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> LG gram 14-inch Laptop (Model 14Z90T-G.ADB6U1) User Manual

LG 14Z90T-G.ADB6U1

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Model: 14Z90T-G.ADB6U1

1. INTRODUCTION

This manual provides essential information for the safe and efficient use of your LG gram 14-inch laptop. Please read it thoroughly before operating your device and retain it for future reference.



Figure 1: Front view of the LG gram 14-inch laptop.

2. PACKAGE CONTENTS

Verify that all items are present in your product package:

- LG gram 14-inch Laptop
- Power Cord
- Instruction Manual (this document)

3. SETUP

3.1 Initial Power-On and Windows 11 Setup

1. Connect the power cord to the laptop and a power outlet.
2. Press the power button to turn on the laptop.
3. Follow the on-screen instructions to complete the Windows 11 Home setup, including language selection, region, and network connection.
4. Create or log in with your Microsoft account.

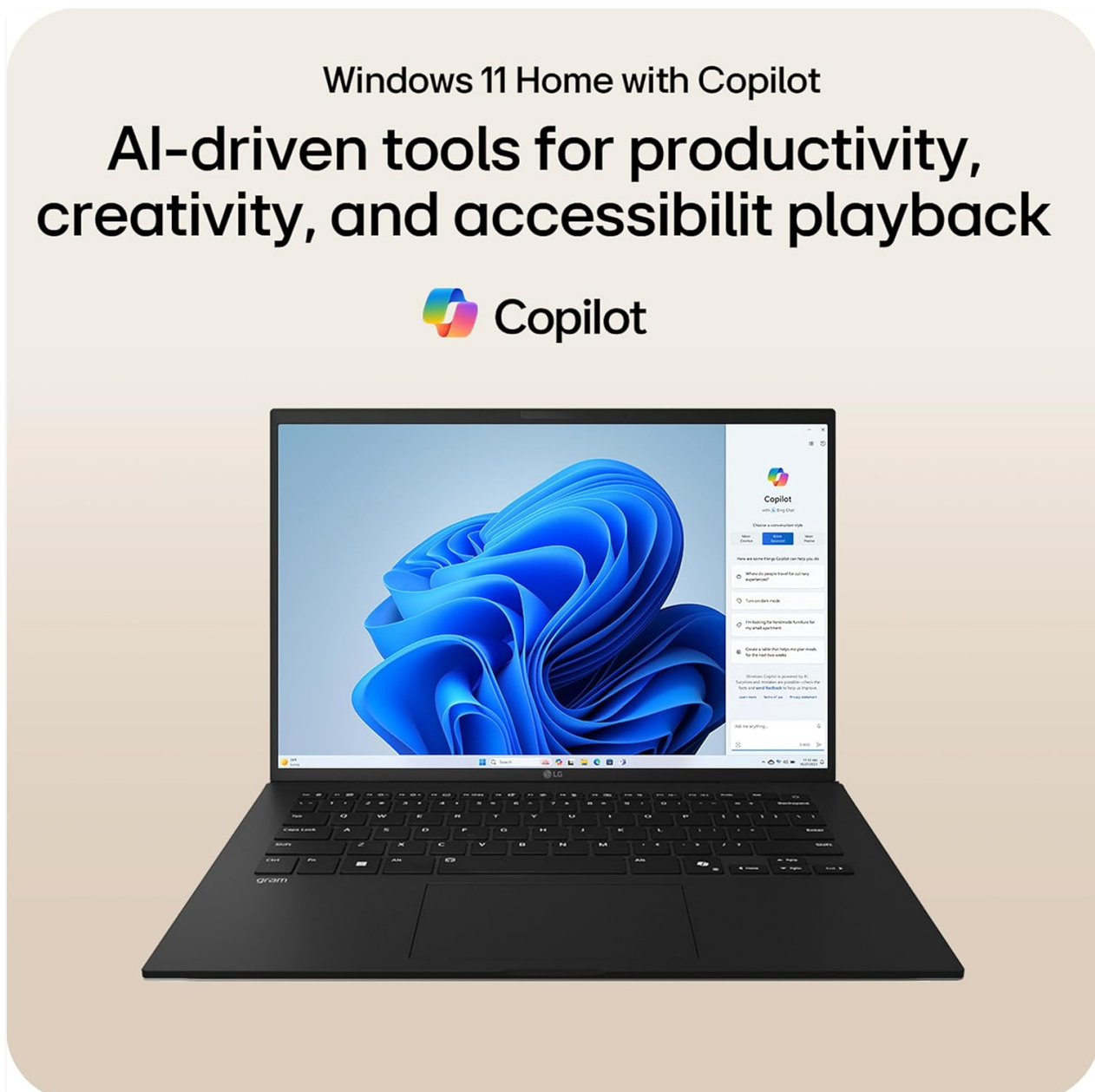


Figure 2: Windows 11 Home with Copilot interface on the LG gram laptop.

3.2 Charging the Laptop

The laptop is powered by a 72Wh high-capacity battery. Connect the provided power adapter to the USB-C Thunderbolt 4 port on the laptop and then to a wall outlet. The charging brick may warm up during use, which is normal. For optimal battery life, ensure the laptop is fully charged before initial use.

72Wh battery with up to 30.0 hours of video playback



*Video playback time testing conducted by LG using Full HD video playback (1080p resolution), wireless turned off, 150 nits brightness, earphones and default options. Actual battery usage time and performance may vary depending on various factors, including network connectivity and application use. (January 2025)

Figure 3: Laptop displaying battery life information.

3.3 Port Overview

The LG gram laptop features various ports for connectivity:

- **Left Side:** Two Thunderbolt 4 (USB-C) ports, HDMI port, Headphone/Microphone combo jack.
- **Right Side:** Two USB 3.2 Gen2 (Type-A) ports, MicroSD card slot (not explicitly listed in specs but common for gram series, assuming based on typical laptop design).



Figure 4: Left side ports (Thunderbolt 4, HDMI, Headphone/Mic).



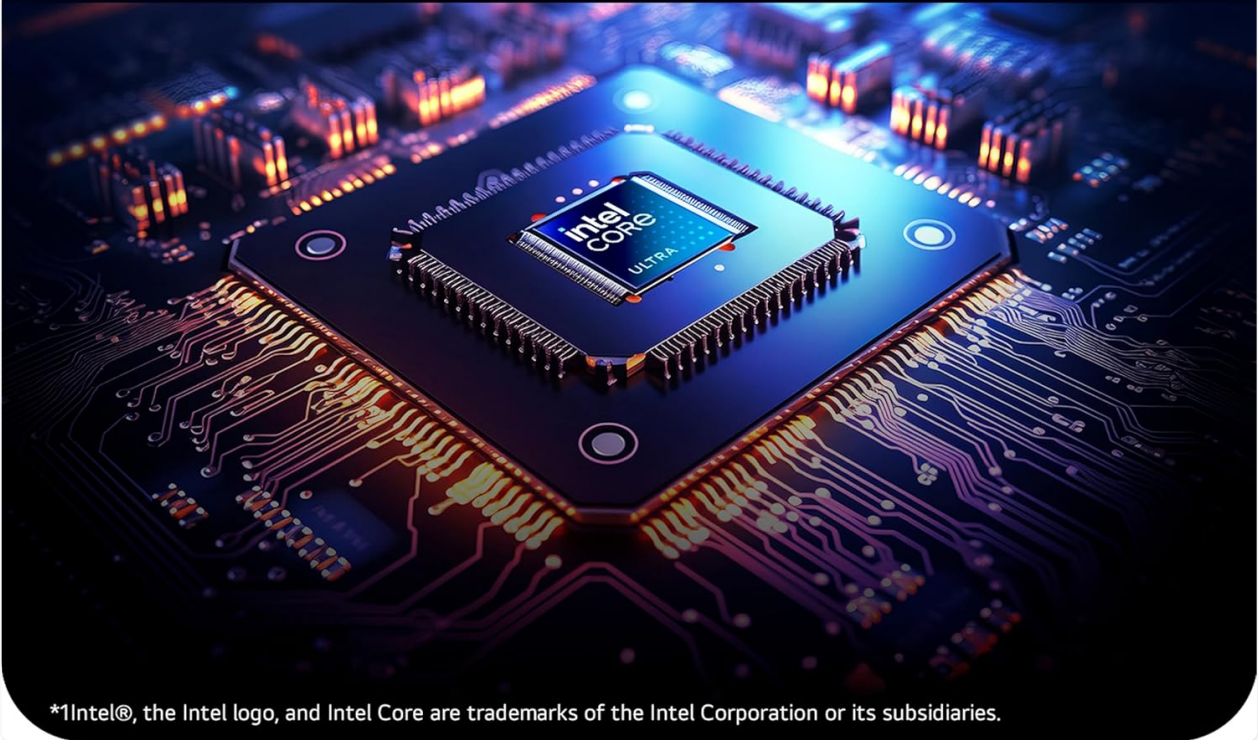
Figure 5: Right side ports (USB 3.2 Gen2).

4. OPERATING THE LAPTOP

4.1 General Usage and Performance

The LG gram 14-inch laptop is equipped with an Intel Core Ultra 7 processor (Series 2), 32GB DDR5 RAM, and Intel Arc graphics, designed for efficient computing and multitasking. It runs on Windows 11 Home.

Born for AI, perfectly paired with Intel® Core Ultra



*1Intel®, the Intel logo, and Intel Core are trademarks of the Intel Corporation or its subsidiaries.

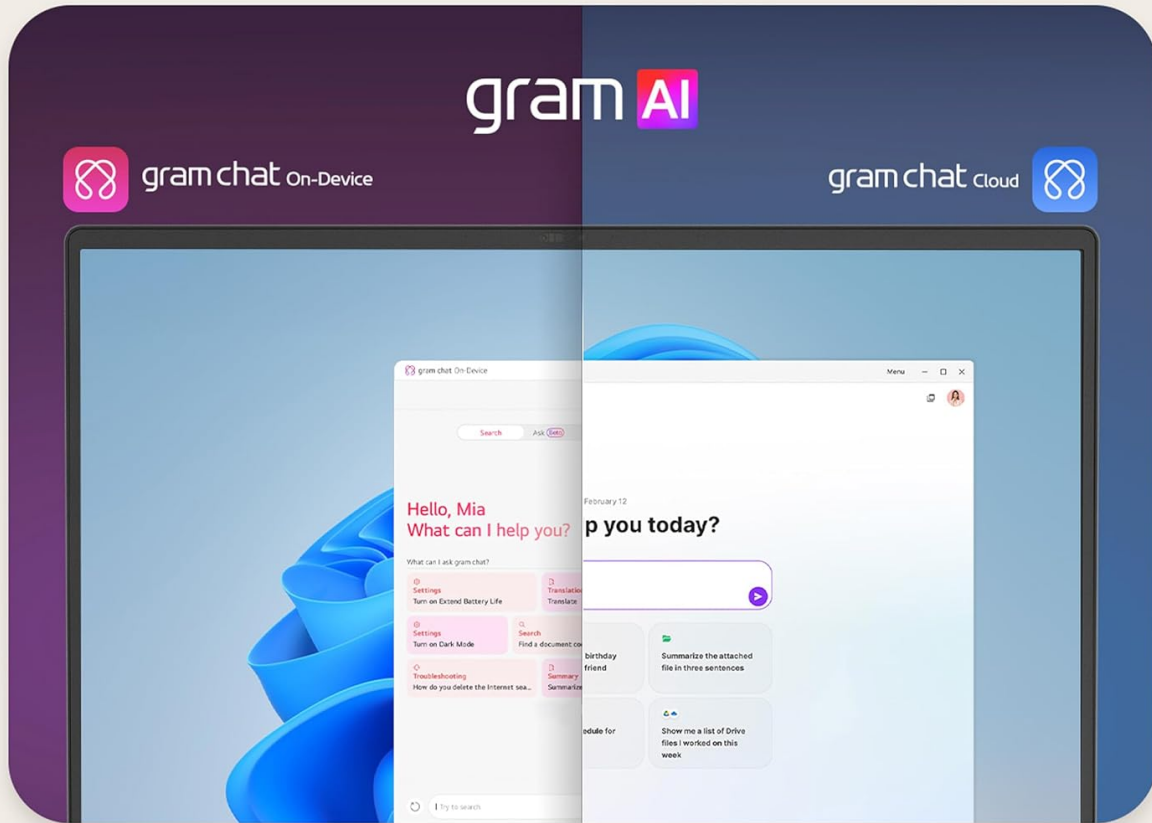
Figure 6: Intel Core Ultra processor.

4.2 Hybrid AI Features

Your LG gram laptop integrates a hybrid AI solution:

- **gram chat On-Device:** Manages local tasks such as smart hard drive searches and system adjustments.
- **gram chat Cloud:** Provides generative AI responses for tasks like document creation, data analysis, and administrative scheduling.

On-Device Smarts and Cloud Productivity with gram Hybrid AI



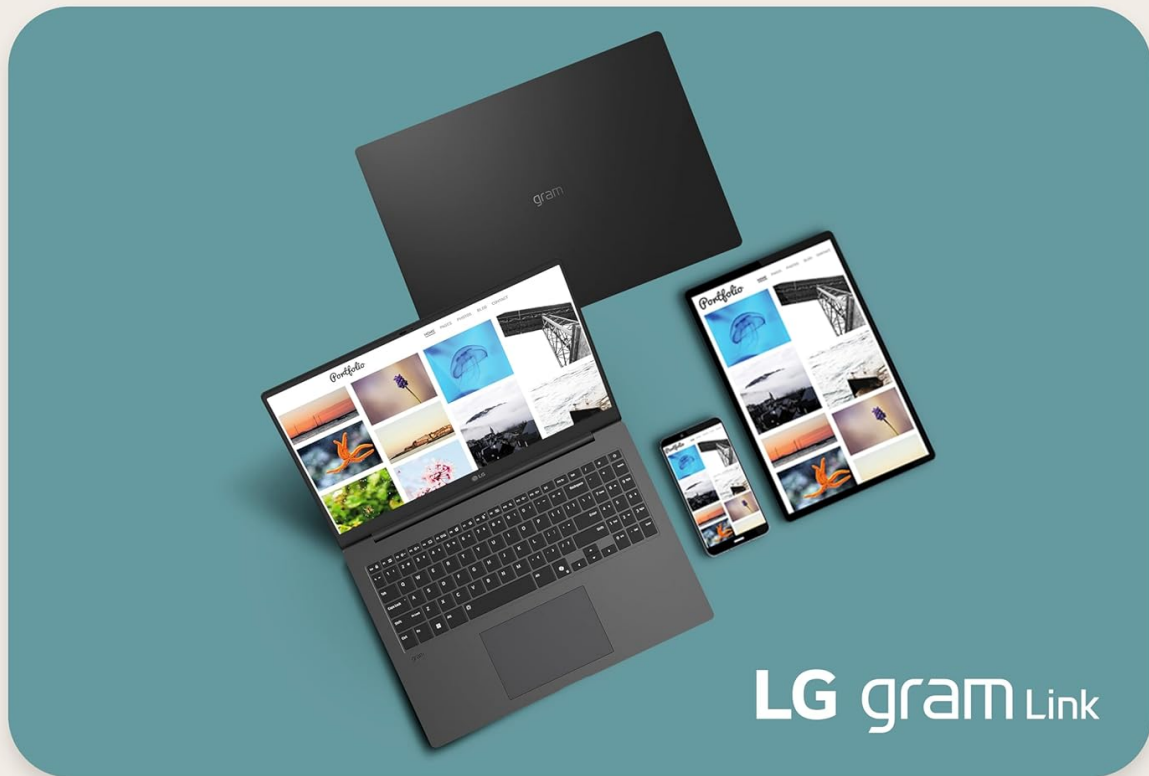
*gram chat Cloud is available on 2025 LG gram models at no cost for the first year after user registration. After one year, users may subscribe to gram chat Cloud as a paid service.

Figure 7: Hybrid AI functionality with On-Device and Cloud AI.

4.3 LG gram Link

The LG gram Link app facilitates seamless connection with up to 10 devices across Android and iOS. This allows for file sharing, screen extension, display mirroring, and unified control for enhanced multitasking. The app requires installation; visit [LG.com support](https://www.lg.com/support) to download.

Easy iOS and Android integration



*LG gram Link app installation required. Visit Support on LG.com to download.

Figure 8: LG gram Link multi-device integration.

4.4 Audio Features

The laptop features four built-in speakers with Dolby Atmos 3D Surround Sound, providing an immersive audio experience.

Dolby Atmos 3D Surround Sound for a cinematic experience



*Dolby, Dolby Atmos and the double-D symbol are registered trademarks of Dolby Laboratories.

Figure 9: Dolby Atmos 3D Surround Sound.

5. MAINTENANCE

5.1 Battery Optimization

The integrated AI Smart Assistant analyzes user patterns to optimize battery efficiency. To maximize battery life, adjust screen brightness, close unused applications, and disconnect peripherals when not in use. The laptop offers up to 30 hours of video playback under specific test conditions (Full HD video playback, wireless off, 150 nits brightness, earphones, default options).

5.2 Durability

The LG gram laptop is designed for resilience, having passed seven different MIL-STD 810H tests for durability. This includes tests for low pressure (altitude), high temperature, low temperature, and vibration. While robust, avoid exposing the device to extreme conditions or attempting to replicate these tests.

Unbelievably Portable. Undeniably Strong.



*Passed 7 different MIL-STD 810H Tests for durability conducted by an independent laboratory that conforms to U.S. military standards (October 2024). Compliant with the following methods for MIL-STD-810H: Method 500.6 Low Pressure (Altitude) (Procedure I – Storage and Procedure II – Operation); Method 501.7 High Temperature (Procedure I – Storage and Procedure II – Operation); Method 502.7 Low Temperature (Procedure I – Storage and Procedure II – Operation); Method 514.8 – Vibration (Procedure I). Device may not perform as tested in all conditions. Test performed in controlled environment. Do not attempt.

Figure 10: LG gram laptop highlighting its thin and lightweight design and MIL-STD durability.

5.3 Cleaning and Care

- Use a soft, lint-free cloth to clean the screen and exterior.
- Avoid using harsh chemicals, abrasive cleaners, or solvents.
- Keep liquids away from the keyboard and ports.

6. TROUBLESHOOTING

6.1 General Performance Issues

If you experience slow performance or unexpected behavior, try the following:

- Restart the laptop.
- Ensure Windows 11 and all drivers are up to date.
- Close unnecessary background applications.
- Utilize gram chat On-Device for system adjustments or diagnostics.

6.2 Display Output Limitations

While the laptop offers flexible connectivity, note that the Thunderbolt 4 ports may have specific limitations regarding multi-monitor support. Consult the official LG support website or product documentation for detailed information on supported display configurations.

6.3 Power and Charging

If the laptop is not charging or powering on:

- Verify the power adapter and cable are securely connected to both the laptop and the power outlet.
- Try a different power outlet.
- Ensure the power adapter is not damaged.

7. SPECIFICATIONS

Feature	Specification
Brand	LG
Model Name	14Z90T-G.ADB6U1
Screen Size	14 Inches
Screen Resolution	1920 x 1200 pixels (WUXGA)
Processor	Intel Core Ultra 7 (Series 2) 255H, 2 GHz
RAM	32 GB LPDDR5X, 7467 MHz Memory Speed
Hard Drive	1 TB SSD
Graphics Card	Intel Arc
Operating System	Windows 11 Home
Item Weight	2.47 pounds
Product Dimensions	12.3 x 8.4 x 0.67 inches
Color	Obsidian Black
Average Battery Life	Up to 30 Hours (video playback)
Wireless Type	Bluetooth
Special Features	Anti-Glare Coating, Backlit Keyboard, HD Audio, Lightweight

8. OFFICIAL PRODUCT VIDEOS

Below are official product videos from LG Electronics, providing visual guides and additional information about your LG gram laptop.

LG gram Laptop - Features

Your browser does not support the video tag.

This video highlights the key features and capabilities of the LG gram laptop, including its lightweight design, AI performance, and connectivity options.

LG gram Laptop - Product Video

Your browser does not support the video tag.

A comprehensive product video showcasing the design, performance, and user experience of the LG gram laptop.

9. WARRANTY AND SUPPORT

For warranty information, technical support, driver downloads, and additional resources, please visit the official LG website at [LG.com/us/support](https://www.lg.com/us/support). You can also find information regarding protection plans and service options there.