LG 16T90Q

LG gram 16 2in1 Laptop (Model 16T90Q) User Manual

Comprehensive guide for setup, operation, maintenance, and troubleshooting.

1. PRODUCT OVERVIEW

The LG gram 16 2in1 (Model 16T90Q) is a lightweight, versatile laptop designed for both productivity and portability. It features a 16-inch WQXGA (2560 x 1600) IPS touchscreen display with a 360-degree hinge, allowing it to function as both a traditional laptop and a tablet. Powered by an Intel 12th Gen Core i7 processor and Intel Iris Xe Graphics, it runs on Windows 11 Home. This manual provides essential information to help you get started and effectively use your device.

Image: The LG gram 16 2in1 Laptop, showcasing its sleek design and open display.

2. INITIAL SETUP

Follow these steps to set up your LG gram 16 2in1 laptop for the first time:

1. **Unpacking:** Carefully remove the laptop and all accessories from the packaging. Ensure all

components are present: laptop, AC adapter, power cord, and LG Stylus Pen.

2. **Connect Power:** Plug the AC adapter into a power outlet and connect the USB-C end to one of the Thunderbolt 4 ports on your laptop. Allow the battery to charge for at least 30 minutes before initial use, or until the battery indicator shows sufficient charge.

3. **Power On:** Open the laptop lid and press the power button, typically located on the side or keyboard deck.

4. **Windows Setup:** Follow the on-screen instructions to complete the Windows 11 Home setup. This includes selecting your region, language, connecting to a Wi-Fi network, and creating a user account.

5. **Stylus Pen Setup:** The LG Stylus Pen may require initial pairing via Bluetooth. Refer to the Windows Bluetooth settings for pairing instructions if needed.

3. OPERATING INSTRUCTIONS

3.1. 2-in-1 Functionality

The 360-degree hinge allows you to use your LG gram in various modes:

- **Laptop Mode:** Standard laptop configuration for typing and general use.
- **Tent Mode:** Fold the laptop into an inverted 'V' shape for media consumption or presentations.
- **Stand Mode:** Fold the keyboard back to act as a stand, ideal for watching videos or using the touchscreen.
- **Tablet Mode:** Fold the keyboard completely back against the screen for a full tablet experience. The keyboard and touchpad will automatically disable in tablet mode.

3.2. LG Stylus Pen Usage

The LG Stylus Pen provides a natural writing and drawing experience on the touchscreen. It can be used for note-taking, sketching, and navigating the interface. Ensure the pen is charged and paired via Bluetooth for optimal functionality.

3.3. Windows Hello and Security Features

Your laptop supports Windows Hello for secure and fast login:

- **Face Recognition:** Utilize the FHD IR Webcam for facial recognition login. Set this up in Windows Settings > Accounts > Sign-in options.
- **Presence Detection:** This feature can automatically lock your screen when you step away from the laptop and blur the screen to prevent unauthorized viewing from behind. Configure these settings in the LG Smart Assistant application.

3.4. Connectivity

The LG gram 16 2in1 offers various ports and wireless connectivity options:

- **Thunderbolt 4 (x2):** USB 4 Gen3x2 Type C ports supporting power delivery, DisplayPort, and Thunderbolt 4 for high-speed data transfer and external display connections.
- **USB 3.2 Gen 2x1:** Standard USB-A port for connecting peripherals.
- **HDMI:** For connecting to external displays or projectors.
- **DC-In:** Dedicated power input (though USB-C can also charge).
- **Wireless:** Intel Wi-Fi 6E for high-speed internet and Bluetooth 5.1 for connecting wireless accessories.

4. CARE AND MAINTENANCE

Proper care ensures the longevity and performance of your LG gram laptop:

- **Cleaning:** Use a soft, lint-free cloth slightly dampened with water or a screen cleaner to clean the display. For the chassis, use a dry or slightly damp cloth. Avoid harsh chemicals.
- **Battery Care:** To maximize battery lifespan, avoid fully discharging the battery frequently. Store the laptop in a cool, dry place. If storing for an extended period, charge the battery to about 50-60%.
- **Software Updates:** Regularly update Windows and LG drivers/software to ensure optimal performance, security, and compatibility.
- **Physical Protection:** While lightweight, the laptop is built to MIL-STD-810G standards for durability. However, avoid dropping it or exposing it to extreme temperatures or liquids.

5. Troubleshooting

If you encounter issues with your LG gram 16 2in1, try the following solutions:

Problem	Possible Solution
Laptop does not power on or boot up.	- Ensure the AC adapter is securely connected and the power outlet is functional. - Press and hold the power button for 10-15 seconds to perform a hard reset. - If the battery is completely drained, allow it to charge for a longer period before attempting to power on.
Keyboard or touchpad is unresponsive.	- Check if the laptop is in tablet mode; the keyboard and touchpad are disabled in this mode. - Restart the laptop. - Ensure no external devices are interfering. - Update keyboard and touchpad drivers via Windows Device Manager.
Screen goes black or does not wake from standby.	- Press any key or move the mouse/touchpad. - Press the Windows key + P to check display output settings. - Perform a hard reset by holding the power button until the laptop shuts down, then restart.
Battery does not hold a charge or drains quickly.	- Ensure the AC adapter is functioning correctly. - Check power settings in Windows to optimize battery usage. - Close unnecessary background applications. - Run a battery diagnostic tool (if available from LG or Windows).

6. Technical Specifications

Feature	Specification

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Model Number	16T90Q
Processor	Intel EVO 12-Core i7-1260P (12 Cores: 4P + 8E, P: 2.1 up to 4.7 GHz / E: 1.5 up to 3.4 GHz)
Operating System	Windows 11 Home
Display	16" WQXGA (2560 x 1600) IPS Touchscreen, Gorilla Glass 7, DCI-P3 99%
Graphics	Intel Iris Xe Graphics
RAM	16 GB LPDDR5
Storage	512 GB SSD
Wireless Connectivity	Intel Wi-Fi 6E, Bluetooth 5.1
Ports	2x Thunderbolt 4 (USB 4 Gen3x2 Type C), 1x USB 3.2 Gen 2x1, 1x HDMI, 1x DC-In
Webcam	FHD IR Webcam with Dual Mic (Face Recognition)
Audio	DTS X:Ultra, AI Noise Cancelation
Battery	80 Wh, up to 18.5 hours video playback
Dimensions (LxWxH)	14 x 10 x 1 inches
Weight	2.96 pounds
Color	Black
Special Features	Backlit Keyboard, Windows Hello, Presence Detection, 360° hinge, MIL-STD-810G durability

7. WARRANTY AND SUPPORT INFORMATION

Your LG gram 16 2in1 laptop comes with a standard manufacturer's warranty. For specific warranty terms, duration, and conditions, please refer to the warranty card included with your product or visit the official LG support website.

For technical assistance, driver downloads, or service requests, please contact LG Customer Support. You can typically find contact information and support resources on the official LG website for your region.

Online Resources:

- Official LG Support Website: www.lg.com/us/support (Example link, please verify for your region)
- Driver & Software Downloads: Check the support website for the latest drivers and utility software for your model.

Keep your purchase receipt and product serial number readily available when contacting support.