

ASUS G635LX

ASUS ROG Strix Scar 18 G835 Gaming Laptop User Manual

Model: G635LX

1. INTRODUCTION

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your ASUS ROG Strix Scar 18 G835 gaming laptop. Please read this manual thoroughly to ensure proper usage and to maximize the performance and longevity of your device.

The ASUS ROG Strix Scar 18 G835 is a high-performance gaming laptop designed for demanding applications and immersive gaming experiences. Key features include:

- **High Speed RAM And Enormous Space:** 64GB high-bandwidth DDR5 RAM and 2TB PCIe M.2 Solid State Drive for fast performance and ample storage.
- **Powerful Processor:** Intel Core Ultra 9 275HX (24 Cores, 24 Threads, up to 5.40GHz) with NVIDIA GeForce RTX 5090 (24GB GDDR7).
- **Stunning Display:** 18" ROG Nebula HDR Display, WQXGA (2560 x 1600), Mini LED, 240Hz, 3ms Response Time.
- **Advanced Connectivity:** 2 x Thunderbolt 5, 3 x USB 3.2 Gen 2 Type-A, RJ-45, HDMI, Wi-Fi 7 & Bluetooth.
- **Operating System:** Windows 11 Pro.



Image 1.1: ASUS ROG Strix Scar 18 G835 Gaming Laptop with included PCO Laptop Cooler and Windows 11 Pro software.

2. PRODUCT FEATURES

2.1 Design and Display

The ROG Strix Scar 18 features a sleek design with a focus on performance and aesthetics. The 18-inch ROG Nebula HDR display provides exceptional visual clarity and color accuracy, crucial for both gaming and content creation.

ROG STRIX SCAR 18

Victory, accelerated.



- High performance processor support
- AI accelerates creation
- Strong gaming performance



Image 2.1: Rear view of the ASUS ROG Strix Scar 18 laptop, emphasizing its design and core capabilities.

YOUR ULTIMATE PIT STOP

We've completely redesigned the 2025 Strix SCAR 16 to make upgrades easier than ever. This tool-less design allows for simple access to both the RAM, SSD, and fans, and we've also brought our latest Q-latch system here for those SSD slots. Like an experienced pit crew, you can remove and replace your SSD and RAM in seconds, having the machine back up and running without missing a lap. A specially designed frame covers the rest of the mainboard to protect the other components, but can easily be removed with a few screws for users who want to tinker further.



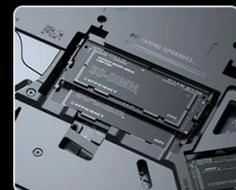
Q-Latch System
M.2 SSDs are incredibly small and versatile



Storage Upgrade
ultra-fast PCIe Gen 4 storage



Limitless Connectivity
dual Thunderbolt 5 ports,



RAM Upgradability
up to 64GB of DDR5 6400MHz RAM

Image 2.2: ROG Nebula HDR Mini LED Panel with ACR Technology for superior viewing angles and contrast.

2.2 Performance Hardware

Equipped with cutting-edge components, the Strix Scar 18 delivers powerful performance for the most

demanding tasks.



The image features a central graphic of an Intel Core Ultra 9 processor. The processor is shown in a 3D perspective, with a blue glow and the 'intel' logo on its top surface. It is mounted on a dark, textured surface, possibly a laptop chassis, with a cooling fan visible below. The background is dark with a grid pattern. Below the processor, four specifications are listed in a row, each in a white box with a blue header:

24 Total Cores	24 Total Threads	36 MB Intel Smart Cache	5.4 GHz Max Turbo Frequency
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Image 2.3: Intel Core Ultra 9 275HX processor specifications.

GEFORCE
RTX 5090
BEYOND FAST

- 32 GB GDDR7
- 21760 NVIDIA CUDA Cores
- 2.41(GHz) Boost Clock
- 512-bit Memory Interface Width



Image 2.4: NVIDIA GeForce RTX 5090 Laptop GPU specifications.

Video 2.1: Official ASUS ROG Strix SCAR product overview video. This video highlights key features such as tool-less access for upgrades, intelligent cooling, and display technology.

2.3 Cooling System

The ROG Intelligent Cooling system is designed to maintain optimal temperatures during intense gaming sessions, ensuring stable performance and longevity of components.

ROG INTELLIGENT COOLING

We relocated all of the exhaust vents to the rear of the hinge, keeping warm air away from your mousing hand. The sides and bottom of the machine act as an air intake, creating a natural, efficient path for airflow. Air also flows through the keyboard deck, keeping your hands cooler during intense gaming sessions.



Up to
15°C Cooler
CPU Temperatures

Vapor Chamber
End-to-end

Tri-Fan
Technology

Sandwiched
Heatsink design

Conductionaut
extreme
ULTRA HIGH PERFORMANCE
LIQUID METAL COMPOUND

Image 2.5: ROG Intelligent Cooling system overview.

2.4 Connectivity

The laptop offers a comprehensive array of ports for connecting peripherals, external displays, and network devices.

INCREDIBLE I/O

Ports allow you to connect your mouse, headset, or even an external monitor, so we gave the Strix SCAR 16 an incredibly flexible I/O that can adapt to any situation. On the right side you'll find two USB-A ports, but the left side offers the bulk of the connections, with an audio jack, dual Thunderbolt™ 5 ports (USB Type-C), a single USB-A, HDMI 2.1, a 2.5G ethernet port, and the power port. If you can imagine your ideal battlestation, the Strix SCAR 16 can make it a reality.



x3

USB 3.2 Gen2 Type-A



2.5G Ethernet Port



Power Port



x2

Thunderbolt 5 (USB Type-C)



Audio Jack



HDMI 2.1



Image 2.6: Incredible I/O ports available on the laptop.

2.5 Keyboard and Touchpad

The Strix Scar 18 features a professional esports-grade keyboard with per-key RGB lighting and a large, responsive touchpad for precise control.

PRESS THE ATTACK

The difference between victory and defeat can be separated by a single keystroke, so the Strix SCAR 16 has a professional esports-grade keyboard designed to secure the win. Built to last, the Strix SCAR 16's keyboard switches are rated to last over 20 million presses, and n-key rollover guarantees your system will never miss a command even if you're pressing multiple keys at once. The Strix SCAR 16 has a full-sized keyboard, with dedicated media controls and customizable hotkeys for different Armoury Crate functions. And with per-key RGB and full Aura Sync customization, the Strix SCAR 16 will always have the looks to match your mood.

Per-Key
RGB

Full-Size
Keyboard

Hotkeys
Gaming



Image 2.7: Keyboard features of the Strix Scar 18.

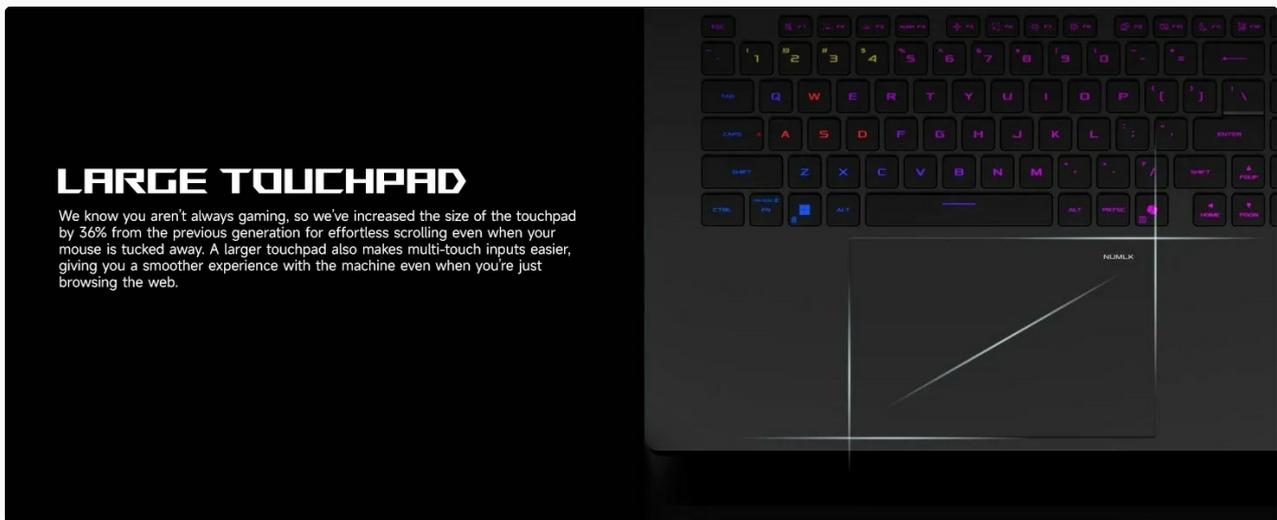


Image 2.8: Large touchpad for effortless navigation.

2.6 Audio System

Experience immersive sound with Dolby Atmos-powered speakers, featuring two tweeters and two downward-firing woofers, complemented by Two-Way AI Noise Cancellation.



Image 2.9: Studio-Quality Sound system.

2.7 Battery and Power

The Strix Scar 18 is equipped with a 90Wh battery, providing extended usage time, and supports rapid Type-C charging for convenience.



Image 2.10: Battery and charging features.

3. INITIAL SETUP

3.1 Unboxing and Inspection

Carefully remove the laptop and all accessories from the packaging. Inspect all components for any signs of damage. The package should include the ASUS Gaming Laptop and the PCO Notebook Folding Radiator (Laptop Cooler).

3.2 Power Connection

1. Connect the AC adapter to the laptop's power input port.
2. Plug the power cord into a grounded electrical outlet.
3. Ensure the battery is sufficiently charged before initial use.

3.3 Initial Boot and Operating System Setup

1. Open the laptop lid and press the power button.
2. Follow the on-screen instructions to complete the Windows 11 Pro setup process. This includes selecting your region, language, creating a user account, and connecting to a network.
3. It is recommended to connect to the internet during setup to download the latest updates for Windows and drivers.

4. OPERATING YOUR LAPTOP

4.1 Basic Operation

Familiarize yourself with the keyboard and touchpad. The keyboard features RGB backlighting and a numeric keypad. The large touchpad supports multi-touch gestures for enhanced navigation.

4.2 Performance Modes

Your laptop supports various performance modes to optimize power consumption and performance. These modes can typically be adjusted via ASUS Armoury Crate software or dedicated function keys.

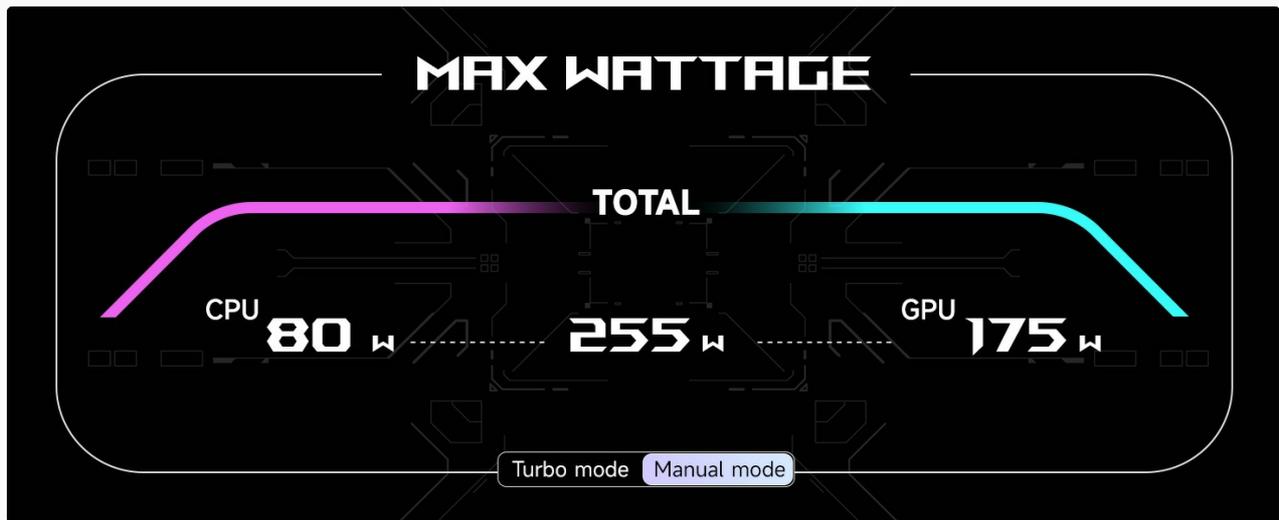


Image 4.1: Max Wattage distribution in different performance modes.

Refer to the Armoury Crate software for detailed control over CPU and GPU power limits, fan speeds, and other performance-related settings.

5. MAINTENANCE AND UPGRADES

5.1 Cleaning

- Regularly clean the screen with a soft, lint-free cloth and a screen-safe cleaning solution.
- Use compressed air to clear dust from keyboard keys and ventilation grilles.
- Wipe the chassis with a slightly damp cloth. Avoid harsh chemicals.

5.2 Software Updates

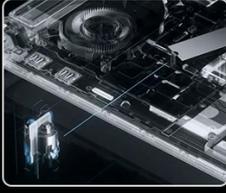
Keep your operating system, drivers, and ASUS utilities (like Armoury Crate) updated to ensure optimal performance, security, and compatibility. Windows Update will handle OS updates, while ASUS provides driver and utility updates through their support website or dedicated software.

5.3 Hardware Upgrades

The ROG Strix Scar 18 is designed for easy upgrades, featuring tool-less access to key components.

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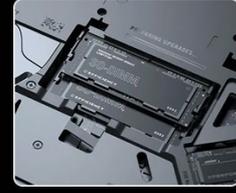
Q-Latch System
M.2 SSDs are incredibly small and versatile



Storage Upgrade
ultra-fast PCIe Gen 4 storage



Limitless Connectivity
dual Thunderbolt 5 ports



RAM Upgradability
up to 64GB of DDR5 6400MHz RAM

Image 5.1: Tool-less access for RAM and SSD upgrades.

You can upgrade the RAM up to 64GB DDR5 and expand storage with additional PCIe M.2 SSDs. Refer to the official ASUS support resources for detailed instructions on hardware upgrades to avoid voiding your warranty.

6. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your laptop.

Problem	Possible Cause	Solution
Laptop does not power on	No power, discharged battery, hardware issue	Ensure AC adapter is properly connected and outlet is working. Try charging for a few minutes. If issue persists, contact support.
Screen is blank or black	Display settings, external monitor connection, driver issue	Press Fn + F7 (or relevant display toggle key) to cycle display modes. Disconnect external monitors. Update graphics drivers.
Wi-Fi connection issues	Driver issue, router problem, Wi-Fi disabled	Ensure Wi-Fi is enabled (Fn + F2). Restart router and laptop. Update Wi-Fi drivers.
Overheating during use	Blocked vents, high-performance settings, dust buildup	Ensure vents are clear. Use the PCO Laptop Cooler. Adjust performance modes. Clean internal components if comfortable, or seek professional service.
Slow performance	Too many background applications, low disk space, outdated drivers	Close unnecessary applications. Free up disk space. Update all drivers and Windows. Check for malware.

7. TECHNICAL SPECIFICATIONS

Detailed specifications for the ASUS ROG Strix Scar 18 G635LX laptop:

Feature	Specification
Brand	ASUS
Model Name	G635LX
Standing Screen Display Size	18 Inches
Max Screen Resolution	2560x1600 Pixels
Processor	Intel Core Ultra 9 275HX (5.4 GHz max turbo frequency)
RAM	64 GB DDR5 RAM (4800 MHz)
Hard Drive	2 TB SSD (PCIe x 4 interface)
Graphics Coprocessor	NVIDIA GeForce RTX 5090 (Dedicated)
Wireless Type	Wi-Fi 7 (802.11ax) & Bluetooth
USB 3.0 Ports	5
Operating System	Windows 11 Pro
Item Weight	49.8 pounds
Product Dimensions (LxWxH)	15.71 x 11.73 x 0.93 inches
Color	Black
Power Source	AC & Battery
Batteries	1 Lithium Ion batteries required (included)
Special Feature	Backlit Keyboard, Numeric Keypad

8. WARRANTY AND SUPPORT

Your ASUS ROG Strix Scar 18 G835 laptop comes with a standard manufacturer's warranty. Please refer to the warranty card included in your product packaging or visit the official ASUS support website for detailed warranty terms and conditions specific to your region.

For technical assistance, driver downloads, and further support, please visit the ASUS official support website. You may also contact ASUS customer service directly for personalized assistance.

Online Resources:

- ASUS Support Website: www.asus.com/support/
- ASUS ROG Community Forums: rog.asus.com/forum/

Related Documents - G635LX

	<p>Ghid Electronic ASUS ROG Strix SCAR 18 (2023) G834 - Manual Complet</p> <p>Explorați manualul electronic complet pentru notebook-ul ASUS ROG Strix SCAR 18 (2023) G834. Descoperiți ghiduri detaliate despre configurarea hardware, utilizarea sistemului Windows, sfaturi de întreținere și soluții de depanare.</p>
	<p>ASUS ROG STRIX G15 & SCAR 15 Series Service Guide</p> <p>Comprehensive service guide for ASUS ROG STRIX G15 (G513) and STRIX SCAR 15 (G533) series gaming laptops, detailing disassembly, assembly, component identification, safety, and tools.</p>
	<p>ASUS ROG Strix Z690-I Gaming WiFi Motherboard User Manual</p> <p>Comprehensive user guide for the ASUS ROG Strix Z690-I Gaming WiFi motherboard, covering installation, basic setup, BIOS configuration, and technical specifications for Intel 12th Gen processors.</p>
	<p>ASUS NUC 14 Performance: Powerful Mini PC for Business, AI, and Creators</p> <p>Explore the ASUS NUC 14 Performance, a compact and powerful mini PC featuring Intel® Core™ Ultra processors and NVIDIA® GeForce RTX™ 40 series graphics. Ideal for AI, business, STEM, and creative professionals, offering high performance, multiple 4K display support, and extensive connectivity.</p>
	<p>ASUS ROG Strix LC Series Liquid CPU Cooler Quick Start Guide</p> <p>This quick start guide provides essential installation and setup instructions for the ASUS ROG Strix LC Series Liquid CPU Cooler, covering package contents, Intel and AMD CPU installation, fan and radiator mounting, and software download.</p>
	<p>ASUS Expert - Expert</p>