Wi-Fi 6E), Bluetooth V5.2
USB 3.0 Ports	2
Item Weight	9.73 pounds
Product Dimensions	14.01 x 10 x 1.06 inches
Color	Black

Feature	Specification
Special Feature	Backlit Keyboard

9. WARRANTY AND SUPPORT

Your GIGABYTE AORUS 15 laptop comes with a manufacturer's warranty. Please refer to the warranty card included in your package or visit the official GIGABYTE website for detailed warranty terms and conditions.

For technical support, driver downloads, and further assistance, please visit the official GIGABYTE support website. You may need your product's serial number for support inquiries.

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