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LG 17Z90TL-H

LG Gram 17Z90TL-H 2025 Laptop User Manual

Model: 17Z90TL-H

1. SETUP AND INITIAL USE

This section guides you through the initial setup of your LG Gram 17Z90TL-H 2025 Laptop.

1.1 Unboxing and Components

Carefully remove all components from the packaging. Ensure the following items are present:

- LG Gram 17Z90TL-H Laptop
- AC Adapter (65W)
- Power Cord
- Quick Start Guide
- 32GB USB 3.0 Flash Drive



Image: Front view of the LG Gram 17Z90TL-H 2025 Laptop with the screen open, displaying a vibrant purple and black background.

1.2 Connecting Power

Connect the AC adapter to the laptop's power input port (one of the Thunderbolt 4 / USB4 Type-C ports or a dedicated power port if available) and then plug the power cord into an electrical outlet. It is recommended to fully charge the battery before first use.

1.3 Initial Boot and Windows Setup

Press the power button located on the keyboard to turn on the laptop. Follow the on-screen instructions to complete the Windows 11 Home setup process. This includes selecting your region, connecting to a Wi-Fi network, and creating a user account.

2. OPERATING YOUR LAPTOP

This section covers the basic operation of your LG Gram laptop.

2.1 Power On/Off and Sleep Mode

- **Power On:** Press the power button.
- **Shut Down:** Click the Start button, then Power > Shut down.
- **Sleep Mode:** Close the lid or click the Start button, then Power > Sleep.

2.2 Keyboard, Touchpad, and Touchscreen

- **Keyboard:** The laptop features a full-size backlit keyboard with a numeric keypad. Adjust backlight intensity using function keys.

- **Touchpad:** Use the integrated touchpad for cursor control and multi-touch gestures.
- **Touchscreen:** The 17-inch WQXGA IPS display supports touch input for intuitive interaction with Windows 11 Home.

2.3 Fingerprint Reader

The integrated fingerprint reader allows for secure and quick login. Set up your fingerprint in Windows Settings > Accounts > Sign-in options.

2.4 Connectivity (Wi-Fi, Bluetooth, Ports)

Your laptop supports Intel Wi-Fi 7 BE201 (2x2) and Bluetooth 5.4 for wireless connections. For wired connections, utilize the following ports:

- **2 x USB Thunderbolt 4 / USB4 (Type-C):** Supports 40Gbps data transfer, Power Delivery, and DisplayPort.
- **2 x USB 3.2 Gen 1 (Type-A):** Supports 5Gbps data transfer.
- **1 x HDMI 2.1:** For connecting external displays.
- **1 x Headphone/microphone combo jack:** For audio input/output.



Image: Right side of the LG Gram laptop, showing two USB 3.2 Gen 1 Type-A ports and a microSD card slot.



Image: Left side of the LG Gram laptop, featuring an HDMI 2.1 port, two Thunderbolt 4 / USB4 Type-C ports, and a headphone/microphone combo jack.

3. MAINTENANCE AND CARE

Proper maintenance ensures the longevity and optimal performance of your LG Gram laptop.

3.1 Cleaning Instructions

- **Screen:** Use a soft, lint-free cloth slightly dampened with water or a screen cleaner. Avoid harsh chemicals.
- **Keyboard and Chassis:** Use a soft, dry cloth. For stubborn dirt, a slightly damp cloth can be used, ensuring no liquid enters openings.
- **Ports:** Keep ports free of dust and debris. Use compressed air if necessary, holding the can upright.

3.2 Battery Care

The laptop is equipped with a 77Wh Lithium-Ion battery. To maximize battery life:

- Avoid extreme temperatures.
- Do not fully discharge the battery frequently.
- If storing the laptop for an extended period, charge the battery to approximately 50-60%.

3.3 Software Updates

Regularly update your Windows 11 Home operating system and device drivers to ensure security, stability, and optimal performance. Access updates via Windows Settings > Windows Update.

4. TROUBLESHOOTING

This section provides solutions for common issues you might encounter.

4.1 Power Issues

- **Laptop does not turn on:** Ensure the AC adapter is securely connected and the power outlet is functional. Try a different outlet.
- **Battery not charging:** Verify the AC adapter and cable are not damaged. Check the charging indicator light on the laptop.

4.2 Display Problems

- **No display:** Connect an external monitor via HDMI to check if the issue is with the laptop's internal display. Restart the laptop.
- **Flickering screen:** Update your Intel Arc Graphics drivers. Adjust display refresh rate in Windows settings.

4.3 Connectivity Issues

- **Wi-Fi not connecting:** Ensure Wi-Fi is enabled. Restart your router and the laptop. Check network settings in Windows.
- **Bluetooth device not pairing:** Ensure the Bluetooth device is in pairing mode and within range. Restart Bluetooth on your laptop.

4.4 General Performance Issues

- **Slow performance:** Close unnecessary applications. Check for background processes. Ensure sufficient free space on the 4TB NVMe M.2 SSD.
- **System freezes:** Perform a hard restart by holding the power button for 10-15 seconds.

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

5. SPECIFICATIONS

Detailed technical specifications for the LG Gram 17Z90TL-H 2025 Laptop.

Feature	Specification
Model Name	17Z90TL-H
Processor	Intel Core Ultra 7 258V 8-Core (Up to 4.8 GHz)
Display	17" WQXGA (2560 x 1600) IPS Touchscreen, Anti-glare, 320 nits, DCI-P3 99%
Graphics	Intel Arc Graphics 140V
Memory (RAM)	32GB LPDDR5 8533 MHz
Storage	4TB NVMe M.2 SSD
Operating System	Windows 11 Home

Feature	Specification
Wireless Connectivity	Intel Wi-Fi 7 BE201 (2x2), Bluetooth 5.4
Ports	2 x USB Thunderbolt 4 / USB4 Type-C, 2 x USB 3.2 Gen 1 Type-A, 1 x HDMI 2.1, 1 x Headphone/microphone combo
Camera	1080p FHD Camera
Battery	77Wh Lithium-Ion (up to 8 hours average battery life)
Dimensions (L x W x H)	14.91" x 10.19" x 0.74" inches
Weight	3.22 lbs
Color	Black
Special Features	Backlit Keyboard with Numpad, Fingerprint Reader

6. WARRANTY INFORMATION

Your LG Gram laptop comes with a standard manufacturer's warranty. For detailed information regarding warranty terms, conditions, and duration, please refer to the warranty card included in your product packaging or visit the official LG support website.

Keep your proof of purchase (receipt or invoice) as it will be required for any warranty claims.

7. CUSTOMER SUPPORT

If you require further assistance, technical support, or have questions not covered in this manual, please contact LG Customer Support.

- **Online Support:** Visit the official LG website for FAQs, driver downloads, and support resources. www.lg.com/us/support
- **Telephone Support:** Refer to your product documentation or the LG website for regional contact numbers.

When contacting support, please have your laptop's model number (17Z90TL-H) and serial number ready.