

ASUS G615JMR-AS74

ASUS ROG Strix G16 (2025) Gaming Laptop User Manual

Model: G615JMR-AS74 | Brand: ASUS

1. INTRODUCTION AND OVERVIEW

This manual provides comprehensive instructions for setting up, operating, maintaining, and troubleshooting your ASUS ROG Strix G16 (2025) Gaming Laptop. Designed for high-performance gaming, this laptop features advanced components and cooling solutions to deliver an exceptional user experience.

The ROG Strix G16 is equipped with an Intel® Core™ i7 Processor 14650HX and an NVIDIA® GeForce RTX™ 5060 Laptop GPU, ensuring smooth gameplay and efficient performance for demanding applications. Its 16-inch FHD+ 165Hz/3ms display provides stunning visuals and fluid motion. With 16GB DDR5 memory and a 1TB PCIe 4.0 SSD, the system offers fast multitasking and ample storage. Advanced ROG Intelligent Cooling, an esports-ready keyboard, Dolby Atmos audio, and customizable RGB Aura Light Bar enhance the overall gaming experience. Tool-free access to RAM and SSD allows for easy upgrades.



Image 1.1: Front view of the ASUS ROG Strix G16 (2025) Gaming Laptop with its display showing the ROG Strix logo and a colorful keyboard backlight.

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Video 1.1: This video provides a general overview of the ROG Strix product, highlighting its key features and design.

2. WHAT'S IN THE BOX

Verify that all items are present in the packaging:

- ASUS ROG Strix G16 (2025) Gaming Laptop (Model: G615JMR-AS74)
- Power Cord and Adapter
- User Guide (this document)

3. SETUP GUIDE

3.1 Initial Setup

1. **Unpack the Laptop:** Carefully remove the laptop and all accessories from the packaging.
2. **Connect Power:** Plug the power adapter into the laptop's power port and then into a wall outlet. Ensure the power indicator light illuminates.
3. **First Boot:** Open the laptop lid and press the power button. The system will guide you through the initial Windows 11 Home setup process, including language selection, network connection, and user account creation.

3.2 Connecting Peripherals

The ROG Strix G16 offers various ports for connecting external devices:

- **USB 3.0 Ports (x3):** For connecting USB devices such as mice, keyboards, and external storage drives.
- **HDMI 2.1:** Connect to external monitors or TVs for extended display.
- **Thunderbolt™ 4 (USB Type-C):** High-speed data transfer, display output, and power delivery.
- **2.5G Ethernet Port:** For wired network connections.
- **Audio Jack:** For headphones or external speakers.



Image 3.1: Diagram showing the various connectivity ports on the ASUS ROG Strix G16 laptop, including HDMI, Thunderbolt 4, Ethernet, USB 3.0, and Audio Jack.

4. OPERATING INSTRUCTIONS

4.1 Keyboard and Touchpad

The laptop features a full-size keyboard with 4-Zone RGB backlighting and dedicated gaming hotkeys. The touchpad supports multi-touch gestures for navigation.

PRESS THE ATTACK

4-Zone
RGB

Full-Size
Keyboard

Gaming
Hotkeys



Image 4.1: Top-down view of the ASUS ROG Strix G16 keyboard with its 4-Zone RGB lighting and gaming hotkeys.

4.2 Display Features

The 16-inch FHD+ display boasts a 165Hz refresh rate and 3ms response time for smooth visuals. It features 100% sRGB coverage and 300 nits peak brightness. The new ACR film enhances contrast and reduces glare, providing a clear view from various angles.

DYNAMIC DISPLAY

165Hz / 3ms
Refresh Rate

100% sRGB
Coverage

300 nits
Peak Brightness

ACR
Technology

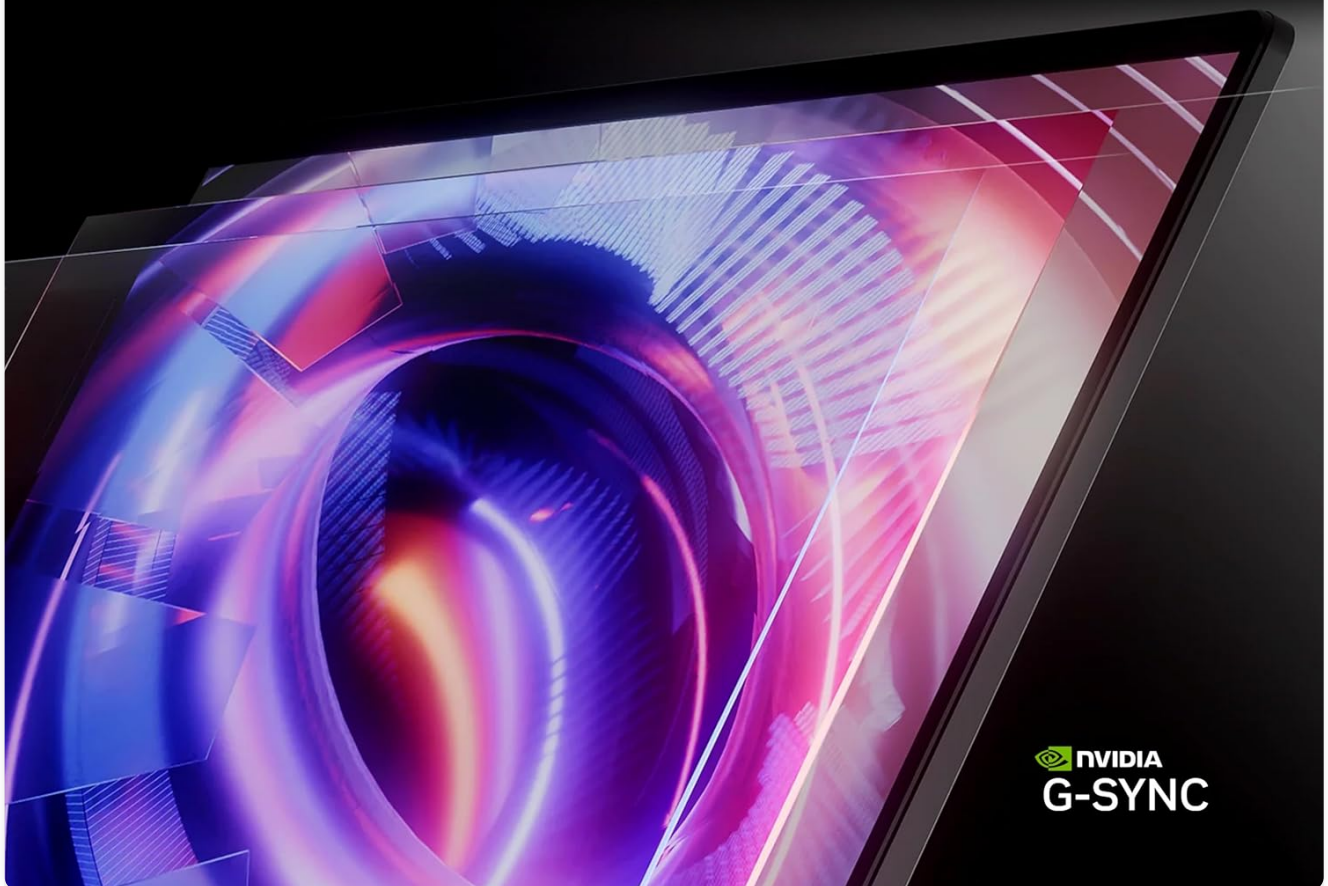


Image 4.2: Close-up of the ASUS ROG Strix G16 display highlighting its dynamic display features like 165Hz/3ms refresh rate, 100% sRGB, 300 nits brightness, and ACR Technology.

4.3 Audio System

Experience immersive audio with Smart Amp Technology, 5.1.2 Channel Virtual Surround Sound, Dolby Atmos support, and Two-Way AI Noise Cancellation for clear communication.

STUDIO-QUALITY SOUND

Smart Amp
Technology

5.1.2 Channel
Virtual Surround Sound

Two-Way
AI Noise Cancellation



Image 4.3: The ASUS ROG Strix G16 laptop with text highlighting its studio-quality sound features including Smart Amp Technology, 5.1.2 Channel Virtual Surround Sound, Dolby Atmos, and Two-Way AI Noise Cancellation.

4.4 Wireless Connectivity

The laptop supports Wi-Fi 7 for faster internet speeds and robust wireless connections.

ALL THE BANDWIDTH

2.4X Faster
Wi-Fi 7

2.5G Lan
Faster Internet

FHD+IR Camera
With Windows Hello

90Wh
Battery

Rapid
Type-C
Charging



Image 4.4: The ASUS ROG Strix G16 laptop with text indicating its Wi-Fi 7, 2.5G Lan, FHD+IR Camera, 90Wh Battery, and Rapid Type-C Charging capabilities.

5. MAINTENANCE

5.1 Cleaning Your Laptop

To maintain optimal performance and appearance, regularly clean your laptop:

- Use a soft, lint-free cloth to wipe the screen and chassis.
- For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner.
- Use compressed air to clear dust from keyboard keys and ventilation grilles.
- Ensure the laptop is powered off and unplugged before cleaning.

5.2 Upgradability

The ROG Strix G16 features a tool-free design for easy access to RAM and SSD components. This allows for quick and simple upgrades without the need for specialized tools.

PIT STOP LIKE UPGRADABILITY

Tool-free design

Q-Latch System

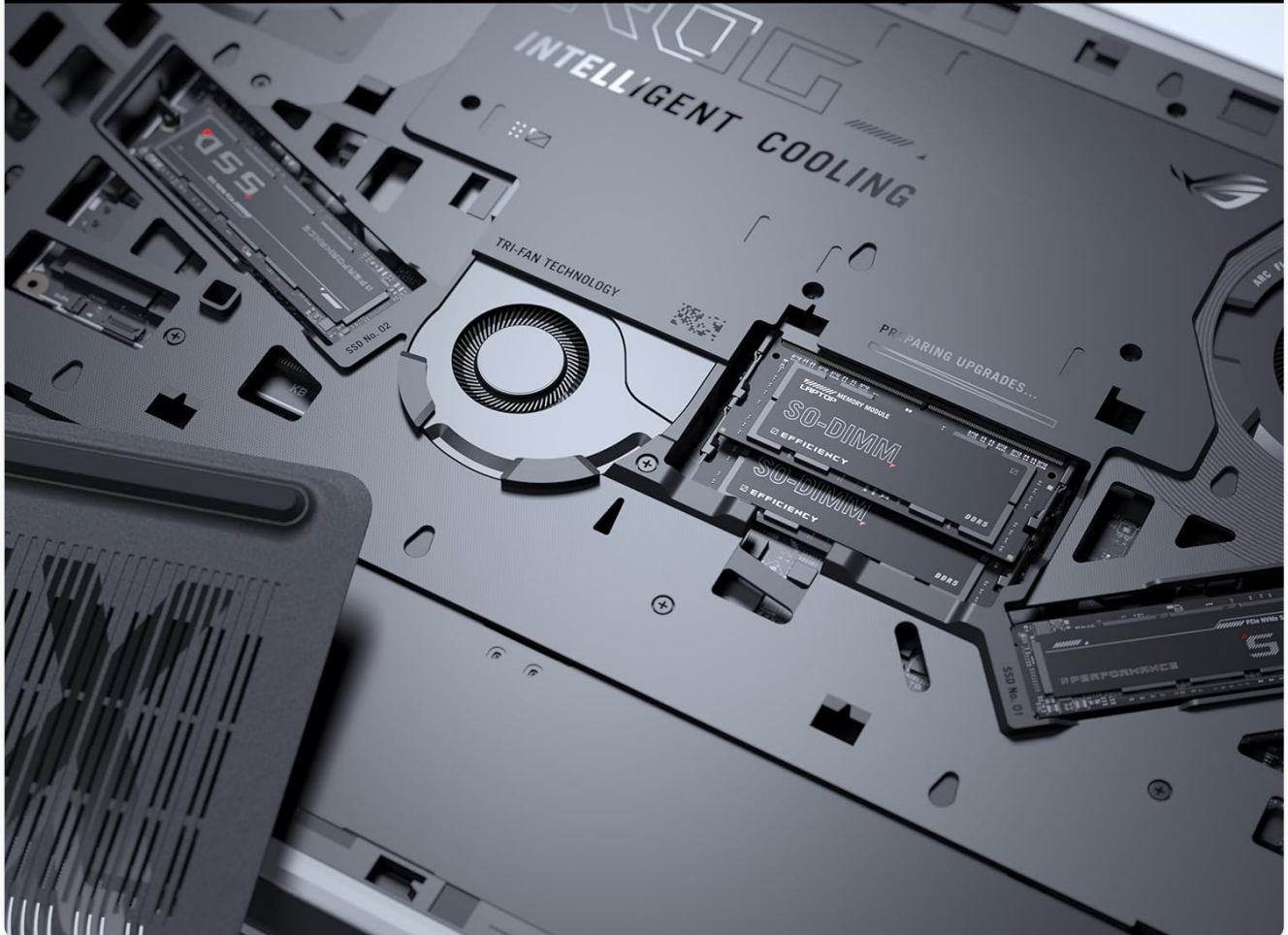


Image 5.1: The underside of the ASUS ROG Strix G16 laptop showing the tool-free access panel and the Q-Latch System for easy SSD and RAM upgrades.

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Video 5.1: This video demonstrates the ASUS ROG gaming laptop's Q-Latch Design, showcasing the tool-less access for easy removal and replacement of the SSD.

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Video 5.2: This video illustrates the tool-less access feature of the ASUS ROG gaming laptop, demonstrating how to easily access internal components for upgrades.

6. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your ASUS ROG Strix G16 laptop.

6.1 Power and Boot Issues

- **Laptop does not turn on:** Ensure the power adapter is securely connected to both the laptop and a working power outlet. Check the power indicator light. If using battery, ensure it is charged.

- **Laptop turns on but no display:** Connect an external monitor to verify if the issue is with the laptop's display. Try restarting the laptop.

6.2 Performance Issues

- **Slow performance:** Close unnecessary applications. Check for background processes consuming high CPU/RAM. Ensure drivers are up to date. Verify sufficient free space on the SSD.
- **Overheating:** Ensure ventilation grilles are clear of obstructions. Use the ROG Intelligent Cooling features to optimize fan speeds. Consider using a cooling pad.

6.3 Connectivity Problems

- **Wi-Fi connection issues:** Restart your router and modem. Ensure Wi-Fi is enabled on the laptop. Update Wi-Fi drivers.
- **Peripheral not recognized:** Ensure the peripheral is properly connected to the correct port. Try a different port. Update or reinstall drivers for the peripheral.

7. SPECIFICATIONS

Feature	Detail
Brand	ASUS
Model Name	ROG Strix G16 (G615JMR-AS74)
Operating System	Windows 11 Home
Screen Size	16 Inches FHD+ (165Hz/3ms)
Processor	Intel® Core™ i7 Processor 14650HX (5.2 GHz)
Graphics Card	NVIDIA® GeForce RTX™ 5060 Laptop GPU
RAM	16GB DDR5-5600MHz
Storage	1TB PCIe Gen 4 SSD
Connectivity	Wi-Fi 7, 2.5G Ethernet, Thunderbolt™ 4 (USB Type-C), USB 3.0 (x3), HDMI 2.1, Audio Jack
Battery	90Wh (1 12V battery included)
Item Weight	10.85 pounds
Product Dimensions	13.94 x 0.9 x 10.55 inches
Color	Eclipse Gray

8. WARRANTY AND SUPPORT

ASUS provides comprehensive support for your ROG Strix G16 laptop:

- **Standard Warranty:** Every ROG laptop includes a 12-month warranty as standard. This covers expert support, thorough diagnostics, and genuine parts if a repair is needed.

- **Accidental Damage Protection (ADP):** ASUS offers one year of free Accidental Damage Protection (ADP) against liquid spills, drops, and electrical surges on new laptops registered within 60 days of purchase.
- **Warranty Replacement Parts:** A 90-day warranty is provided on all warranty replacement parts, ensuring hassle-free repairs.

For further assistance, please visit the official ASUS support website or contact their customer service.

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For the latest information and updates, please refer to the official ASUS website.