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ASUS G815LP-XS97

ASUS ROG Strix G18 (2025) Gaming Laptop User Manual

Model: G815LP-XS97

INTRODUCTION

Welcome to the user manual for your ASUS ROG Strix G18 (2025) Gaming Laptop. This document provides essential information to help you set up, operate, maintain, and troubleshoot your device. The ROG Strix G18 is engineered for high-performance gaming and demanding creative tasks, featuring an Intel Core Ultra 9 275HX processor, NVIDIA GeForce RTX 5070 GPU, and an 18-inch ROG Nebula Display.



Figure 1: ASUS ROG Strix G18 (2025) Gaming Laptop

SETUP

Follow these steps for initial setup of your laptop:

1. **Unboxing:** Carefully remove the laptop and all accessories from the packaging. Ensure all components listed in the 'What's in the Box' section are present.
2. **Power Connection:** Connect the power adapter to the laptop's power port and then to a power outlet. It is recommended to fully charge the battery before first use.
3. **Initial Boot:** Open the laptop lid and press the power button. The system will guide you through the Windows 11 Pro setup process.
4. **Network Connection:** During setup, connect to a Wi-Fi network or use an Ethernet cable for internet access to complete Windows updates and driver installations.
5. **Peripheral Connection:** Connect any external peripherals such as a mouse, keyboard, or external display to the available ports.

OPERATING YOUR LAPTOP

Display

The ROG Strix G18 features an 18-inch ROG Nebula Display with a 16:10 aspect ratio, 2.5K resolution, and a rapid 240Hz refresh rate with a 3ms response time. This display incorporates ACR film for enhanced contrast and reduced

glare, and supports NVIDIA G-SYNC for tear-free gaming. It also boasts 100% DCI-P3 color gamut coverage, making it suitable for both gaming and professional content creation.

CUTTING-EDGE PERFORMANCE

Experience next-level performance with Windows 11 Pro, an Intel® Core™ Ultra 9 275HX processor, and an NVIDIA® GeForce RTX™ 5070 Laptop GPU.

THE NEED FOR SPEED

Windows 11 Pro
OS

Intel® Core™
Ultra 9 275HX
Processor

NVIDIA® GeForce
RTX 5070
Laptop GPU

NVIDIA®
Advanced
Optimus

32GB
DDR5 Memory

2TB PCIe 4.0
SSD Storage

Figure 2: ROG Nebula Display Technology

Keyboard and Touchpad

The laptop is equipped with a full-size chiclet-style keyboard featuring per-key RGB lighting, which can be customized to your preference. The large touchpad provides precise and responsive control for navigation and gestures.

ALL THE BANDWIDTH

2.4X Faster
Wi-Fi 7

2.5G Lan
Faster Internet

TBT 4

FHD+IR Camera
With Windows Hello

90Wh
Battery

Rapid
Type-C
Charging



Figure 3: Customizable RGB Keyboard

Performance

Powered by an Intel Core Ultra 9 275HX processor and an NVIDIA GeForce RTX 5070 laptop GPU, the ROG Strix G18 delivers exceptional performance for gaming, streaming, and demanding applications. It includes 32GB of DDR5-5600MHz RAM and a 2TB PCIe Gen 4 SSD for fast loading times and seamless multitasking.



Figure 4: Core Performance Components

Cooling System

The advanced ROG Intelligent Cooling system ensures optimal thermal management during intense usage. It features an end-to-end vapor chamber, a sandwiched heatsink design, and Tri-Fan technology to keep components cool and maintain peak performance.



Figure 5: ROG Intelligent Cooling

Audio

Experience immersive audio with Dolby Atmos, Smart Amp Technology, 5.1.2 Channel Virtual Surround Sound, and Two-Way AI Noise Cancellation. The system is also Hi-Res Audio certified for superior sound quality.

Connectivity

The laptop offers comprehensive connectivity options including Wi-Fi 7 for fast wireless speeds, a 2.5G Ethernet port, HDMI 2.1, Thunderbolt 4 (USB Type-C), multiple USB 3.2 Gen2 Type-A ports, and an audio jack.



Figure 6: Connectivity Ports (Left Side)

PIT STOP LIKE UPGRADABILITY

Tool-less design

32GB
DDR5 Memory

2TB PCIe 4.0

Q-Latch System

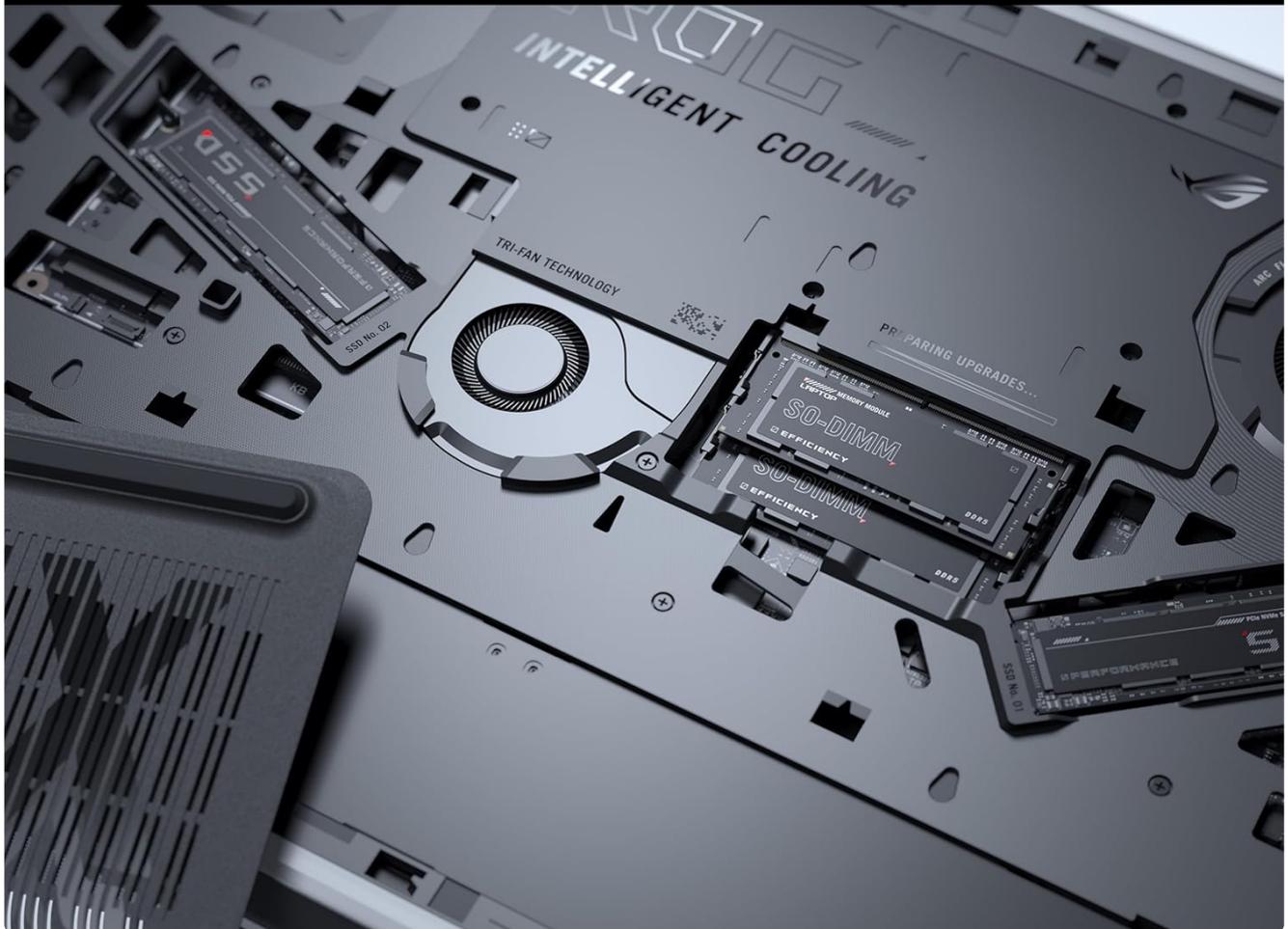


Figure 7: Connectivity Ports (Right Side)

Battery

The integrated 90Wh battery supports rapid Type-C charging, providing flexibility and convenience for on-the-go usage. Battery life will vary depending on usage patterns and system load.

MAINTENANCE AND UPGRADES

The ROG Strix G18 is designed for easy maintenance and upgrades, allowing users to enhance performance and storage capacity.

Tool-less Access for Upgrades

The laptop features a tool-less access design, including a Q-Latch System, which allows for quick and easy removal of the bottom panel to access the RAM and SSD slots. This simplifies upgrades without requiring specialized tools.

STATE-OF-THE-ART ROG INTELLIGENT COOLING

ROG's advanced thermals keep your system cool, quiet and comfortable. State of the art cooling equals best in class performance. Featuring an end-to-end vapor chamber, sandwiched heatsink design, and Tri-Fan technology.



Figure 8: Tool-less Access for Upgrades

For visual guidance on upgrading components, refer to the official video below:

Video 1: ASUS ROG Gaming Laptop Tool-less Access

The laptop includes two DDR5 DIMM slots and two M.2 PCIe Gen 4 SSD slots, providing ample opportunity for memory and storage expansion.

Video 2: ASUS ROG Gaming Laptop Q-Latch Design

General Cleaning

Regularly clean the laptop's screen, keyboard, and ventilation grilles to ensure optimal performance and longevity. Use a soft, lint-free cloth for the screen and compressed air for dust removal from vents.

TROUBLESHOOTING

If you encounter issues with your ASUS ROG Strix G18, consider the following general troubleshooting steps:

- **No Power:** Ensure the power adapter is securely connected and the power outlet is functional. Try a different outlet or adapter if available.
- **Display Issues:** Check external display connections. Update graphics drivers. Adjust display settings in Windows.
- **Performance Lag:** Close unnecessary applications. Ensure drivers are up to date. Check for system updates. Monitor temperatures to prevent thermal throttling.
- **Connectivity Problems:** Restart your router/modem. Reconnect to the Wi-Fi network. Update network drivers.
- **Software Issues:** Perform a system restart. Check for Windows updates. Reinstall problematic software.

For persistent issues, refer to the ASUS support website or contact customer service.

SPECIFICATIONS

| Feature | Specification |
|-------------------------|------------------------------------|
| Brand | ASUS |
| Model Name | ROG Strix G18 |
| Item Model Number | G815LP-XS97 |
| Operating System | Windows 11 Pro |
| Screen Size | 18 Inches |
| Screen Resolution | 2560 x 1600 pixels (2.5K) |
| Max Screen Resolution | 2560x1600 Pixels |
| Processor | Intel Core Ultra 9 275HX (5.4 GHz) |
| Number of Processors | 24 |
| RAM | 32 GB DDR5 (5600 MHz) |
| Hard Drive | 2000 GB SSD (PCIe Gen 4) |
| Graphics Coprocessor | NVIDIA GeForce RTX 5070 |
| Graphics Card Ram Size | 8 GB |
| Wireless Type | 802.11ax (Wi-Fi 7) |
| Number of USB 3.0 Ports | 3 |
| Item Weight | 12.57 pounds |
| Product Dimensions | 15.71 x 0.93 x 11.73 inches |
| Color | Eclipse Gray |
| Special Feature | Backlit Keyboard |

WARRANTY AND SUPPORT

Your ASUS ROG Strix G18 laptop comes with a standard 12-month warranty. This warranty provides expert support, thorough diagnostics, and genuine parts if a repair is needed. Additionally, a 90-day warranty is provided on all warranty replacement parts.

ASUS also offers one year of free Accidental Damage Protection (ADP) against liquid spills, drops, and electrical surges for new laptops registered within 60 days of purchase. Please visit the official ASUS website for more details on warranty terms and to register your product.

For technical support, driver downloads, and further assistance, please visit the [ASUS Support Website](#).