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LG 17Z90TL

LG Gram 17Z90TL Laptop User Manual

Model: 17Z90TL

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1. INTRODUCTION

This manual provides essential information for the proper use and care of your LG Gram 17Z90TL Laptop. It covers initial setup, operational guidelines, maintenance tips, troubleshooting common issues, and detailed product specifications. Please read this manual thoroughly to ensure optimal performance and longevity of your device.

The LG Gram 17Z90TL is a high-performance laptop featuring a 17-inch WQXGA (2560 x 1600) touchscreen display, powered by an Intel Core Ultra 7 8-Core Processor, 32GB LPDDR5 RAM, and a 1TB NVMe M.2 SSD. It comes with Windows 10 Home pre-installed and includes Intel Arc Graphics 140V for enhanced visual performance.



Figure 1.1: LG Gram 17Z90TL Laptop with Windows 10 Home desktop.

2. INITIAL SETUP

2.1 Unpacking and Inspection

Carefully remove the laptop and all accessories from the packaging. Verify that all components are present:

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

Inspect the laptop for any physical damage. If any damage is found or components are missing, contact your retailer immediately.

2.2 Connecting the Power Adapter

Before first use, connect the AC adapter to the laptop and a power outlet to fully charge the battery. The charging port is located on the left side of the laptop (one of the USB-C Thunderbolt 4 ports).



Figure 2.1: Left side ports, including USB-C Thunderbolt 4 for charging.

2.3 First Boot and Windows Setup

1. Open the laptop lid.
2. Press the power button, typically located on the top right of the keyboard area.
3. Follow the on-screen instructions to complete the Windows 10 Home setup, including language selection, network connection, and user account creation.

3. OPERATING YOUR LG GRAM 17Z90TL

3.1 Keyboard and Touchpad

The laptop features a full-size backlit keyboard with a numeric keypad for comfortable typing. The integrated touchpad supports multi-touch gestures for navigation.



Figure 3.1: Keyboard and touchpad layout.

3.2 Touchscreen Functionality

The 17-inch WQXGA display is a touchscreen, allowing for direct interaction with the operating system and applications using touch gestures.

3.3 Ports and Connectivity

Your LG Gram 17Z90TL offers various ports for connecting peripherals:

- **Left Side:**
 - 1x HDMI v2.1: For connecting external displays.
 - 2x USB-C Thunderbolt 4 / USB4 40Gbps: Supports Power Delivery and DisplayPort 1.4. Use one for charging.
 - 1x Headphone/Microphone Combo Jack: For audio input/output.
- **Right Side:**
 - 2x USB 3.2 Gen 1 (5Gbps): For connecting USB devices.
 - 1x MicroSD Card Reader: For expanding storage or transferring files.

- 1x Security Lock Slot: For physical security.



Figure 3.2: Right side ports.

3.4 Wireless Connectivity

- **Wi-Fi 7 (Intel Wi-Fi 7 BE201):** Connect to wireless networks for internet access.
- **Bluetooth 5.4:** Pair with Bluetooth-enabled devices such as headphones, mice, or keyboards.

3.5 Fingerprint Reader

The integrated fingerprint reader provides a secure and convenient way to log in to Windows. Set up your fingerprint in Windows Settings > Accounts > Sign-in options.

3.6 Webcam

The 1080p FHD camera is located at the top center of the display bezel, suitable for video calls and conferences.

4. MAINTENANCE AND CARE

4.1 Cleaning the Laptop

- **Screen:** Use a soft, lint-free cloth specifically designed for electronics. Dampen it slightly with water or a screen cleaner solution. 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. Compressed air can remove dust from between keys.

4.2 Battery Care

- Avoid fully discharging the battery frequently.
- Store the laptop in a cool, dry place if not used for extended periods.
- Use only the original 65W AC adapter provided with the laptop.

4.3 Software Updates

Regularly update your Windows operating system and device drivers to ensure optimal performance, security, and compatibility. Windows Update can be accessed via Settings > Update & Security.

5. TROUBLESHOOTING COMMON ISSUES

Issue	Possible Cause	Solution
Laptop does not power on	Low battery, power adapter issue	Connect AC adapter and ensure it's plugged into a working outlet. Wait a few minutes, then try powering on again.

Issue	Possible Cause	Solution
No Wi-Fi connection	Wi-Fi disabled, driver issue, router problem	Check Wi-Fi settings in Windows. Restart the laptop and your Wi-Fi router. Update Wi-Fi drivers.
Touchscreen unresponsive	Software glitch, driver issue	Restart the laptop. Check for and update touchscreen drivers in Device Manager.
Slow performance	Too many background applications, low storage, malware	Close unnecessary applications. Free up disk space. Run a virus scan. Check Task Manager for resource-intensive processes.
Keyboard backlight not working	Backlight disabled, driver issue	Press the dedicated backlight function key (usually Fn + F8 or similar). Update keyboard drivers.

If you encounter issues not listed here or if the suggested solutions do not resolve the problem, please refer to the Warranty & Support section for further assistance.

6. PRODUCT SPECIFICATIONS

Feature	Detail
Model Name	LG Gram 17Z90TL-H
Display	17-inch WQXGA (2560 x 1600) LED-backlit Touchscreen, 60Hz, 320 nits, Anti-glare, DCI-P3 99%
Processor	Intel Core Ultra 7 258V 8-Core (Up to 4.8 GHz, 12 MB Intel Smart cache)
Graphics	Intel Arc Graphics 140V (Integrated)
Memory	32GB LPDDR5 SDRAM 8533 MHz
Storage	1TB NVMe M.2 SSD
Operating System	Windows 10 Home
Keyboard	Full-size Backlit Keyboard with Numpad
Security	Fingerprint Reader
Webcam	1080p FHD Camera
Wireless Connectivity	Intel Wi-Fi 7 BE201 (2x2), Bluetooth 5.4
Ports	2x USB-C Thunderbolt 4 / USB4 40Gbps (PD, DP 1.4), 2x USB 3.2 Gen 1 (5Gbps), 1x HDMI v2.1, 1x Headphone/Microphone Combo Jack, 1x MicroSD Card Reader
Battery	77Wh Lithium-Ion Battery
AC Adapter	65W
Dimensions (LxWxH)	14.91 x 10.19 x 0.74 inches (37.87 x 25.88 x 1.88 cm)

Feature	Detail
Weight	3.22 lbs (1.46 kg)
Color	Black

7. WARRANTY AND SUPPORT

7.1 Warranty Information

Your LG Gram 17Z90TL Laptop comes with a **12-month warranty** from the date of purchase. This warranty covers manufacturing defects and hardware malfunctions under normal use conditions. Please retain your proof of purchase for warranty claims.

For specific warranty terms and conditions, refer to the documentation provided with your product or visit the official LG support website.

7.2 Technical Support

If you require technical assistance, have questions about your product, or need to initiate a warranty claim, please contact the LG customer support team. Contact information can typically be found on the official LG website or in the product packaging.

When contacting support, please have your laptop's model number (17Z90TL) and serial number ready to expedite the service process.