

## Product Specifications

### PC Specifications

Display	43.18 cm IPS LCD
CPU	Intel®Core™ i7 / i5 / i3 processor <b>The CPU differs depending on model type and cannot be replaced by the user.</b>
GPU	Intel®Iris® X <sub>e</sub> Graphics or Intel® UHD Graphics or NVIDIA® GeForce® MX570 with GDDR6 2GB or RTX2050 with GDDR6 4GB (MS Hybrid Graphics) When processing large graphic data, it utilizes dynamically allocated system memory. The size of the allocated memory depends on the system memory size. <b>The GPU differs depending on model type and cannot be replaced by the user.</b>
System Memory	LPDDR5 Onboard Memory Memory of 3 GB or more is supported only in a 64-bit O/S. <b>Memory size may differ depending on the model. The user must not arbitrarily replace or add the memory.</b>
Storage Device	NVMe™-type SSD (M.2 2280) <b>Storage device format and capacity may differ depending on the model.</b>
Bluetooth	Bluetooth 5.1 If you connect to Bluetooth device and wireless LAN at the same time, the system may become slow. In order to use Bluetooth 5.1, the device you want to connect to should support Bluetooth 5.1.
Wireless LAN	Intel® AX211D2W
Wireless function S/W	Version 21 or Version 22 (Europe Only)
Webcam	FHD IR Webcam
LAN	10/100 Megabit or Gigabit <b>To use a wired LAN, you need to have a LAN adapter installed separately. The performance of the provided adapter depends on the model.</b>
Product Weight	Approx. 1350 g (the model with integrated graphics, including battery) / Approx. 1350 g (the model with external graphics, including battery) <b>Weight varies by configuration and manufacturing process.</b>

The product dimensions and specifications differ by model type and cannot be replaced by the user.

## Wireless LAN Specifications (Europe Only)


Frequency Range	Output Power (Max)
(2400 – 2483.5 MHz) IEEE802.11 b/g/n/ax mode	20 dBm EIRP max (100 mW)
(5150 – 5725 MHz) IEEE802.11 a/n/ac/ax mode	23 dBm EIRP max (200 mW) The Low band 5.15-5.35 GHz is for in-door use only.
(5745 – 5875 MHz) IEEE802.11 a/n/ac/ax mode	13.98 dBm EIRP Max (25 mW)
(5925 – 6425 MHz) Wi-Fi 6E mode	23 dBm EIRP Max (200 mW)
(2400 – 2483.5 MHz) Bluetooth	13 dBm EIRP max (20 mW)

## Power Supply and Environments

AC Adapter (Free Voltage)	Power Rating: Up to 65.0 W Input: AC 100 V to 240 V, 1.6 A 50 / 60 Hz Output: DC 5.0 V, 3.0 A / 9.0 V, 3.0 A / 15.0 V, 3.0 A / 20.0 V, 3.25 A
Battery	Lithium Ion battery Charging Hours: 3.0 hours Charging hours may be longer if the battery is not used for a long time or the system is on. When temperature is outside the operating temperature specification, the battery may not be charged or charging hours may be longer. Operating temperature may be different from the actual room temperature.
Operating and Storage Conditions	Operating Temperature: 10 °C to 35 °C Operating Humidity: 20 % RH to 80 % RH Storage Temperature: - 5 °C to 40 °C Storage Humidity: 5 % RH to 90 % RH

## Power Consumption

Power consumption of this product during operation standby, sleep mode, and manual off modes may differ depending on the product specifications and the adapter type. Even when the system is turned off, it consumes a minute amount of power, if supplied. To cut off the power supply completely, disconnect the power cord from the power outlet.

To deactivate the Wireless network ports completely, shut down the system (select the Start button [  ] > [Power] > [Shut down]). When you turn on the system (by pressing the power button), it connects to the Wireless network ports again.

# Using Windows 11

## Starting


### Windows 11 Screen Layout

The taskbar in **Windows 11** has been changed so you can use **Windows** quickly and easily.




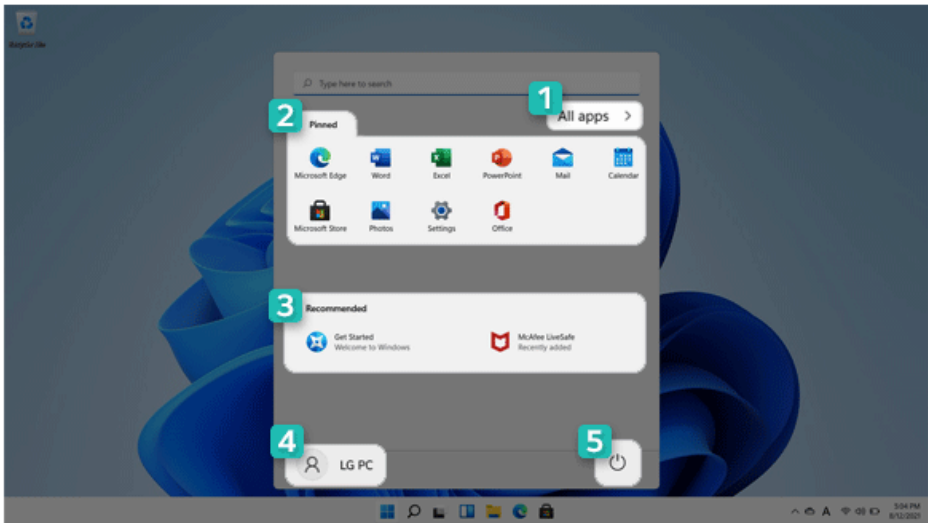
- 1 **Start Button:** It can run apps installed on your PC or use user accounts, power menu, etc.
- 2 **Search:** It can use apps, documents, and web search functions.
- 3 **Task View:** It can show and switch running apps or add/switch a new desktop.
- 4 **Widget:** It displays weather and news in the form of widgets.
- 5 **File Explorer:** File Explorer will run.
- 6 **Microsoft Edge:** Microsoft Edge will run.
- 7 **Microsoft Store:** Microsoft Store will run.
- 8 **Quick Settings:** It displays network, sound, and battery status, and enables you to easily change PC settings.
- 9 **Notifications:** It can check the time or calendar, and system-related notifications are displayed.

## Start Screen

If you select the Start button [  ] on the taskbar, the Start screen will appear.



### Tip

Press the [  ] key or [Ctrl] + [Esc] on the keyboard to display the Start screen.



- 1 **All apps:** It shows all the apps installed on your PC.
- 2 **Apps pinned on the Start screen:** It shows the apps pinned on the Start screen.
- 3 **Recommended:** It displays the recommended apps.
- 4 **User Account:** Displays the current user's information. You can use functions such as Change Account Settings, Lock or Sign out.
- 5 **Power:** Sleep, Shut down, and Restart menus are available.

### Tip

- Press [  ] + [X] keys, and then the pop-up menu of the Start button [  ] appears. You can use the pop-up menu to easily access the shortcuts such as Windows Explorer, Search, System Shutdown, and Desktop.

## Desktop Apps and Windows Apps

The Desktop apps remain unchanged from the previous Windows apps, but Windows apps have been changed to include various functions.

The Windows apps provide easy-to-use menus according to the window size and a variety of convenient functions such as Update and Alarm.


# Using Apps

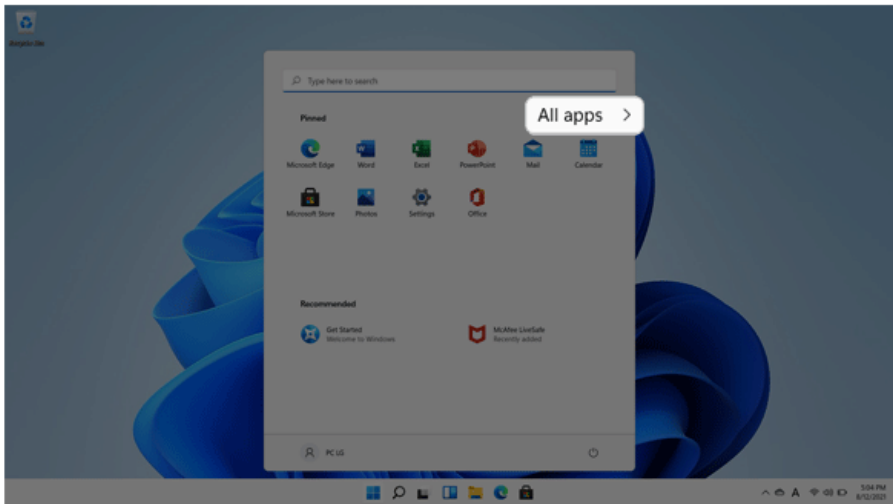
## Running and Exiting Apps

Run apps that were not pinned to the Start screen or apps that were installed on the system using the following method.

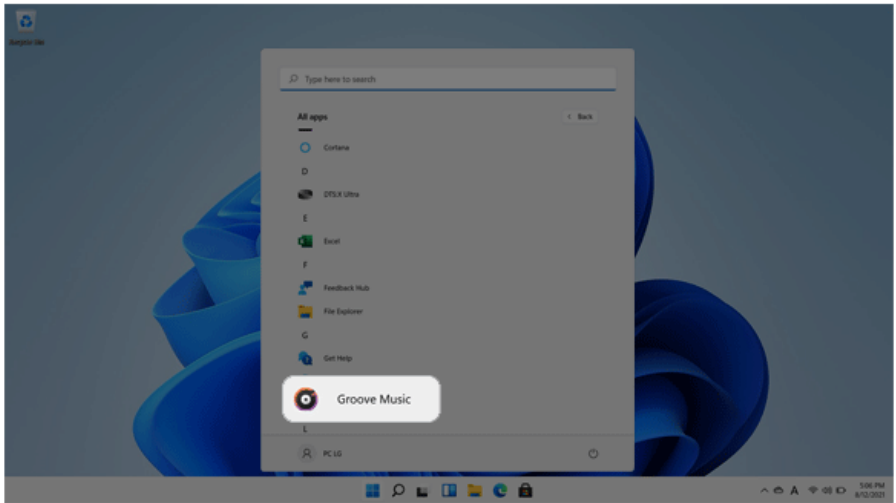
- 1 Select the Start button [  ] > [All apps].

**Tip** **TIP**

Press the [  ] key or [Ctrl] + [Esc] on the keyboard to display the Start screen.



## 2 Select and run an app.



## 3 To close the app, select the Close button [ X ] at the top of the app screen.

### Deleting Apps


It can delete apps pinned to the Start Screen or delete desired apps in **[All apps]**.

#### **TIP**


The basic Windows apps that are required may not be deleted.

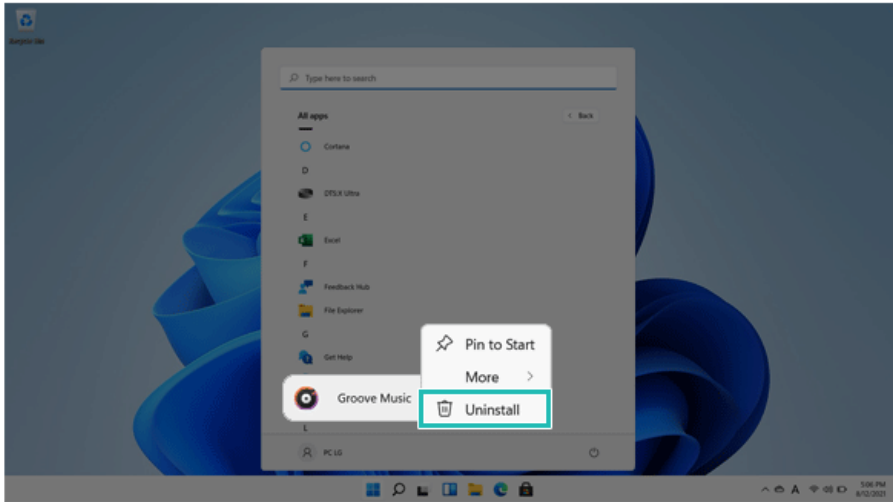
If you are deleting a desktop app, the **[Programs and Features]** window appears. Right-click the app you want to delete and select **[Uninstall/Change]** to delete the app.



- 1 Select the Start button [  ] and right-click the app you want to delete from the Start screen or [All apps] to select [Uninstall].

**TIP**

Press the [  ] key or [Ctrl] + [Esc] on the keyboard to display the Start screen.




- 2 When prompted to confirm the deletion, select [Uninstall] to delete the app.

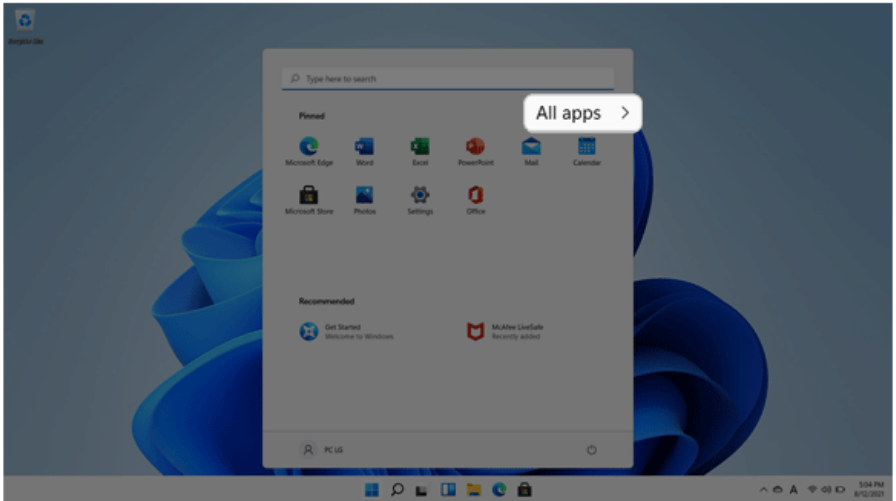
### Adding Apps to Start Screen/Taskbar

You can add frequently used apps on the Start screen and taskbar for easy and quick access.

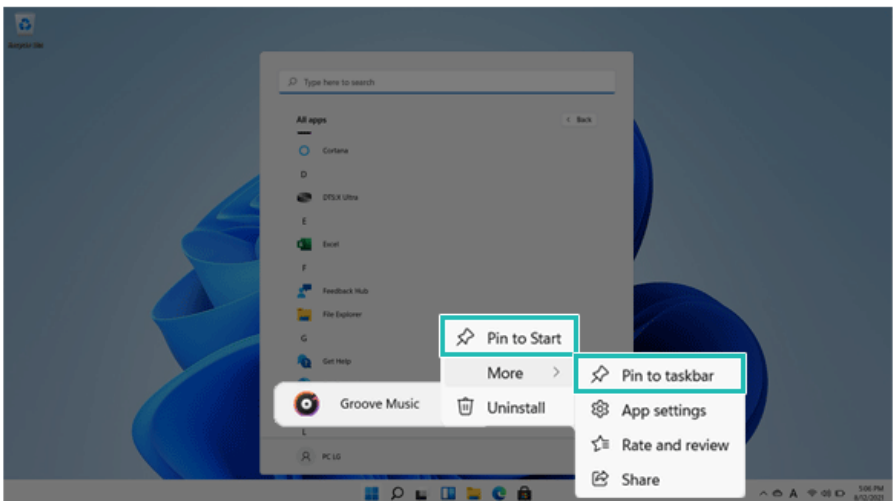
- 1 Select the Start button [  ] > [All apps].

**Tip** TIP

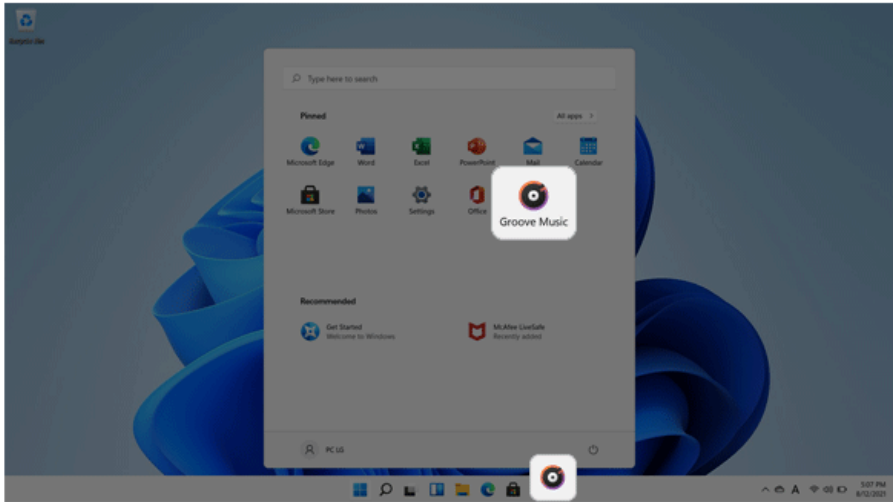
Press the [  ] key or [Ctrl] + [Esc] on the keyboard to display the Start screen.



- 2 Right-click the app you want to add and then click [Pin to Start] or [More] > [Pin to taskbar].



- 3 The app is added to the Start Screen or taskbar.




## toggling and Adding Apps/Desktops

In **Windows 11**, you can toggle the running apps easily and quickly, and add desktops to use them like multiple PCs.

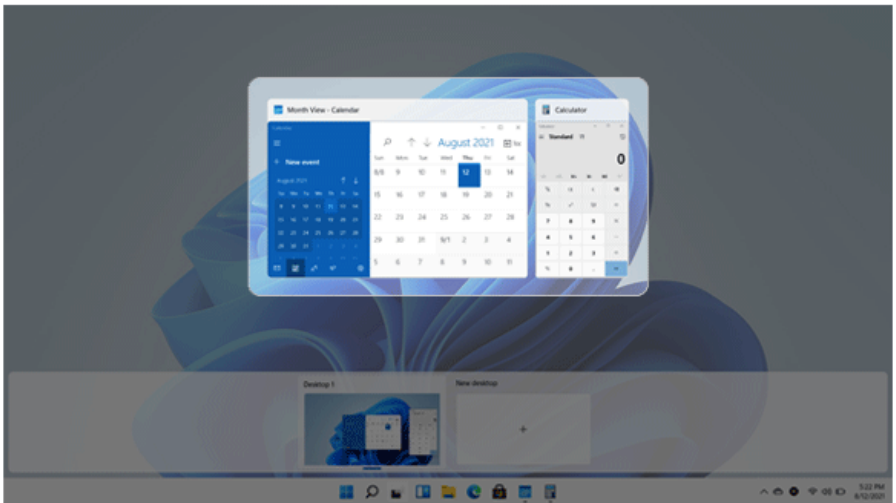
**Tip** **TIP**

For an app that does not allow multitasking, you may be switched to the desktop where the app was executed, or you may have an error message.

- 1 If you select [  ] on the taskbar, running apps and desktops are displayed as previews.

**Tip** **TIP**

If you select the Close button [  ] of the app displayed as preview, you can close the app.

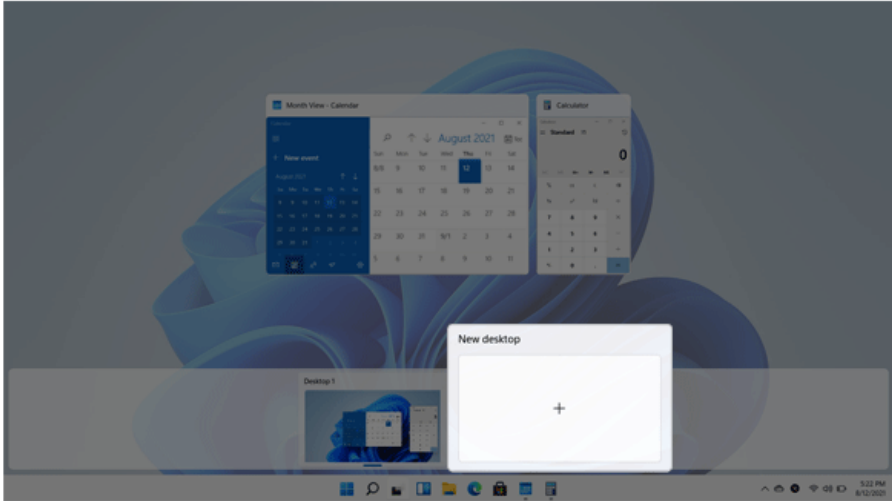


- 2 Select **[New desktop]** to create **[Desktop 2]**.

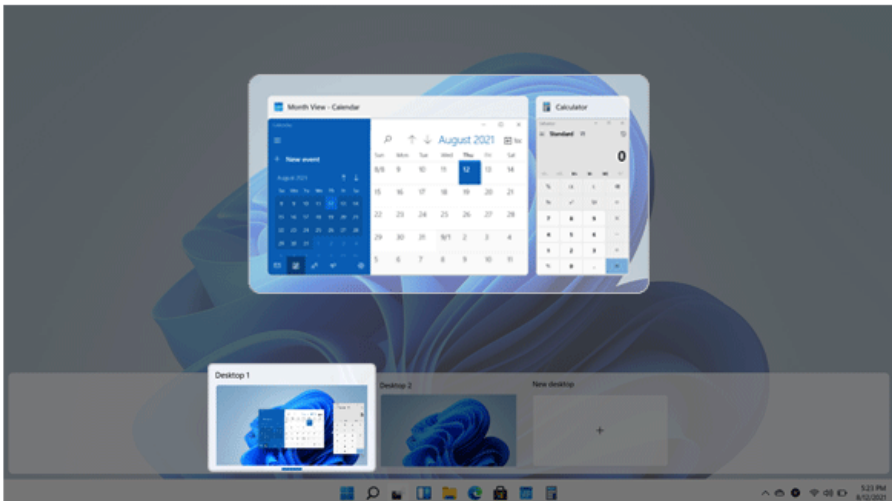
**Tip** TIP

In the desktop preview, press the Close button [ X ] to delete the desktop and move running apps to another desktop.

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- 3 Select an app in the preview or desktop.



- The screen is toggled to the selected app or desktop.

### Using Shortcut Keys

Use the shortcut keys to quickly toggle between apps and desktops.


Shortcut Keys	Description
[Alt] + [Tab]	Hold down the [Alt] key and press the [Tab] key to view the running apps in the preview. Press [Tab] repeatedly to select the app you wish to switch to and then release the [Alt] key.
[Alt] + [Ctrl] + [Tab]	The running apps on the screen are displayed in the preview. Select and switch to an app.
[  ] + [Tab]	If the desktop toggling screen appears, select an app or desktop you wish to switch to.

## Using the Store


You can purchase a variety of apps or get free apps from **Microsoft Store**.

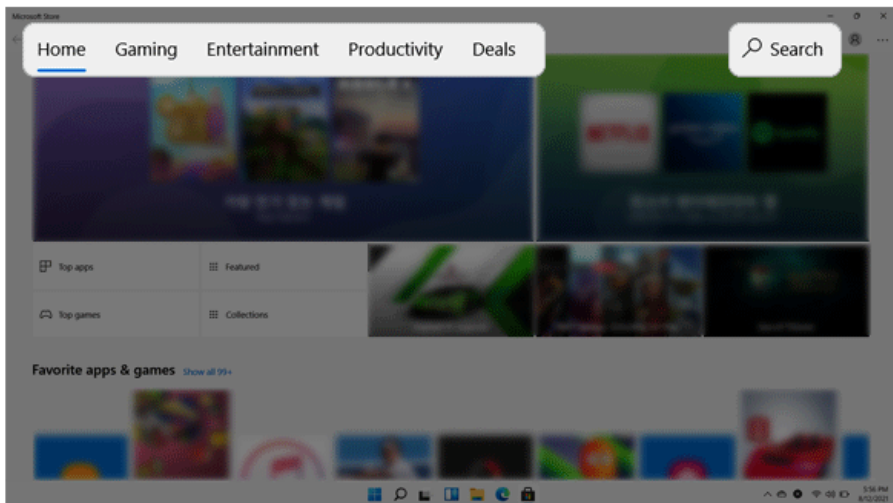
### Tip TIP

If a local account is being used, a window to switch to a **Microsoft** account appears while using Windows Store. Follow the instructions on the screen to switch the local account to a **Microsoft** account.

You can also switch to **Microsoft** account by selecting Start button [  ] > [User Account] > [Change account settings].

If you switch to a **Microsoft** account, your PC settings (background, user settings, etc.) may be changed to the previous settings.

- 1 Select [  ] on the taskbar to run [Microsoft Store].
- 2 Select the app or use the search function on the store screen to install the desired app when the [Microsoft Store] screen appears.

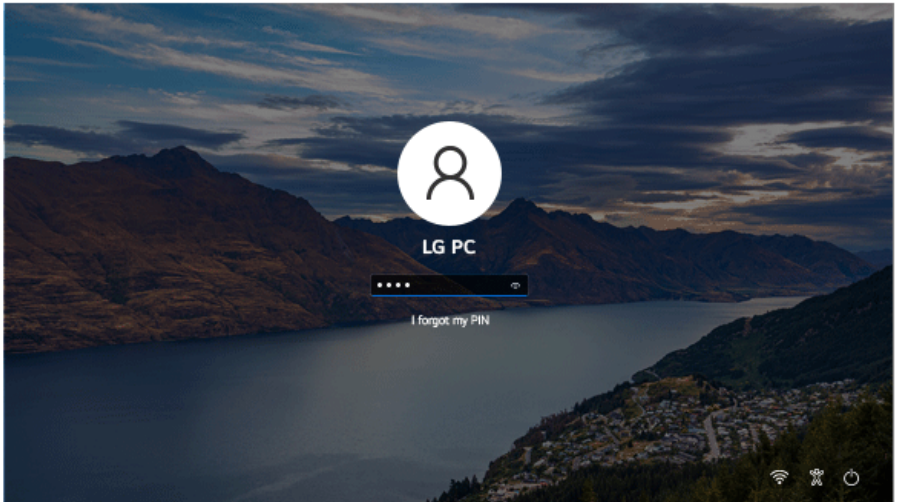


## Unlocking the Screen

If the PC is not used for an extended period, it goes into a locked state.

When the PC is used again, a lock screen appears for security purposes and may be unlocked by using the following method.

- 1 Press any key in the keyboard or left-click the mouse on the lock screen.
- 2 If the login screen appears, enter the password.  
(If no password is set, the screen will be released when you select the login.)



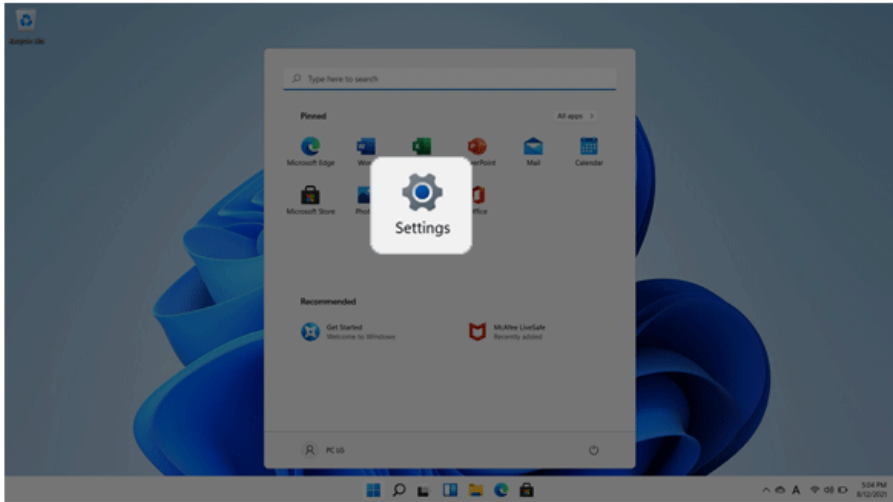


## Setting the PC

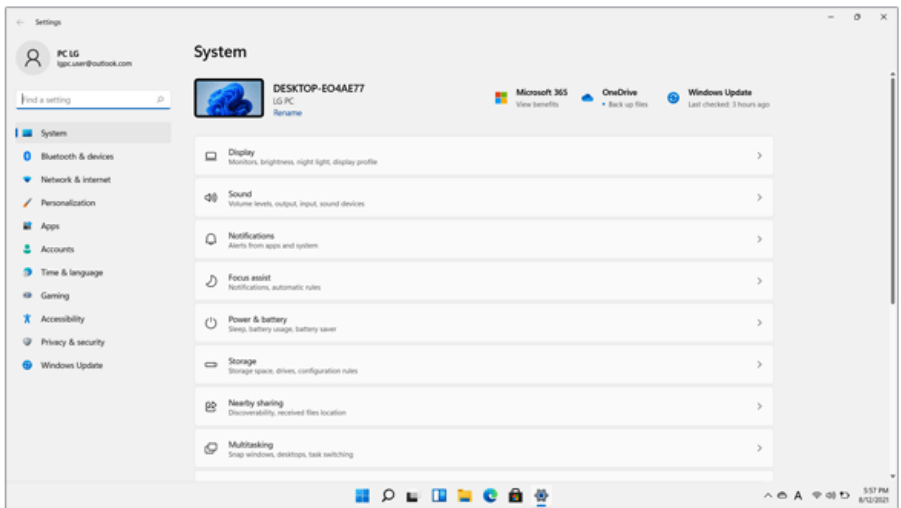
**Windows 11** supports various functions so that the user can change the PC setting easily and quickly.

### Using the **Setting** Menu

- 1 Select the Start button [  ] > [Settings].



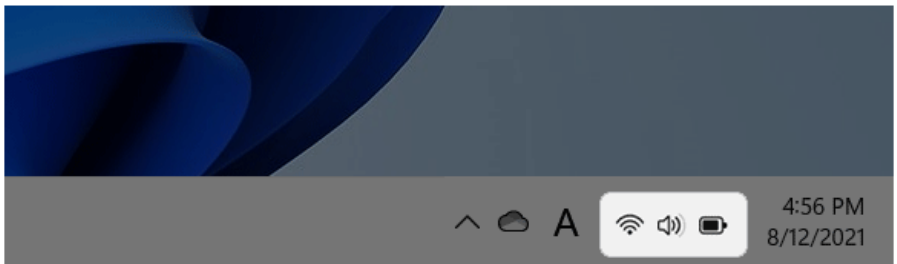
2 When the **Settings** screen appears, select and change the settings as needed.



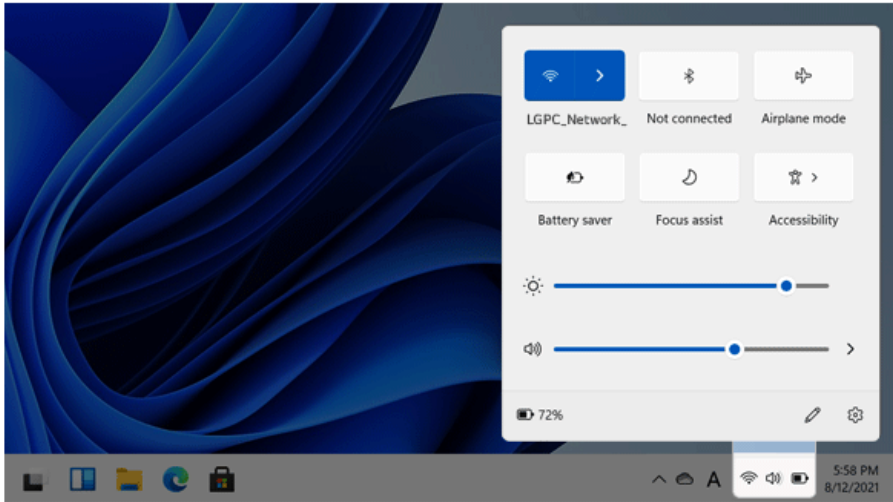
### Using the **Quick Settings**


**Quick Settings** allows users to change the PC settings quickly and easily.


1 Select **[Quick Settings]** on the right side of the taskbar.



- 2 Select the desired setting from **[Quick Settings]** and change.


**Tip**

Selecting the [  ] icon allows you to add/remove the **Quick Settings** menu.


Select the [  ] icon to run the **[Settings]** menu.

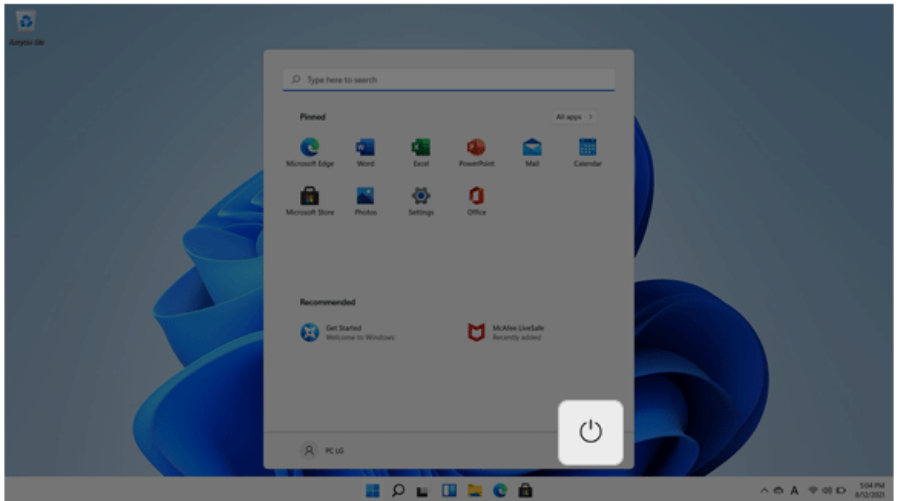
## Windows Shutdown Option

In **Windows 11**, you can use the Windows shutdown option by following these steps:

- 1 Select the Start button [  ] > [Power] and select the desired Windows shutdown option.

**Tip** TIP

Press the [  ] key or [Ctrl] + [Esc] on the keyboard to display the Start screen.

**Tip** TIP

On the Desktop screen, press [Alt] + [F4] to use the Windows shutdown option.  
(Pressing [Alt] + [F4] on a running app may end the app.)

# Using the PC

## Using an AC Adapter and a Battery

Connect the AC adapter to power and charge the product.

**TIP**

The power cable and the AC adapter type may differ per model type and country and there is no difference in functionality.

This product has a built-in battery pack.

The internal battery should not be arbitrarily disassembled or replaced. Arbitrarily disassembling the product may void the warranty.

If you need to disassemble or replace the battery, please visit the designated LG Electronics Service Center.

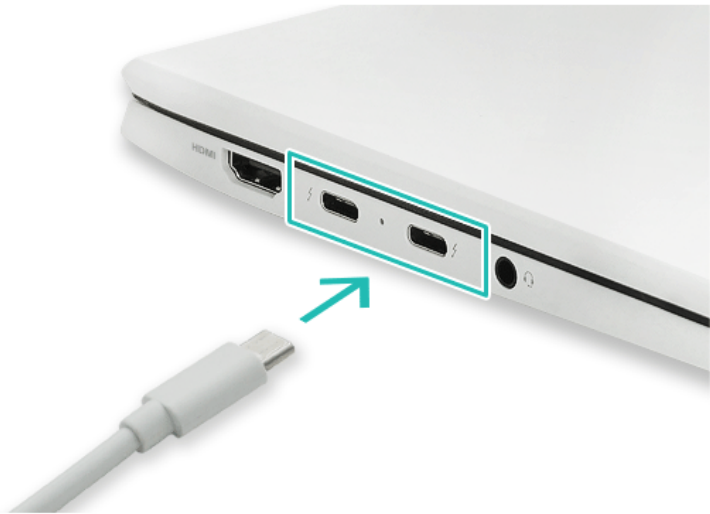
We charge a fee for removing or replacing the battery.

### Using an AC Adapter

The AC Adapter can be used from 100 V to 240 V.

- 1 Connect the AC adapter to a power outlet.

- 2 Connect the AC adapter jack to the PC USB-C™ port.



- 3 Adjust the LCD to the most comfortable angle.
- 4 Press the PC's power button to turn on the system.

**Tip** TIP

- If you want to use the Intel Type-C fast-charging function, please purchase and use a USB-C™ AC adapter with a USB PD certification of 80 W or higher through the e-commerce site.

**CAUTION**

**Do not leave a liquid container on the PC.**

- The system may be short-circuited and damaged.

**WARNING**

**Please use an AC adapter certified by LG Electronics Inc.**

- Uncertified batteries may explode.
- It may cause a problem in battery charging or system operation.

**When you use an AC adapter, follow the below directions.**

- 60 °C or more high-humidity spaces, for example, inside cars or saunas, should be avoided when you use or store it.
- Do not disassemble or modify the AC adapter.
- Do not twist the AC adapter plug.
- When you connect the AC adapter, do not forcefully push the plug.

### Checking the Battery State

Connect the AC adapter to the USB-C™ port of the PC and check the AC adapter lamp.

- On: When the AC adapter is connected and charging is complete
- Blinking: When the AC adapter is connected and is charging
- Off: When the AC adapter is not connected

**If you try to turn on the system that has entered the Hibernate 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.**



**CAUTION**

**Use batteries certified and acknowledged by LG Electronics Inc.**

- Uncertified batteries may explode.

**WARNING**

**The battery may explode due to excessive heat, causing fire. For a safe and efficient use of battery, follow the below directions.**

- Do not short-circuit the battery.
- Keep the battery out of reach of children.
- A visible swelling of the battery pack indicates a possible danger. When this occurs, contact your local vendor or service center immediately.
- Use only a certified and designated recharger.
- Keep the battery pack away from heat. (Never put it in a microwave.)
- Do not leave inside a car under the summer heat.
- Do not leave or use at a hot and humid place like a sauna.
- Do not use the machine placed on a heating blanket or other heat reserving materials.
- Do not leave the machine turned on inside a closed space.
- Make sure that the battery ports are not touched by any metallic objects like a key, coin, necklace, and watch.
- Use only a lithium secondary battery certified and guaranteed by mobile device manufactures.
- Do not disassemble or modify the battery. Do not compress or pierce the battery.
- Do not apply shock to the battery. For example, do not drop the battery from a high place.
- Keep the room temperature between  $-5\text{ }^{\circ}\text{C}$  and  $40\text{ }^{\circ}\text{C}$ . Do not expose the PC to heat hotter than  $60\text{ }^{\circ}\text{C}$ .
- Keep the machine dry.
- Do not discard the battery arbitrarily as you are requested to follow the local procedure for discarding the battery.
- Before using this machine, read this guide carefully.



**TIP****When the PC is not to be used for a long period of time, refer to the following:**

- Check the battery charge level on a regular basis and keep it at 50 %. This allows you to extend the battery life.
- If the battery is left fully charged for an extended period of time, the battery capacity and battery running time may be reduced.
- If the battery is left fully discharged for an extended period of time, it may become over-discharged and cannot be charged again.

**For more efficient use of the battery, read the following carefully.**

- The battery runs low naturally even if it is kept unused.
- 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 discharged, the battery lifespan may decrease.

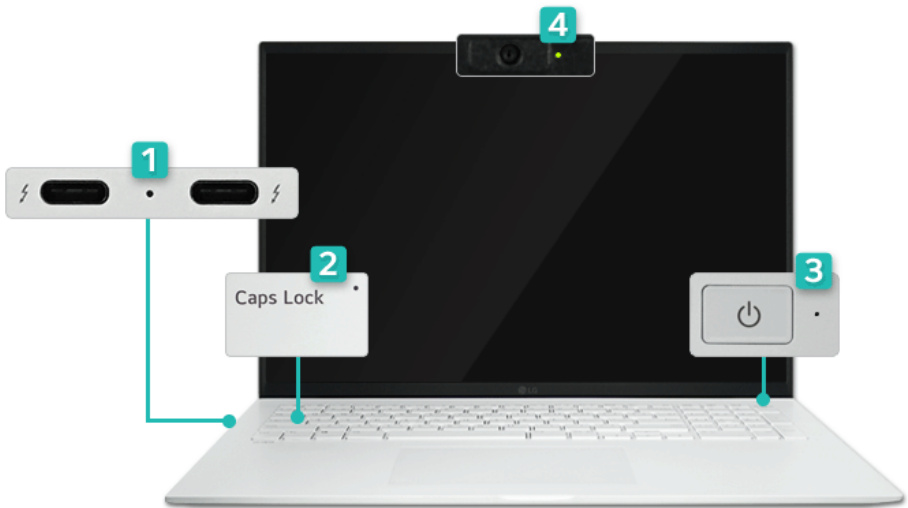
**The battery capacity may change due to chemical reactions during charge and discharge.**

- LG Notebook frequently checks the charge level of its battery based on usage conditions, and then calculates and correctly indicates the actual remaining level of the battery.
- The battery is wearable goods and thus the life span may become shorter with use. The battery running time may also become shorter accordingly.
- When the battery is fully charged, the machine stops recharging. It resumes recharging when the battery charge rate drops below 95 %. This feature secures the safe and efficient use of the battery.
- When the temperature of the battery drops below 10 °C, it is charged in a low current to protect the battery cells. In this case, charging time may stretch to up to 32 hours.

**If you use the system at a low temperature, refer to the following:**

- The battery capacity may be reduced depending on the chemical characteristics of the battery and the system may not be turned on after it freezes or it is turned off.
- If the system freezes or if it is not turned on, connect the AC adapter to the system and charge the battery fully before use.
- If there is any error in the indication of the battery capacity, charge and discharge the battery two or three times at room temperature to return to the normal operation.

## Operation Status Lamps



### 1 AC Adapter Lamp

- On: When the AC adapter is connected and charging is complete
- Blinking: When the AC adapter is connected and is charging
- Off: When the AC adapter is not connected

**If you try to turn on the system that has entered the Hibernate 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.**

### 2 Caps Lock Lamp

- On: When the **Caps Lock** is activated
- Off: When the **Caps Lock** is deactivated

### 3 Power Lamp

- On: When the system is on and running by the AC adapter or battery
- Off: When the system is turned off or in Hibernate mode
- Blinking: When the system is in the standby mode

### 4 Webcam Operation Status Lamp

- On: When the webcam is operating
- Off: When the webcam is not operating

## Keyboard

The keyboard allows the user to input data or give commands.

**The keyboard may differ in appearance and color depending on your country.**




### CAUTION

- Spilling a watery substance like coffee or juice on the keyboard may cause a fault, malfunction, or electric shock.
- Some of the keys may not work properly when you use several keys at the same time while playing a PC game.
- Please change the key combination settings according to the combinations necessary for the game play or use an external keyboard dedicated for gameplay.

### Using Hot Keys

Hot Keys are shortcut keys that can run some functions and software of the PC, and using them allows you to use the PC more easily.

Fn + F1	Executes <b>LG Smart Assistant</b> .
Fn + F2	Adjusts screen brightness (brightness decreases in 11 levels).
Fn + F3	Adjusts screen brightness (brightness increases in 11 levels).
Fn + F4	Switches to the <b>Secure Mode</b> Each time you press the [Fn] + [F4] keys, it switches in the order of <b>Secure Mode On</b> (webcam, microphone unavailable) and <b>Secure Mode Off</b> (webcam, microphone available).
Fn + F5	Switches to using the Touchpad Mode. Each time you press the [Fn] + [F5] keys, the mode switches between <b>Touchpad Off</b> (touchpad disabled) and <b>Touchpad On</b> (touchpad enabled). To set <b>Touchpad Auto</b> (disables automatic use of touchpad when inserting an external USB mouse), select the Start button [  ] > [Settings] > [Bluetooth & devices] > [Touchpad] and uncheck [Leave touchpad on when a mouse is connected] in [Touchpad]. Each time you press the [Fn] + [F5] keys, the mode switches between <b>Touchpad Off</b> and <b>Touchpad Auto</b> . <b>Since it takes about 1 to 2 seconds to initialize after switching to the touchpad function, we recommend you to use the device after initialization is completed.</b>
Fn + F6	Airplane Mode ON/OFF (Wireless LAN and Bluetooth OFF/ON)
Fn + F7	Switches to the monitor (projector).
Fn + F8	Switch to the <b>Keyboard Backlight</b> Mode (Only applies to models with keyboard backlight).




Fn + F9	Switches to the <b>Reader Mode</b> .
Fn + F10	Mute
Fn + F11	Adjust the volume (lower)
Fn + F12	Adjust the volume (louder)
Fn + Prt Sc	Works as the Scroll Lock [Scr Lk] key.
Fn + PgUp	Works as the [Home] key.
Fn + PgDn	Works as the [End] key.
Fn + S	Switches to the <b>Sleep Mode</b> (runs in the mode set in Windows. (Example: Sleep Mode, Hibernate Mode)).
Fn + Ctrl	Works as the [Pop-up Window] key.

### Shortcut Keys

**TIP**

- To change the input mode temporarily, you can press the [Shift] key together with the letter you want to enter. By doing so, you can enter an uppercase letter when the **Caps Lock** key is not pressed and a lowercase letter when it is pressed.

**To use Windows more conveniently, remember the following Windows key combinations:**

-  + R  
Displays an input window for program execution.
-  + Tab  
Displays the running desktop in the preview.
-  + M  
Minimizes the current window.

## Keyboard Backlight

You can set the **Keyboard Backlight** function to use the product in a dark environment.

The figures herein are subject to change without prior notice.



### OPTION

This only applies to the products that have the **Keyboard Backlight** function.


### Configuring Keyboard Backlight

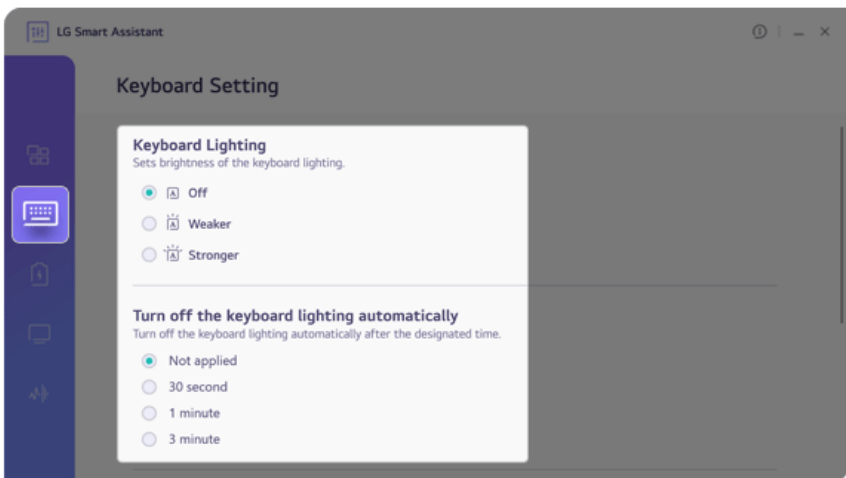


### TIP

You can use hot keys to use the **Keyboard Backlight** function more conveniently.

- Each time you press the [Fn] + [F8] keys, the status changes to **KBD Backlight Off**, **KBD Backlight Low**, and then **KBD Backlight High** in the specified order.

- 1 Select the Start button [  ] > [All apps] and run [LG Smart Assistant].
- 2 Select [Keyboard Setting] and set the keyboard lighting and its off time.

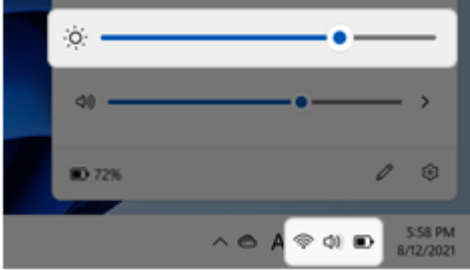
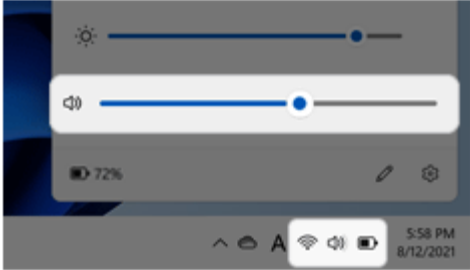



## Adjusting Screen Brightness and Volume

LG PC allows you to use the hot keys to easily adjust the screen brightness and volume.

**TIP**


According to the model type, a button for volume control (mute, volume up / down, DTS, etc.) may be available.

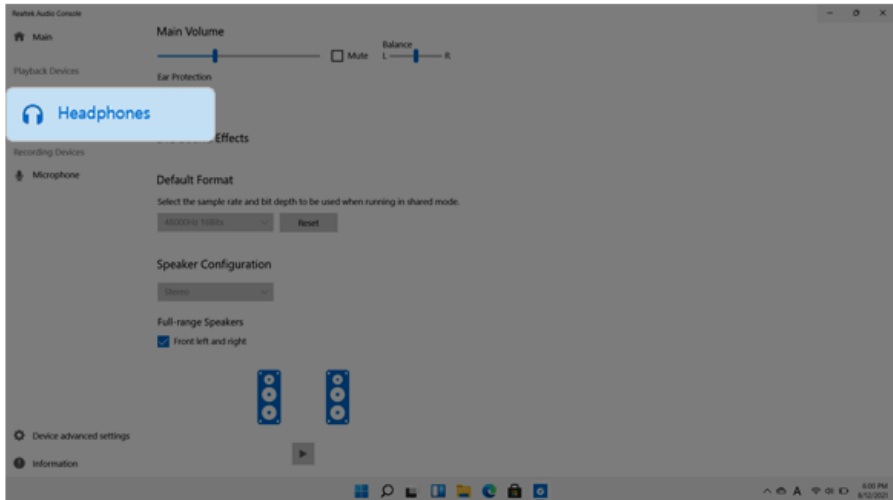
Function	Hot Keys	Description
Screen Brightness	[Fn] + [F2], [F3]	<p>Press the [Fn] + [F2] keys to darken the screen and the [Fn] + [F3] keys to brighten the screen.</p> <p>The screen brightness adjustment bar in <b>[Quick Settings]</b> on the right side of the taskbar allows you to adjust the system brightness.</p> 
Volume	[Fn] + [F11], [F12]	<p>Press the [Fn] + [F11] to lower the volume and [Fn] + [F12] to increase the volume.</p> <p>The volume adjustment bar in <b>[Quick Settings]</b> on the right side of the taskbar allows you to adjust the volume.</p> 
Mute	[Fn] + [F10]	<p>Whenever you press [Fn] + [F10], it operates as mute/unmute.</p> <p>If you select the [  ] icon in <b>[Quick Settings]</b> on the right side of the taskbar, you can enable or disable the mute function.</p>

## Hearing Protection Feature

The product is equipped with a hearing protection feature to protect your ears from pressurized sound while using earphones or headphones.

The feature is set to off by default and can be manually turned on as follows:

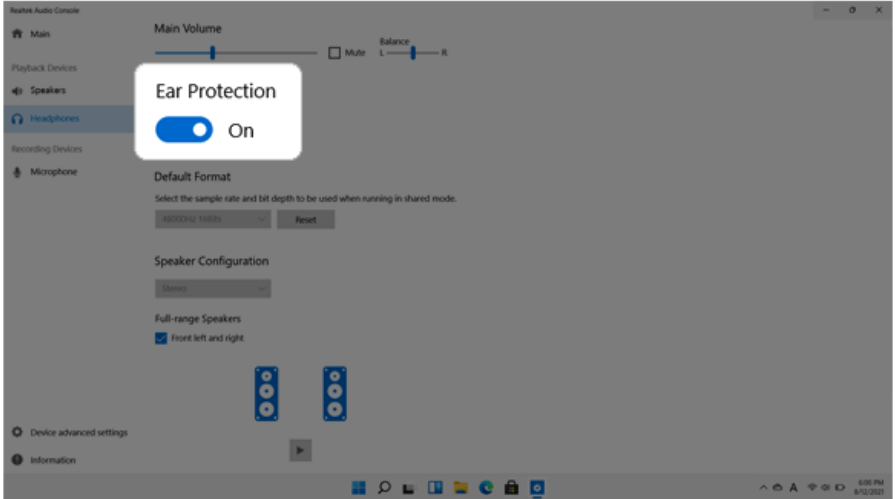
- 1 Select the Start button [  ] > [All apps] > [Realtek Audio Console].
- 2 Connect an earphone or headphone and select the [Headphones] menu.



- 3 Set **[Ear Protection]** to **[On]** to activate the hearing protection feature.

**Tip** TIP

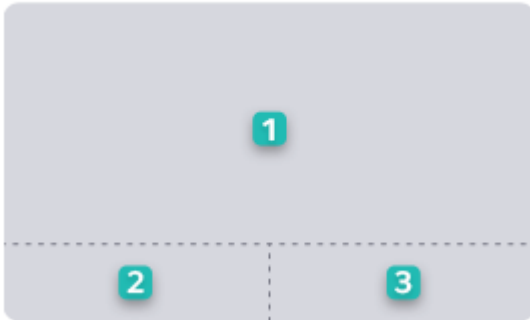
A warning message will be displayed if the volume is high while this feature is on.





## Using the Touchpad

The built-in touchpad provides the same functionality as an external mouse. You can use the touchpad and USB mouse simultaneously.



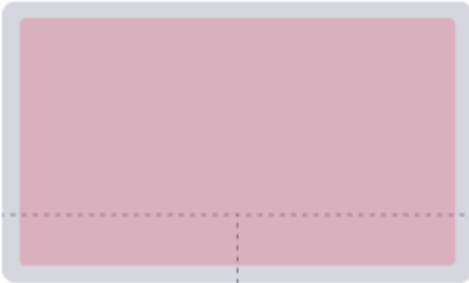
- 1 Touchpad
  - Moves the cursor.
- 2 Left button
  - Use to select or execute programs.
- 3 Right button
  - Functions as the right button of a mouse in most cases. However, the usage may differ depending on programs.

**Tip** TIP

The scroll function is provided as a gesture. Please refer to the Touchpad Gesture section of this document.

**Precautions for Using the Touchpad**

- If you are using a touchpad, use the area marked with a red line shown below. Touching an edge or border of the touchpad may not work. (The functioning touch area may differ depending on the product.)

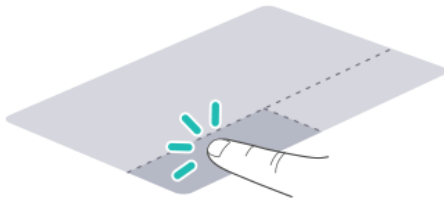
**Moving the Cursor (Pointer) on the Screen**

Place a finger on the touchpad and glide the finger.

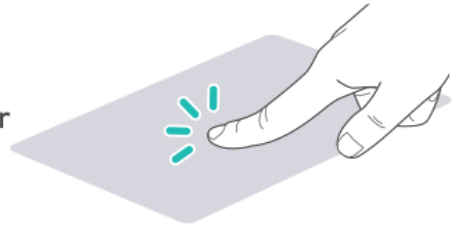
**Click (Select)**

Press and release the left button swiftly with a finger. (Or tap the touchpad once.)

Do this, for example, to select a menu or icon and to place the cursor to type on a word processor file.

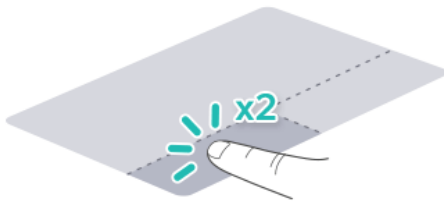


or



### Double-click (Execute)

Press the left button twice consecutively and release the button. (Or tap the touchpad twice.)  
Do this, for example, to run a program after selecting its execution file (or icon).



or



### CAUTION

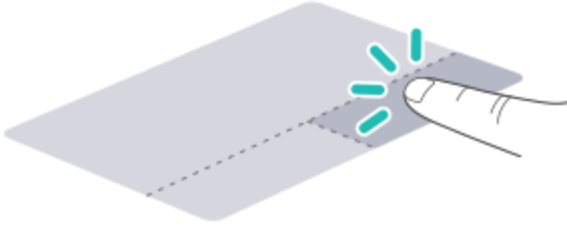
#### Notes on Using the Touchpad

- Do not use a sharp object such as a pen on the pad nor peel the cover. It may cause an impairment.
- Do not place more than one finger, and do not use while wearing a glove or when the hand is wet. The Touchpad will not work properly. Oil or dirt at the fingertip can also cause an impairment.
- The touchpad is sensitive. Do not impose excessive force or maintain an uncomfortable position. Otherwise, it may result in a finger or wrist injury.

### Right button

Press and release the right button swiftly.

Functions as the right button of a mouse, but the usage may differ depending on programs.

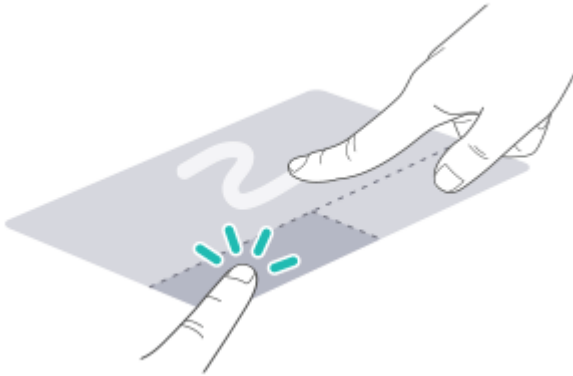


### Drag & Drop

To drag, click and hold an icon, and move it to another location.

To drop, release the dragged icon in the location you want.

To move a file icon to another folder or to **Recycle Bin**, place the cursor (or the pointer) on the icon, press and hold the left button, and glide another finger on the touchpad until the icon reaches the aimed location. After reaching the destination, release the left button.



#### 1 Drag

- Glide one finger on the pad with another finger pressing and holding the left button.

#### 2 Drop


- Release the left button to drop it into the **Recycle Bin**. (By using this, you can drop a file into the **Recycle Bin** at will.)

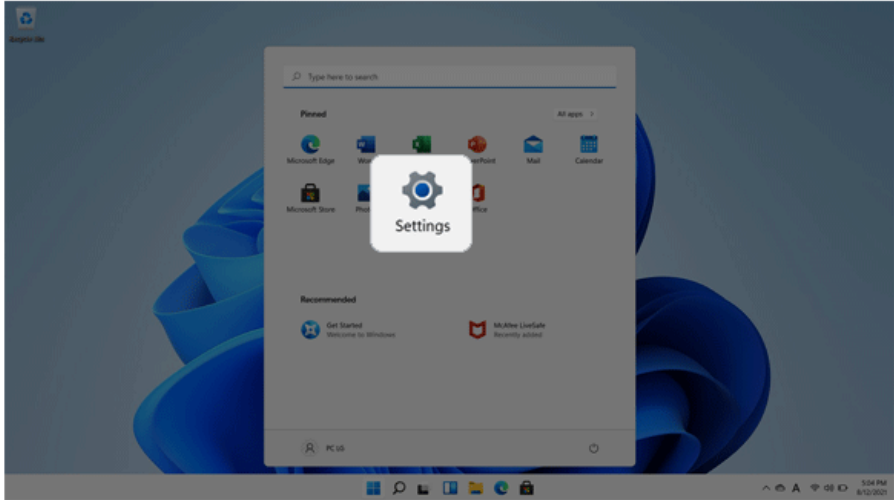
### ClickLock

When activated, this feature allows you to drag/scroll without pressing and holding the left button.

- 1 Select the Start button [  ] > [Settings].

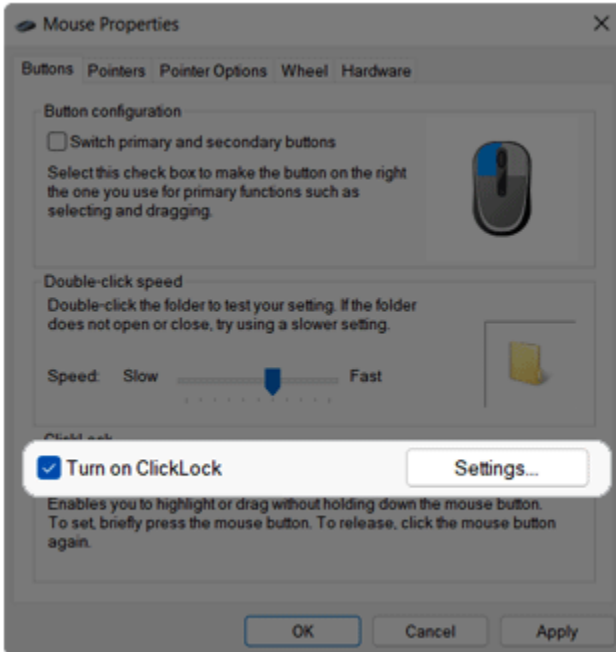
**Tip**

Press the [  ] key or [Ctrl] + [Esc] on the keyboard to display the Start screen.

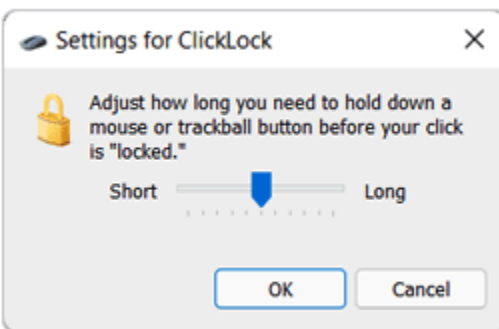


- 2 Select [Bluetooth & devices] > [Mouse] > [Additional mouse settings].

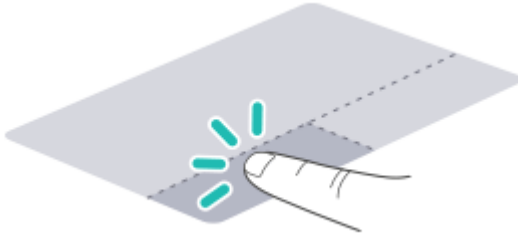
- 3 Check **[Turn on ClickLock]** and select **[Settings]**.



- 4 Set the duration of ClickLock operation.



- 5 Press the left button of the touchpad and release it to change the button into the pressed state.



- 6 Move on the touchpad to use the drag/scroll feature.



- 7 Press the left mouse button to turn off the ClickLock.

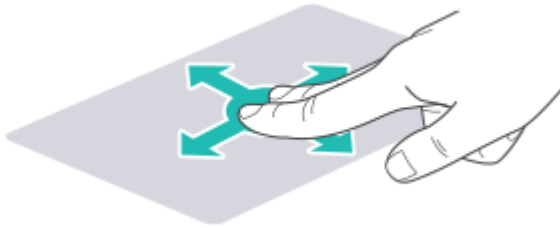
### Touchpad Gesture

The touchpad gesture feature allows you to use Windows programs more easily by utilizing multi-touch functions.

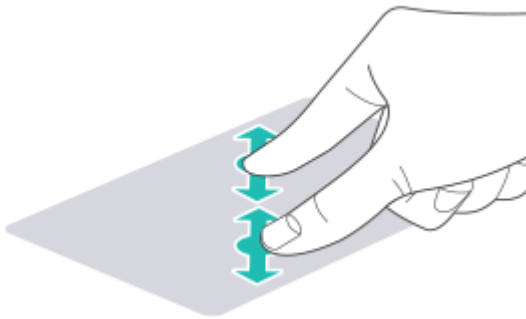
Windows 11 Touchpad Gestures allow you to use the PC more easily.

**The touchpad gesture feature may not be supported in some models.**

- Place two fingers on the touchpad and move up/down/left/right to scroll the screen. (It operates only on an app or screen which scrolling is available.)



- Place two fingers on the touchpad and widen or narrow them to zoom out or in.







## Setting Touchpad

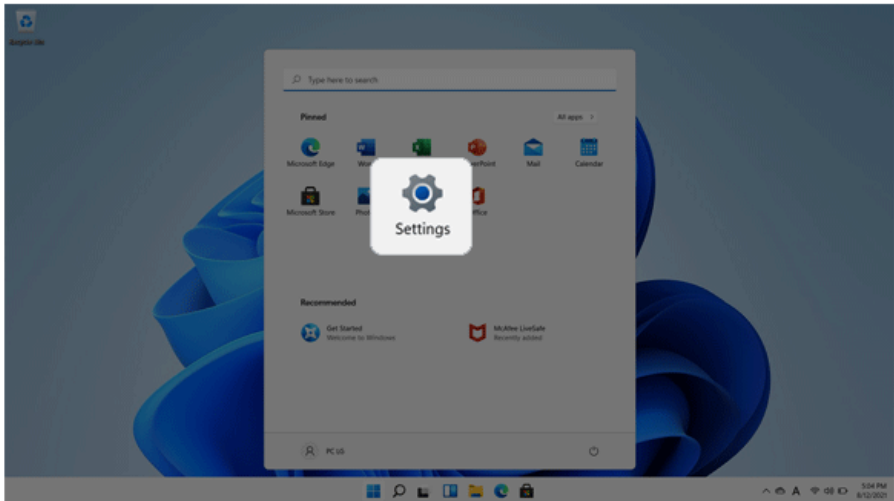
You can change the touchpad features or enable/disable the gesture feature.

The figures herein may differ by language selection and are subject to change without prior notice.

- 1 Select the Start button [  ] > [Settings].

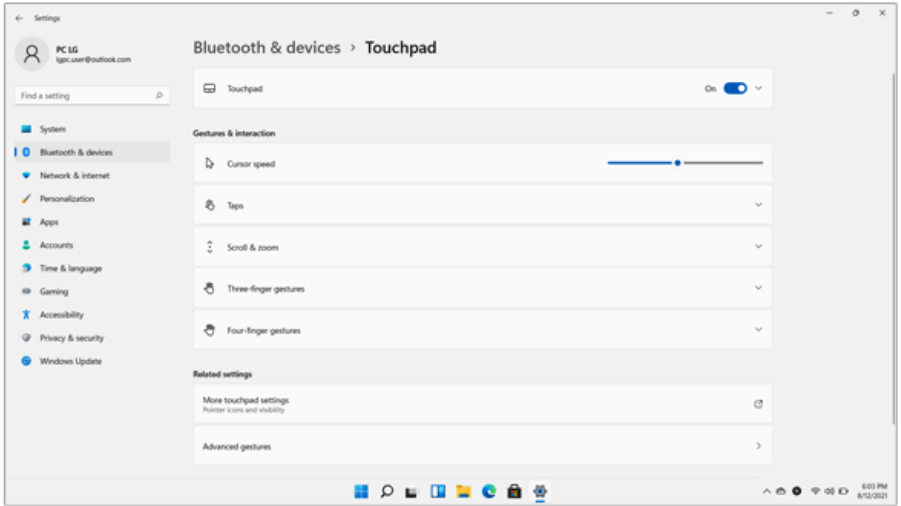
**TIP**

Press the [  ] key or [Ctrl] + [Esc] on the keyboard to display the Start screen.



- 2 Select the [Bluetooth & devices] > [Touchpad].

3 Change the settings as needed on the [Touchpad] item.



## Connecting to External Display

### Connecting to the HDMI Port

HDMI is a multimedia interface that can integrate and transmit video and audio signals.

**In some models, DTS Audio may not work when you use HDMI.**

**TIP**


Ensure the monitor power is off before connecting the external monitor to the PC.  
Use '**HDMI to VGA Gender**' to connect to VGA port.

- 1 Connect the HDMI cable to the PC and the external device (TV, monitor) that supports HDMI. HDMI port transfers both video and audio simultaneously. Hence, there is no need for a separate audio connection.



- 2 On the PC, press [Fn] + [F7] to display monitor (projector) toggling screen. Select the desired screen output.

**TIP**

- Everytime [  ] + [P] keys are pressed, the screen output option changes. Release the keys to display the selected screen output.



**CAUTION**

- If you do not set Speaker as the default value after disconnecting the HDMI cable, the system may not produce any sound.
- If a program was running already, you must exit and restart the program to produce sound.


## Connecting to Wireless Display

The wireless display feature connects the PC screen and sound to a display (TV, projector, etc.).


### OPTION

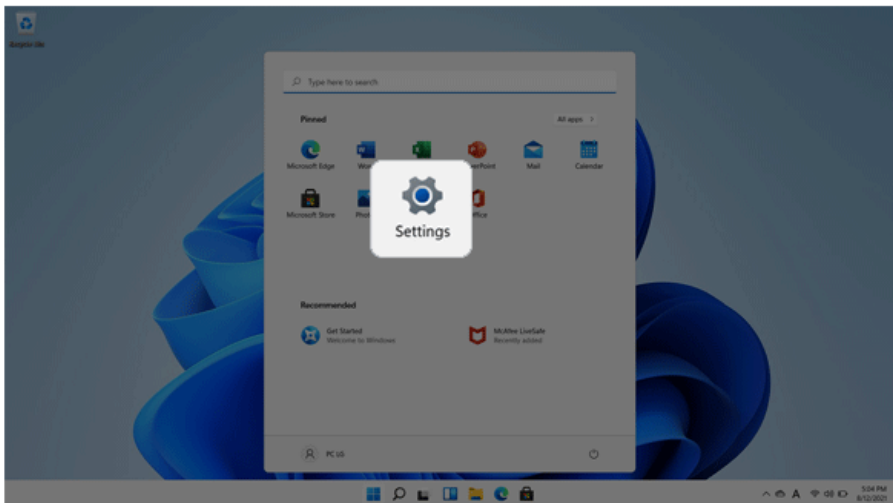
- To use the wireless display feature, the display device must support this feature.
- To connect to the display device that does not support wireless display, you must separately purchase a wireless display connection device.
- Once the wireless display connection is established, no additional procedures and searching are necessary the next time you try to connect.

### Connecting to Wireless Display

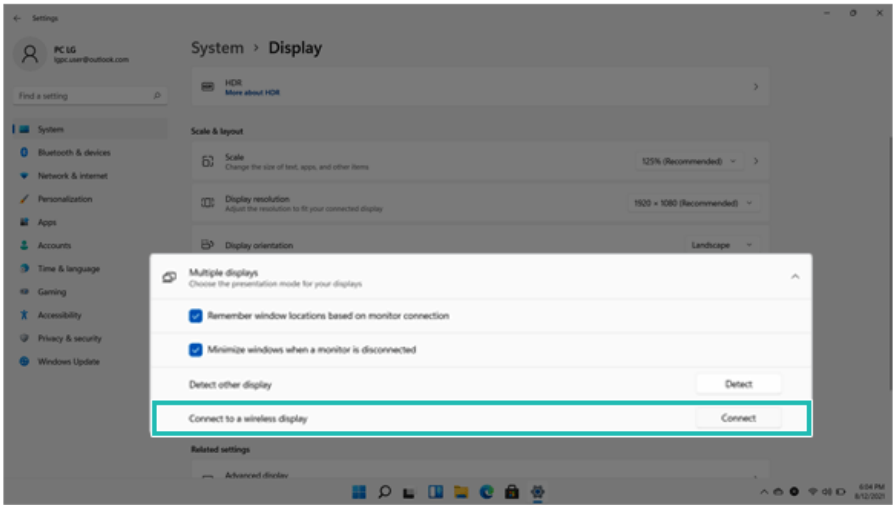
- 1 Select the Start button [  ] > [Settings].

### TIP

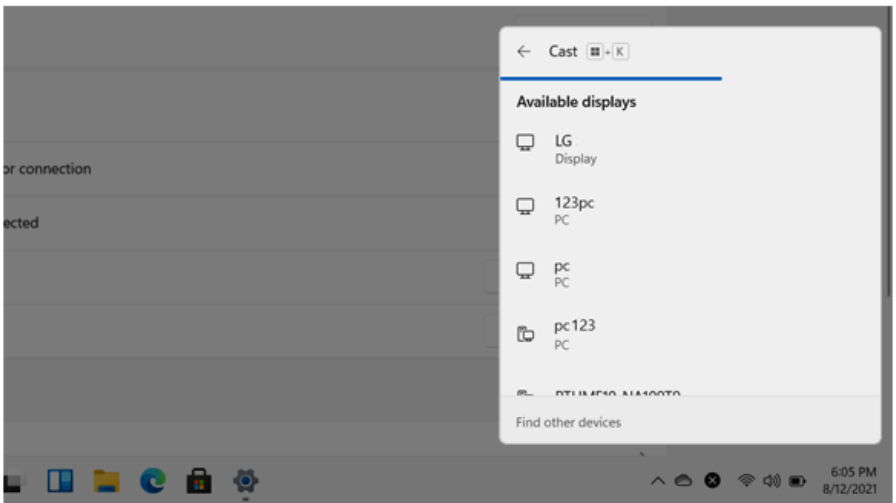
Press the [  ] key or [Ctrl] + [Esc] on the keyboard to display the Start screen.



- 2 Select [Connect] under the [System] > [Display] > [Multiple displays] > [Connect to a wireless display] menu.



- 3 If the device search screen appears, it will search for nearby wireless display devices.



- 4 Select an available device and connect the device.

- 5 Once the wireless display device is connected, it outputs the PC screen and its sound.

## Connecting an External USB-C™ (Thunderbolt™) Device

The USB-C™ port mounted on this product supports USB 4.0 Gen 3x2 standards.

Use the USB-C™ port to connect USB devices or to output a screen to an external display.

 **TIP**

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.

### Connecting a USB Device

If a USB device is connected to a USB-C™ port, the port works as an ordinary USB port.

 **TIP**

To use a conventional USB device, a separate conversion adapter should be used.  
(Conversion adapters may be purchased separately.)

### Outputting to an External Display

By connecting a display that supports USB-C™ Alternate Mode, you can use the USB-C™ port to output a screen to an external display.

 **TIP**

The Alternate mode allows you to use the DP (DisplayPort) and HDMI outputs through the USB-C™ port.

We support DP (DisplayPort) interface standards.



**CAUTION**

You must use a cable that supports **Alternate Mode** to output a screen to another display.

If you use USB-C™ accessories (cables, interface adapters, etc.) that are used for other products, you may have compatibility problems (no screen output or a malfunction).

### Connecting a Thunderbolt™ Device

You can connect to the USB-C™ port an external display or a high-performance data device that support the Thunderbolt™ specifications.

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



**Tip** TIP

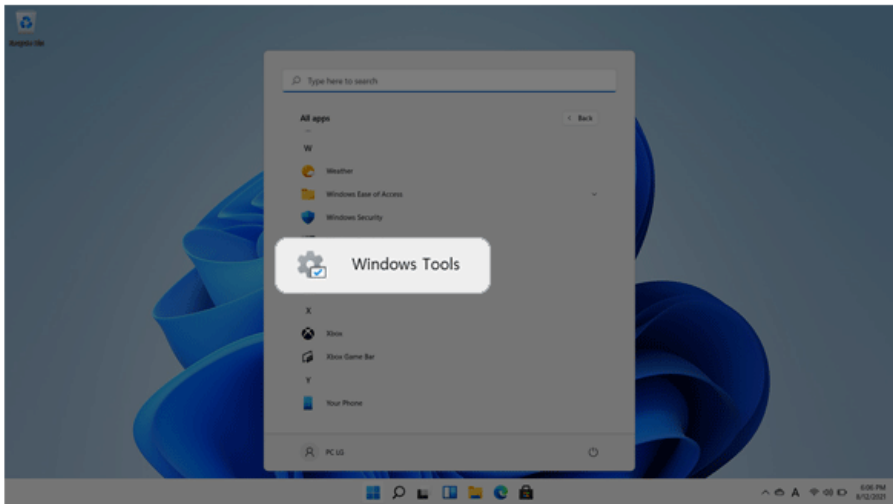
The Thunderbolt™ cable is not provided with the product. Make sure that you use a certified cable.

Some functions may not be available depending on the product. For more information, refer to the user manual provided with the device to be connected.

**Connecting two notebook PCs that support Thunderbolt™**

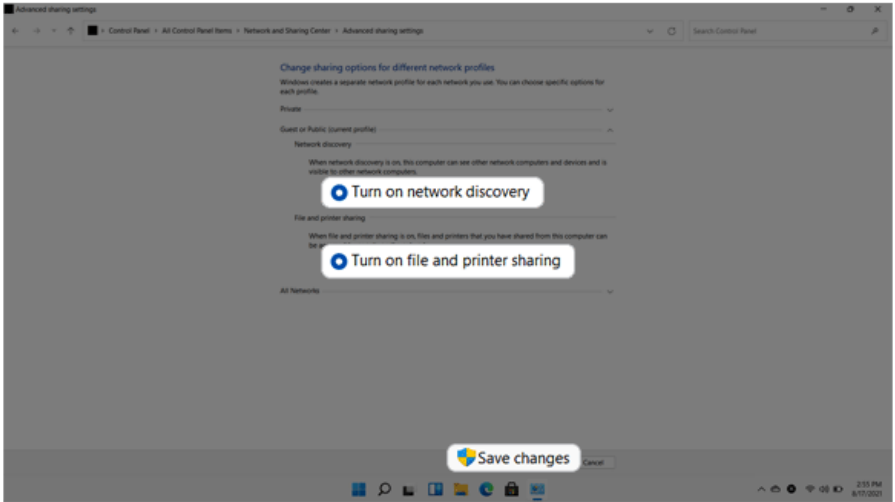
Use Thunderbolt™ to connect two PCs easily and quickly and send and receive data between them.

- 1 Select the Start button [  ] > [All apps] > [Windows Tools].

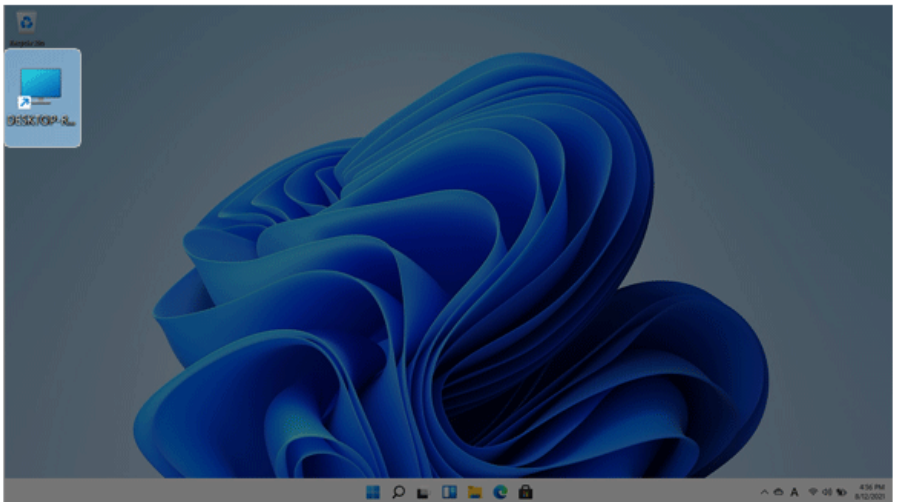


- 2 Select [Control Panel] > [Network and Sharing Center] > [Change advanced sharing settings].

- 3 Enable [Change sharing options for different network profiles] and save the changes.



- 4 Use the Thunderbolt™ cable to connect two notebook PCs.
- 5 A while later, an icon of the connected computer appears on the desktops of the two notebook PCs.



- 6 Double-click the connected computer icon to open the authentication screen.
- 7 Input the user name and password to connect to the other PC.

**Tip TIP**

If there is no shared folder in the connected PC, nothing may appear on the screen.

## Using USB-C™ (Thunderbolt™) Charging Function

You can connect the USB-C™ device to charge a notebook PC battery or an external device, and the operation mode is automatically selected depending the charge settings of the connected device.

- To charge a notebook PC battery, the external device (USB PD Charger, notebook PC, etc.) should support USB Power Delivery 10 W (5 V / 2 A) or higher profile.
  - The external devices that use the USB-C™ port support 10 W (5 V / 2 A) and 15 W (5 V / 3 A).
  - A USB device compatible with USB PD (Power Delivery) supports charging at 15 W (5 V / 3 A), whereas a regular USB device supports charging at 10 W (5 V / 2 A).
  - USB PD batteries cannot be charged using the USB-C™ port of the notebook PC.
  - Always-On Charging is supported only with USB-C™ ports, but not with the regular USB ports.
  - If you connect an adapter with a lower output than the rated adapter, it may take more time to charge the notebook PC.
- 1 When the connected device is set to Automatic (charging the notebook PC or a connected device. Charging the notebook PC by using the mobile phone is not supported.)



- 2 When the connected device is set to Source (the notebook PC is charged.)



- 3 When the connected device is set to Sink (the connected device is charged.)



**Tip TIP**

The charging status of the external device being charged is not displayed on the notebook PC. If you connected a smartphone, you should select "Charge mobile phone" on the smartphone screen to charge the phone battery.

**CAUTION**

If the power consumption of the notebook PC is larger than the power supply from the external device, the battery may be consumed gradually.

## Bluetooth

Bluetooth allows the user to access wirelessly various devices such as camera, cell phone, headset, printer, and GPS receiver that support Bluetooth . It can also establish a network and exchange data with other Bluetooth -enabled PC or smartphone.

### OPTION


The Bluetooth device is optional, and it may not be available in some models.

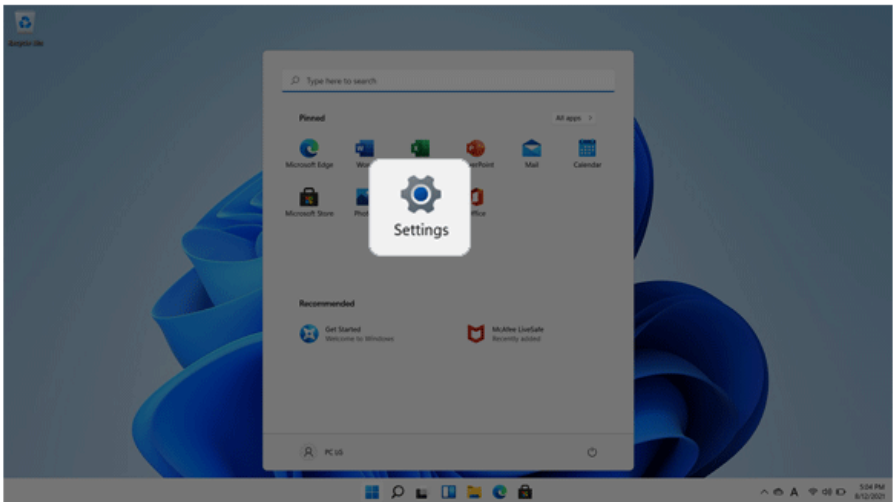
The figures herein may differ by language selection and are subject to change without prior notice.

For details on connecting a Bluetooth device, refer to the user manual provided with the Bluetooth device.

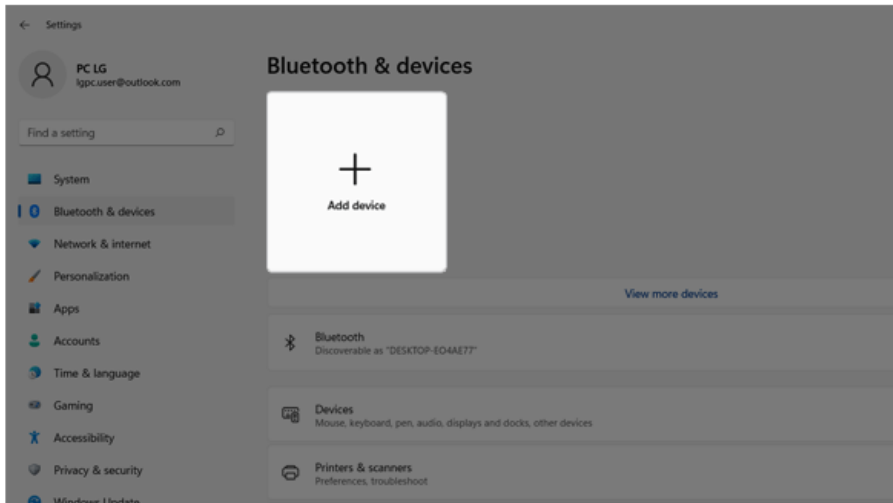
- 1 Select the Start button [  ] > [Settings].

### TIP

Press the [  ] key or [Ctrl] + [Esc] on the keyboard to display the Start screen.



- 2 Select [Bluetooth & devices] > [Add device].



- 3 Select the **Bluetooth** to search for Bluetooth devices automatically.



- 4 After selecting the device you want to connect, complete the Bluetooth connection as guided.



## Wired LAN

LAN is the network environment that users can connect to by using a cable to connect to their internet providers or the company's network.

### Using Wired LAN

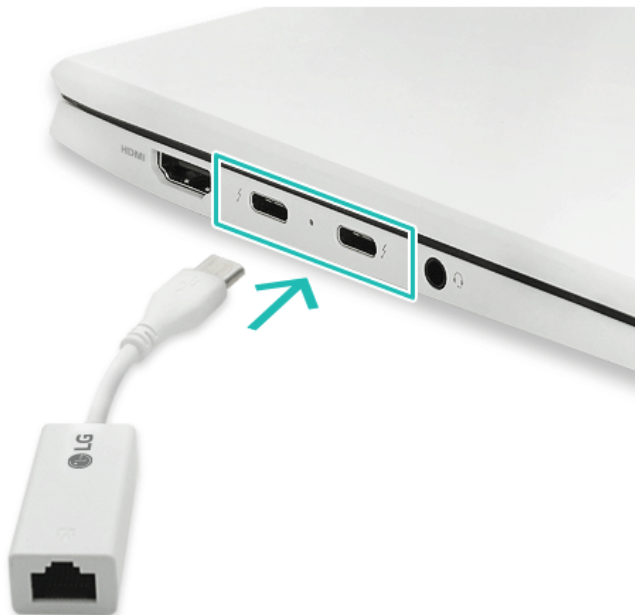
LAN is installed with an automatic IP (DHCP) as default value.

Please refer to the following instructions for details on setting up an automatic IP (DHCP) or manual IP.

- 1 Connect the LAN adapter to the USB-C™ port on the PC.

**Tip** TIP

The recommended network cable for the optimal network environment is CAT5 or higher. The network (LAN) cable may be connected when the LAN adapter is used.




- 2 Connect the wired LAN cable to the LAN port.

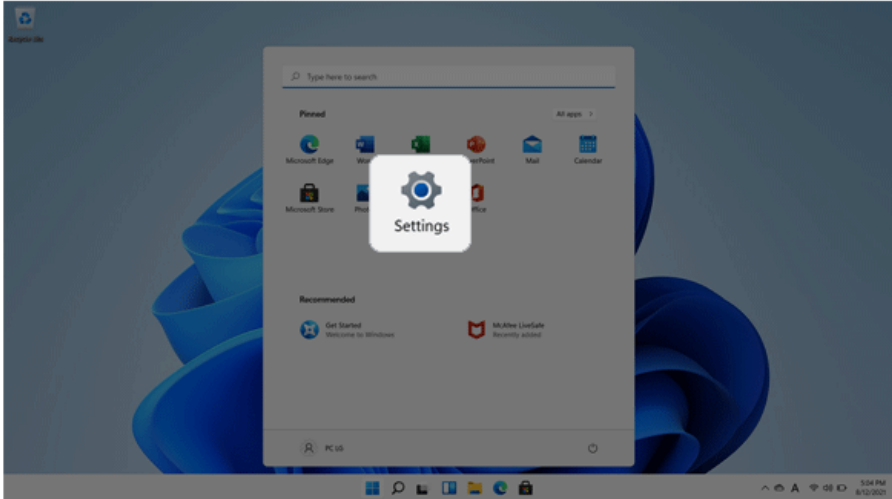


- 3 Select the Start button [  ] > [Settings].

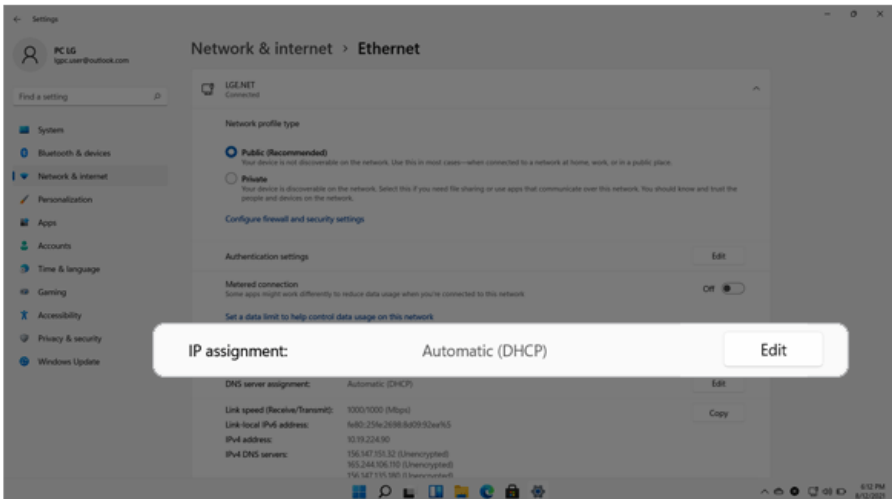
**TIP**

Press the [  ] key or [Ctrl] + [Esc] on the keyboard to display the Start screen.

ENGLISH

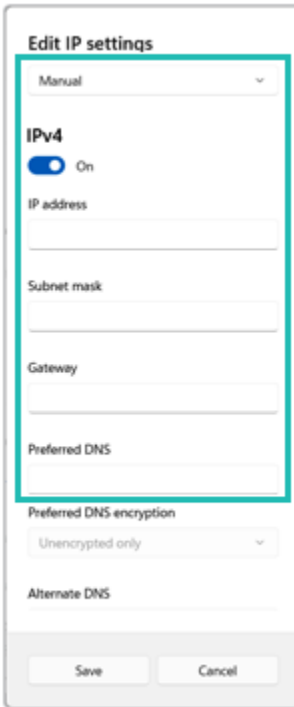


- 4 Select [Edit] in [Network & Internet] > [Ethernet] > [IP assignment].



- 5 To use an automatic IP (DHCP), select [Automatic]. If you wish to use a static IP, set [Manual] > [IPv4] to [On] and enter the necessary item.

**Contact the network service provider or administrator to use a static IP.**



**Edit IP settings**

Manual

**IPv4**

On

IP address

Subnet mask

Gateway

Preferred DNS

Preferred DNS encryption

Unencrypted only

Alternate DNS

Save Cancel

- 6 Select [Save] to complete the network setup.
- 7 Click the Web Browser icon to check whether the internet is operating normally.

## Wireless LAN

The wireless network (Wireless LAN) is the network environment that connects a PC with the internet provider or company network through an Access Point (wireless or regular router).

### OPTION

Wireless LAN is optional. Hence, it may not be installed in some models.

### Turning On/Off **Airplane Mode**

Prior to using the wireless LAN, press [Fn] + [F6] to turn off **Airplane Mode**.

Pressing [Fn] + [F6] keys will turn on or off the **Airplane Mode**. If you are not going to use the product for a while, keep the **Airplane Mode** turned on to reduce the battery power consumption.

### Using the Wireless LAN

If an Access Point (wired or wireless router) is in the vicinity of the PC, the wireless LAN can easily be accessed.

**When searching for a wireless LAN, multiple Access Points may be discovered depending on the location of use.**

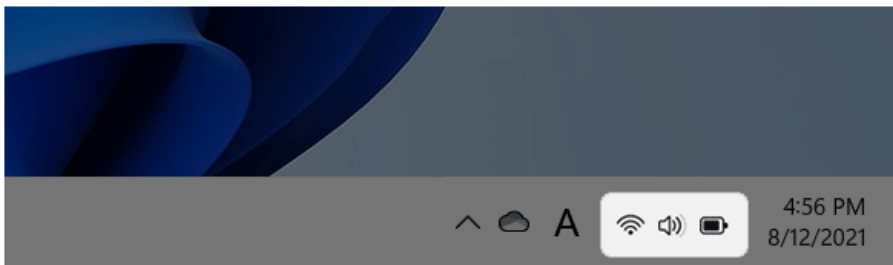
**In case no accessible wireless LAN is near the PC, no Access Point might be found.**

**A password-protected Access Point cannot be accessed without the correct password.**

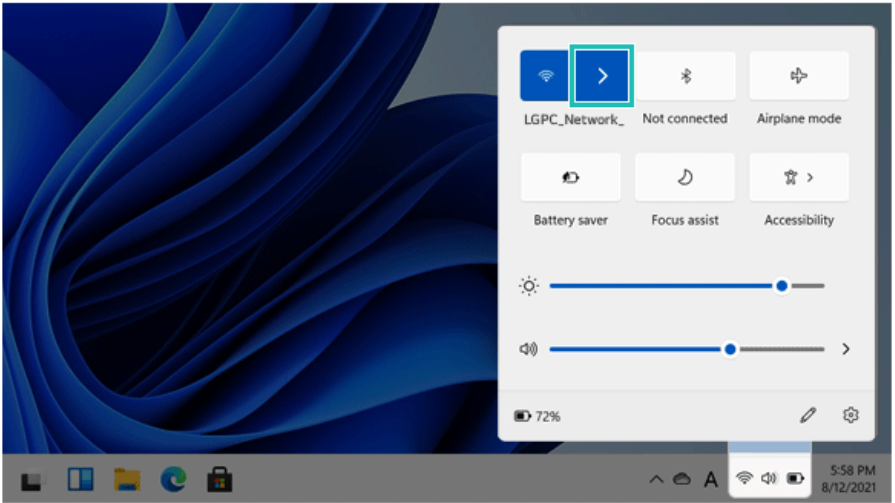
- 1 Select **[Quick Settings]** on the right side of the taskbar.

### TIP

The displayed icons may differ from the figures herein.

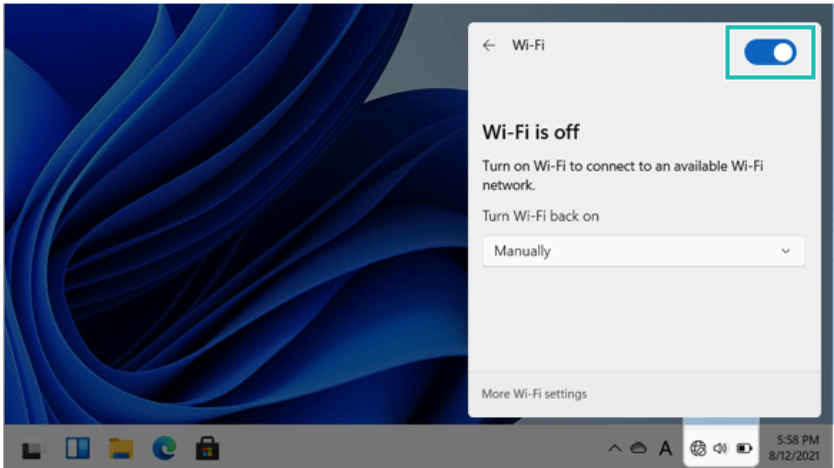


- 2 Select **Manage Wi-Fi Connections** [ > ] to search for near Access Point.

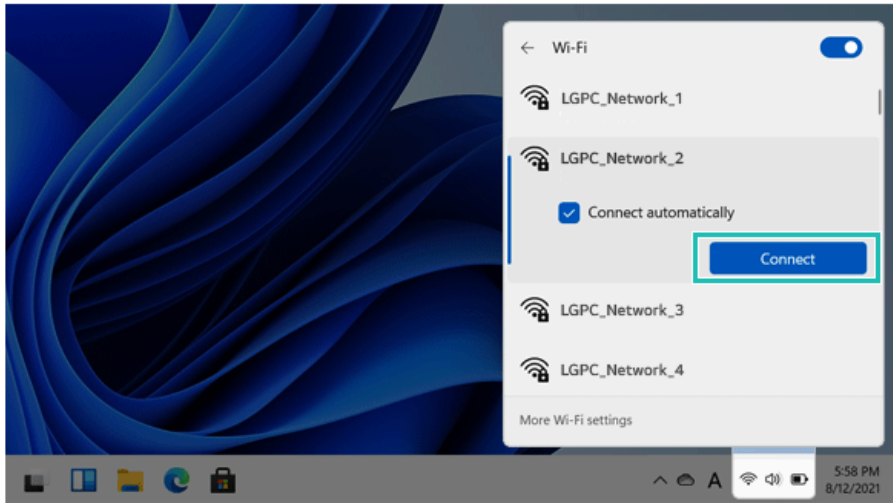


**Tip** TIP

When **Wi-Fi** is turned off, set [Wi-Fi] to On.



- 3 Select the Access Point you want to connect to and press [Connect].



- 4 If a connection is established, [Connected] appears below the Access Point name.
- 5 Click the Web Browser icon to check whether the internet is operating normally.

## Using a Wired/Wireless Router

A wireless/regular router connects several PCs and mobile devices to one internet line and enables the use of internet and the network.

**A wireless/regular router has to be bought separately. Refer to the manual provided by the manufacturer for instructions.**

### Connecting a Wireless or Regular Router

If one internet line is used with a wired/wireless router and several devices are connected, this may result in a slower connection.

In case of a wireless LAN, it is recommended to change the network name and security settings for a more secure connection.

**Network speed can differ according to operation environment and specifications.**

- 1 Connect the internet cable of the modem that was provided by your internet provider to the router's WAN port.
- 2 Connect all devices (PC, IPTV, internet phone, etc.) with a LAN cable to LAN ports 1 to 4 of the router.  
**The number of LAN ports can vary for each router model.**
- 3 Please refer to the manual provided by the router manufacturer for setup of the network and internet.



## microSD Slot

### Checking Available Memory Card

This model supports microSD memory cards.

- Directly applicable memory cards

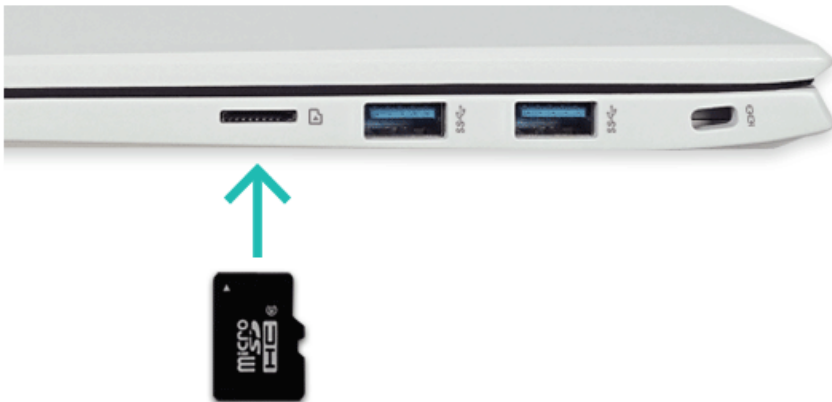


microSD

### Mounting and Using Memory Card

This product has one **microSD** slot.

Check the insertion direction of the memory card and push the **microSD** memory in until it is fully seated.



**Tip** TIP

- When the memory card is formatted, the data stored in the memory card will be deleted. Check whether there are important data before formatting the memory stick.
- To format a memory card, right-click the memory card drive and select Format. When the Format window appears, press Start to continue.
- If the write protection tab of memory card is locked, the user cannot format the memory stick nor write or delete the data.
- **microSD** memory cards can be used only as storage devices and do not support the copyright protection feature.

**Removing Memory Card**

Push the card with your finger to make the card spring out of the slot. Remove the memory card.

# Using Software

## LG Smart Assistant

**LG Smart Assistant** allows you to easily change the settings of your PC according to your needs.


**Tip** TIP

Menus and supported functions may differ depending on the model.

Please update the program to the latest version through **LG Update & Recovery** (or **LG Update**).

The figures herein are subject to change without prior notice.

### Running LG Smart Assistant

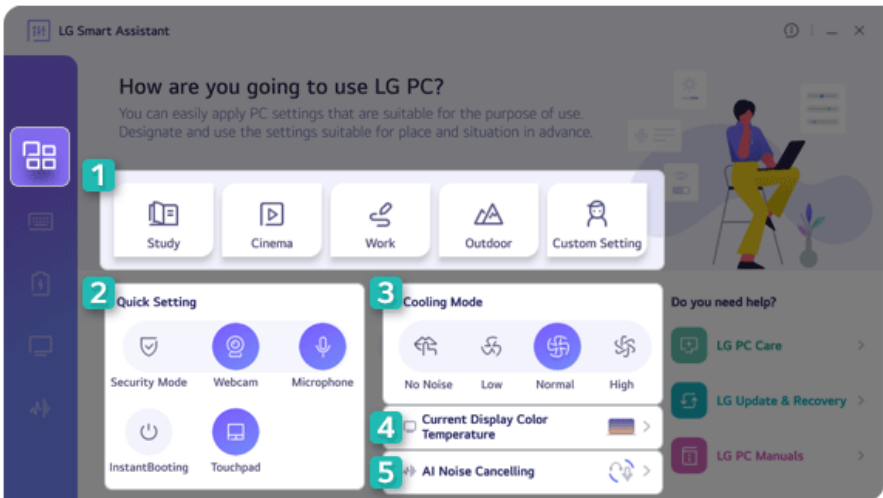
Select the Start button [  ] > [All apps] and run [LG Smart Assistant].



- 1 **Information Button:** Runs Help or displays information about the software.
- 2 **Minimize/Exit Button:** Minimizes the size of the window, or exits the software.
- 3 **Dashboard:** Allows you to specify PC settings suitable for the purpose of use and apply them at once, or to set key PC functions easily.

- 4 **Keyboard Setting:** Allows you to set keyboard lighting settings, Fn key lock settings, NumLock key status indicator and your own hot keys.
- 5 **Power Setting:** Allows you to check the battery status and extend the battery life, set the power and sleep settings, and set the USB-C™ port charging function.
- 6 **Display Setting:** Allows you to set the color temperature of the display or use the reader mode.
- 7 **AI Noise Canceling:** Allows you to set the noise canceling function for the microphone input and the speaker output.
- 8 **Go to LG Software:** Allows you to run LG PC Care, LG Update & Recovery (or LG Update), and LG PC Manuals directly.

## Dashboard



- 1 **User Mode:** Allows you to set the user mode according to the PC environment.
- 2 **Quick Setting:** Allows you to set the PC settings easily.
  - **Security Mode:** Allows you to turn off the webcam and the microphone.
  - **Webcam:** Allows you to turn off or on the webcam.
  - **Microphone:** Allows you to turn off or on the microphone.
  - **Instant Booting:** Allows you to set the system to turn on automatically when you open the cover of the notebook PC.
  - **Touchpad:** Allows you to turn off or on the touchpad.

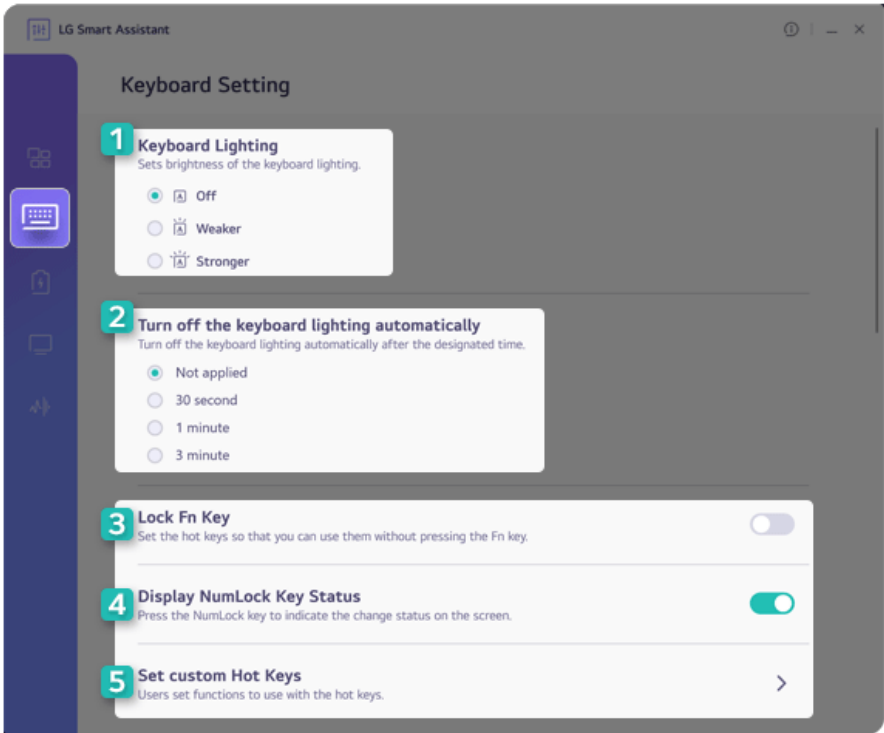
- 3 **Cooling Mode:** Allows you to set the fan mode of the PC according to the PC environment.
- **No Noise Mode:** Limits the PC performance so that the PC does not generate fan noise. (The PC surface temperature may rise when the function is used for a long time. It automatically changes to the **Normal Mode** upon reboot.)
  - **Low Mode:** Minimizes fan speed so that you can use the PC in a quiet environment. (This may degrade your PC performance. It automatically changes to the **Normal Mode** upon reboot.)
  - **Normal Mode:** Optimizes PC performance, heat and noise.
  - **High Mode:** Changes the mode to the one for the tasks that require high performance. (This may result in increased PC surface temperature and noise, and shorter battery life. It automatically changes to the **Normal Mode** upon reboot.)

**CAUTION**

When using for a long term, use **Normal Mode**.



- 4 **Current Display Color Temperature:** Go to the [Display Setting] menu.
- 5 **AI Noise Canceling:** Go to the [AI Noise Canceling] menu.

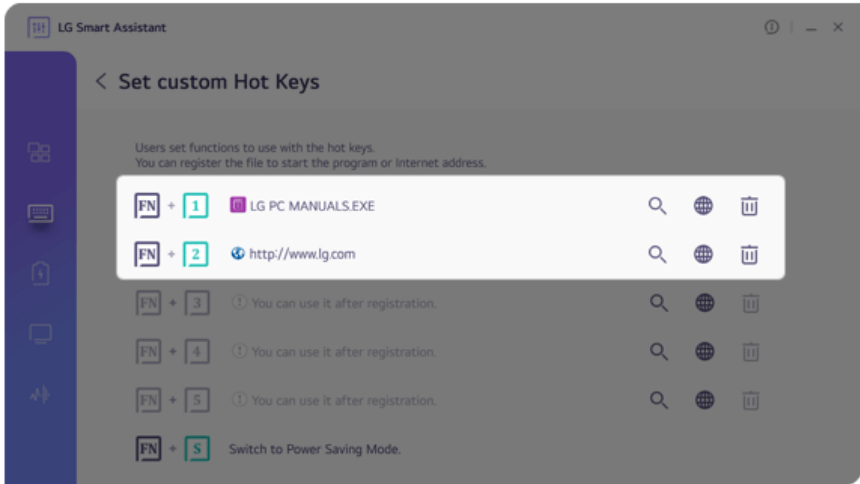
## Keyboard Setting



- 1 **Keyboard Lighting:** Allows you to set the keyboard lighting and brightness.
- 2 **Turn off the keyboard lighting automatically:** Allows you to set the keyboard light to turn off automatically after a specified amount of time.
- 3 **Lock Fn Key:** Allows you to set the hot keys (F1 - F12) to operate even without pressing Fn.
- 4 **Display NumLock Key Status:** Allows you to set the screen to display the status change when you press the NumLock key.

## 5 Set custom Hot Keys: Allows you to register an app or internet address to a custom hot key.

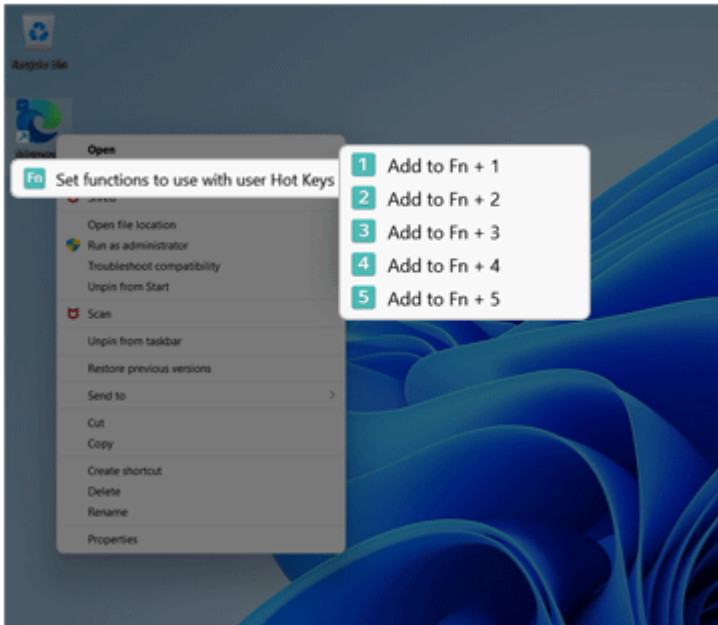
- On the Hot Keys Settings List, select the navigation icon [  ] or the internet icon [  ] to register the desired app or Internet address to a hot key.



### TIP

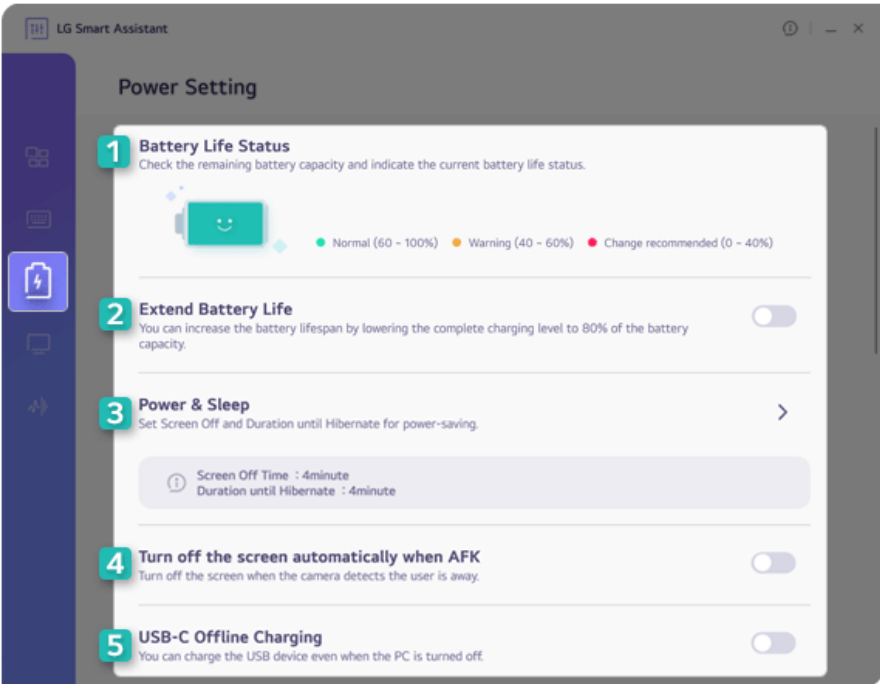
- Some abnormal program files (exes) and Internet addresses (links) may not be linked.
- Hot keys can be set from 1 to 5, and the [Fn] + [S] Sleep Mode cannot be changed.

- After selecting the app-running file, right-click the mouse and use the [Show more options] > [Set functions to use with user Hot keys] menu to register the app quickly.



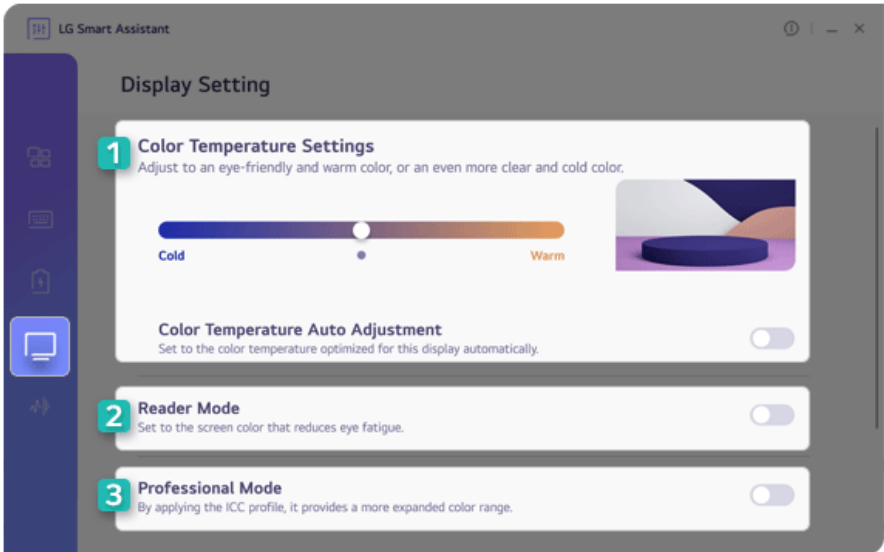


## Power Setting



- 1 **Battery Life Status:** Displays the battery status so that you can replace the battery timely.
- 2 **Extend Battery Life:** Allows you to lower the max. battery charge level to 80% to extend the battery lifespan.
- 3 **Power & Sleep:** Displays the screen off time and the sleep mode entry time. You can go to Windows settings and set the time.
- 4 **Turn off the screen automatically when AFK:** Allows you to set the screen to automatically turn off when you are away from the keyboard for a certain amount of time.
- 5 **USB-C™ Offline Charging:** Allows you to set the PC to charge external devices via the USB-C™ port even when the PC is turned off.


## Display Setting



- 1 **Color Temperature Settings:** Allows you to adjust the screen color temperature to cool (bluish screen color) or warm (reddish screen color) or use the automatic color temperature function.
- 2 **Reader Mode:** Allows you to set the Reader Mode to reduce eye fatigue when reading documents.

**CAUTION**

Using the **Reader Mode** and the **Night light** at the same time can cause color distortion. When you use the **Reader Mode**, turn off the **Night light**.

- You can turn [Night light] on or off in the Start button [  ] > [Settings] > [System] > [Display].

**TIP**

You can use hot keys to use the **Reader Mode** function more conveniently.

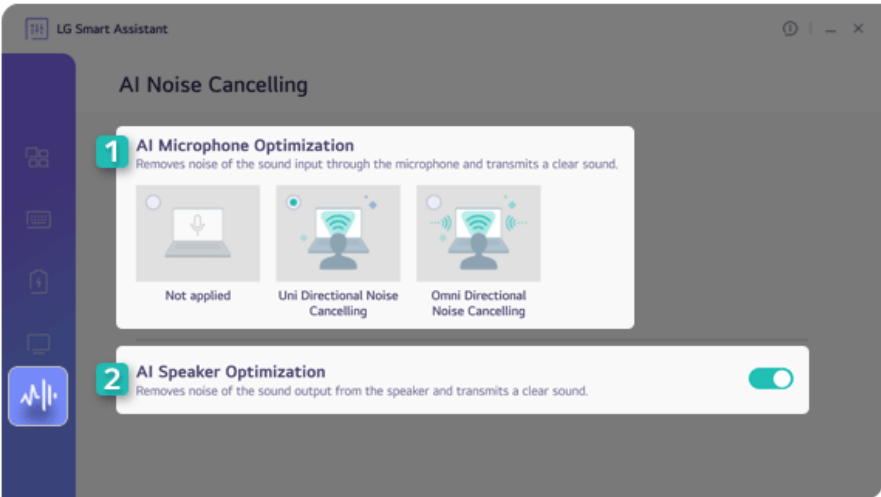
- Press the [Fn] + [F9] keys to switch the PC screen to **Reader Mode**. Press them again to turn off **Reader Mode**.

- 3 **Professional Mode:** Provides a more extended color gamut to the display and enhances the content color reproduction.

**TIP**

**Professional Mode** uses an ICC profile and works only in some programs.

## AI Noise Cancelling



- 1 **AI Microphone Optimization:** Cancels out the noise input to the microphone to deliver clear sound.
- 2 **AI Speaker Optimization:** Cancels the noise output from the speakers to deliver clear sound.

## LG Update & Recovery

**LG Update & Recovery** performs updates to keep the system in an optimal state, and backs up and recovers data in case a problem occurs so that you can safely use your PC.

### TIP

For some models without the **Recovery** function, only the **LG Update** function is provided.

Menus and supported functions may differ depending on the model.


It may not work properly depending on user environment (security tools, etc.) and the network status.

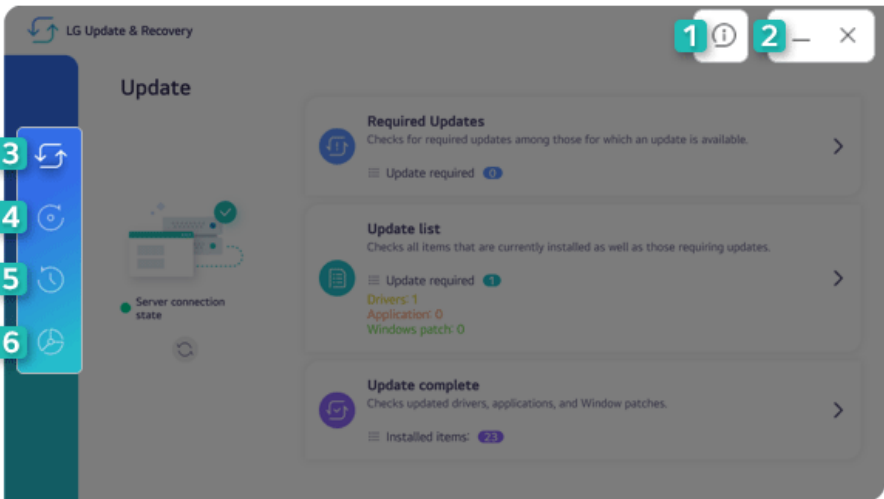
You can use **LG Update & Recovery** (or **LG Update**) to install the deleted drivers or the latest drivers easily and quickly.

Use **LG Update & Recovery** (or **LG Update**) to keep your system current and optimized.

The figures herein are subject to change without prior notice.

### Running LG Update & Recovery (or LG Update)

Select the Start button [  ] > [All apps] and run [LG Update & Recovery] or [LG Update].



- 1 **Information Button:** Runs Help or displays information about the software.
- 2 **Minimize/Exit Button:** Minimizes the size of the window, or exits the software.

- 3 **Update:** Allows you to install various PC drivers, applications and Windows patches easily and quickly.
- 4 **Backup:** Allows you to back up Windows, disk environment, and data safely.
- 5 **Recovery:** Allows you to recover backup data or reset your PC.
- 6 **Tools:** Partitions the disk installed with Windows or the data disks.

**TIP**

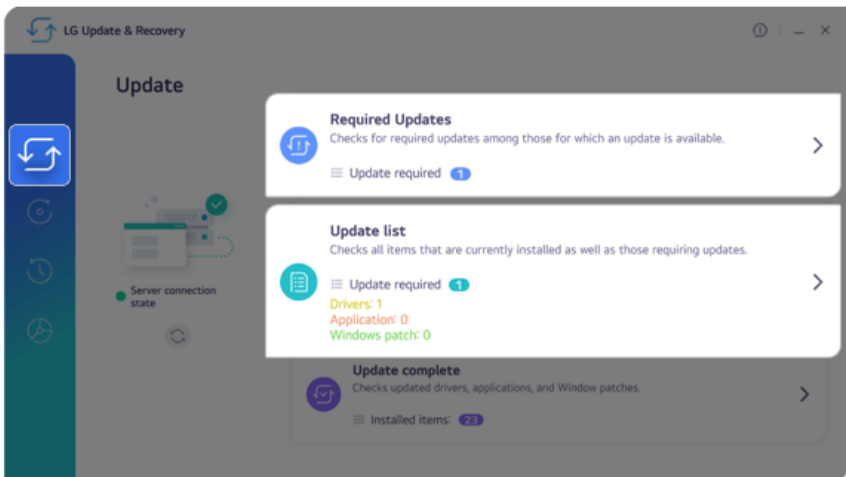
For details on backup and recovery, see [Recovering the System].

**LG Update** does not support [Backup], [Recovery], and [Tools] menus.

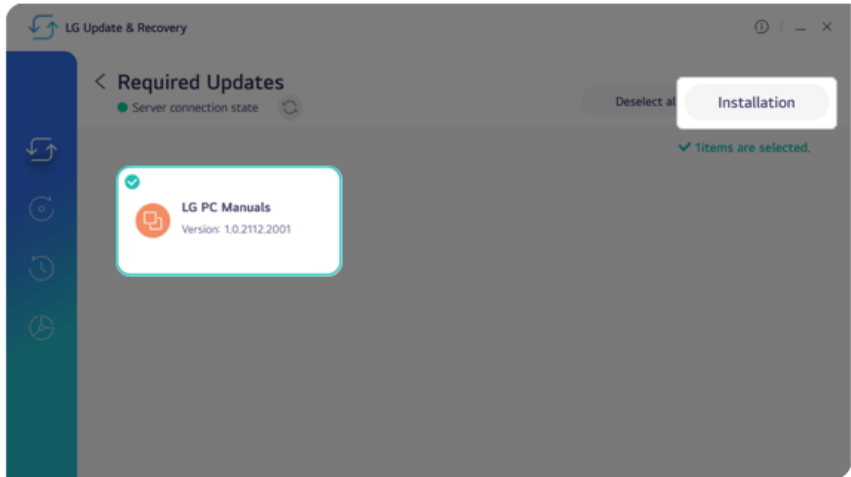
**Update**

If an item that needs updating is displayed, you can select it and update it.

- 1 Select [Required Updates] or [Update list] from the [Update] menu.



- 2 After selecting the items to update, select [Installation].



### Disk Partitioning

Partitions the disk installed with Windows or the data disks.

#### **Tip** TIP

**LG Update** does not support the disk partitioning function.

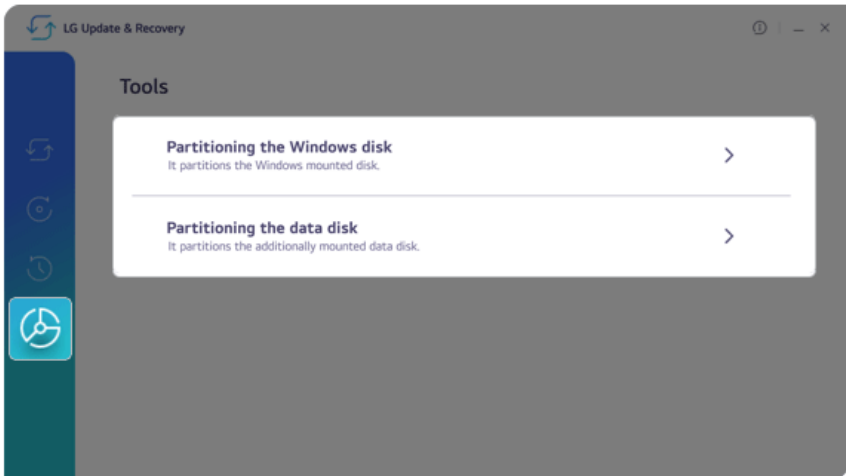
The data disk partitioning function is only available on models with two or more storage devices.



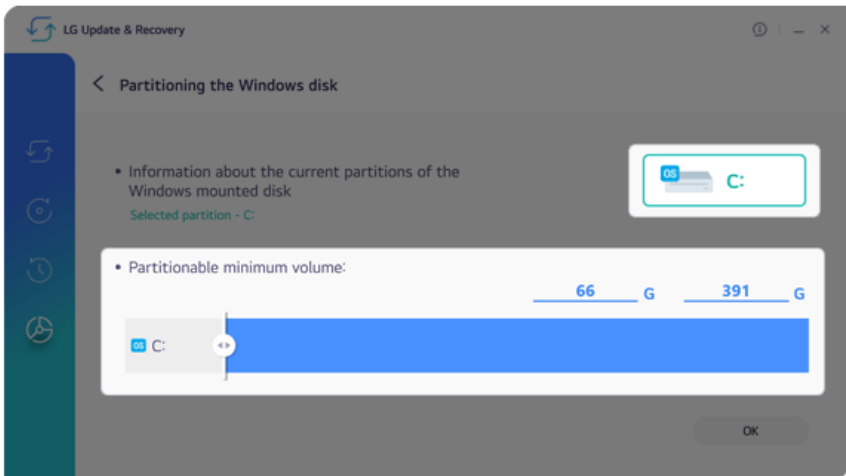
#### **CAUTION**

You are encouraged to back up your personal files to avoid data loss when partitioning.

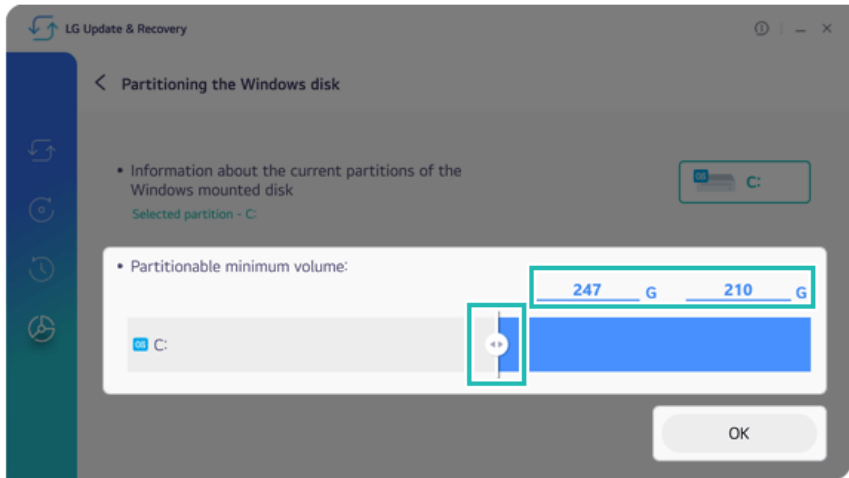
- 1 Select [Partitioning the Windows disk] or [Partitioning the data disk] from the [Tools] menu.



- 2 Select a disk partition to be partitioned, the [Partitionable minimum volume] menu appears.



- 3 Set the capacity of the disk to be partitioned and select [OK].



- 4 The disk will be partitioned.




## DTS:X Ultra

DTS:X Ultra provides rich, sonorous sound when you listen to music, watch videos or play games in the PC.

DTS:X Ultra may not be applied depending on the model.

The figures herein are subject to change without prior notice.

### Running DTS:X Ultra

- 1 Select the Start button [  ] > [All apps] and run [DTS:X Ultra].
- 2 The default is **Internal Speakers** Mode, and it works in **Headphones** Mode when the earphone is connected.

### DTS:X Ultra Tour



- 1 **Power:** DTS:X Ultra Turns the power on/off.
- 2 **Automatic:** Provides an environment that is automatically optimized for the running application.

- 3 **Music:** Provides an optimized environment for music playback.
- 4 **Voice:** Provides an optimized environment for voice playback.
- 5 **Movies:** Provides an optimized environment for movie playback.
- 6 **Strategy, RPG and Shooter:** Provides an optimized environment for each game.
- 7 **Custom Audio:** Selects the spatial model and adjusts the expansion power, and it is optimized for each setting.
- 8 **Device:** Allows you to select the connected earphone/headphone. (Provides headphone mode only)
- 9 **Personalized EQ:** Sets an equalizer optimized for your personal hearing. (Provides headphone mode only)
- 10 **Graphic EQ:** Sets the equalizer.

**Tip**

If you want to remove Audio Driver or DTS:X Ultra , remove [DTS:X Ultra] and [Realtek(R) Audio Driver] in the order specified and restart the system.

If you want to reinstall Audio Driver or DTS:X Ultra, remove [DTS:X Ultra] and [Realtek(R) Audio Driver] in the order specified and install [Realtek(R) Audio Driver]. Then restart and install [DTS:X Ultra].

- If you do not remove or install them in the order specified, an error may occur.

## Virtoo by LG

**Virtoo by LG** is software that allows you to connect your smartphone and PC to check your phone's notifications, make phone calls, send and receive text messages, use media, use mirroring, etc. on your PC.

**Tip** TIP

If **Virtoo by LG** is not installed, connect to the **Microsoft Store** and search for **Virtoo by LG**.

Also, your smartphone must have the **Virtoo by LG** app installed.

You can search for and install the **Virtoo by LG** smartphone app from **Google Play** or **App Store**.

It is recommended to disconnect from the app after using on a public PC.

**Virtoo by LG's** service may be suspended without prior notice due to the company's circumstances.

The app may not work properly on some smartphone models and upgrading the operating system of a smartphone may prevent some features from working properly.

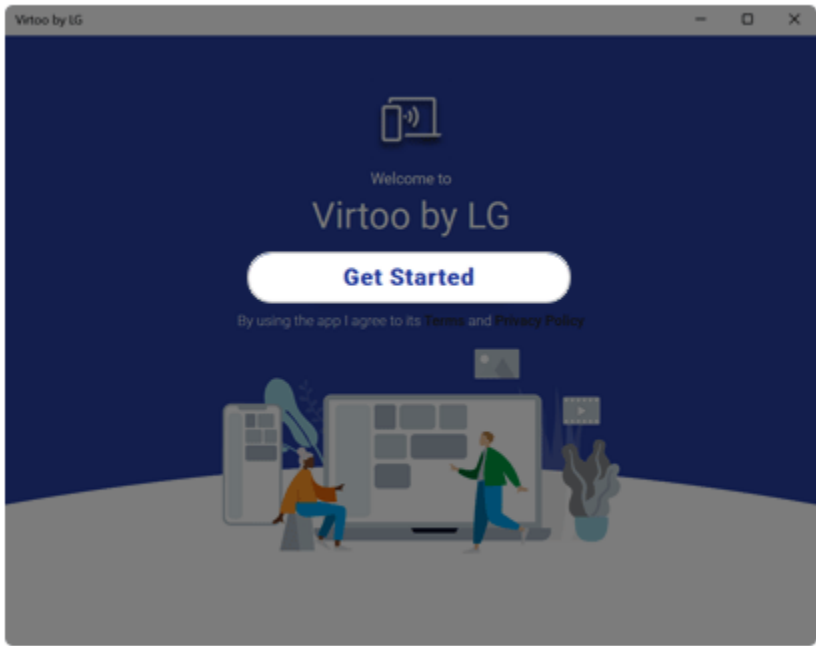
In order to use a dialer with a Microsoft **user's mobile phone**, you need to uninstall **Virtoo by LG** app and driver.

The figures herein are subject to change without prior notice.

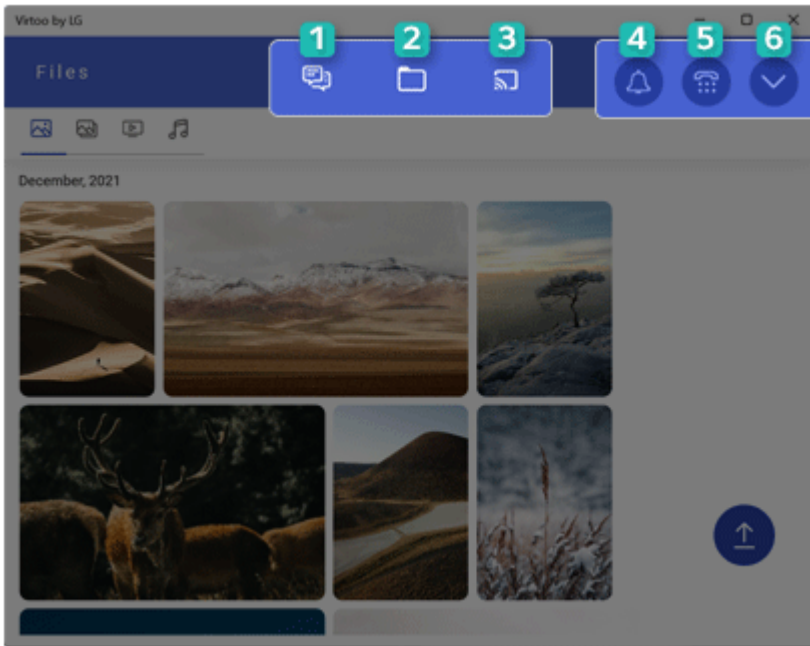
### Virtoo by LG Connect

- 1 Select the Start button [  ] > [All apps] and run [Virtoo by LG].

- 2 Select [Get Started], and then follow the instructions to connect your smartphone to the PC.



## Virtoo by LG Tour



- 1 **Messages:** Allows you to send and receive text messages interactively.
- 2 **Files:** Displays files (photos, albums, videos, audio) on your smartphone, and you can share files between your smartphone and the PC.
- 3 **Mirroring:** Allows you to display the screen of the connected smartphone on your PC and access it from the PC.

**TIP**

### Precautions When Typing a Text

Android: You can use the PC keyboard to type characters. You can switch between Korean and English by pressing the [Shift]+ [Space] keys.

iPhone: You can use the PC keyboard to type characters. You can switch between Korean and English by pressing the [Caps Lock] key.

- 4 **Notifications:** You can check your phone's notifications on the **Virtoo by LG** app screen.
- 5 **Dialer:** Allows you to browse the contacts stored in your smartphone and send text or make a phone call to the contacts.

- 6 **Expand:** Allows you to check the battery status of your smartphone and use the Do Not Disturb, Settings, and Disconnect features.

### Sharing files (photos, albums, videos, and audio)

**Tip** TIP

Transferring large files can take some time.

If you want to use the Share File function on your iPhone, you need to connect the iPhone and the PC to the same router.

iPhone does not support the sharing of audio files.

### Sending files to your smartphone

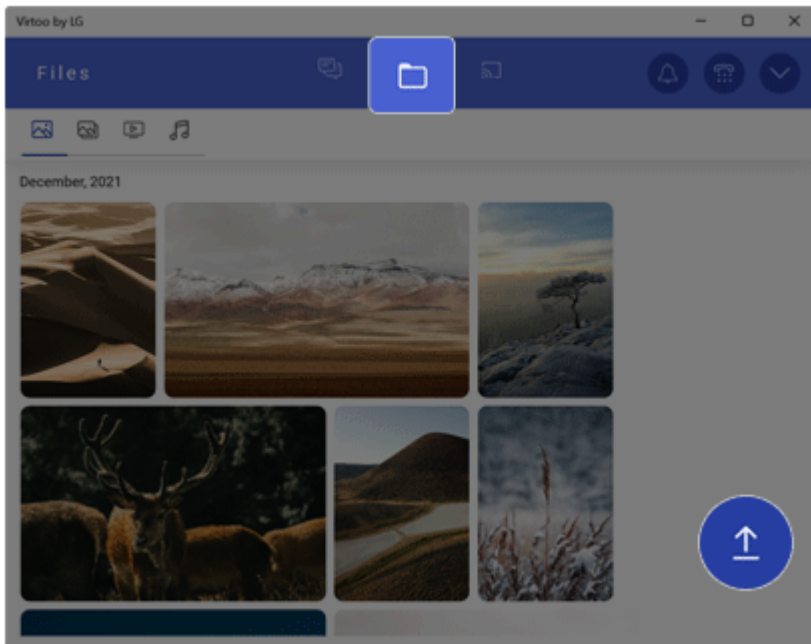
- 1 Select the [Upload] icon from the [Files] menu.

**TIP**

Android: The transferred files are classified by file type in [ ≡ ] > [My received files] of the **Virtoo by LG** app.

iPhone: The transferred files are saved in the album.

You can drag & drop files to share files from your PC to your smartphone.




- 2 Select the file you wish to send to your smartphone and select [Open].

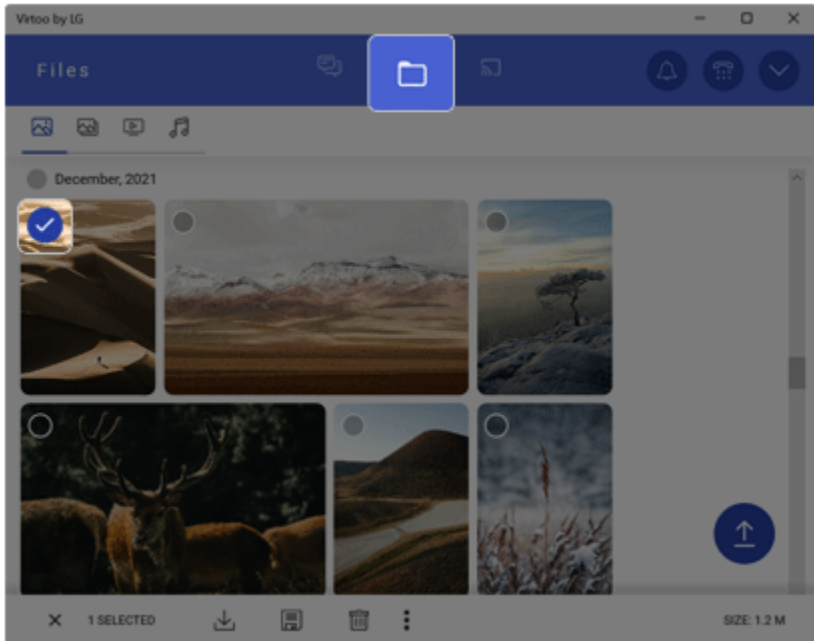
**Importing files from your smartphone to your PC**

- 1 Select the desired file from the [Files] menu.

**Tip**

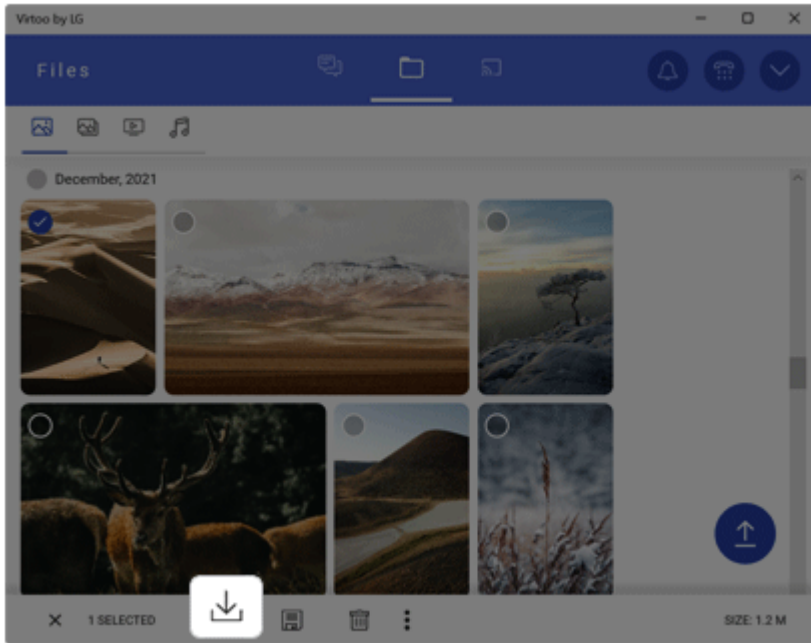
You can select multiple files to import, and select the [  ] icon to directly import the files.

Imported files will be saved in [This PC] > [Pictures] > [Virtooo by LG] folder on the PC.



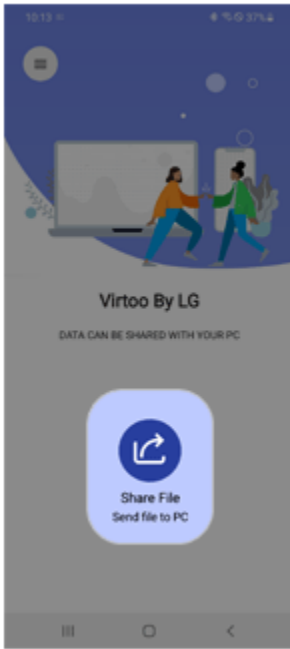


- 2 Select [GET FILE].

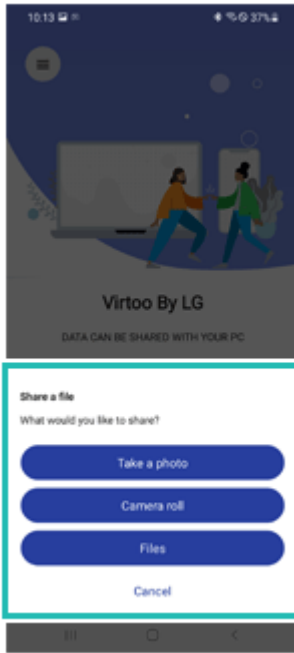


Sending files from your smartphone

- 1 Select [Share File].



- 2 When the [Share File] menu appears, select the desired option to send the file.



### File Sharing with Mirroring

**Tip** TIP

Mirroring must be enabled to use the file sharing with mirroring feature.

Only Android smartphones support the file sharing feature through mirroring.

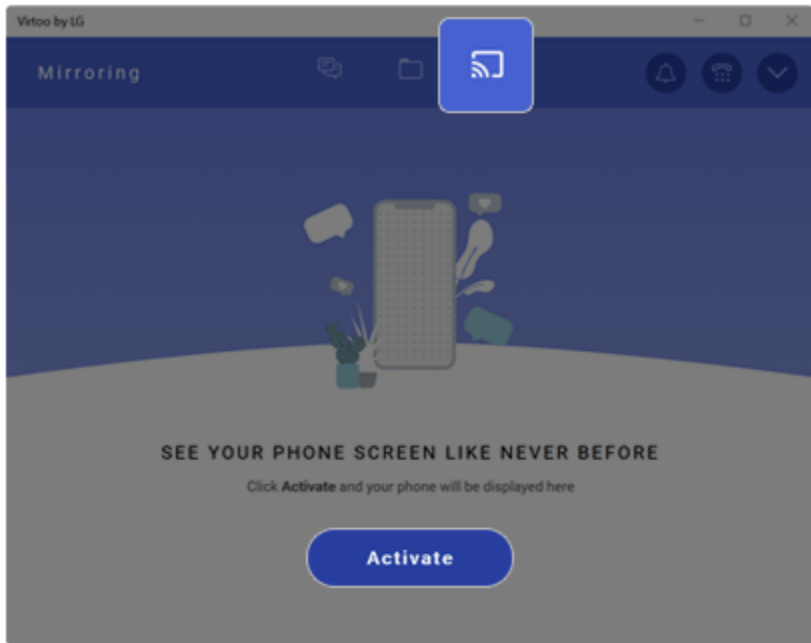
Only one file can be transferred at a time and it may take a while if the file is big.

Depending on the wireless environment, the mirroring screen may suffer a buffering problem or the file transmission speed may be lowered.

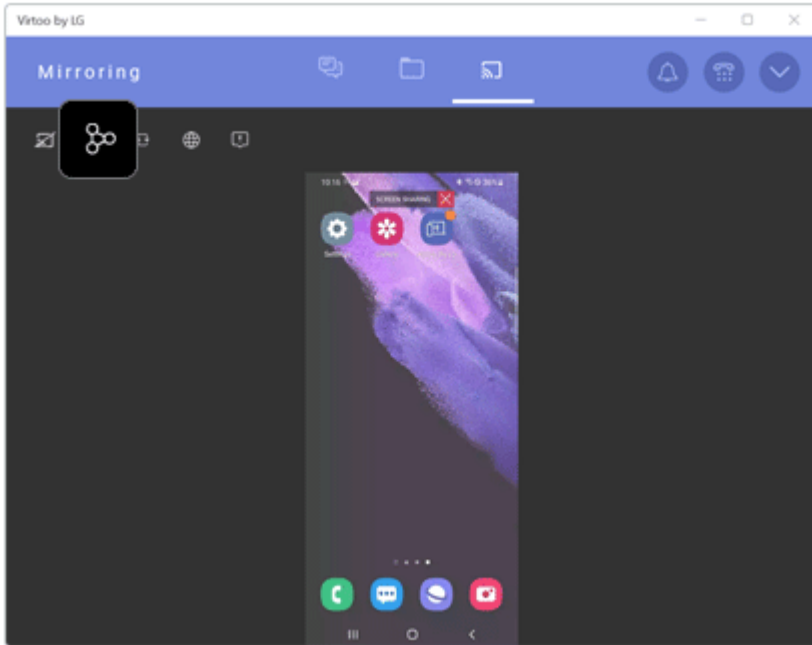
The keyboard and mouse on the PC acts on the smartphone as if Bluetooth keyboard and mouse are connected to it.

You can drag & drop files to share files from your PC to your smartphone.

- 1 Select the [Activate] in the [Mirroring] menu and connect the smartphone to the PC according to the instructions.

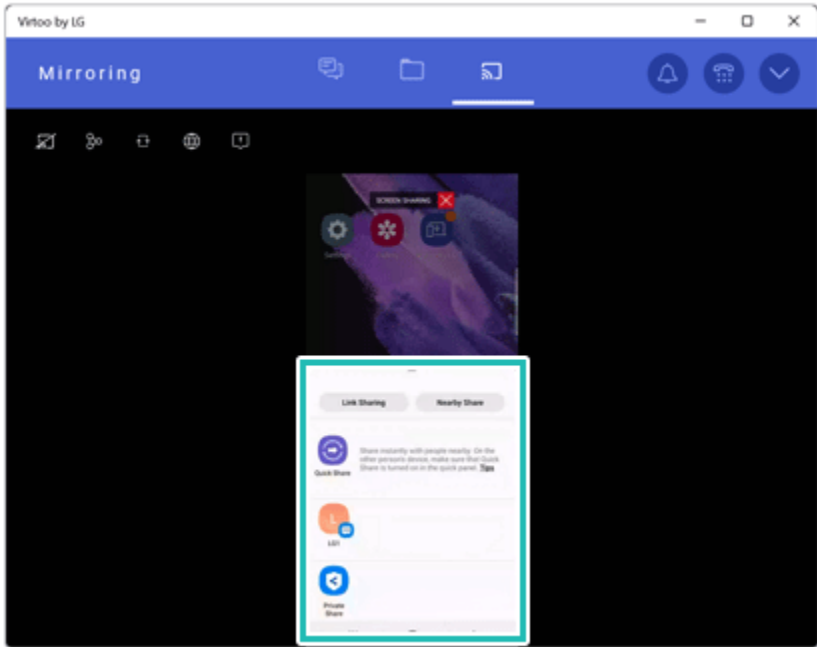


- When the smartphone screen appears on the PC, select the [Share] icon.



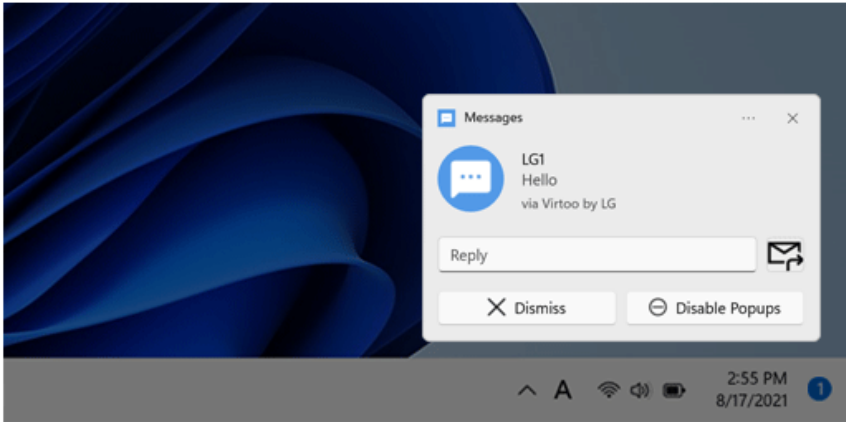
- Select the file you wish to share to your smartphone and select [Open].

- When the Share menu appears on the smartphone, select the desired app to share the file.



### Displaying Notification Messages

When your smartphone receives a notification, phone call, text message, app notification message, or email, a notification message is displayed on the PC screen.

**Tip** TIP

If the smartphone notification does not appear on the PC, allow notification access authority of the Virtoo by LG app in the smartphone settings.

- The actual menu structure may differ by smartphone model. Refer to the smartphone manual for more information on menu structure.

**Virtoo by LG Update**

Some functions may not work properly if the version of an app installed on your PC or mobile device (Android or iPhone) is out of date. You can update your PC and mobile device as below:

Please initialize your app after it is updated.

- PC app: In **Microsoft Store**, search for and update the **Virtoo by LG** app.
- Smartphone app: In **Google Play** or **App Store**, search for and update the **Virtoo by LG** app.

## LG Glance by Mirametrix®


LG Glance by Mirametrix® uses AI-based attention detection technology to improve PC productivity and enhance security.

**Tip** **TIP**


LG Glance by Mirametrix® basically operates with the power connected, and connecting an external monitor makes it possible to utilize various functions more efficiently.

The figures herein are subject to change without prior notice.

### Running LG Glance by Mirametrix®


- 1 Select the Start button [  ] > [All apps] and run [LG Glance by Mirametrix®].
- 2 The tutorial (help on how-to-use) for LG Glance by Mirametrix® appears.

### Exploring LG Glance by Mirametrix®

Select the [  ] (Show hidden icons) icon on the right side of the taskbar, and then select the [

 ] icon to run LG Glance by Mirametrix®.

**Tip** **TIP**

To always display the LG Glance by Mirametrix® icon [  ] on the taskbar, right-click on the taskbar, select [Taskbar settings] > [Taskbar Corner overflow], and set [Glance.exe] to [On].





- 1 **Presence Detection:** If the user does not look at the screen or leaves the screen for a certain period of time, the screen is locked or darkened.
- 2 **Snap Window:** (When an external monitor is connected) Click and hold the title bar of the desired window, move your head to the external monitor or the notebook PC screen to move the window to the screen you are looking at.
- 3 **Smart Pointer:** (When an external monitor is connected) Move your head to the external monitor or the notebook PC screen to move the mouse pointer to the screen you are looking at.
- 4 **Smart Display:** (When an external monitor is connected) Dims the screen of an external monitor or the notebook PC screen that the user is not looking at.
- 5 **Privacy Guard:** Blurs the notebook PC screen if someone is looking at your screen from behind.
- 6 **Privacy Alert:** Alerts you with an icon if someone is looking at your screen from behind.
- 7 **Smart Player:** Pauses the audio or video playback of a specific app when the user is away and automatically resumes playback when the user returns.
- 8 **Digital Wellness:** Tells you to look at an object far away for 20 seconds every 20 minutes to protect your eyesight. If you crouch too close to the screen, it tells you to correct your posture.
- 9 **Video Conferencing:** (During video conferencing) Displays a video of the presenter on the Desktop or automatically mutes the microphone when the user moves away from the screen. **Virtual Camera** hides the background of the camera or automatically adjusts the frame of the camera

according to the user's movement and compensates the face or the lighting to make your face look more beautiful.

- 10 **Settings:** Provides the settings menu and tutorial (help on how to use) of LG Glance by Mirametrix®.

## PCmover Professional

**PCmover Professional** transfers applications, files (pictures, music, videos, and documents) and settings from your old PC to your new PC.


### Tip TIP

The old and new PCs must be connected under the same network.

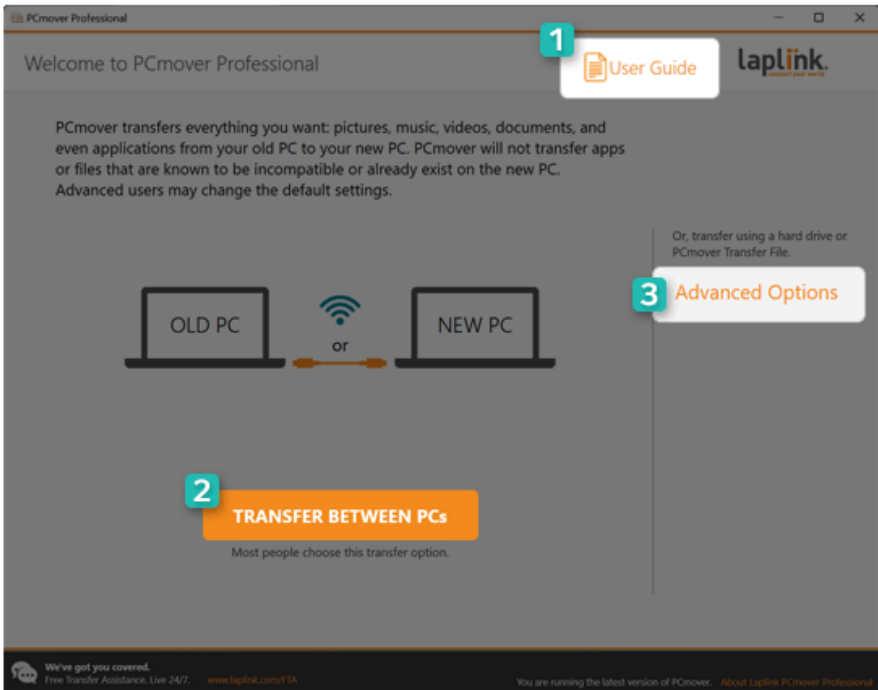
For details on how to use **PCmover Professional**, see the [User Guide] of **PCmover Professional**.

The figures herein are subject to change without prior notice.

### PCmover Professional Running

Select the Start button [  ] > [All apps] and run [PCmover Professional].

### PCmover Professional Tour



- 1 **User Guide:** You can find out more about how to use **PCmover Professional**.
- 2 **TRANSFER BETWEEN PCs:** Starts the process of transferring data (apps, files, settings, etc.) between the old PC and the new PC.
- 3 **Advanced Options:** Allows you to create a transfer file on an external media (USB disk, etc.) and transfer it to a new PC, or to transfer it to a new PC using a disk image backed up from the old PC. Also, you can transfer apps, files and settings between user accounts of the same PC.

# Recovering the System

## Backing up/Recovering My Windows

You can back up and recover the disk partition where Windows is installed.

**This content only applies to the models provided with LG Update & Recovery.**



### CAUTION


Partitions other than the disk partition where Windows is installed are not backed up.  
For backup or recovery, the AC adapter must be connected to the PC.

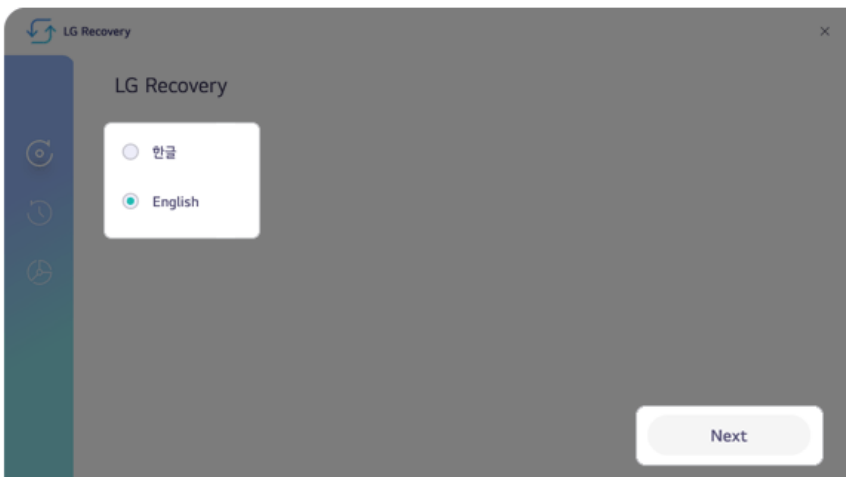


### TIP

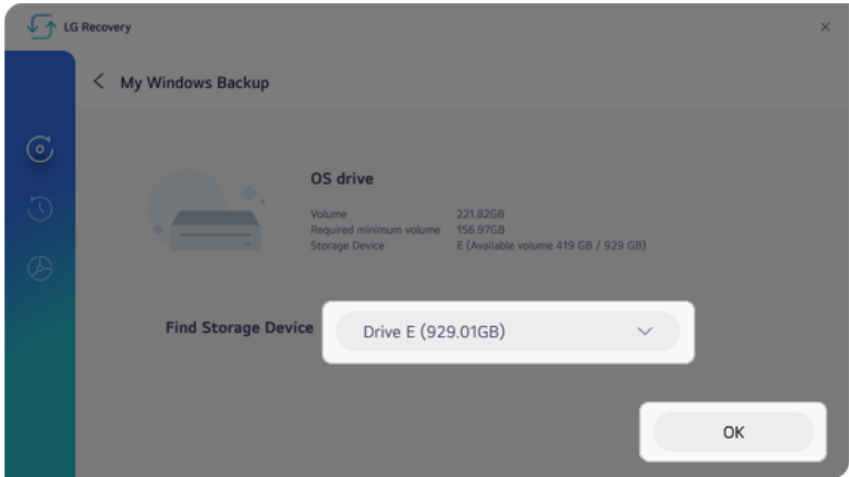
You can perform backup only on an external disk (USB memory, HDD, etc.).

### My Windows Backup

- 1 Connect the external disk where the backup file will be saved to the PC.
- 2 Select the Start button [  ] > [All apps] and run [LG Update & Recovery].
- 3 Select [Backup] > [My Windows Backup] > [OK] to reboot the PC.
- 4 When the [LG Recovery] screen appears, check the language you want to use and select [Next].



- 5 Select [Backup] > [My Windows Backup].
- 6 Select the external disk and click [OK].



- 7 When the backup is complete, click [OK].
- 8 Select the Exit button [ X ] to reboot the PC.

### My Windows Recovery



#### CAUTION

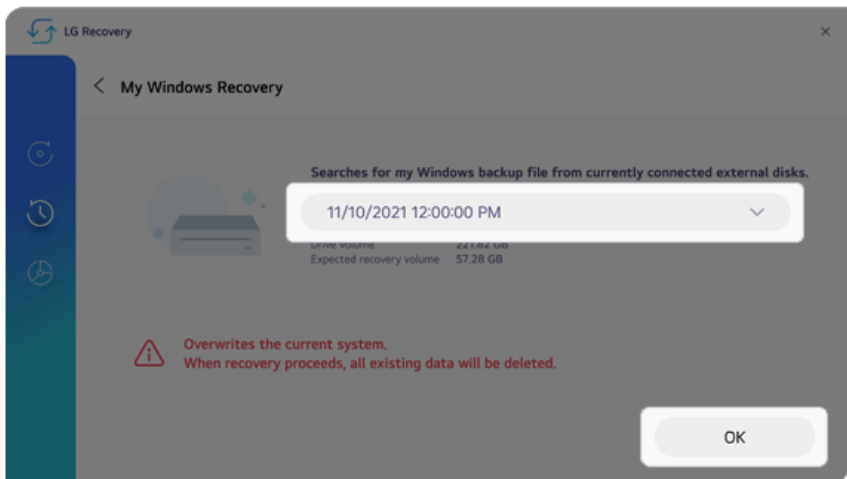
All user data on the partition where Windows is installed will be deleted, so you must backup all important data in advance.

- 1 Connect the external disk where the backup file is saved to the PC.
- 2 Select the Start button [ Windows logo ] > [All apps] and run [LG Update & Recovery].
- 3 Select [Recovery] > [My Windows Recovery] > [OK] to reboot the PC.

- 4 When the [LG Recovery] screen appears, check the language you want to use and select [Next].



- 5 Select [Recovery] > [My Windows Recovery].
- 6 Select the backup file on the external disk and click [OK].



- 7 When the recovery is complete, click [OK].

- 8 Select the Exit button [ X ] to reboot the PC.



## Backing up/Recovering Disk

You can back up and recover the entire disk (all partitions) where Windows is installed.

**This content only applies to the models provided with LG Update & Recovery.**



### CAUTION


For backup or recovery, the AC adapter must be connected to the PC.

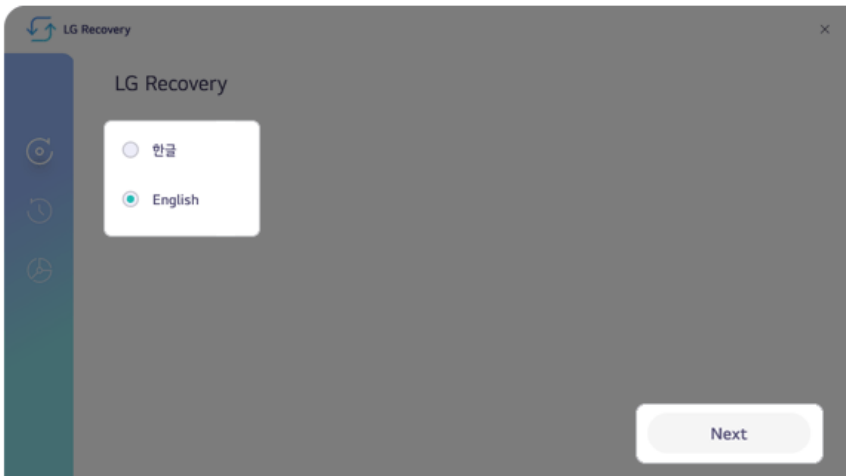


### TIP

You can perform backup only on an external disk (USB memory, HDD, etc.).

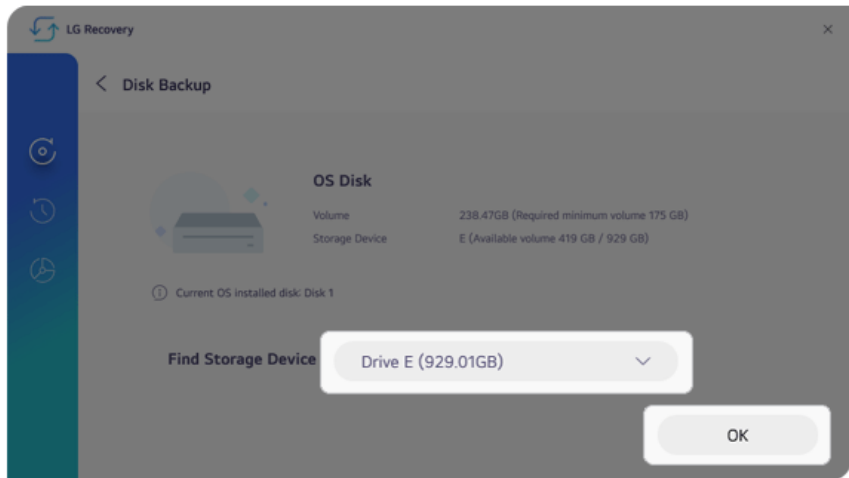
### Disk Backup

- 1 Connect the external disk where the backup file will be saved to the PC.
- 2 Select the Start button [  ] > [All apps] and run [LG Update & Recovery].
- 3 Select [Backup] > [Disk Backup] > [OK] to reboot the PC.
- 4 When the [LG Recovery] screen appears, check the language you want to use and select [Next].



- 5 Select [Backup] > [Disk Backup].

- 6 Select the external disk and click [OK].



- 7 When the backup is complete, click [OK].
- 8 Select the Exit button [ X ] to reboot the PC.


### Disk Recovery



#### CAUTION

All user data on the disk to be recovered will be deleted, so you must back up all important data in advance.

Recovering a disk other than the one where Windows is installed will result in the deletion of user data on all disks.

- 1 Connect the external disk where the backup file is saved to the PC.
- 2 Select the Start button [  ] > [All apps] and run [LG Update & Recovery].
- 3 Select [Recovery] > [Disk Recovery] > [OK] to reboot the PC.

- 4 When the [LG Recovery] screen appears, check the language you want to use and select [Next].



- 5 Select [Recovery] > [Disk Recovery].
- 6 Select the backup file on the external disk and the disk to recover, and click [OK].



- 7 When the recovery is complete, click [OK].

- 8 Select the Exit button [ X ] to reboot the PC.

## Backing up/Recovering Data

You can back up and recover the data in the Downloads, Videos, Documents, Desktop, Photos and Music folders in Windows.

**This content only applies to the models provided with LG Update & Recovery.**



### CAUTION

Any data other than those in these folders are not backed up/recovered.

All user data on the disk to be recovered may be deleted, so you must back up all important data in advance.


For backup or recovery, the AC adapter must be connected to the PC.

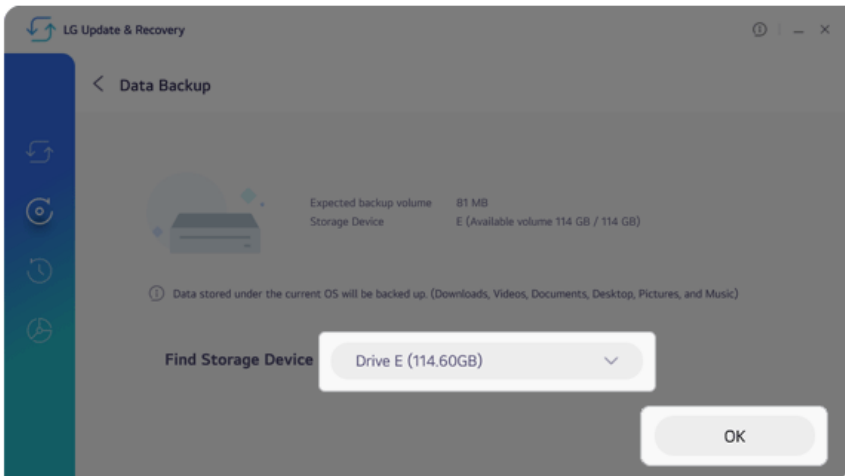


### TIP

You can perform backup only on an external disk (USB memory, HDD, etc.).


### Data Backup

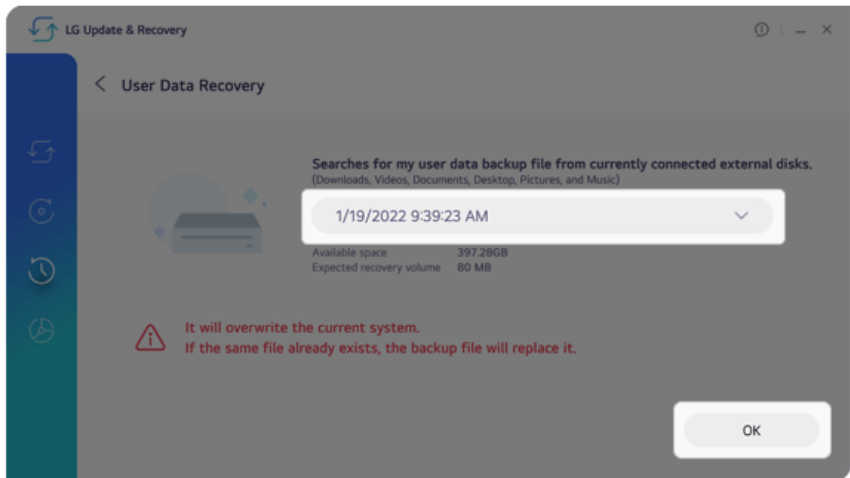
- 1 Connect the external disk where the backup file will be saved to the PC.
- 2 Select the Start button [  ] > [All apps] and run [LG Update & Recovery].
- 3 Select [Backup] > [Data Backup].
- 4 Select the external disk and click [OK].



- 5 When the backup is complete, click [OK].

## Data Recovery

- 1 Connect the external disk where the backup file is saved to the PC.
- 2 Select the Start button [  ] > [All apps] and run [LG Update & Recovery].
- 3 Select [Recovery] > [User Data Recovery].
- 4 Select the backup file on the external disk and click [OK].



- 5 When the recovery is complete, click [OK].

## Factory Reset


This function resets your PC to the factory default state at the time of purchase.

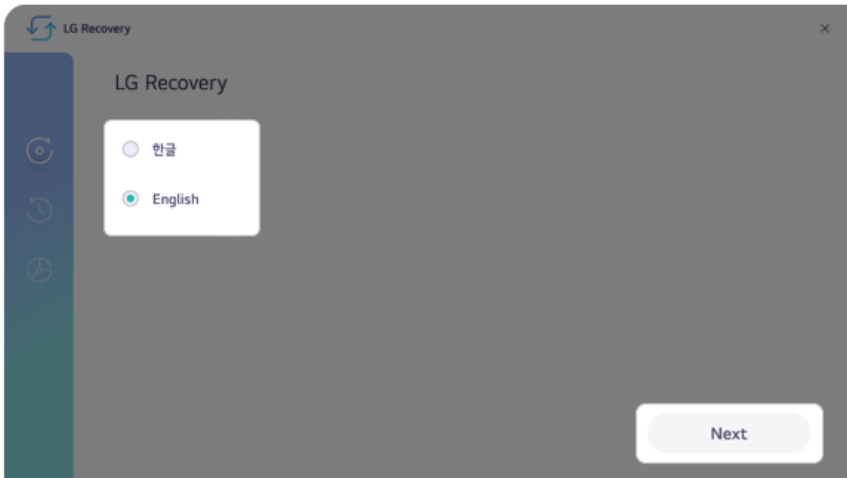
**This content only applies to the models provided with LG Update & Recovery.**



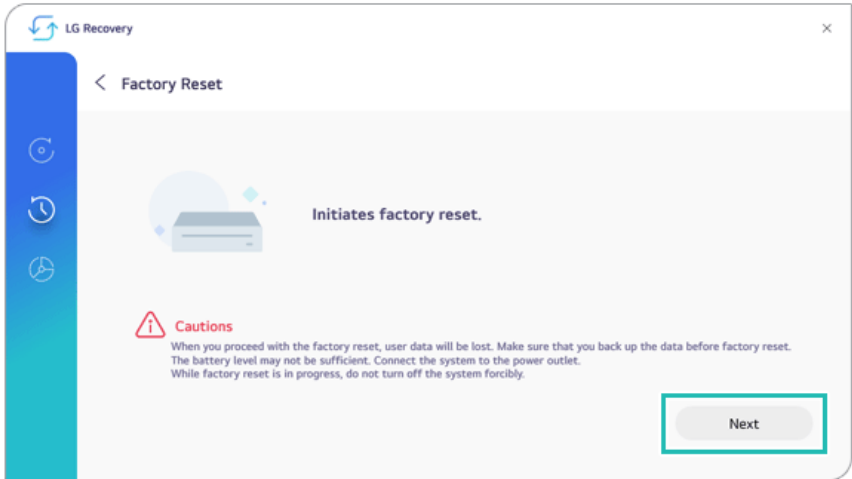
### CAUTION

All data is lost during the initialization so you must backup all critical data in advance.  
For factory reset, the AC adapter must be connected to the PC.

- 1 Select the Start button [  ] > [All apps] and run [LG Update & Recovery].
- 2 Select [Recovery] > [Factory Reset] > [OK] to reboot the PC.
- 3 When the [LG Recovery] screen appears, check the language you want to use and select [Next].



- 4 Select [Recovery] > [Factory Reset] > [Next] to execute the factory reset.



- 5 When the factory reset is complete, click [OK] to reboot the PC.



## Creating Recovery Disk

Once you create a recovery disk, you can use **LG Recovery** to recover the system even when the system fails to boot due to a problem.

**This content only applies to the models provided with LG Update & Recovery.**




### CAUTION

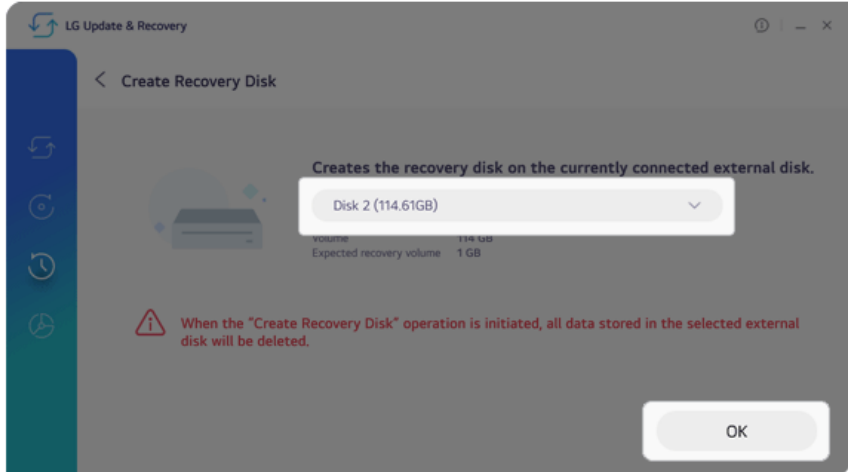
Creating a recovery disk will delete all data on the external disk, so please back up important data in advance.



### TIP

You can create the recovery disk only on an external disk (USB memory, HDD, etc.).

- 1 Select the Start button [  ] > [All apps] and run [LG Update & Recovery].
- 2 Select [Recovery] > [Create Recovery Disk].
- 3 Select the external disk and click [OK].



- 4 Once the recovery disk has been created, click [OK].

## Recovering from a Boot Failure

If the system cannot boot due to a serious error with the system, you can recover the system using the method shown below.

**This content only applies to the models provided with LG Update & Recovery.**



### CAUTION

All data is lost during the initialization so you must backup all critical data in advance.

For recovery, the AC adapter must be connected.

If you have deleted the recovery data in the protected area of the hard disk, the recovery function may not work.



### TIP

You can create the recovery disk only on an external disk (USB memory, HDD, etc.).

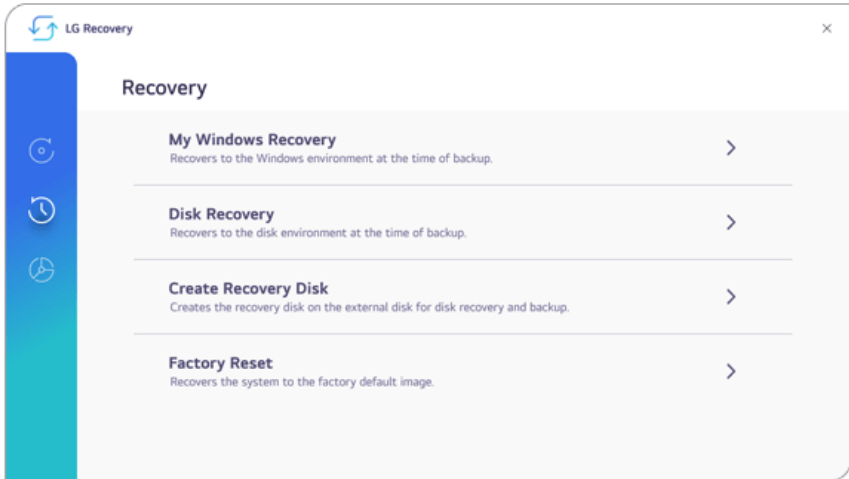
- 1 Turn on the PC and press [F11] multiple times.
- 2 When the **[LG Recovery]** screen appears, check the language you want to use and select [Next].



- 3 In [Recovery], select the desired recovery method to recover the system.

**TIP**

[My Windows Recovery] or [Disk Recovery] can be performed only when you have the backup data. If you have no backup data, you can recover it through [Factory Reset].

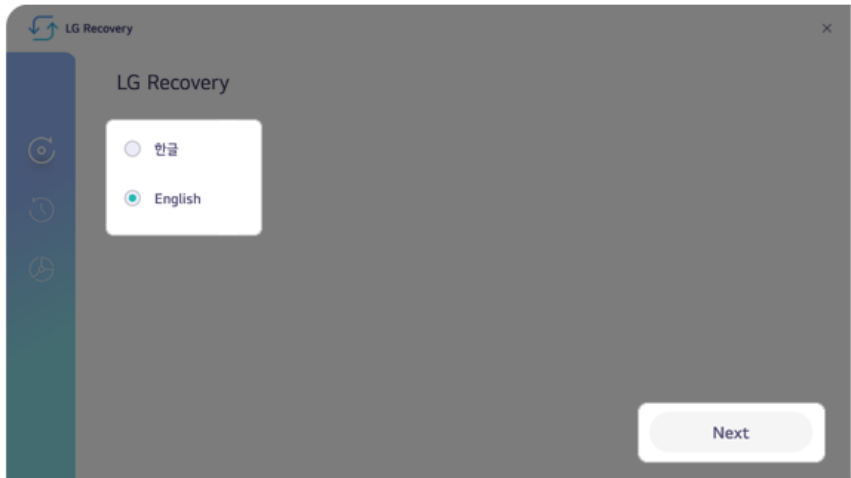


### Using Recovery Disk

If you can't execute **LG Recovery**, you can recover your system with a recovery disk.

- 1 Connect the recovery disk to your PC.
- 2 Turn on the PC and press [F10] multiple times.
- 3 When the screen for selecting the boot device appears, select the connected recovery disk and press [Enter].

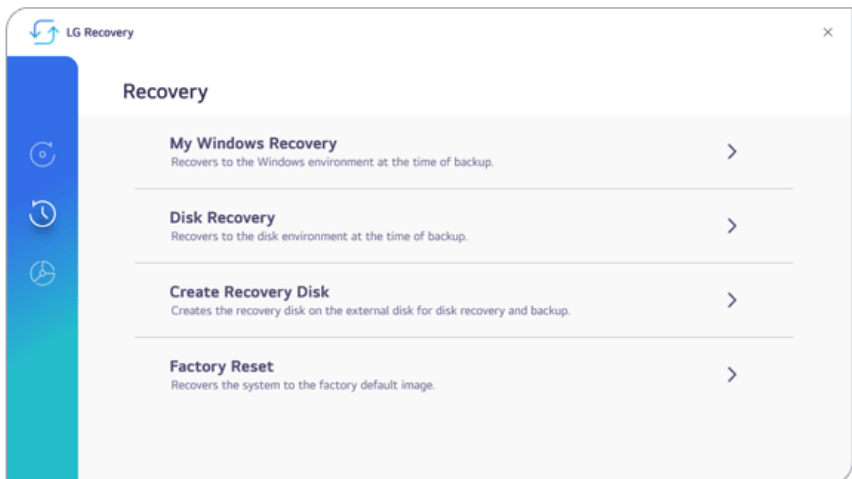
- 4 When the [LG Recovery] screen appears, check the language you want to use and select [Next].



- 5 In [Recovery], select the desired recovery method to recover the system.

**Tip** TIP

[My Windows Recovery] or [Disk Recovery] can be performed only when you have the backup data. If you have no backup data, you can recover it through [Factory Reset].




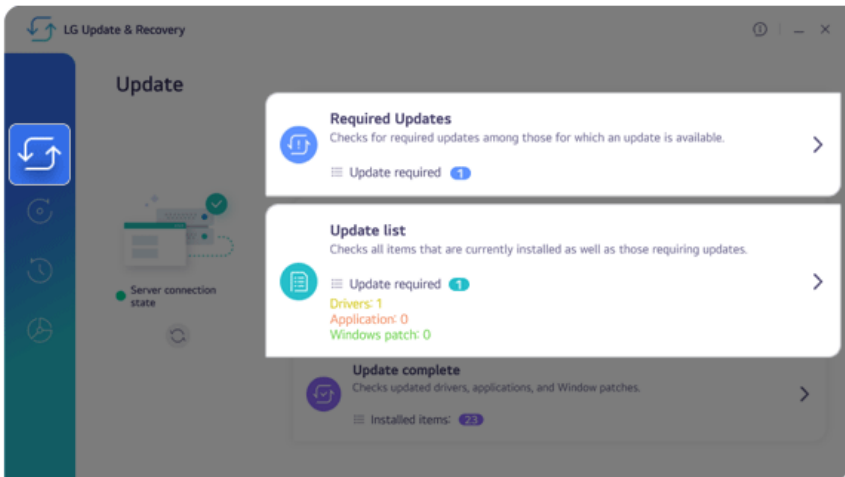
# Setup and Upgrade

## Installing the Driver

The figures herein may differ by language selection and are subject to change without prior notice.

Using **LG Update & Recovery** (or **LG Update**) to Install the Drivers

- 1 Select the Start button [  ] > [All apps] and run [**LG Update & Recovery**] or [**LG Update**].
- 2 Select [**Required Updates**] or [**Update List**] to install the driver.



### Tip TIP

You can use **LG Update & Recovery** (or **LG Update**) to install the deleted drivers or the latest drivers easily and quickly.

Use **LG Update & Recovery** (or **LG Update**) to keep your system current and optimized.

Downloading **LG Update & Recovery** (or **LG Update**)

You can download and install **LG Update & Recovery** (or **LG Update**) from LG Electronics website ([www.lg.com](http://www.lg.com)).

## Starting System Setup

System setup means storing the hardware configuration information of the PC in the flash memory. Through system setup, the PC retrieves various information including current date and time, memory capacity, and storage device (HDD, SSD, eMMC) capacity and type.

You setup the system when you set passwords, change the boot order, and add new peripheral devices to the machine.

**Items displayed on the Setup screen may differ by model type and specification.**

**TIP**

To use the system setup (F2), booting device selection (F10), or recovery (F11), you need to restart the system (click [Restart] in the system power menu) and then immediately press the corresponding function key due to the fast booting speed.



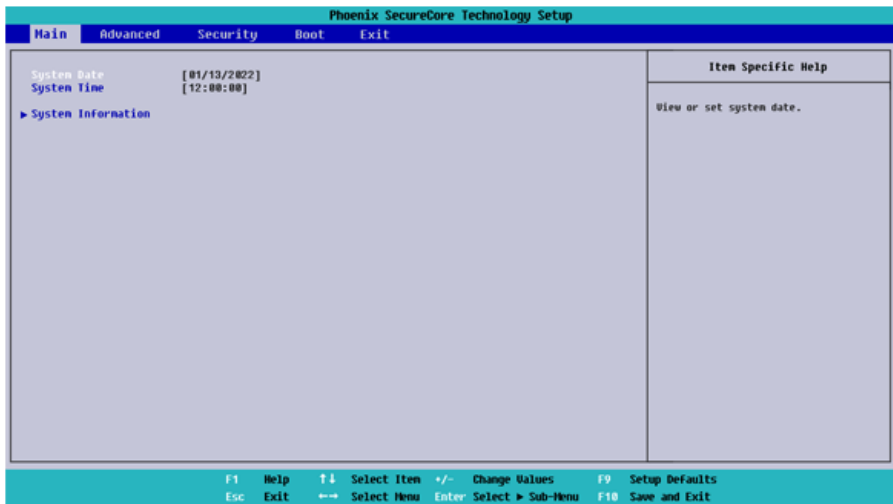
**CAUTION**

- Do not change the system setup unless necessary. Incorrect system setup may cause errors during system operation. Use caution when changing the system setup.
- For performance improvement, the system setup menu configuration and the initial setup status may be changed and may become different from images included in the user manual.

- 1 Reboot the system and press [F2] multiple times.



- 2 In a few moments, the system setup screen appears.



### Keys Used in System Setup

Keys	Function
Enter	Selects the current item.
Esc	To deselect the current item or to move to the previous screen.
▲, ▼, ◀, ▶ (Arrow keys)	Moves the cursor up, down, left, and right.
+, -	Increases or decreases the item value.
F10	Saves the new settings or exits the system setup.

## Setting the Boot Password

This process is to set a password so that other people cannot use the computer or change the settings.

The user can set a password while booting the system or setting up the system.

**The model in the example can differ from actual models and is subject to change for performance improvements, without prior notice.**



### CAUTION

Without the registered password, access to the system will be denied. Write down and keep the password in a safe place.

### Set Supervisor Password

The password prevents unauthorized people from accessing the PC. By default, no password is set for the machine. If an unauthorized person changes the password in the System Setup, you will be unable to access the system.



### TIP

With **[Set Supervisor Password]**, you are authorized to set all items in the System Setup and to set **[Password on boot]**. In case other people also use the computer, it is recommended to set the **[Set User Password]**.



- 1 Reboot the system and press [F2] multiple times.



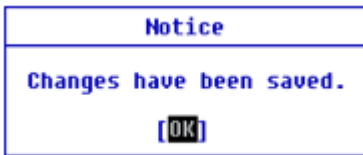
- 2 When the System Setup screen appears, go to **[Security]** > **[Set Supervisor Password]** using the arrow keys and press the [Enter] key.



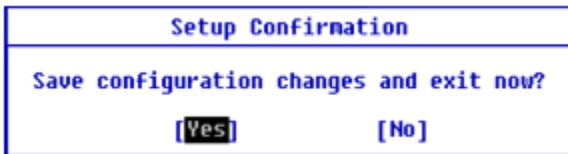
- 3 When the Password Setting screen appears, enter a password and press the [Enter] key. The password should not exceed 12 characters and should consist of English letters (A - Z), numbers (0 - 9), and special characters or a combination of them.



- 4 When a pop-up window appears, press the [Enter] key.



- 5 To save the changes in system setup, press [F10]. When a pop-up window appears, select [Yes] and press the [Enter] key.



- 6 The PC will restart.

### Set User Password

The password set in [Set User Password] is of a lower level than the one set in [Set Supervisor Password], so you can set a user password only after setting a password in [Set Supervisor Password].

#### Tip TIP

[Set User Password] allows limited access to the items in the System Setup screen compared to the [Set Supervisor Password] items.

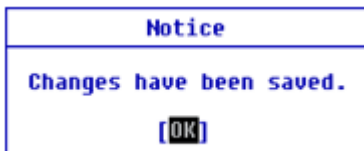
- 1 Execute the System Setup screen, go to **[Security]** > **[Set User Password]** using the arrow keys and press the **[Enter]** key.



- 2 When the Password Setting screen appears, enter a password and press the **[Enter]** key. The password should not exceed 12 characters and should consist of English letters (A - Z), numbers (0 - 9), and special characters or a combination of them.



- 3 When a pop-up window appears, press the **[Enter]** key.



- To save the changes in system setup, press [F10]. When a pop-up window appears, select **[Yes]** and press the [Enter] key.



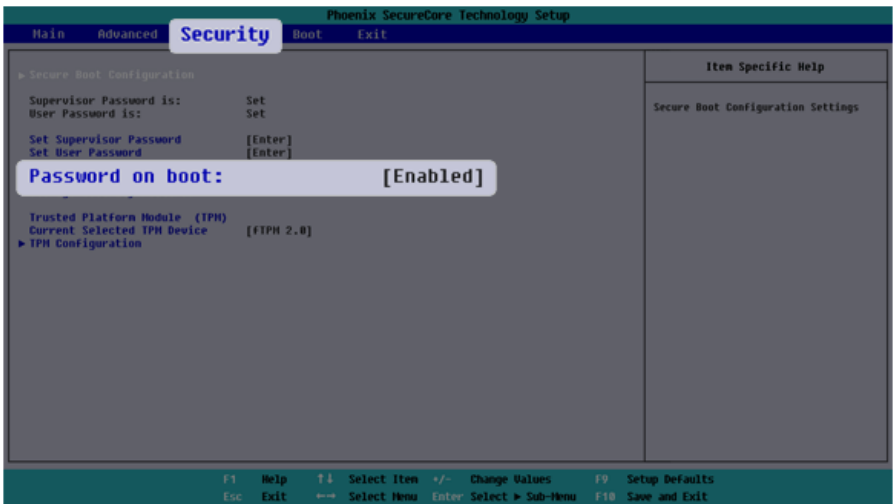
- The PC will restart.

### Password on boot

**[Password on boot]** protects your system by requiring during booting to enter the password set in **[Set Supervisor Password]** or **[Set User Password]**.

To set **[Password on boot]**, you first need to set **[Set Supervisor Password]** or set both **[Set Supervisor Password]** and **[Set User Password]**.

- Execute the System Setup screen, go to **[Security]** > **[Password on boot]** using the arrow keys and press the [Enter] key.



- Select **[Enabled]** and press the [Enter] key to complete the **[Password on boot]** setting.

## Storage Security Features

The password for **[Storage Security Features]** is to set the password directly on the storage device separately from **[Set Supervisor Password]**.

### Tip TIP

- Some models with built-in NVMe™ may not support the password setting function.
- For the models equipped with two NVMe devices, you can set a password for each device. If passwords are set for both devices, the password input window appears twice during the booting process. The order in which the password input windows appears is according to the **[Boot Priority Order]** of the **[Boot]** menu.

### CAUTION

If you lose the password for **[Storage Security Features]**, you cannot recover the storage device.

- Please note that the replacement of the storage device due to the loss of the password for **[Storage Security Features]** is excluded from the product warranty.

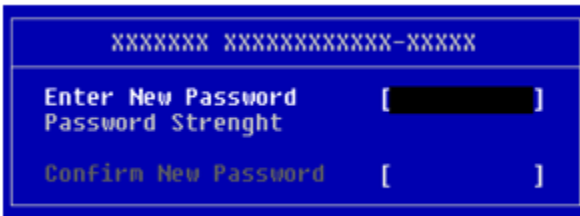
- 1 Execute the System Setup screen, go to **[Security]** > **[Storage Security Features]** using the arrow keys and press the **[Enter]** key.



- Go to the desired device and press the [Enter] key.



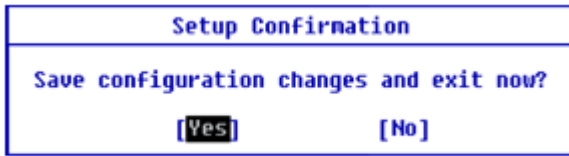
- Press the [Enter] key in **[Set Password]**.
- When the Password Setting screen appears, enter a password and press the [Enter] key. The password should not exceed 12 characters and should consist of English letters (A - Z), numbers (0 - 9), and special characters or a combination of them.



- When a pop-up window appears, press the [Enter] key.



- 6 To save the changes in system setup, press [F10]. When a pop-up window appears, select **[Yes]** and press the [Enter] key.



- 7 The PC will restart.

## Deleting/Changing the Boot Password

You can delete or change the password only after entering the current password.

**The model in the example can differ from actual models and is subject to change for performance improvements, without prior notice.**

### Changing the Boot Password

- 1 Execute the System Setup screen, enter the password, and press the [Enter] key.



- 2 Change the password in the same way as setting one.

### Deleting the Boot Password

- 1 Execute the System Setup screen, enter the password, and press the [Enter] key.

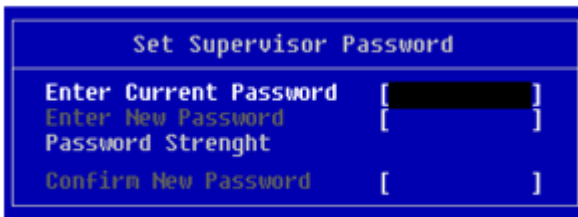




- 2 When the System Setup screen appears, go to **[Security]** > **[Set Supervisor Password]** using the arrow keys and press the **[Enter]** key.



- 3 When the Password Setting screen appears, enter the current password in the **[Enter Current Password]** field.



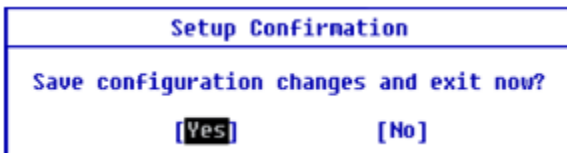
- 4 Press the [Enter] key in **[Enter New Password]** and again in **[Confirm New Password]**.



- 5 When a pop-up window appears, press the [Enter] key.



- 6 To save the changes in system setup, press [F10]. When a pop-up window appears, select **[Yes]** and press the [Enter] key.



- 7 The PC will restart.

#### Deleting the Boot Password (Storage Security Features)

- 1 Execute the System Setup screen, enter the password, and press the [Enter] key.



- 2 When the System Setup screen appears, go to **[Security]** > **[Storage Security Features]** using the arrow keys and press the **[Enter]** key.



- 3 Go to the desired device and press the **[Enter]** key.



- 4 Press the **[Enter]** key in **[Set Password]**.

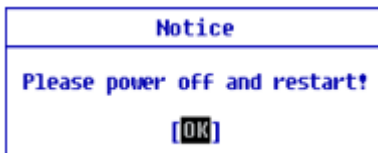
- 5 When the Password change screen appears, enter the current password in the **[Enter Current Password]** field.



- 6 Press the **[Enter]** key in **[Enter New Password]** and again in **[Confirm New Password]**.



- 7 When a pop-up window appears, press the **[Enter]** key.



- 8 To save the changes in system setup, press **[F10]**. When a pop-up window appears, select **[Yes]** and press the **[Enter]** key.



9 The PC will restart.

## Initializing System Setup

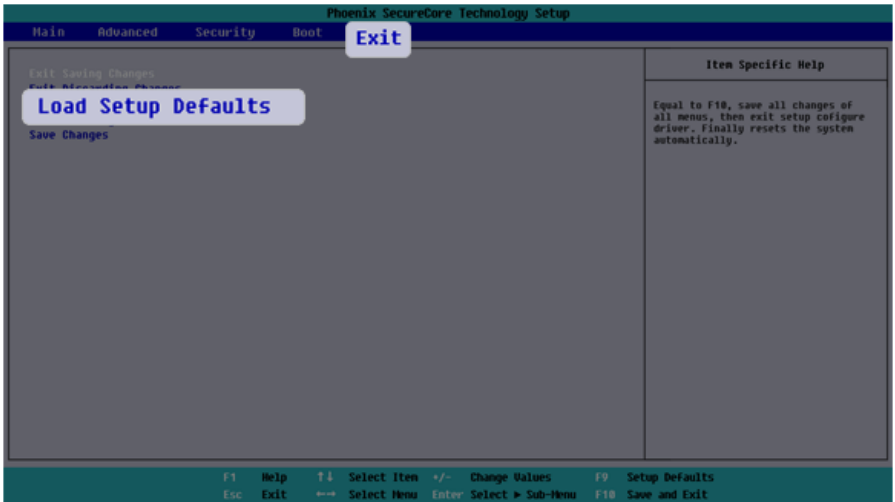
If you have changed the system setup by mistake, you can restore the default settings.

**The model in the example can differ from actual models and is subject to change for performance improvements, without prior notice.**

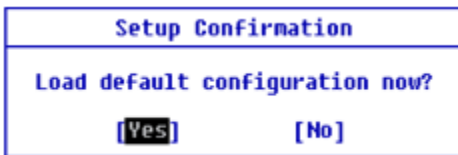
- 1 Execute the System Setup screen, go to **[Exit]** > **[Load Setup Defaults]** using the arrow keys and press the **[Enter]** key.

**Tip** **TIP**

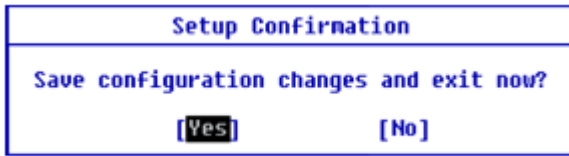
You can press the **[F9]** key to use the **[Load Setup Defaults]** item.



- 2 When a pop-up window appears, select **[Yes]** and press the **[Enter]** key. The settings will be reset to the factory default.



- To save the changes in system setup, press [F10]. When a pop-up window appears, select **[Yes]** and press the [Enter] key.



- The PC will restart.

## Changing the Boot Order

The user can change the boot order according to his or her needs, or select a boot device

**The model in the example can differ from actual models and is subject to change for performance improvements, without prior notice.**

**TIP**

To use the system setup (F2), booting device selection (F10), or recovery (F11), you need to restart the system (click **[Restart]** in the system power menu) and then immediately press the corresponding function key due to the fast booting speed.

### Changing the Boot Order

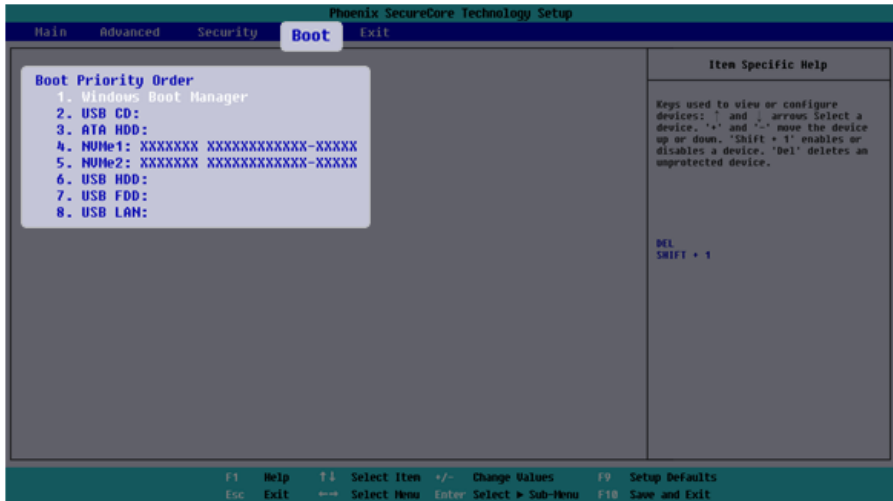
- 1 Reboot the system and press [F2] multiple times.



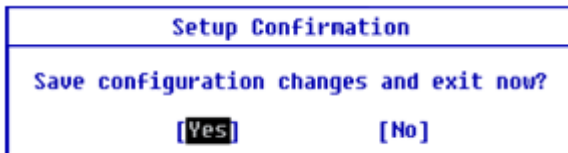
- 2 Go to the **[Boot]** menu using the arrow keys when the system setup screen appears.



- 3 Go to **[Boot Priority Order]** and press **[F5]** or **[F6]** to change the booting order.



- 4 To save the changes in system setup, press **[F10]**. When a pop-up window appears, select **[Yes]** and press the **[Enter]** key.



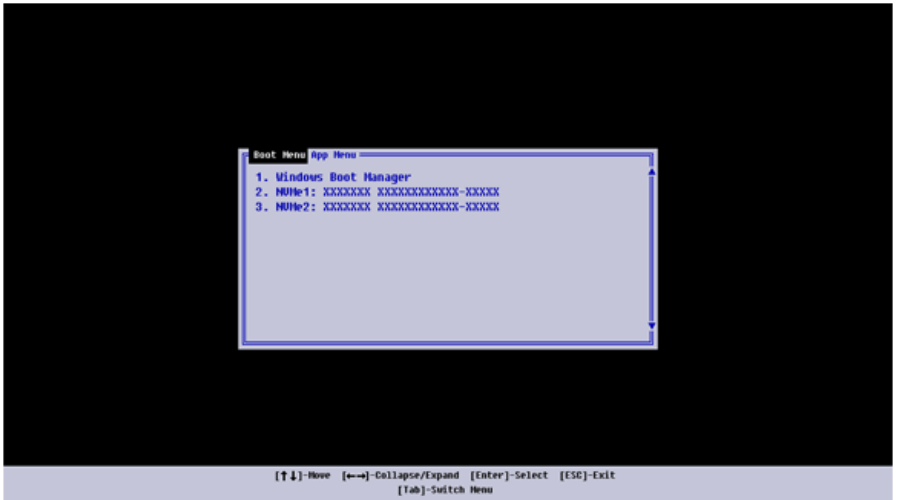
- 5 The PC will restart.

### Selecting a Booting Device to Use

- 1 Reboot the system and press [F10] multiple times.



- 2 When the Select Boot Device screen appears, go to the desired device using the arrow keys and press the [Enter] key.



3 Boots using the selected device.


## Setting Auto Scaling

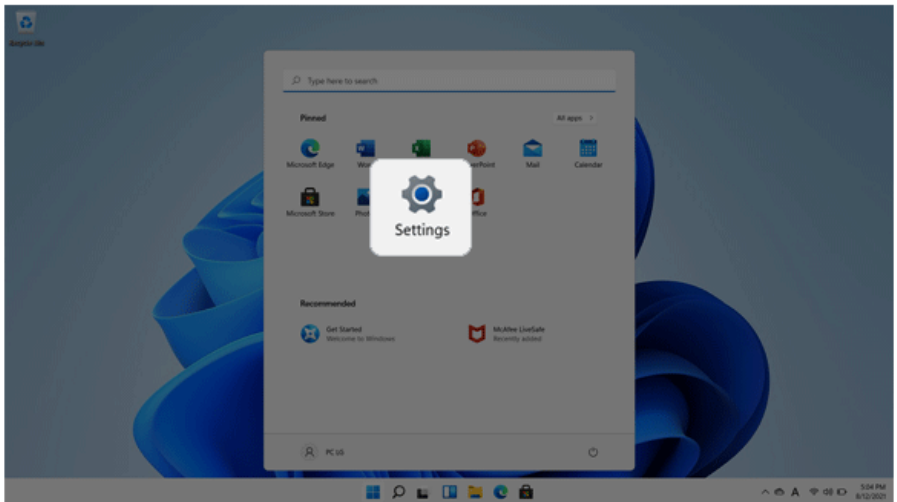
The Windows **Auto Scaling** feature for user's convenience may partially blur the screen or display some icons and texts larger.

Refer to the following information to change the DPI scaling to suit your needs.

- 1 Select the Start button [  ] > [Settings].

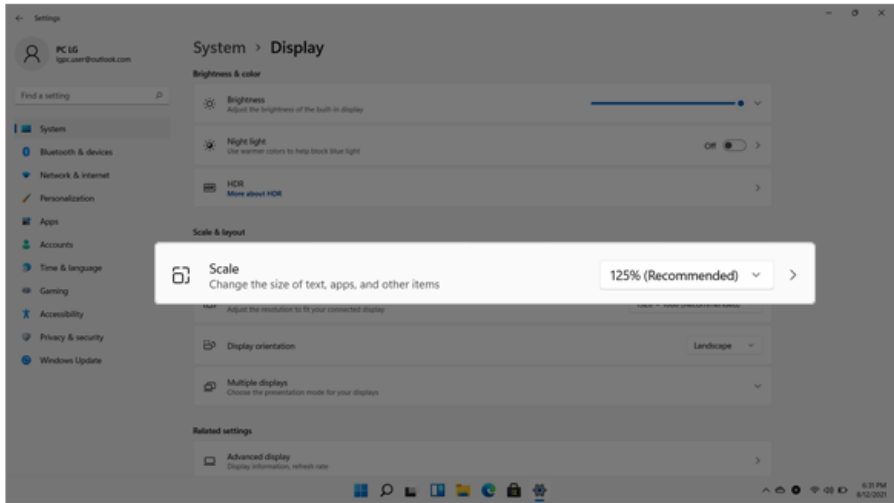
**TIP**

Press the [  ] key or [Ctrl] + [Esc] on the keyboard to display the Start screen.



- 2 Select [System] > [Display].

- 3 Changing the **[Scale]** item value changes the auto scaling settings.




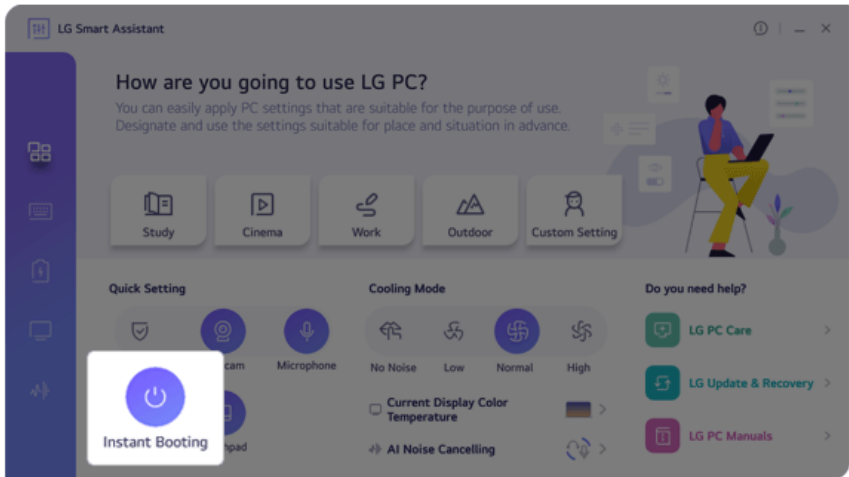
**TIP**

After changing the Auto Scaling settings, some apps must be shut down and restarted for the scaling and layout to take effect.

## Using Instant Booting

**Instant Booting** allows the system to boot automatically when the notebook PC cover is opened, so that you can use the system without pressing the power button.

- 1 Select the Start button [  ] > [All apps] and run [LG Smart Assistant].
- 2 Turn on [Instant Booting].



- 3 Shutdown the system and close the notebook PC cover.
- 4 When the cover is opened, the notebook PC turns on and the system starts to boot automatically.

# FAQ

## Using USB-C™ (Thunderbolt™) Charging Function

You can connect the USB-C™ device to charge a notebook PC battery or an external device, and the operation mode is automatically selected depending the charge settings of the connected device.

- To charge a notebook PC battery, the external device (USB PD Charger, notebook PC, etc.) should support USB Power Delivery 10 W (5 V / 2 A) or higher profile.
  - The external devices that use the USB-C™ port support 10 W (5 V / 2 A) and 15 W (5 V / 3 A).
  - A USB device compatible with USB PD (Power Delivery) supports charging at 15 W (5 V / 3 A), whereas a regular USB device supports charging at 10 W (5 V / 2 A).
  - USB PD batteries cannot be charged using the USB-C™ port of the notebook PC.
  - Always-On Charging is supported only with USB-C™ ports, but not with the regular USB ports.
  - If you connect an adapter with a lower output than the rated adapter, it may take more time to charge the notebook PC.
- 1 When the connected device is set to Automatic (charging the notebook PC or a connected device). Charging the notebook PC by using the mobile phone is not supported.)



- 2 When the connected device is set to Source (the notebook PC is charged.)



- 3 When the connected device is set to Sink (the connected device is charged.)

**Tip** TIP

The charging status of the external device being charged is not displayed on the notebook PC. If you connected a smartphone, you should select "Charge mobile phone" on the smartphone screen to charge the phone battery.

**CAUTION**

If the power consumption of the notebook PC is larger than the power supply from the external device, the battery may be consumed gradually.



## LG Smart Assistant

**LG Smart Assistant** allows you to easily change the settings of your PC according to your needs.


### Tip TIP

Menus and supported functions may differ depending on the model.

Please update the program to the latest version through **LG Update & Recovery** (or **LG Update**).

The figures herein are subject to change without prior notice.

### Running LG Smart Assistant

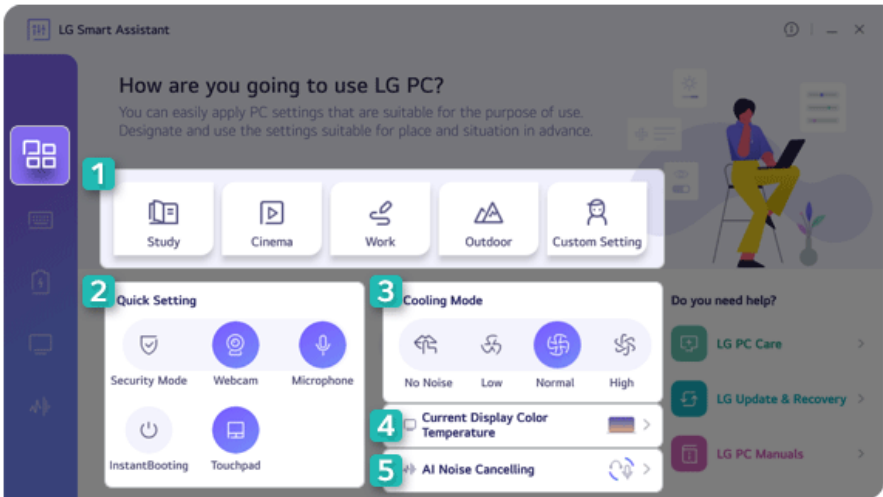
Select the Start button [  ] > [All apps] and run [LG Smart Assistant].



- 1 **Information Button:** Runs Help or displays information about the software.
- 2 **Minimize/Exit Button:** Minimizes the size of the window, or exits the software.
- 3 **Dashboard:** Allows you to specify PC settings suitable for the purpose of use and apply them at once, or to set key PC functions easily.
- 4 **Keyboard Setting:** Allows you to set keyboard lighting settings, Fn key lock settings, NumLock key status indicator and your own hot keys.
- 5 **Power Setting:** Allows you to check the battery status and extend the battery life, set the power and sleep settings, and set the USB-C™ port charging function.

- 6 **Display Setting:** Allows you to set the color temperature of the display or use the reader mode.
- 7 **AI Noise Canceling:** Allows you to set the noise canceling function for the microphone input and the speaker output.
- 8 **Go to LG Software:** Allows you to run LG PC Care, LG Update & Recovery (or LG Update), and LG PC Manuals directly.

## Dashboard



- 1 **User Mode:** Allows you to set the user mode according to the PC environment.
- 2 **Quick Setting:** Allows you to set the PC settings easily.
  - **Security Mode:** Allows you to turn off the webcam and the microphone.
  - **Webcam:** Allows you to turn off or on the webcam.
  - **Microphone:** Allows you to turn off or on the microphone.
  - **Instant Booting:** Allows you to set the system to turn on automatically when you open the cover of the notebook PC.
  - **Touchpad:** Allows you to turn off or on the touchpad.

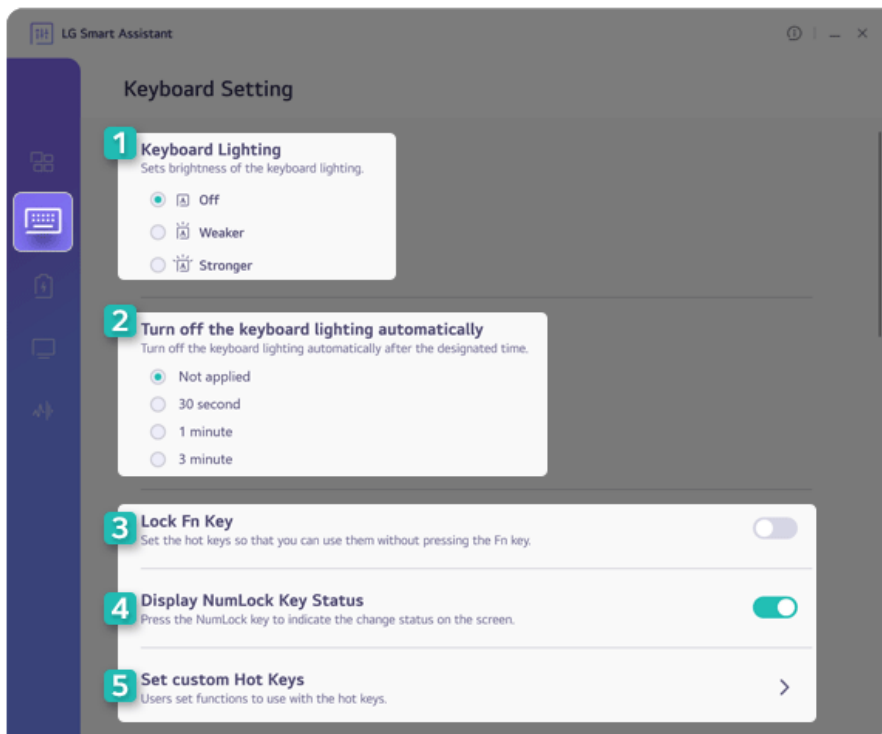
- 3 **Cooling Mode:** Allows you to set the fan mode of the PC according to the PC environment.
- **No Noise Mode:** Limits the PC performance so that the PC does not generate fan noise. (The PC surface temperature may rise when the function is used for a long time. It automatically changes to the **Normal Mode** upon reboot.)
  - **Low Mode:** Minimizes fan speed so that you can use the PC in a quiet environment. (This may degrade your PC performance. It automatically changes to the **Normal Mode** upon reboot.)
  - **Normal Mode:** Optimizes PC performance, heat and noise.
  - **High Mode:** Changes the mode to the one for the tasks that require high performance. (This may result in increased PC surface temperature and noise, and shorter battery life. It automatically changes to the **Normal Mode** upon reboot.)

**CAUTION**

When using for a long term, use **Normal Mode**.



- 4 **Current Display Color Temperature:** Go to the [Display Setting] menu.
- 5 **AI Noise Canceling:** Go to the [AI Noise Canceling] menu.

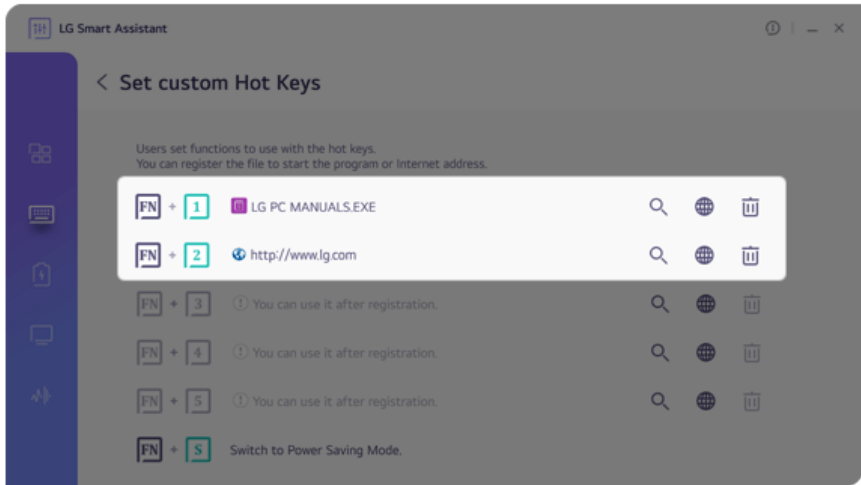
## Keyboard Setting



- 1 Keyboard Lighting:** Allows you to set the keyboard lighting and brightness.
- 2 Turn off the keyboard lighting automatically:** Allows you to set the keyboard light to turn off automatically after a specified amount of time.
- 3 Lock Fn Key:** Allows you to set the hot keys (F1 - F12) to operate even without pressing Fn.
- 4 Display NumLock Key Status:** Allows you to set the screen to display the status change when you press the NumLock key.

## 5 Set custom Hot Keys: Allows you to register an app or internet address to a custom hot key.

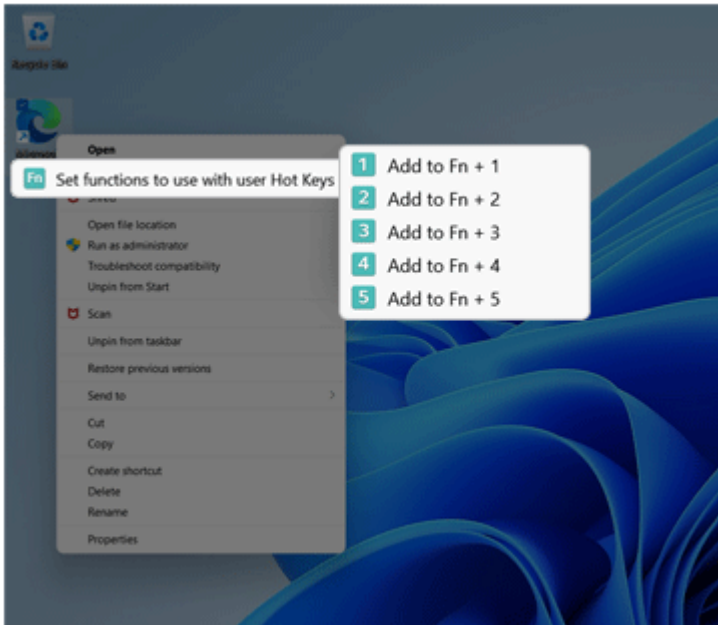
- On the Hot Keys Settings List, select the navigation icon [  ] or the internet icon [  ] to register the desired app or Internet address to a hot key.



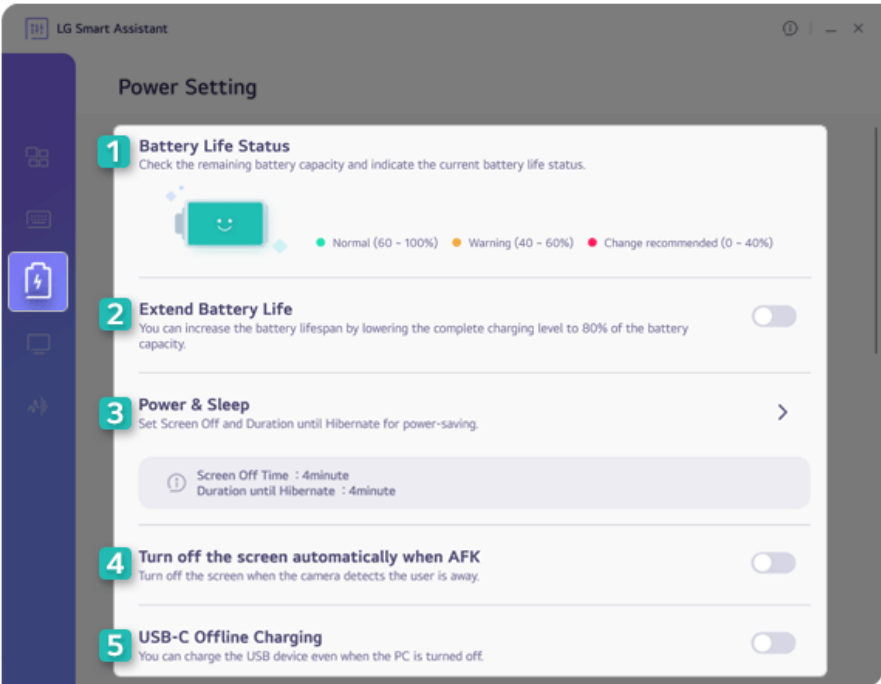
### TIP

- Some abnormal program files (exes) and Internet addresses (links) may not be linked.
- Hot keys can be set from 1 to 5, and the [Fn] + [S] Sleep Mode cannot be changed.

- After selecting the app-running file, right-click the mouse and use the [Show more options] > [Set functions to use with user Hot keys] menu to register the app quickly.

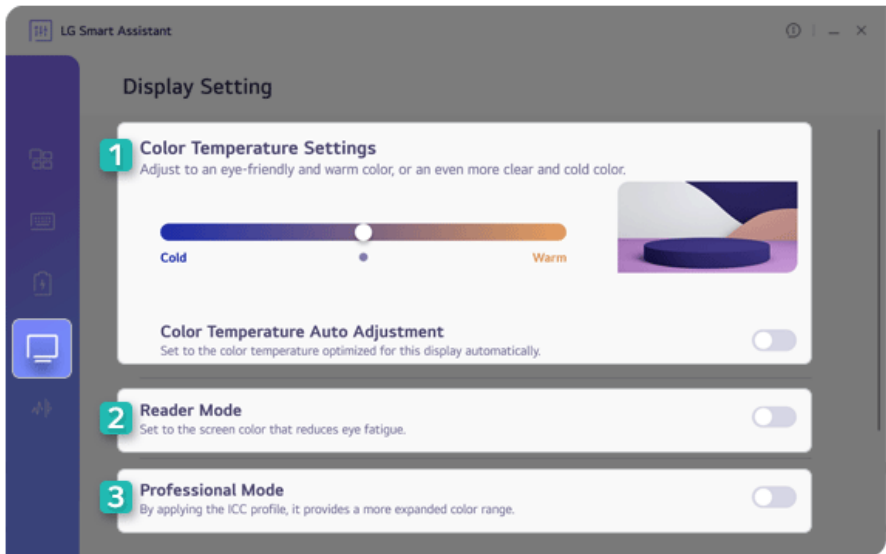


## Power Setting



- 1 **Battery Life Status:** Displays the battery status so that you can replace the battery timely.
- 2 **Extend Battery Life:** Allows you to lower the max. battery charge level to 80% to extend the battery lifespan.
- 3 **Power & Sleep:** Displays the screen off time and the sleep mode entry time. You can go to Windows settings and set the time.
- 4 **Turn off the screen automatically when AFK:** Allows you to set the screen to automatically turn off when you are away from the keyboard for a certain amount of time.
- 5 **USB-C™ Offline Charging:** Allows you to set the PC to charge external devices via the USB-C™ port even when the PC is turned off.


## Display Setting



- 1 **Color Temperature Settings:** Allows you to adjust the screen color temperature to cool (bluish screen color) or warm (reddish screen color) or use the automatic color temperature function.
- 2 **Reader Mode:** Allows you to set the Reader Mode to reduce eye fatigue when reading documents.

**CAUTION**

Using the **Reader Mode** and the **Night light** at the same time can cause color distortion. When you use the **Reader Mode**, turn off the **Night light**.

- You can turn [Night light] on or off in the Start button [  ] > [Settings] > [System] > [Display].

**TIP**

You can use hot keys to use the **Reader Mode** function more conveniently.

- Press the [Fn] + [F9] keys to switch the PC screen to **Reader Mode**. Press them again to turn off **Reader Mode**.

- 3 **Professional Mode:** Provides a more extended color gamut to the display and enhances the content color reproduction.

**TIP**

**Professional Mode** uses an ICC profile and works only in some programs.



## AI Noise Cancelling



- 1 **AI Microphone Optimization:** Cancels out the noise input to the microphone to deliver clear sound.
- 2 **AI Speaker Optimization:** Cancels the noise output from the speakers to deliver clear sound.

## Backing up/Recovering My Windows

You can back up and recover the disk partition where Windows is installed.

**This content only applies to the models provided with LG Update & Recovery.**



### CAUTION


Partitions other than the disk partition where Windows is installed are not backed up.  
For backup or recovery, the AC adapter must be connected to the PC.

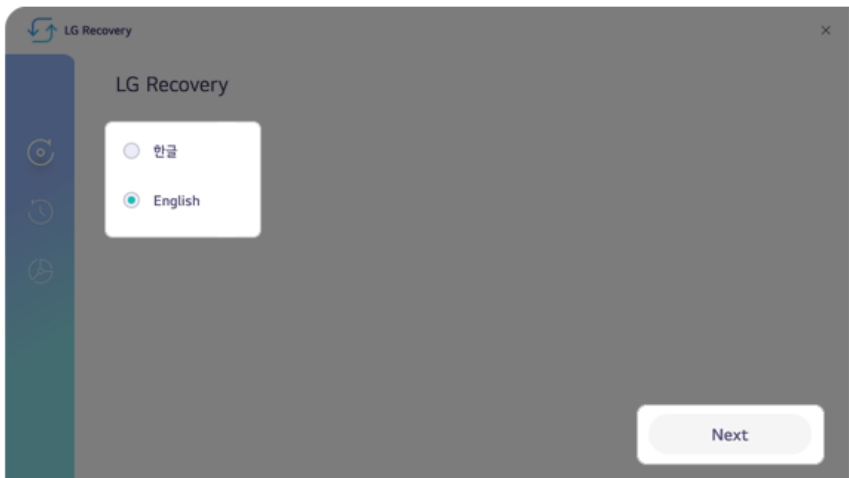


### TIP

You can perform backup only on an external disk (USB memory, HDD, etc.).

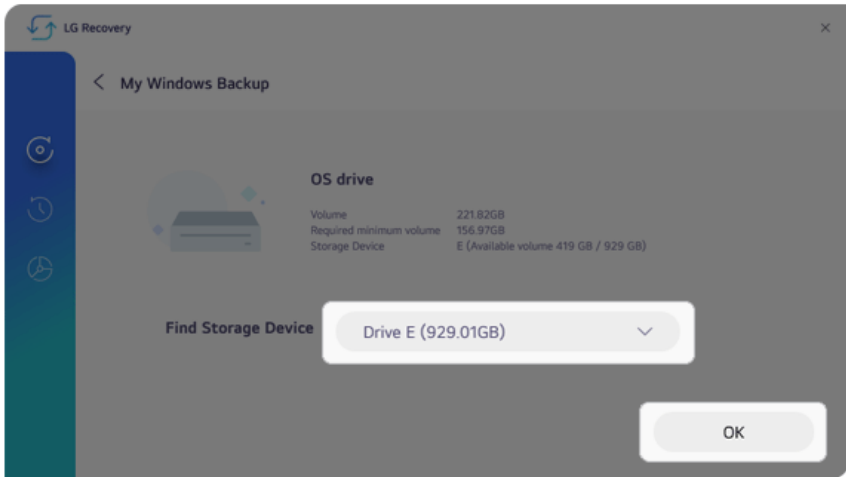
### My Windows Backup

- 1 Connect the external disk where the backup file will be saved to the PC.
- 2 Select the Start button [  ] > [All apps] and run **[LG Update & Recovery]**.
- 3 Select [Backup] > [My Windows Backup] > [OK] to reboot the PC.
- 4 When the **[LG Recovery]** screen appears, check the language you want to use and select [Next].



- 5 Select [Backup] > [My Windows Backup].

- 6 Select the external disk and click [OK].




- 7 When the backup is complete, click [OK].
- 8 Select the Exit button [ X ] to reboot the PC.

### My Windows Recovery

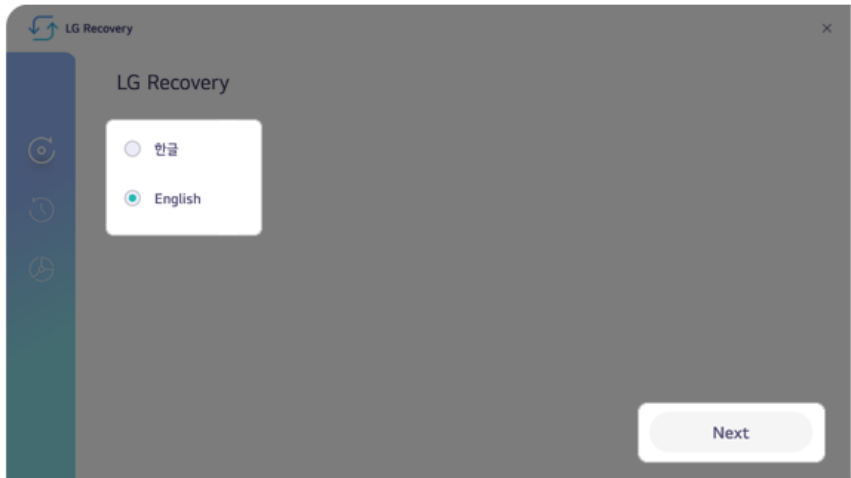


#### CAUTION

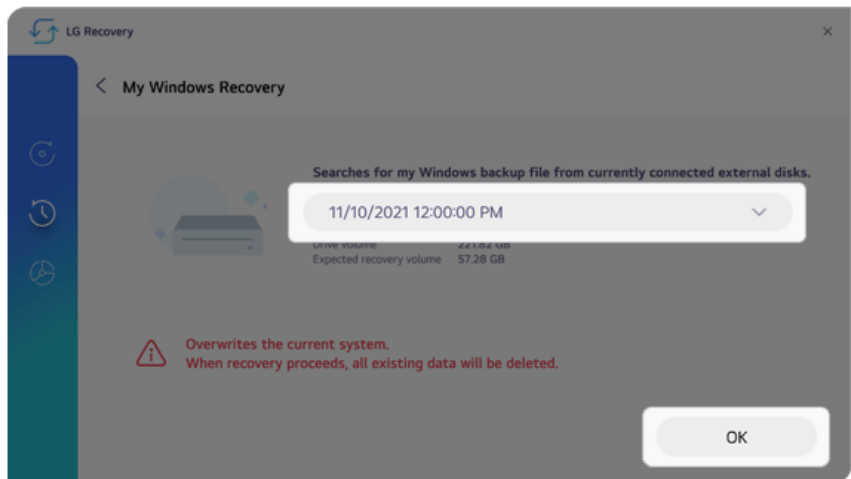
All user data on the partition where Windows is installed will be deleted, so you must backup all important data in advance.

- 1 Connect the external disk where the backup file is saved to the PC.
- 2 Select the Start button [  ] > [All apps] and run [LG Update & Recovery].
- 3 Select [Recovery] > [My Windows Recovery] > [OK] to reboot the PC.

- When the [LG Recovery] screen appears, check the language you want to use and select [Next].



- Select [Recovery] > [My Windows Recovery].
- Select the backup file on the external disk and click [OK].



- When the recovery is complete, click [OK].

- 8 Select the Exit button [ X ] to reboot the PC.

## Setting the Boot Password

This process is to set a password so that other people cannot use the computer or change the settings.

The user can set a password while booting the system or setting up the system.

**The model in the example can differ from actual models and is subject to change for performance improvements, without prior notice.**



### CAUTION

Without the registered password, access to the system will be denied. Write down and keep the password in a safe place.

### Set Supervisor Password

The password prevents unauthorized people from accessing the PC. By default, no password is set for the machine. If an unauthorized person changes the password in the System Setup, you will be unable to access the system.



### TIP

With **[Set Supervisor Password]**, you are authorized to set all items in the System Setup and to set **[Password on boot]**. In case other people also use the computer, it is recommended to set the **[Set User Password]**.

- 1 Reboot the system and press [F2] multiple times.



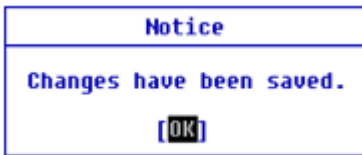
- 2 When the System Setup screen appears, go to **[Security]** > **[Set Supervisor Password]** using the arrow keys and press the [Enter] key.



- 3 When the Password Setting screen appears, enter a password and press the [Enter] key. The password should not exceed 12 characters and should consist of English letters (A - Z), numbers (0 - 9), and special characters or a combination of them.



- 4 When a pop-up window appears, press the [Enter] key.



- 5 To save the changes in system setup, press [F10]. When a pop-up window appears, select [Yes] and press the [Enter] key.



- 6 The PC will restart.

### Set User Password

The password set in [Set User Password] is of a lower level than the one set in [Set Supervisor Password], so you can set a user password only after setting a password in [Set Supervisor Password].

#### Tip TIP

[Set User Password] allows limited access to the items in the System Setup screen compared to the [Set Supervisor Password] items.



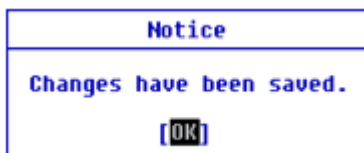
- 1 Execute the System Setup screen, go to **[Security]** > **[Set User Password]** using the arrow keys and press the **[Enter]** key.



- 2 When the Password Setting screen appears, enter a password and press the **[Enter]** key. The password should not exceed 12 characters and should consist of English letters (A - Z), numbers (0 - 9), and special characters or a combination of them.



- 3 When a pop-up window appears, press the **[Enter]** key.



- To save the changes in system setup, press [F10]. When a pop-up window appears, select **[Yes]** and press the [Enter] key.



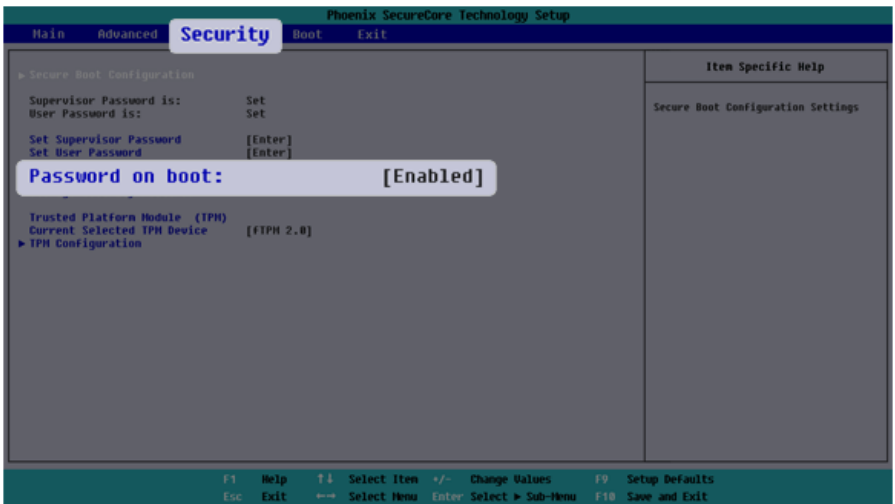
- The PC will restart.

### Password on boot

**[Password on boot]** protects your system by requiring during booting to enter the password set in **[Set Supervisor Password]** or **[Set User Password]**.

To set **[Password on boot]**, you first need to set **[Set Supervisor Password]** or set both **[Set Supervisor Password]** and **[Set User Password]**.

- Execute the System Setup screen, go to **[Security]** > **[Password on boot]** using the arrow keys and press the [Enter] key.



- Select **[Enabled]** and press the [Enter] key to complete the **[Password on boot]** setting.

## Storage Security Features

The password for **[Storage Security Features]** is to set the password directly on the storage device separately from **[Set Supervisor Password]**.

### Tip TIP

- Some models with built-in NVMe™ may not support the password setting function.
- For the models equipped with two NVMe devices, you can set a password for each device. If passwords are set for both devices, the password input window appears twice during the booting process. The order in which the password input windows appears is according to the **[Boot Priority Order]** of the **[Boot]** menu.



### CAUTION

If you lose the password for **[Storage Security Features]**, you cannot recover the storage device.

- Please note that the replacement of the storage device due to the loss of the password for **[Storage Security Features]** is excluded from the product warranty.

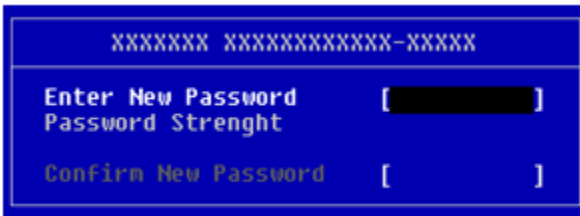
- 1 Execute the System Setup screen, go to **[Security]** > **[Storage Security Features]** using the arrow keys and press the **[Enter]** key.



- Go to the desired device and press the [Enter] key.



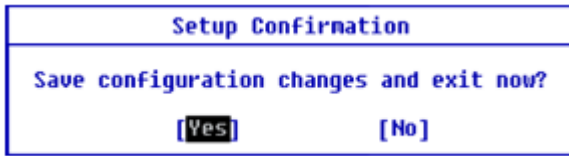
- Press the [Enter] key in **[Set Password]**.
- When the Password Setting screen appears, enter a password and press the [Enter] key. The password should not exceed 12 characters and should consist of English letters (A - Z), numbers (0 - 9), and special characters or a combination of them.



- When a pop-up window appears, press the [Enter] key.



- To save the changes in system setup, press [F10]. When a pop-up window appears, select **[Yes]** and press the [Enter] key.




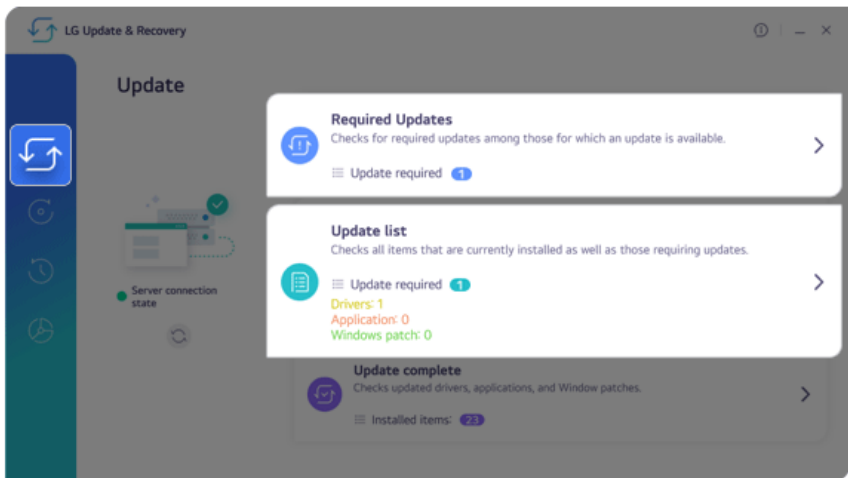
- The PC will restart.

## Installing the Driver

The figures herein may differ by language selection and are subject to change without prior notice.

Using **LG Update & Recovery** (or **LG Update**) to Install the Drivers

- 1 Select the Start button [  ] > [All apps] and run [**LG Update & Recovery**] or [**LG Update**].
- 2 Select [**Required Updates**] or [**Update List**] to install the driver.



### Tip TIP

You can use **LG Update & Recovery** (or **LG Update**) to install the deleted drivers or the latest drivers easily and quickly.

Use **LG Update & Recovery** (or **LG Update**) to keep your system current and optimized.

Downloading **LG Update & Recovery** (or **LG Update**)

You can download and install **LG Update & Recovery** (or **LG Update**) from LG Electronics website ([www.lg.com](http://www.lg.com)).


## Setting Auto Scaling

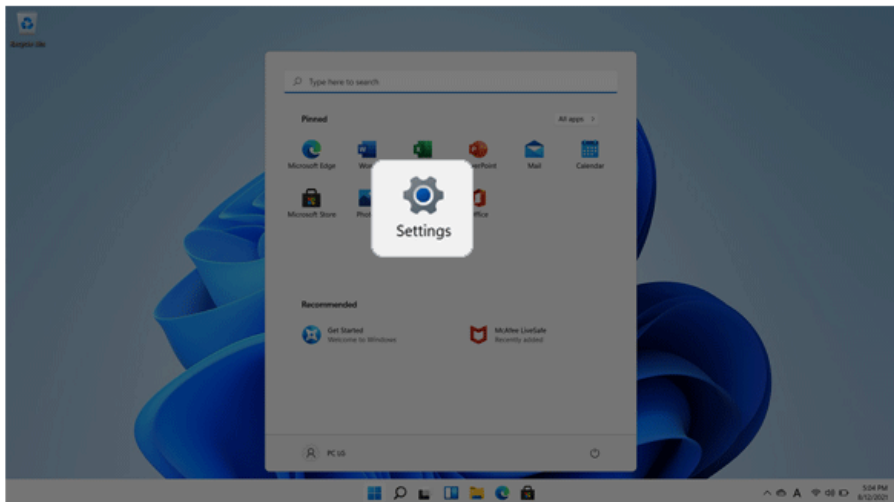
The Windows **Auto Scaling** feature for user's convenience may partially blur the screen or display some icons and texts larger.

Refer to the following information to change the DPI scaling to suit your needs.

- 1 Select the Start button [  ] > [Settings].

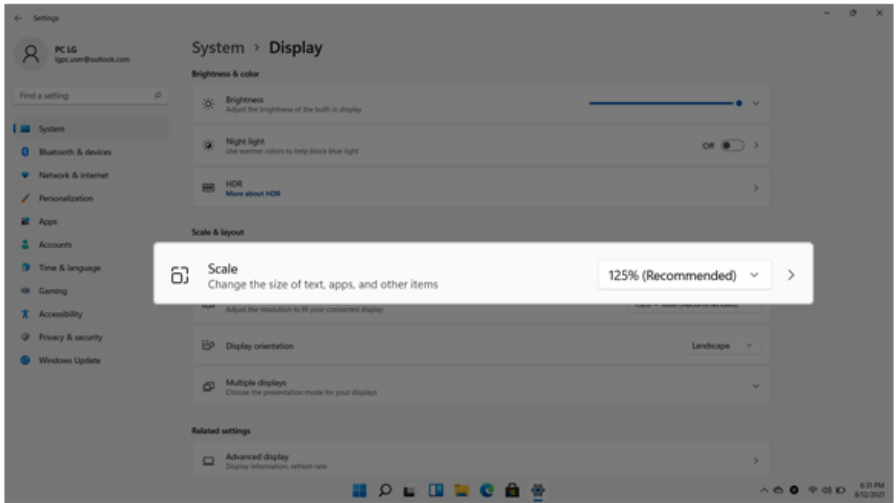
**Tip** TIP

Press the [  ] key or [Ctrl] + [Esc] on the keyboard to display the Start screen.



- 2 Select [System] > [Display].

### 3 Changing the [Scale] item value changes the auto scaling settings.



#### **Tip** TIP

After changing the Auto Scaling settings, some apps must be shut down and restarted for the scaling and layout to take effect.