LG 16Z90R-K.AAB7U1

LG gram 16Z90R-K.AAB7U1 Laptop User Manual

Model: 16Z90R-K.AAB7U1 | Brand: LG

1. Introduction

This manual provides essential information for the safe and efficient use of your LG gram 16Z90R-K.AAB7U1 laptop. Please read this manual thoroughly before operating the device and retain it for future reference. The LG gram 16Z90R-K.AAB7U1 is a lightweight laptop designed for productivity and portability, featuring a 16-inch display, Intel 13th Gen Core i7 processor, 16GB RAM, and a 512GB SSD.



Figure 1: LG gram 16Z90R-K.AAB7U1 Laptop

2. What's in the Box

Verify that all components are present in the packaging:

- LG gram 16Z90R-K.AAB7U1 Laptop
- Power Adapter
- User Manual (this document)
- Warranty Card



Figure 2: Box Contents

Unboxing Video

Your browser does not support the video tag.

Video 1: Official LG gram Z90R Unboxing Video. This video demonstrates the unboxing process and shows the included items.

3. Product Overview

Ports and Connectors

The LG gram laptop offers a variety of ports for versatile connectivity:

- **Left Side:** HDMI, 2x Thunderbolt 4 (USB Type-C), Headphone/Microphone Combo Jack
- **Right Side:** Micro SD Card Slot, 2x USB 3.2 Type-A



Figure 3: Left Side Ports

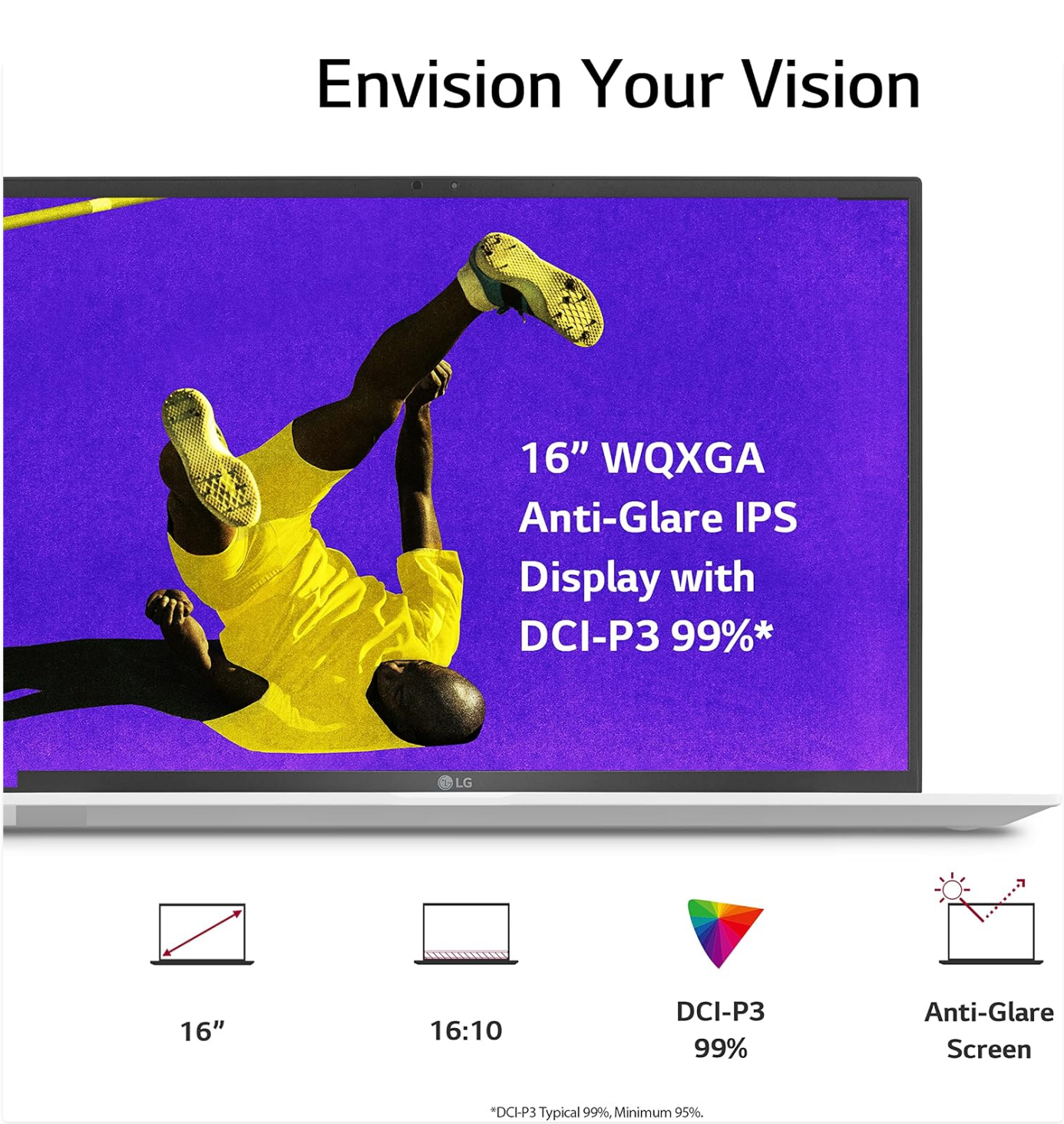


Figure 4: Right Side Ports

4. Setup

Initial Power On

1. Unpack the laptop and power adapter from the box.
2. Connect the power adapter to the laptop's USB-C charging port and then to a power outlet.
3. Open the laptop lid. The system may power on automatically, or you may need to press the power button located on the top right of the keyboard.
4. Follow the on-screen instructions to complete the initial Windows 11 setup, including language selection, network connection, and user account creation.



Figure 5: Connecting the Mini Adapter

5. Operating Instructions

Power On/Off

- **To Power On:** Open the lid or press the power button.
- **To Shut Down:** Click the Start button, then Power, and select 'Shut down'.
- **To Restart:** Click the Start button, then Power, and select 'Restart'.
- **To Sleep:** Close the lid or click the Start button, then Power, and select 'Sleep'.

Keyboard and Touchpad

The LG gram features a full-size backlit keyboard and a precision touchpad for navigation.

- **Backlit Keyboard:** Adjust backlight brightness using the function keys (Fn + F8/F9, specific keys may vary).
- **Touchpad Gestures:** Supports multi-touch gestures for scrolling, zooming, and switching applications. Refer to Windows settings for customization.

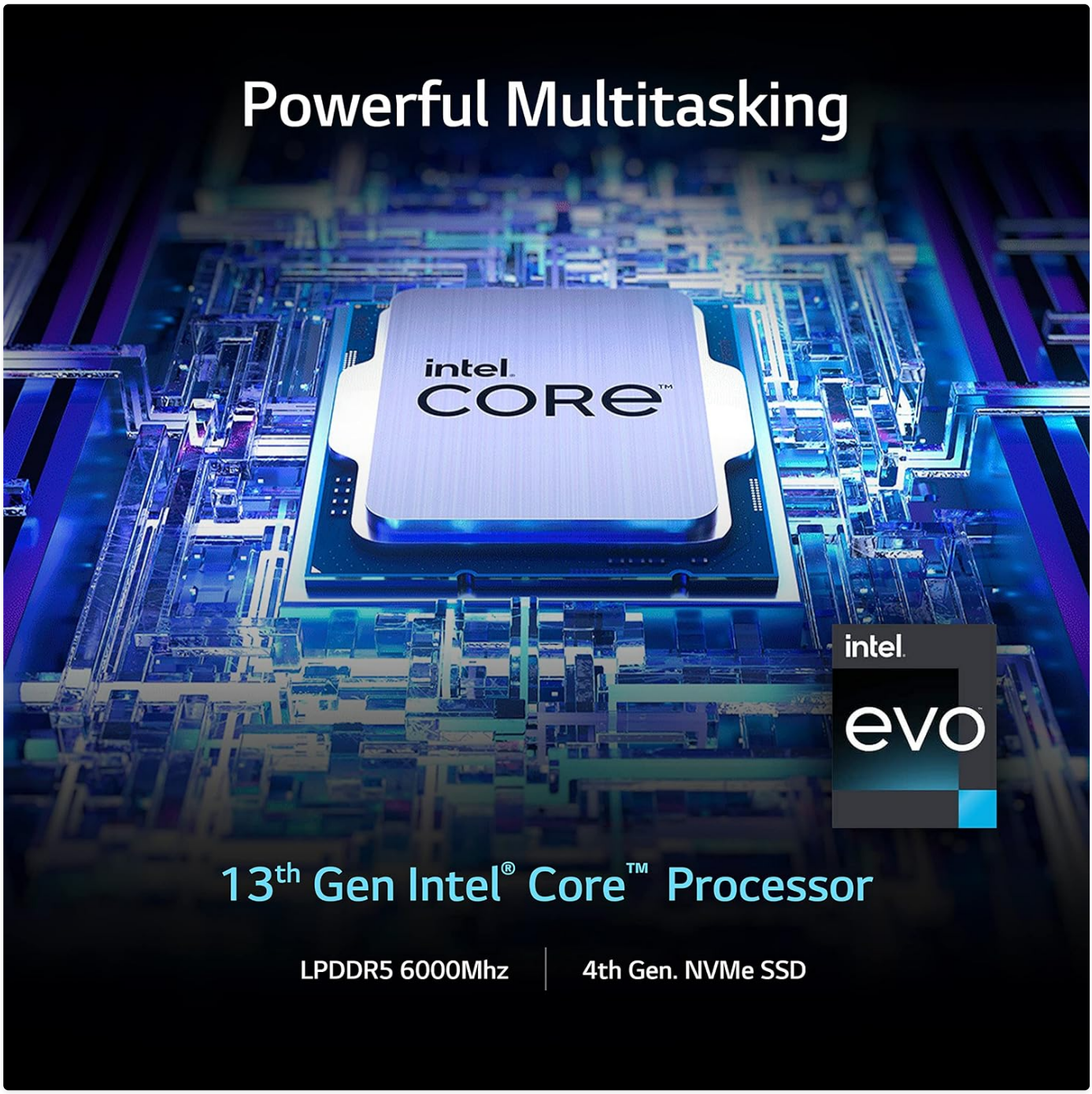


Figure 6: Backlit Keyboard

6. Key Features

6.1. 13th Gen Intel Core i7 Processor

Equipped with Intel's 13th Generation Core i7 processor and Intel Iris Xe graphics, the LG gram is designed for efficient multitasking and demanding applications. This processor ensures smooth performance for tasks ranging from data analysis to creative content editing.

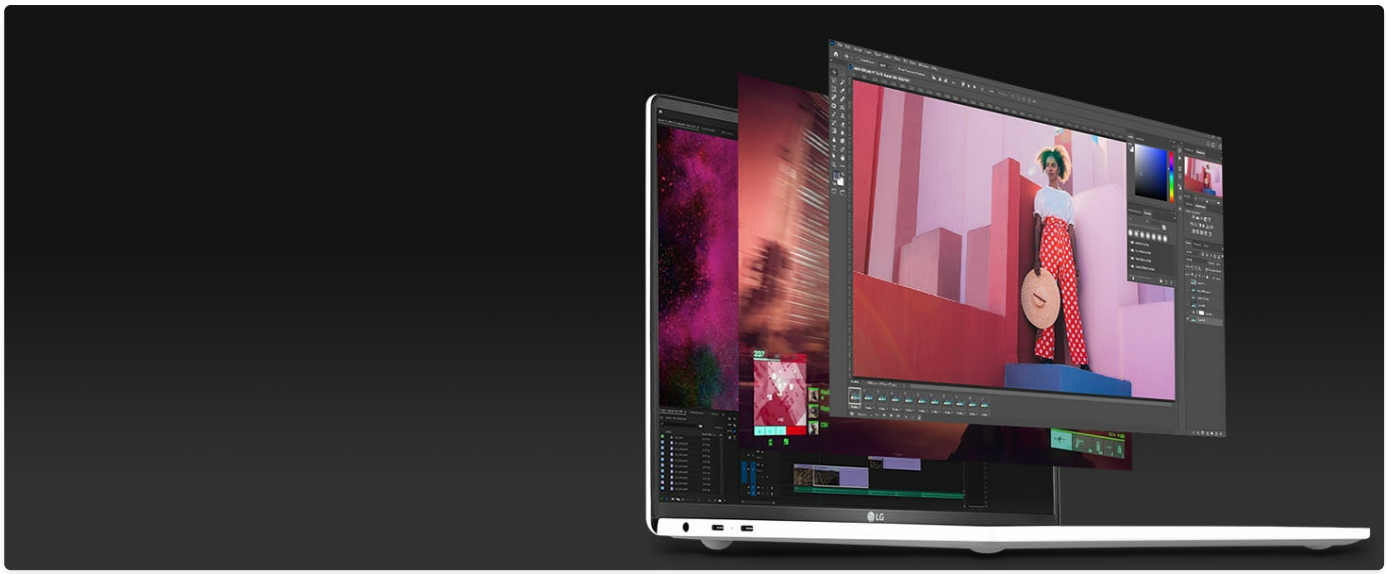


Figure 7: Intel 13th Gen Core Processor

6.2. 16GB LPDDR5 RAM

The 16GB LPDDR5 RAM operates at a substantial clock speed of 6000 MHz, providing ample memory for seamless multitasking, quick application launches, and efficient handling of large files without significant buffering.

6.3. 16" WQXGA Non-Reflective IPS Display with DCI-P3 99%

Experience visuals on a 16-inch WQXGA (2560 x 1600) non-reflective IPS display with a 16:10 aspect ratio. The DCI-P3 99% color gamut ensures vivid and accurate color reproduction, while the anti-glare coating minimizes reflections for improved focus in various lighting conditions.



Figure 8: WQXGA IPS Display

6.4. 512GB NVMe PCIe Gen 4 SSD

Benefit from fast boot times and rapid data access with the 512GB NVMe PCIe Gen 4 Solid State Drive. This storage solution provides dependable performance for all your files and applications.

6.5. Dolby Atmos Audio

Immerse yourself in rich, 360-degree sound with Dolby Atmos. This audio technology enhances your listening experience for music, movies, and games, delivering clear and powerful sound.



Figure 9: Dolby Atmos Sound Experience

6.6. Intel Unison

Intel Unison connects your LG gram to your other devices, enabling seamless messaging, calling, and notification management directly from your laptop. This feature streamlines your workflow by integrating your mobile experience with your PC.



Figure 10: Intel Unison Device Sync

6.7. 80Wh Battery

The large 80Wh battery provides extended usage time, allowing you to work, create, and enjoy entertainment for longer periods without needing to recharge frequently. Battery life may vary based on usage and settings.



Figure 11: 80Wh High Capacity Battery

6.8. MIL-STD-810H Durability

The LG gram has passed seven MIL-STD-810H military-grade durability tests, including resistance to vibration, high/low temperatures, and more. This certification ensures the laptop's robustness for daily use and travel.



Figure 12: MIL-STD-810H Durability

6.9. Mini Adapter

The redesigned compact and lightweight power adapter makes it easier to carry and reduces bulk in your bag, enhancing the laptop's portability.

6.10. Flexible Connectivity

With two Thunderbolt 4 ports, two USB 3.2 ports, HDMI, a headphone jack, and a Micro-SD Card Slot, the LG gram offers comprehensive connectivity options for all your peripherals and external displays. Thunderbolt 4 supports ultra-fast data transfer and up to 5K resolution display output.

Product Video

Your browser does not support the video tag.

Video 2: Official LG Z90R gram Product Video. This video highlights the key features and design of the LG gram laptop.

7. Specifications

Feature	Specification
Model Name	16Z90R-K.AAB7U1
Screen Size	16 Inches
Screen Resolution	2560 x 1600 pixels (WQXGA)
Processor	13th Gen Intel Core i7
RAM	16 GB LPDDR5
Hard Drive	512 GB SSD (NVMe PCIe Gen 4)
Graphics Coprocessor	Intel Iris Xe Graphics
Operating System	Windows 11 Home
Item Weight	2.64 pounds
Product Dimensions (LxWxH)	13.98 x 9.54 x 0.66 inches
Color	Black
Battery	80Wh Lithium Ion
Wireless Type	802.11ax
USB 3.0 Ports	2
Thunderbolt 4 Ports	2

8. Maintenance

8.1. Cleaning

- Use a soft, lint-free cloth to clean the screen and exterior surfaces.
- For stubborn smudges, lightly dampen the cloth with water or a screen-safe cleaner.
- Avoid using harsh chemicals, abrasives, or aerosol sprays directly on the laptop.

8.2. Battery Care

- To prolong battery life, avoid fully discharging the battery frequently.
- Store the laptop in a cool, dry place when not in use for extended periods.
- If storing for a long time, ensure the battery is charged to approximately 50-60%.

8.3. Software Updates

- Regularly check for and install Windows updates to ensure system stability and security.

- Update LG-specific drivers and software through the LG Update Center application or LG's official support website.

9. Troubleshooting

9.1. Laptop Does Not Power On

- Ensure the power adapter is securely connected to both the laptop and a working power outlet.
- Check if the power outlet is functional by plugging in another device.
- If the battery is completely drained, it may take a few minutes of charging before the laptop can power on.

9.2. Display Issues

- If the screen is blank, try pressing the display toggle function key (Fn + F10, specific key may vary) to ensure the display is not turned off.
- Adjust screen brightness using the function keys (Fn + F2/F3, specific keys may vary).
- If using an external monitor, ensure the cable connection is secure and the correct display output is selected (Fn + F10).

9.3. Wi-Fi Connectivity Problems

- Verify that Wi-Fi is enabled in Windows settings.
- Restart your router and modem.
- Ensure you are within range of your Wi-Fi network and have entered the correct password.
- Update your wireless network adapter drivers.

10. Warranty and Support

Your LG gram laptop comes with a limited warranty. Please refer to the included warranty card for specific terms, conditions, and duration of coverage. For technical support, service, or additional information, please visit the official LG support website or contact LG customer service.
LG Support Website: www.lg.com/us/support

© 2026 LG Electronics. All rights reserved.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question