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> Lenovo Legion Pro 7i Gen 10 Gaming Laptop User Manual

Lenovo 83F5006HUS

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Model: 83F5006HUS

INTRODUCTION

Welcome to the user manual for your new Lenovo Legion Pro 7i Gen 10 16" Gaming Laptop. This powerful machine is engineered for ultimate gaming and productivity, featuring an Intel Core Ultra 9 275HX processor, NVIDIA GeForce RTX 5080 graphics, and a stunning 16.0" WQXGA OLED display. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your laptop to ensure optimal performance and longevity.



Figure 1: Front view of the Lenovo Legion Pro 7i Gen 10 Gaming Laptop, showcasing its vibrant display and RGB backlit keyboard.

SETUP

1. Unboxing and Initial Inspection

Carefully remove the laptop and all accessories from the packaging. Verify that all components listed in the "What's in the Box" section are present and undamaged.

- Laptop
- AC Adapter (400W Slim Tip)
- Product Manuals

2. Connecting the Power Adapter

Connect the 400W Slim Tip AC adapter to the power input port on your laptop. Plug the other end into a grounded electrical outlet. It is recommended to fully charge the battery before initial use.



Figure 2: Right side view of the laptop, illustrating the power input port and other connectivity options.

3. First Boot and Windows Setup

Press the power button to turn on your laptop. Follow the on-screen instructions to complete the Windows 11 Pro setup process, including language selection, network connection, and user account creation.

OPERATING YOUR LAPTOP

1. Keyboard and Touchpad

The laptop features a Per-Key RGB Backlit keyboard for enhanced visibility and customization. The integrated touchpad supports multi-touch gestures for navigation.

2. Display Features

Your laptop is equipped with a 16" WQXGA (2560x1600) OLED display with 500 nits brightness, 100% DCI-P3 color gamut, 240Hz refresh rate, DisplayHDR True Black 1000, Dolby Vision, and G-SYNC. Adjust display settings via Windows Display Settings or NVIDIA Control Panel for optimal visual experience.

3. Connectivity

The Legion Pro 7i Gen 10 offers extensive connectivity options:

- **USB Ports:** Multiple USB 3.0 ports for connecting peripherals.
- **Thunderbolt 4:** For high-speed data transfer and external display connections.
- **HDMI:** Connect to external monitors or TVs.
- **Wireless:** Bluetooth and 802.11 a/b/g/n/ac for wireless communication.



Figure 3: Left side view of the laptop, highlighting the array of available ports for external devices.

4. Gaming Performance

Leverage the Intel Core Ultra 9 processor and NVIDIA GeForce RTX 5080 GPU for demanding games and applications. Ensure drivers are up-to-date for optimal performance. Utilize Lenovo Vantage software for system monitoring and performance tuning.

MAINTENANCE

1. Cleaning Your Laptop

- **Screen:** Use a soft, lint-free cloth specifically designed for electronics. Dampen slightly with water or a screen cleaner if necessary.
- **Keyboard and Chassis:** Use a soft cloth. For dust, use compressed air. Avoid harsh chemicals.

2. Battery Care

To prolong battery life, avoid extreme temperatures. For long-term storage, charge the battery to about 50-60% and store in a cool, dry place.

3. Software Updates

Regularly update your Windows operating system, NVIDIA graphics drivers, and Lenovo system drivers to ensure stability, security, and optimal performance.

4. Storage Management

Periodically check your 2TB NVMe SSD storage (1TB+1TB configuration) for available space. Delete unnecessary files and uninstall unused applications to maintain system responsiveness.

TROUBLESHOOTING

Problem	Possible Solution
Laptop does not power on.	Ensure the AC adapter is securely connected to both the laptop and a working power outlet. Verify the power outlet is functional. Try a different outlet.
Screen is blank or black.	Check if the laptop is powered on. Press Fn + F2 (or the display toggle key) to ensure the display is not turned off. Connect to an external monitor to check if the issue is with the laptop's display.
Slow performance.	Close unnecessary applications. Check Task Manager for high CPU/RAM usage. Ensure drivers are updated. Run a disk cleanup. Check for malware.
Wi-Fi connection issues.	Restart your router and laptop. Check Wi-Fi settings in Windows. Update wireless drivers. Ensure airplane mode is off.

SPECIFICATIONS

Feature	Detail
Model Name	Lenovo Legion Pro 7i Gen 10
Processor	Intel Core Ultra 9 275HX (24C/24T, 2.7/5.4GHz P-core, 2.1/4.6GHz E-core, 36MB Cache)
Operating System	Windows 11 Pro 64
Graphics Card	NVIDIA GeForce RTX 5080 16GB GDDR7 (Boost Clock 2287MHz, TGP 175W, 1334 AI TOPS)
Memory (RAM)	64 GB DDR5-6400MHz (2 x 32 GB CSODIMM)
Storage	2 TB SSD M.2 2280 PCIe Gen4 TLC (2 x 1 TB)

Feature	Detail
Display	16" WQXGA (2560x1600) OLED, 500nits Glossy, 100% DCI-P3, 240Hz, DisplayHDR True Black 1000, Dolby Vision, G-SYNC, Low Blue Light
Camera	5.0MP with E-shutter
AC Adapter	400W Slim Tip (3-pin)
Keyboard	Per-Key RGB Backlit, Black - English (US)
Dimensions (LxWxH)	1.05 x 10.86 x 14.35 inches
Weight	10.83 pounds
Color	Eclipse Black

WARRANTY AND SUPPORT

Warranty Information

Your Lenovo Legion Pro 7i Gen 10 laptop comes with a **One Year Legion Ultimate Support** warranty. This warranty covers manufacturing defects and provides access to specialized technical support. Please refer to the warranty card included in your product packaging for full terms and conditions.

Customer Support

For technical assistance, troubleshooting, or warranty claims, please contact Lenovo customer support.

- **Online Support:** Visit the official Lenovo support website for drivers, manuals, and FAQs.
- **Phone Support:** Refer to your product documentation or the Lenovo website for regional contact numbers.