OWNER'S MANUAL

NOTEBOOK

For the safe and convenient use of the product, please read this owner's manual before use.

16Z90Q Series

MFL71892302

www.lg.com

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ENGLISH

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Precautions before Product Use

For the convenience of users, LG PC Manuals are provided in an electronic format.

The images in the owner's manual may differ depending on the language selected and are subject to change without prior notice.

Any malfunction in the built-in solid state drive (SSD) may result in loss of stored data. You must back up all critical user data to an external storage device (USB HDD, memory card, etc.).

If you shut the system down before it is completely loaded, the product may not shut down properly. Shut down the system after it is completely loaded. (It takes about one or two minutes to completely load the system and may vary depending on the conditions.)

For more information on how to use the product, refer to the LG Easy Guide of the LG PC Manuals.

The screen and menu configurations may differ from this manual depending on the status of the Windows and software updates. Also, the version of Windows may differ depending on the model.

Checking the Components

The components shown below are provided when you purchase the product. Check the components before use.

- Some of its components may look different in shape and color from the pictures in certain models.
- When cleaning the product, use a cleaning agent dedicated to the PC. If you use thinner, benzene, alcohol or other similar agent, the product may be damaged or deformed.

PC Main Body

Owner's Manual

AC Adapter [1]

Power Cable [1]

LAN Adaptor [2] (optional)

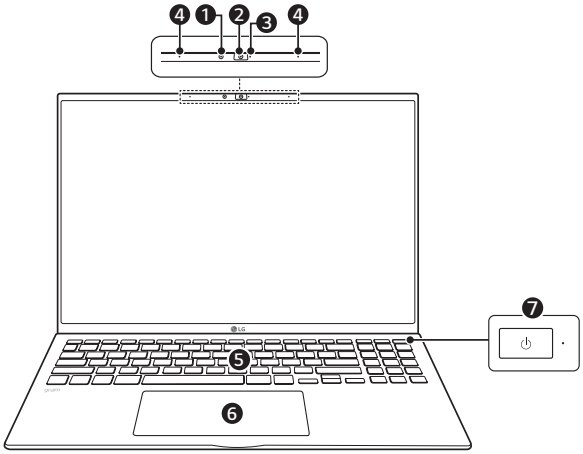
1 The AC adapter and power cable may differ depending on your country, but there is no difference in their functionality.

2 The recommended network cable for the optimal network environment is CAT5 or higher.

Product Tour

The actual product may differ in shape and color from the product images included in this owner's manual.

Front



1. IR LED
2. Webcam
3. Webcam Operation Status Lamp
4. Built-in Microphone
5. Keyboard
6. Touchpad
7. Power Button [⏻]

NOTE

- You can use hot keys to use Windows more conveniently.
  For details, refer to the LG Easy Guide of the LG PC Manuals.

Left

Right

1. HDMI Port
2. USB-C™ Port[1] (USB 4.0 Gen 3x2 / Thunderbolt™ / Can connect to a LAN adapter / Power Port)
3. Headphone Port (4-pole Ear Microphone Port[2])
4. Built-in Speakers
5. microSD Card Slot
6. USB Port (USB 3.2 Gen 2x1[3])
7. Security Keyhole (Kensington Security Slot)

1 Depending on the specifications of the device connected to the USB-C™ port, it acts as a USB or Thunderbolt™ port.

The USB-C™ port provides Quick Charging and Always-On Charging functions for devices that support USB PD (Power Delivery).

2 The 4-pole ear microphone port supports US type 4-pole standards and the European 4-pole ear microphone may not work properly.

When using ear microphone (or Bluetooth headset), audio input and output are directed to the connected device and the microphone and speaker on PC do not work.

The 4-pole ear microphone port does not support external microphone.

3 The names of USB versions have changed from USB 3.0 (or USB 3.1 Gen 1) and USB 3.1 (or USB 3.1 Gen 2) to USB 3.2 Gen 1x1 and USB 3.2 Gen 2x1. Devices that are not authorized with USB may not operate normally when connected to the USB port.

The transmission speed of a USB port may differ depending on the type of storage device (NVMe™, SSD, HDD, etc.) in the system and the connected USB device.

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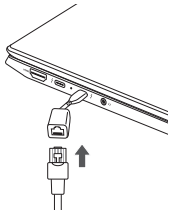
Connecting LAN Adapter

1 Connect the LAN adapter to the USB-C™ port on the PC.
   - The USB-C™ port can be used without having to differentiate between the top and bottom sides.
2 Connect the network cable (LAN) to the LAN adapter.
3 Check if you can connect to the internet properly.

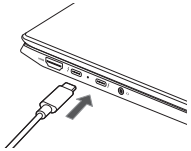


Power Connection

The AC adapter is used to power and charge the PC.

- Do not use any other AC adapter than the one that was provided when you purchased this product.
- The power cable and AC adapter may differ depending on your country or region.

1 Connect an end of the cable to the AC adapter and the other end to a power outlet.
   - The AC adapter can be used from 100 V to 240 V.
2 Connect the AC adapter jack to the PC USB-C™ port.
   - Ensure that the power jack linked to the AC adapter and product is connected firmly.



When the AC adapter is connected, the AC adapter lamp turns on.

Status	Power Lamp
On	When the AC adapter is connected and charging is complete.
Blinking	When the AC adapter is connected and is charging.
Off	The AC adapter is not connected.

- If you try to turn on the system that has entered the Hibernates mode or been turned off after a low-battery alarm, the system will not be turned on but the lamp will blink three times. If this is the case, connect the AC adapter and charge the battery sufficiently before using it.

System Shutdown / Power Off

Press the [ ] key or [Ctrl] + [ESC] to display the Start menu.

- Press the Start button [ ] > Power button [ ] and select [Shut down].

Important Safety Precautions

Check the following 'Important Safety Precautions' to prevent unexpected danger or damage in advance.

'Important Safety Precautions' is divided into 'WARNING' and 'CAUTION.'

WARNING: Noncompliance with the instruction may cause serious physical damage or fatal injuries.

CAUTION: Noncompliance with the instruction may cause minor damage to the body or the machine.

While Using the Product

WARNING

Good! LG	Use batteries certified and acknowledged by LG Electronics Inc. • Otherwise, an explosion or fire may occur.		Keep the battery away from heat. • Otherwise, an explosion or fire may occur.
60 ℃	Avoid storing or using this product in places with high humidity levels and temperatures above 60 °C, such as the inside of a car or sauna. • Otherwise, an explosion or fire may occur.		If you find leakage or smell bad odor from the battery, contact the local service center. • Otherwise, an explosion or fire may occur.

	Do not use the product on top of carpet, blanket or bed. Also, do not put the adapter under the blanket. • The product may malfunction, cause a fire or burn the user due to temperature rise.		Prevent the battery from coming in contact with any metallic object like a car ignition key or a paper clip. • Otherwise, this may cause damage to the battery, a fire or burn due to overheat in the battery.
	Do not leave the powered on product in a space without enough ventilation (i.e. bags) repeatedly or for an extended time. • The battery may overheat and cause a fire.		Charge the battery only with the provided charger. • Otherwise, the battery may be damaged presenting a risk of fire.
			Do not excessively bend the AC adapter cable. • Otherwise, the wires inside the cable may break and cause an electric shock or fire.

Guide on Battery Usage

50 %	When the PC is not used for an extended period of time, keep the battery level at about 50 % to increase the battery lifespan.		Use the Extend Battery Life function in the LG Smart Assistant. You can limit the battery charge to 80 % of the maximum charging capacity to increase the battery lifespan.
Good!	To increase battery lifespan, use the battery for a while before charging it rather than keeping the battery completely charged.		If you don't use the product for a long time with the battery completely charged, the battery lifespan may decrease.

NOTE

- This product has a built-in battery pack. After purchasing your PC, be sure to charge the battery pack completely before using it for the first time.
  - The battery is a wearable good and thus the battery may not last as long as before after the battery has been used for a long time.
  - The internal battery cannot arbitrarily be removed or replaced. Removing it may void the warranty.
  - If you need to remove or replace the battery, visit a designated service center.
  - We charge a fee for removing or replacing the battery.

Pre-Tech Support Checklist

Troubleshooting

If the following symptoms appear while using the product, check again.
It may not be a malfunction.

Symptom	Cause and Solution
Some of the Windows functions do not work normally or are not supported.	• Depending on the product, some of the Windows functions may not be supported, and you may need to purchase a separate hardware, driver, or software to use the functions. Also, you may need to update the BIOS additionally. The Auto Update function of Windows is always activated. Updating Windows may incur Internet usage fees as well as additional system requirements for the storage device or the hardware. For more information, refer to the website https://www.microsoft.com.

Symptom	Cause and Solution
Part of LG Software is not installed.	• The UWP app provided by LG Electronics can be installed only through the Microsoft Store. Access Microsoft Store and search for the app to install it. For more information on the app, refer to LG Easy Guide of the LG PC Manuals.
The screen color does not display properly.	• Check if Reader Mode is on. When the Reader mode is on, turn the setting off. - Press the Start button [ ] to turn the [All apps] > [LG Smart Assistant] > [Display Setting] > [Reader Mode] settings off. • Using the Reader mode and the Night mode at the same time can cause color distortion. Turn the Reader mode settings off or change the Night mode to [Off]. - Turning off Night light: Press the Start button [ ] and select Settings [ ] > [System] > [Display] > [Night light] > [Off]. • If the screen still does not properly display, contact the LG Electronics service center. - Reader mode controls the brightness and color of the LCD screen to look like printed paper and protect the user from eyestrain.
The power does not turn on.	• Check if the power cord is connected. • After disconnecting the power cord and reconnecting it, press the power button of the product. • If the power is not on after reconnecting the power cord, remove the adapter and hold the power button for at least 6 seconds to reset the system. Once the system is reset, press the power button again to turn on the computer.

Symptom	Cause and Solution
The system stops during use or does not properly turn off.	• Remove the adapter and press the power button for approximately 6 seconds to reset the system. Once the system is reset, press the power button again to turn on the computer. - Caution: Unsaved data may be lost. Pressing the power button while the PC is in use may cause damage to the hard disk or a system error.
The touchpad is not functioning properly.	• Press the Start button [ ] and run [All apps] > [LG Smart Assistant]. Then press [Dashboard] > [Touchpad]. • If the touchpad does not function properly, the touchpad is either in the Touchpad Off (disabled) state or Touchpad Auto (disabled when the mouse is connected) state. - For details on the touchpad settings, refer to the LG Easy Guide of the LG PC Manuals.
You selected the wrong display language for Windows.	• Refer to [Recovering the System] in LG Easy Guide of the LG PC Manuals to initialize the PC and set the language again. • All data will be lost during the initialization, so you must back up all critical data in advance.
The wireless network is not connected.	• Press [Fn] + [F6] to check if the wireless network device is turned off. - Press [Fn] + [F6] to set airplane mode to [OFF]. Click the Wi-Fi [ ] icon on the right side of the taskbar and check if AP displays properly. • Every time you press [Fn] + [F6], the wireless network and airplane mode turns on or off. • You may not be able to connect to a secure wireless network. Ask the wireless network administrator. • Reinstall the wireless LAN driver.

Symptom	Cause and Solution
A certain site or program does not run.	• Press the Start button [ ] and then select [All apps] > [Windows Tools] > [Control Panel]. • Select [View by] > [Small icons] > [User Accounts] > [Change User Account Control settings] > [Never notify] > [OK]. - LG Electronics and Microsoft recommend using User Account Control.
I want to reinstall the driver.	• Press the Start button [ ] and then select Settings [ ] > [Apps] > [Apps & features]. Then remove the driver to be reinstalled. • Press the Start button [ ], select and run [All apps] > [LG Update & Recovery]. Then, use the [Required Updates] or [Update list] menu to reinstall the drivers.
An error message appears.	• Check if the system is infected with a virus or a malicious code.

Appendix

Registered Trademark and Open Source Information

Microsoft™, MS™, WinPE™, and Windows® are the registered trademarks of Microsoft Corporation™.

USB Type-C™ and USB-C™ are trademarks of USB Implementers forum.

Thunderbolt™ and Thunderbolt™ logo are the trademarks of Intel Corporation in U.S.A. and/or other countries.

microSD® and the microSD logo are trademarks or registered trademarks of SD-3C, LLC.

Wi-Fi® is a registered trademark of Wi-Fi Alliance Corporation.

To obtain the source code that is contained in this product, under GPL, LGPL, MPL, and other open source licenses that have the obligation to disclose source code, and to access all referred license terms, copyright notices and other relevant documents please visit https://opensource.lge.com.
LG Electronics will also provide open source code to you on CD-ROM for a charge covering the cost of performing such distribution (such as the cost of media, shipping, and handling) upon email request to opensource@lge.com. This offer is valid to anyone in receipt of this information for a period of three years after our last shipment of this product.

ENGLISH

ENVIRONMENTAL INFORMATION

(India region only)

Disposal of your old appliance (as per e-waste Rules)

1. When this crossed out wheeled bin symbol is depicted on the product and its operator's manual, it means the product is covered by the e-waste Management and Handling Rules, 2011 and are meant to be recycled, dismantled, refurbished or disposed off.

2. Dos

   a. The product is required to be handed over only to the authorized recycler for disposal.

   b. Keep the product in isolated area, after it becomes non-functional/ un-repairable so as to prevent its accidental breakage.

Don't

a. The product should not be opened by the user himself/herself, but only by authorized service personnel.

b. The product is not meant for re-sale to any unauthorized agencies/scrap dealer/ kabariwalah.

c. The product is not meant for mixing into household waste stream.

d. Do not keep any replaced spare part(s) from the product in exposed area.

3. Any disposal through unauthorized agencies/person will attract action under Environment (Protection) Act 1986.

4. This product is complied with the requirement of Hazardous Substances as specified under Rule 13 (1) & (2) of the E-Waste (Management & Handling) Rules, 2011.

5. To locate a nearest collection centre or call for pick-up (limited area only) for disposal of this appliance, please contact Toll Free No. **1800-315-9999 / 1800-180-9999** for details. All collection centre and pick up facilities are done by third parties whith LG Electronics India Pvt. Ltd. Merely as a facilitator. For more detailed information, please visit : *http://www.lge.com/in*.

अपने पुराने निपटान के उपकरण (ई-अपशिष्ट नियम के अनुसार)

1. .जब इस काटे गए पहिये वाले बिन का चिन्ह किसी उपकरण और इसके ओपेरटर की पुस्तिका के साथ संलग्न होता है तो इसका मतलब है कि इसे "ई-अपशिष्ट "(प्रबंधन और हथालन) नियम २०११ के अंतर्गत सम्मिलित किया गया है , और इसे नवीनीकरणकरन ,विघटन और निपटान के लिए बनाया गया है ।

2. करें :

क . उपकरण को सिर्फ अधिकृत पुनः नवीनीकरणकर्ता को ही निपतारण करने हेतु हस्तांतरित करें ।

ख. जब उपकरण कार्यरत न हो इसे अलग क्षेत्र में रखें ताकि उपकरण से होने वाली दुर्घटनाओ से बचा जा सके ।

न करें :

क. इस उपकरण को स्वयं/खुद नहीं खोलना चाहिए ! उपकरण को केवल अधिकृत अधिकारी के द्वारा ही खोला जाना चाहिए ।

ख. इस उपकरण को पुनः बिक्री के लिए किसी भी कबाड़ीवाला / भंगार-वाला / अनाधिकृत संस्था को न दें ।

ग. इस उपकरण को किसी घरेलू अपशिष्ट सामान के साथ मिलाकर न रखें ।

घ. उपकरण के बदले हुए या आतंरिक पुरजो को खुले क्षेत्र में न रखें ।

3. यदि किसी अनाधिकृत विभाग या व्यक्ति के द्वारा निपटारन किया जाता है तो यह पर्यावरण (सुरक्षा) धारा १९८६ के अंतर्गत आता है ।

4. यह उत्पाद ई-अपशिष्ट (प्रबंधन और हथालन) नियम 2011 के अन्तर्गत 13(1) एवं (2) के तहत निर्दिष्ट खतरनाक पदार्थों की आवश्यकता का पालन करता है

5. उपरोक्त पदार्थों के निपटारन के लिए नजदीकी निपटारन संसथान (संकीर्ण क्षेत्र)में कॉल करें। अधिक जानकारी के लिए हमारे टोल फ्री नंबर **1800–315–9999 / 1800–180–9999** पर कॉल करें. सभी संग्रहण केंद्र व पिक-अप की सुविधाएं किसी थर्ड- पार्टी जो **LG Electronics India Pvt. Ltd.** को अपनी सेवाएं प्रदान कर रही हों, से करवाएं ।

ज्यादा जानकारी के लिए देखें वेब:साईट : http://www.lge.com/in

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