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› [Lenovo Legion 5 Gaming Laptop \(Model 83M0004AUS\) User Manual](#)

## Lenovo 83M0004AUS

# Lenovo Legion 5 Gaming Laptop (Model 83M0004AUS) User Manual

Comprehensive guide for setup, operation, maintenance, and troubleshooting.

## 1. INTRODUCTION

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Welcome to the user manual for your new Lenovo Legion 5 Gaming Laptop, model 83M0004AUS. This document provides essential information to help you get started, understand its features, and maintain optimal performance. The Lenovo Legion 5 is engineered for high-performance gaming and demanding creative tasks, featuring an AMD Ryzen 7 260 processor, NVIDIA GeForce RTX 5060 graphics, and a stunning 15.1-inch WQXGA OLED display.

**Elevate Your Game**

**Lenovo Legion 5 15"**

**AMD RYZEN 7**  
AMD Ryzen™ 7 260 Processor

**Lenovo AI Engine+**

**TÜV Certification**

**GEFORCE RTX**  
NVIDIA® GeForce RTX™ 5060

**2.5K**  
15.1" OLED 2560 x 1600 WQXGA display

**up to 9 HRS**  
Battery Life

**5MP Webcam with E-Shutter**

**Enjoy 3 months of PC Game Pass\***

**Lightning-fast TrueStrike keyboard with 24-zone RGB lighting**

**Dual speakers with Nahimic Audio for high-fidelity gaming**

**Lenovo LEGION**

\*PC Game Pass: Subscription continues automatically at regular monthly price unless cancelled. Subject to xbox.com/pcgamepass/terms

Figure 1: Lenovo Legion 5 Gaming Laptop

## 2. PRODUCT OVERVIEW

### 2.1 Key Features

- **Display:** 15.1" WQXGA (2560x1600) OLED, 16:10 aspect ratio, 165Hz refresh rate, 100% DCI-P3, 500 nits brightness.
- **Processor:** AMD Ryzen 7 260 Processor (8 cores, 16 threads, 3.8GHz base, up to 5.1GHz boost, 8MB L2 / 16MB L3 cache).
- **Graphics:** NVIDIA GeForce RTX 5060 Laptop GPU with 8GB GDDR7.
- **Memory:** 32GB High-Bandwidth DDR5 RAM for smooth multitasking.
- **Storage:** 1TB PCIe NVMe M.2 Solid State Drive for fast boot-ups and data transfers.
- **Connectivity:** Wi-Fi 7 and Bluetooth for high-speed wireless connections.
- **Ports:** 2 x USB-C, 3 x USB-A 3.2 Gen 1, 1 x HDMI, 1 x RJ-45 (Ethernet), 1 x Headphone/Microphone Combo.
- **Keyboard:** Backlit Keyboard with Numeric Keypad.
- **Webcam:** Integrated Webcam.
- **Cooling:** Legion Coldfront Hyper thermal management system.
- **Software:** Lenovo AI Engine+ and Legion Space for optimized performance and system management.

## 2.2 External Components

Familiarize yourself with the external components and ports of your Lenovo Legion 5 laptop.



Figure 2: Laptop open, displaying the keyboard and screen.



Figure 3: Left side ports including USB-C.



Figure 4: Right side ports including USB-A and headphone/microphone combo jack.



Figure 5: Rear ports including HDMI, RJ-45 (Ethernet), and power input.

### 3. SETUP

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## 3.1 Initial Power-On

1. Unpack the laptop and all accessories from the box.
2. Connect the power adapter to the laptop's power input port (typically located at the rear) and then to a power outlet.
3. Open the laptop lid.
4. Press the power button, usually located above the keyboard or on the side, to turn on the laptop.
5. Follow the on-screen instructions to complete the initial Windows 11 Home setup, including language, region, network connection, and user account creation.

## 3.2 Connecting Peripherals

- **Mouse/Keyboard:** Connect your USB mouse or keyboard to any available USB-A or USB-C port. For wireless peripherals, follow their specific pairing instructions.
- **External Display:** Use the HDMI port or a compatible USB-C port with an adapter to connect an external monitor.
- **Network:** For a wired internet connection, connect an Ethernet cable to the RJ-45 port.

# 4. OPERATING INSTRUCTIONS

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## 4.1 Keyboard Functions

- **Backlit Keyboard:** Adjust the keyboard backlight intensity using the dedicated function keys (Fn + Spacebar, or similar, refer to your specific keyboard layout).
- **Numeric Keypad:** Utilize the integrated numeric keypad for efficient data entry.
- **Function Keys:** Use the Fn key in combination with F1-F12 keys for various shortcuts like volume control, screen brightness, and Wi-Fi toggle.

## 4.2 Display Settings

The 15.1" WQXGA OLED display offers vibrant colors and high refresh rates. To optimize your viewing experience:

- **Refresh Rate:** In Windows Display Settings, ensure the display refresh rate is set to 165Hz for the smoothest visuals, especially during gaming.
- **Color Calibration:** For professional use, consider calibrating the OLED display to maintain color accuracy.
- **Lenovo PureSight OLED:** This technology provides high-fidelity gaming and precise color accuracy. Anti-Burn-In Technology is integrated for long-lasting performance.

## 4.3 Performance and Cooling

Your Legion 5 laptop features advanced systems to manage performance and thermals.

- **Legion Coldfront Hyper:** This cooling system utilizes turbo fans and 3D heatpipes to keep the system cool during intensive use.
- **Performance Modes (Fn+Q):** Quickly switch between different performance modes (e.g., Quiet, Balance, Performance) using the Fn+Q shortcut to adapt to your current task.
- **Lenovo AI Engine+:** Powered by Lenovo AI Core (LA1), this system dynamically optimizes settings for games and applications, boosting FPS and ensuring smooth operation. Manage these settings through Legion Space.

## 4.4 Legion Space Software

Legion Space is a preloaded software suite designed to enhance your gaming and productivity experience.

- **Device Settings:** Adjust various laptop settings, including performance profiles, lighting, and display options.
- **Game Library:** Organize and launch your installed games.
- **Gaming Zone:** Access tools like Game Coach, Game Clip Master, and Game Companion for an optimized gaming

experience.

Your browser does not support the video tag.

Video 1: Demonstration of the Lenovo Legion 5 Gaming Laptop's boot-up sequence, keyboard backlighting, and system performance metrics (CPU, Memory, GPU usage) in Task Manager.

## 5. MAINTENANCE

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### 5.1 General Care

- **Cleaning:** Use a soft, lint-free cloth to clean the screen and chassis. For stubborn smudges, dampen the cloth with a small amount of water or a screen-safe cleaner. Avoid harsh chemicals.
- **Ventilation:** Ensure the laptop's vents are clear of obstructions to allow for proper airflow and cooling. Avoid using the laptop on soft surfaces like beds or couches for extended periods.
- **Storage:** When not in use, store the laptop in a cool, dry place away from direct sunlight and extreme temperatures.

### 5.2 Software and Battery Management

- **Updates:** Regularly update your operating system, drivers (especially graphics drivers), and Lenovo software (via Legion Space or Lenovo Vantage) to ensure optimal performance and security.
- **Battery Health:** To prolong battery life, avoid consistently discharging the battery completely or keeping it at 100% charge for extended periods. Lenovo Vantage software may offer battery health management features.
- **Storage Optimization:** Periodically clean up unnecessary files and applications to maintain sufficient free space on your 1TB SSD.

## 6. TROUBLESHOOTING

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If you encounter issues with your Lenovo Legion 5 laptop, try the following basic troubleshooting steps.

- **No Power:** Ensure the power adapter is securely connected to both the laptop and a working power outlet. Try a different outlet if available.
- **Display Issues:** If the screen is blank, try connecting an external monitor to check if the issue is with the laptop's display. Ensure graphics drivers are up to date.
- **Performance Lag:** Check Task Manager (Ctrl+Shift+Esc) for high CPU, RAM, or GPU usage by background applications. Close unnecessary programs. Ensure the laptop is in Performance mode (Fn+Q).
- **Overheating:** Verify that the cooling vents are not blocked. Use the Fn+Q shortcut to switch to a more aggressive cooling profile if available.
- **Connectivity Problems:** For Wi-Fi issues, restart your router and the laptop. For wired connections, check the Ethernet cable.
- **Software Glitches:** Restart the laptop. If the issue persists, check for system updates or consider performing a system restore to a previous point.

For more detailed troubleshooting or persistent issues, please refer to the official Lenovo support website or contact customer service.

## 7. SPECIFICATIONS

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Feature	Detail
Model Name	Lenovo Legion 5
Item Model Number	83M0004AUS
Processor	AMD Ryzen 7 260 (8 cores, 16 threads, up to 5.1GHz)
Graphics Coprocessor	NVIDIA GeForce RTX 5060 Laptop GPU (8GB GDDR7)
RAM	32GB DDR5 RAM
Hard Drive	1TB PCIe NVMe M.2 SSD
Screen Size	15.1 Inches
Screen Resolution	2560 x 1600 pixels (WQXGA OLED)
Refresh Rate	165Hz
Operating System	Windows 11 Home
Wireless Type	Wi-Fi 7 (802.11.be) & Bluetooth
USB Ports	2 x USB-C, 3 x USB-A 3.2 Gen 1
Other Ports	1 x HDMI, 1 x RJ-45, 1 x Headphone/Microphone Combo
Special Features	Backlit Keyboard, Numeric Keypad, Webcam
Dimensions (LxWxH)	13.44 x 0.85 x 9.26 inches
Color	Eclipse Black

## 8. WARRANTY AND SUPPORT

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Your Lenovo Legion 5 Gaming Laptop comes with a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation included with your product or visit the official Lenovo support website.

For technical assistance, driver downloads, and additional support resources, please visit: [support.lenovo.com](https://support.lenovo.com).

You may also consider purchasing extended protection plans for additional coverage. Details on available plans can be found on the Lenovo website or through authorized retailers.