

LG 16T90SP-G.AAB5U1

LG gram Pro 16T90SP-G.AAB5U1 16-inch 2-in-1 Laptop Instruction Manual

Model: 16T90SP-G.AAB5U1

1. INTRODUCTION

Welcome to the LG gram Pro 16-inch 2-in-1 Laptop. This device combines the portability of a tablet with the power of a laptop, featuring an AI-enabled Intel Core Ultra 7 processor and Windows 11 Home. Designed for versatility and performance, it is ideal for both productivity and creative tasks.



Image: LG gram Pro 16-inch 2-in-1 Laptop in its standard laptop configuration, showcasing the display and keyboard, with a stylus hovering over the screen.

2. SETUP

2.1 Unboxing and Initial Inspection

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

- LG gram Pro 16-inch 2-in-1 Laptop
- Stylus Pen
- Power Adapter

Inspect the laptop and accessories for any signs of damage. If any items are missing or damaged, contact customer support.

Your browser does not support the video tag.

Video: LG gram T90SP Unboxing Video. This video demonstrates the unboxing process of the LG gram Pro laptop, showing the contents of the package including the laptop, stylus, and power adapter.

2.2 Powering On and Initial Configuration

1. Connect the power adapter to the laptop and a power outlet.
2. Open the laptop lid. The device may power on automatically, or you may need to press the power button located on the keyboard.
3. Follow the on-screen instructions to complete the Windows 11 Home setup, including language selection, network connection, and user account creation.

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Video: LG gram Windows 11. This video highlights the user experience with Windows 11 on the LG gram Pro, including initial setup and interface navigation.

3. OPERATING INSTRUCTIONS

3.1 2-in-1 Modes

The LG gram Pro 2-in-1 features a 360-degree hinge, allowing it to transform into various modes:

- **Laptop Mode:** Standard laptop configuration for typing and traditional computing.
- **Tent Mode:** Fold the screen back to stand the laptop like a tent, ideal for presentations or watching media.
- **Stand Mode:** Fold the screen back completely, hiding the keyboard, for a tablet-like experience with a stand.
- **Tablet Mode:** Fold the screen flat against the back of the keyboard for a full tablet experience.



Image: LG gram Pro 16-inch 2-in-1 Laptop in tent mode, demonstrating its versatile design for viewing content.

3.2 Touchscreen and Stylus Use

The 16-inch touchscreen supports multi-touch gestures for intuitive navigation. The included stylus pen allows for precise input, drawing, and note-taking. Simply touch the screen with the stylus to activate its functions.

Ultra-Thin, and Super Lightweight

3.08 lb

Lightweight

0.51 in

Ultra-slim



*Images may be simulated and dramatized for illustrative purposes. Actual features, functionality, and other product specifications may differ and are subject to change without notice.

Image: LG gram Pro 16-inch 2-in-1 Laptop in tablet mode, with a hand using the stylus to interact with the touchscreen.

3.3 LG gram Link App

The LG gram Link app provides seamless integration with up to 10 devices across Android and iOS platforms. This allows for easy file sharing, collaborative screen viewing, and real-time communication between devices. Install the LG gram Link app from [LG.com/Support](https://www.lg.com/Support) to utilize these features.





Image: The LG gram Link app interface displayed on the laptop screen, illustrating its capabilities for connecting and sharing content with other mobile devices.

4. KEY FEATURES

4.1 Design and Display

- **Thin & Light:** The 16-inch LG gram Pro 2-in-1 is designed for ultimate portability, making it easy to carry and use anywhere.
- **16" Touch IPS Display:** Experience crisp image resolution and vibrant colors with the 16-inch touchscreen, featuring up to 99% DCI-P3 color gamut expression and a 2560x1600 WQXGA resolution with up to 144Hz refresh rate.

Variable refresh rate

Smooth and fluid motion

31_{Hz} ↔ 144_{Hz}



*Screen image simulated. Dramatized for illustrative purposes.

Image: A side profile view of the LG gram Pro 16-inch 2-in-1 Laptop, emphasizing its ultra-thin design.

4.2 Performance

- **AI-enabled Intel Core Ultra 7 Processor:** Powered by the Intel Core Ultra 7 155H processor, this laptop delivers robust performance for productivity, creation, and entertainment, with integrated AI capabilities.
- **Windows 11 Home:** Enjoy a modern and intuitive operating system designed for multitasking and enhanced productivity.

Your browser does not support the video tag.

Video: LG gram AI-enabled Intel Core Ultra Processor. This video showcases the AI capabilities and performance of the Intel Core Ultra processor in the LG gram Pro.

4.3 Connectivity and Battery

- **77Wh Battery:** A large 77Wh battery provides extended usage, powering your work, play, and streaming throughout the day.
- **Multiple Ports:** Features two Thunderbolt 4 ports, two USB 3.2 ports, HDMI, and a 4-Pole headphone jack for versatile connectivity. Thunderbolt 4 supports ultra-fast data transfer and up to 5K resolution display.

A promotional graphic for the Intel Core Ultra processor. It features a dark blue background with a glowing blue light effect. In the center, a large, translucent blue cube displays the 'intel CORE ULTRA' logo. To the left and right of the cube are two laptops, one open and one closed, both displaying abstract blue and white patterns. Below the cube, the text 'Get the performance of an Intel® Core™ Ultra processor' is written in white. At the bottom, three bullet points with blue square icons highlight key performance metrics: 'Up to 65% faster generative AI¹', 'Up to 2.3X faster AI video editing²', and 'Up to 4.8% lower power for longer battery³'. Small footnotes at the very bottom provide details on the measurements and sources.

Unlock new AI experiences

Get the performance of an Intel® Core™ Ultra processor

- Up to 65% faster generative AI¹
- Up to 2.3X faster AI video editing²
- Up to 4.8% lower power for longer battery³

¹As measured by text to image generative AI using Intel plugin for GIMP with Stable Diffusion on Intel(TM) Core(TM) Ultra 7 165H vs prior generation. ²As measured by AI video editing workload using Adobe Premier Pro Beta on Intel Core Ultra 7 165H vs. prior generation. ³As measured by the power consumed of Intel Core Ultra 7 165H vs. comp. See www.intel.com/PerformanceIndex for details. Results may vary. (C) Intel Corporation.

Image: A detailed side view of the LG gram Pro 16-inch 2-in-1 Laptop, highlighting the various connectivity ports available.

4.4 Durability and Audio

- **MIL-STD-810H:** This laptop has passed seven military-grade durability tests, including vibration, high/low temperature, ensuring robust performance in various conditions.
- **Dolby Atmos:** Experience immersive audio with Dolby Atmos support, enhancing your entertainment and communication.



Image: A person holding the LG gram Pro 16-inch 2-in-1 Laptop, with a graphic indicating its MIL-STD-810H military-grade durability certification.

5. MAINTENANCE

5.1 Cleaning

- Use a soft, lint-free cloth to clean the screen and exterior. For stubborn smudges, lightly dampen the cloth with water or a screen-cleaning solution.
- Avoid using harsh chemicals, abrasive cleaners, or solvents.
- Regularly clean the keyboard and touchpad to remove dust and debris.

5.2 Software Updates

Keep your Windows 11 operating system and LG software up to date to ensure optimal performance, security, and access to the latest features. Check for updates regularly through Windows Update and the LG Update Center application.

5.3 Battery Care

To prolong battery life, avoid extreme temperatures and fully discharging the battery frequently. For long-term storage, charge the battery to approximately 50-60%.

6. TROUBLESHOOTING

6.1 Power Issues

- **Laptop not turning on:** Ensure the power adapter is securely connected and the power outlet is functional. Try pressing and holding the power button for 10-15 seconds to perform a hard reset.
- **Battery not charging:** Verify the power adapter is working correctly. Check the charging port for any

obstructions.

6.2 Display Problems

- **Screen is blank:** Connect an external monitor to check if the display issue is with the laptop screen or the graphics card. Try adjusting the display brightness using the function keys.
- **Touchscreen not responding:** Restart the laptop. Ensure all drivers are up to date.

6.3 Connectivity Issues

- **Wi-Fi not connecting:** Check if Wi-Fi is enabled in Windows settings. Restart your router and the laptop.
- **Bluetooth device not pairing:** Ensure Bluetooth is enabled on both devices and they are in pairing mode.

7. SPECIFICATIONS

| Feature | Detail |
|--------------------|--|
| Model Name | 16T90SP-G.AAB5U1 |
| Screen Size | 16 Inches |
| Screen Resolution | 2560 x 1600 pixels (WQXGA) |
| Processor | Intel Core Ultra 7 (4.8 GHz) |
| RAM | 16 GB LPDDR5 |
| Hard Drive | 512 GB SSD |
| Graphics | Intel Arc graphics |
| Operating System | Windows 11 Home |
| Item Weight | 3.08 pounds |
| Product Dimensions | 14.1 x 1 x 0.51 inches |
| Color | Black |
| Connectivity | 2x Thunderbolt 4, 2x USB 3.2, HDMI, 4-Pole Headphone Jack, 802.11ax Wireless |
| Battery | 77Wh Lithium Ion (included) |
| Special Feature | Backlit Keyboard, Numeric Keypad |

8. WARRANTY AND SUPPORT

8.1 Warranty Information

Your LG gram Pro laptop comes with a standard manufacturer's warranty. Please refer to the warranty card included in your product packaging for specific terms and conditions, including coverage duration and limitations.

8.2 Customer Support

For technical assistance, troubleshooting, or service inquiries, please visit the official LG website at [LG.com/us/support](https://www.lg.com/us/support) or contact LG customer service directly. Have your product model number and serial number ready when contacting support.
