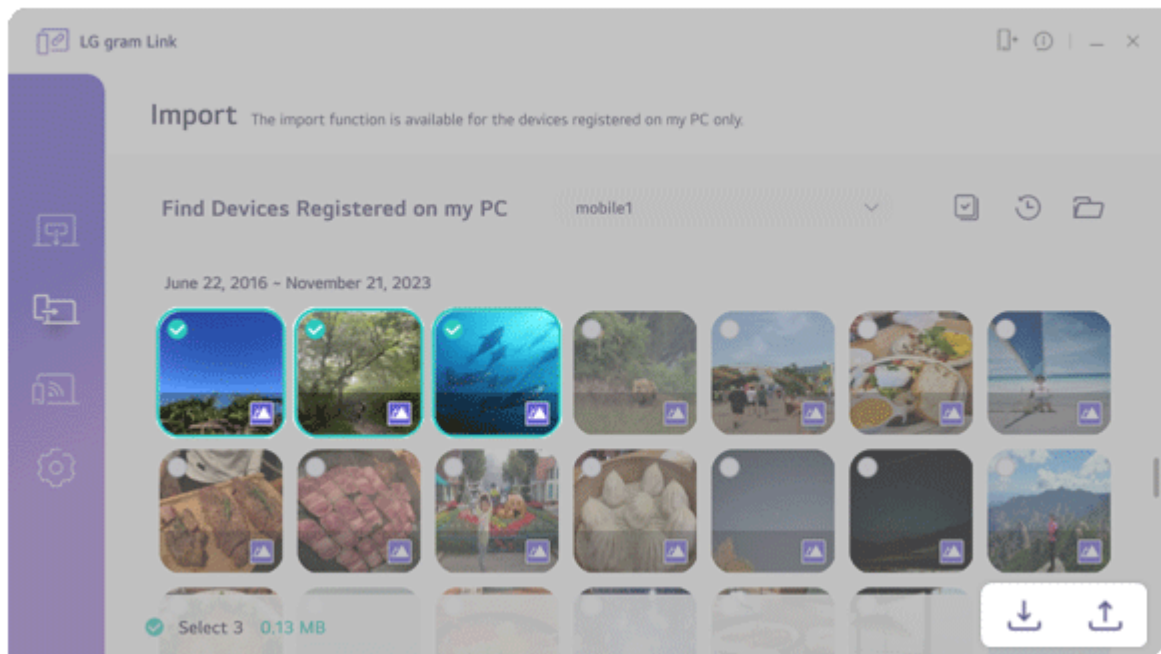
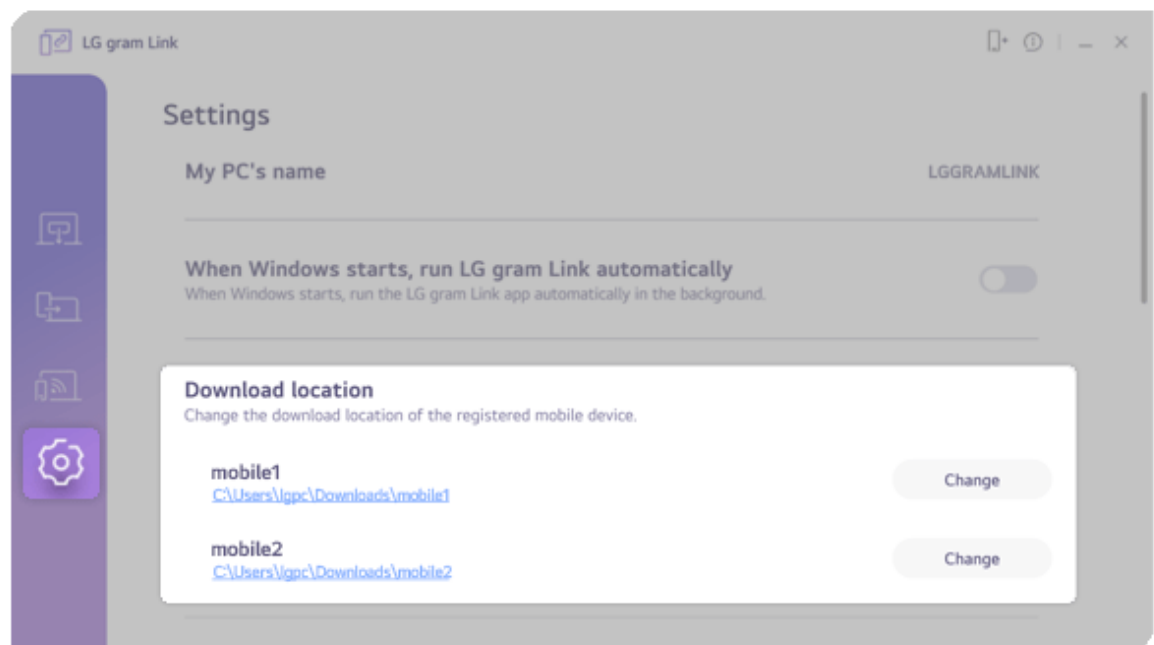




Tip:

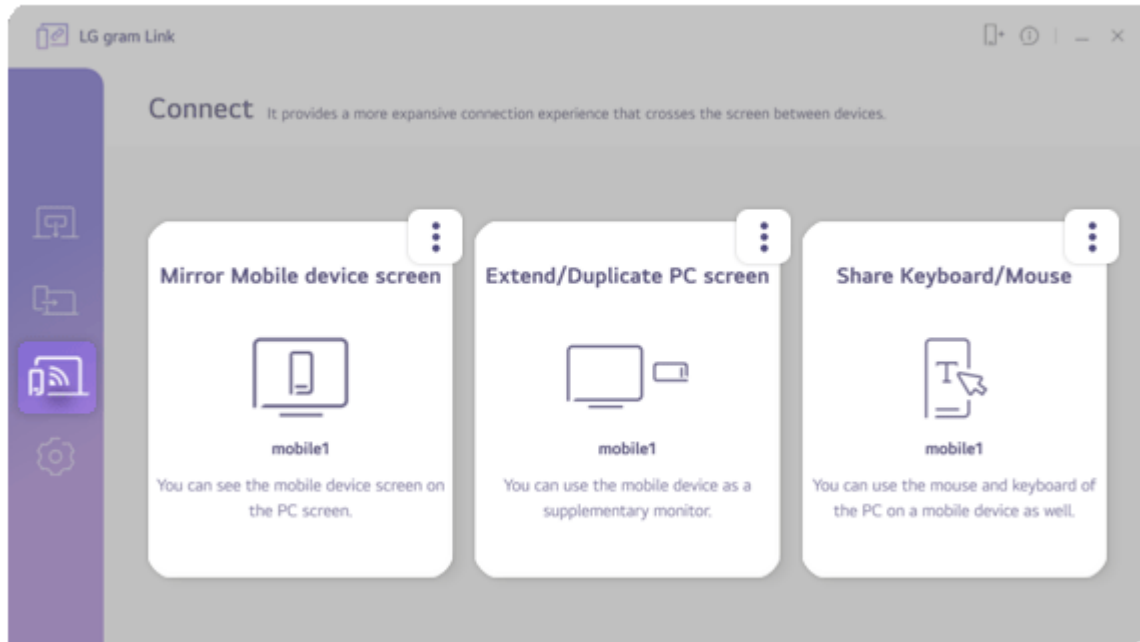
The files saved in your PC can be found in [Settings] > [Download location].



Connecting to Devices

1. In the [Connect] menu, select the menu for a desired function and connect to the device.

– If you want to change the device to connect to, select [] and change the device.



- **Mirror Mobile device screen:** The screen of the registered mobile device appears on the PC screen, and you can control the mobile device via the PC. (If you want to stop using the PC's keyboard and mouse on the mirrored mobile device screen, press [Esc].)
- **Extend/Duplicate PC screen:** Displays the PC screen on the registered mobile device.
- **Share Keyboard/Mouse:** You can use the PC's mouse/keyboard for the registered mobile device as well. (You can use the following shortcut keys to switch between devices: [Ctrl] + [1] to switch to the PC and [Ctrl] + [2] to switch to the mobile device)



Tip:

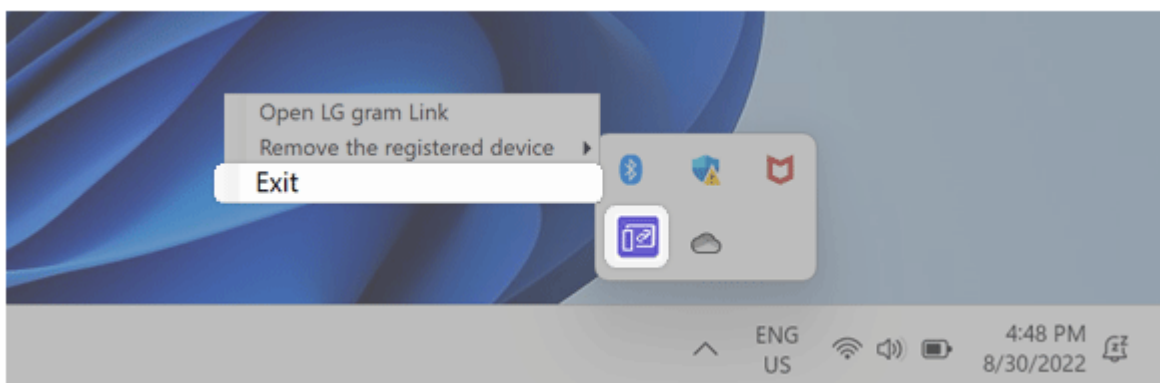
- If your keyboard or mouse does not work on the mobile device screen, refer to [Reconnecting to Bluetooth] below.

2. Select the menu again to disconnect the device.

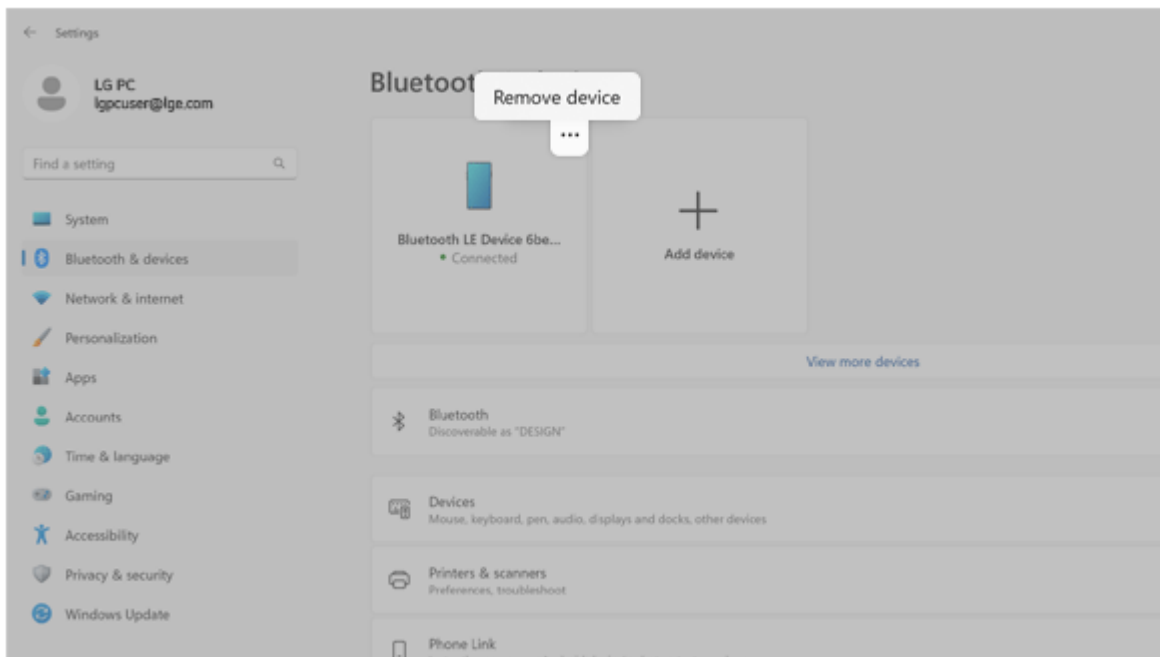
Reconnecting to Bluetooth

When no device is discovered / When the PC's keyboard or mouse does not work on the mobile device screen:

1. Select the [] icon on the right side of the taskbar, right-click the [] icon, and press [Exit] to exit the app.



2. Select the Start button [] > [Settings] > [Bluetooth & devices], press the [] icon for the mobile device, and press [Remove device] to remove the mobile device.

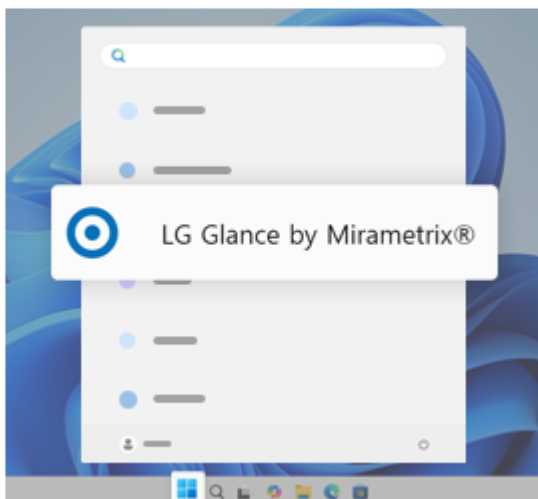


3. In the Bluetooth settings for the mobile device, remove the connected PC.
4. Turn off the Bluetooth function of the PC and the mobile device, wait for 10 seconds, and turn it back on.
5. Run the LG gram Link app and reconnect the PC.

LG Glance by Mirametrix®

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

- Select the Start button [] > [All apps] and run [LG Glance by Mirametrix®].



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.



You can re-install the app in LG Update & Renew.

The figures herein are subject to change without prior notice.

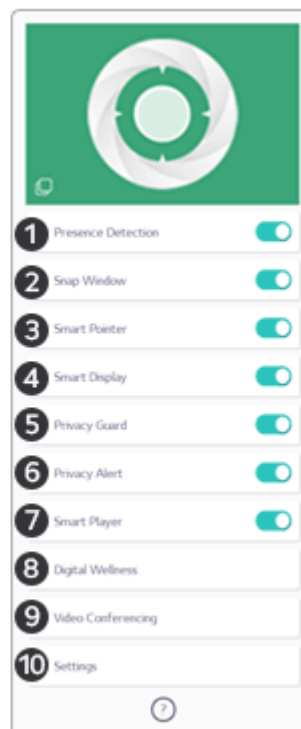
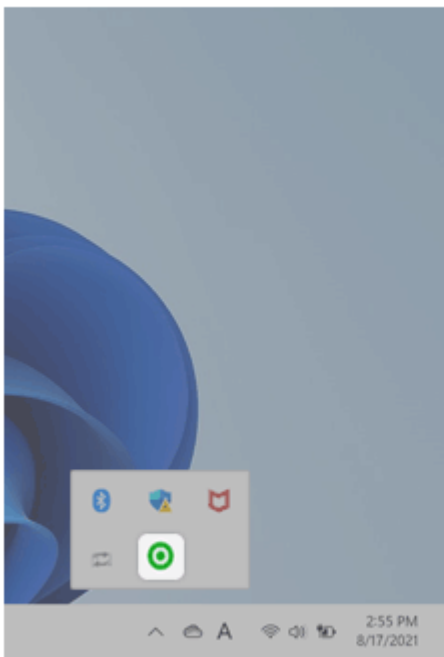
Tour

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:

To always display the LG Glance by Mirametrix® icon [] on the taskbar, right-click on the taskbar, select [Taskbar settings] > [Other system tray icons], 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:** 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®.



Tip:

For [Snap Window] and [Smart Pointer], an external monitor should be connected through Expansion, and they cannot be used if the monitor placement in [Display settings] is different from the actual monitor placement.

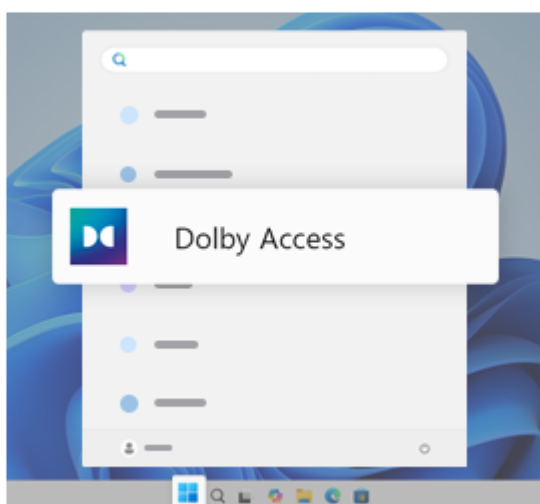
Right-click the mouse on Desktop > In [Display settings], change monitor placement according to the environment in use.

- For more information on how to connect the external monitor, refer to the details of [Connecting to External Display] in [Using the PC].

Dolby Access

Dolby Access helps use Dolby Atmos effects that provide accurate and ample sounds according to the situation.

- Select the Start button [] > [All apps] and run [Dolby Access].



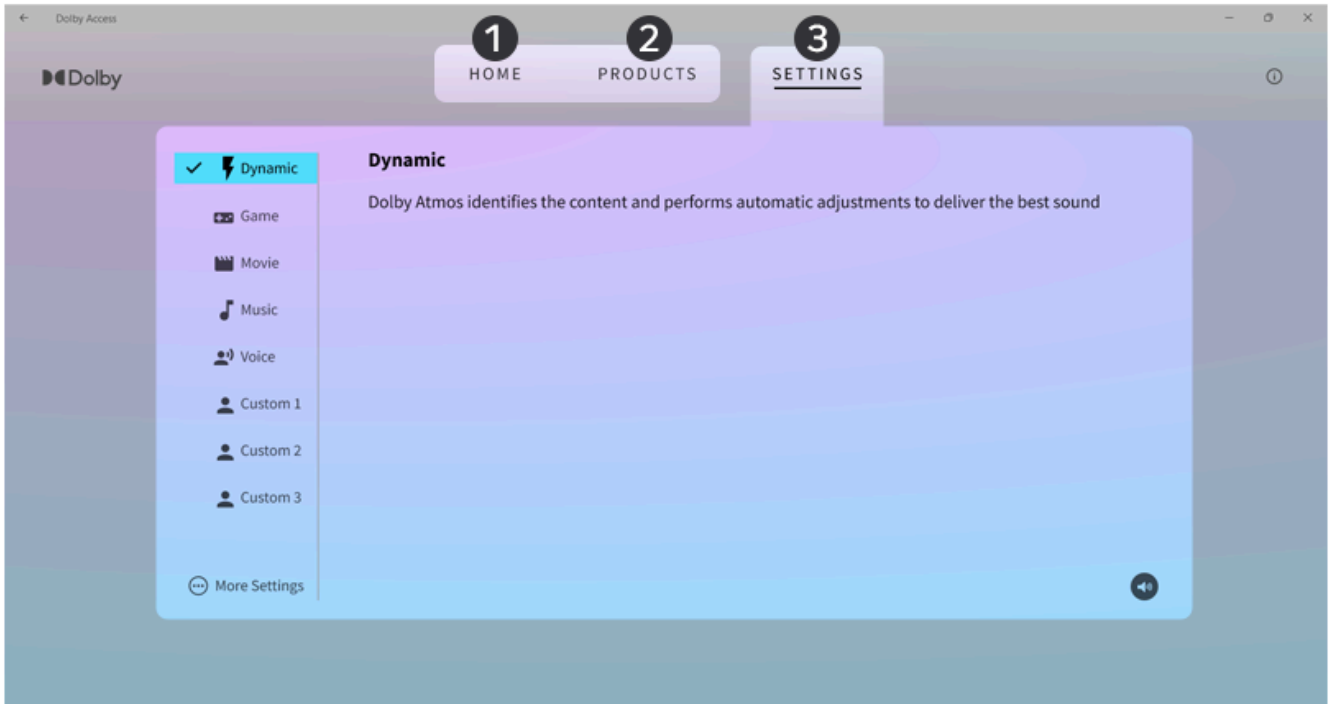
Tip:

This app may not be provided depending on the model.

You can re-install the app by searching Dolby Access in Microsoft Store.

The figures herein are subject to change without prior notice.

Tour



1. **Home:** Allows you to experience contents for Dolby Atmos.
2. **Product:** Allows you to set the product that can activate Dolby Atmos effects. (It is set to the built-in speaker by default, and when connecting the headphone, it changes to the headphone.)
3. **Settings:** Allows you to select various sound effects according to the situation.
 - **Dynamic:** Provides optimized sounds for contents in operation.
 - **Game:** Provides optimized sounds for running a game.
 - **Movie:** Provides optimized sounds for movie playback.
 - **Music:** Provides optimized sounds for music playback.
 - **Voice:** Provides optimized sounds for voice playback.
 - **Custom 1, 2, 3:** Provides optimized sounds according to user settings.
 - **More Settings:** Allows you set other settings such as deactivating Dolby Atmos effects.



Tip:

Remove Audio Driver or Dolby Atmos

- Remove [Dolby Access] and [Dolby Atmos Driver] first, and then remove [Realtek(R) Audio Driver] and restart the system.

Re-install Audio Driver or Dolby Atmos

- While [Dolby Access], [Dolby Atmos Driver], and [Realtek(R) Audio Driver] are all removed, install [Realtek(R) Audio Driver] first. Restart the system and install [Dolby Atmos Driver] and [Dolby Access], respectively.

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

Recovering the System

Backing up/Recovering My Windows

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

This only applies to models that support the 'Backup/Recovery' menu of LG Update & Renew.



Caution:

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

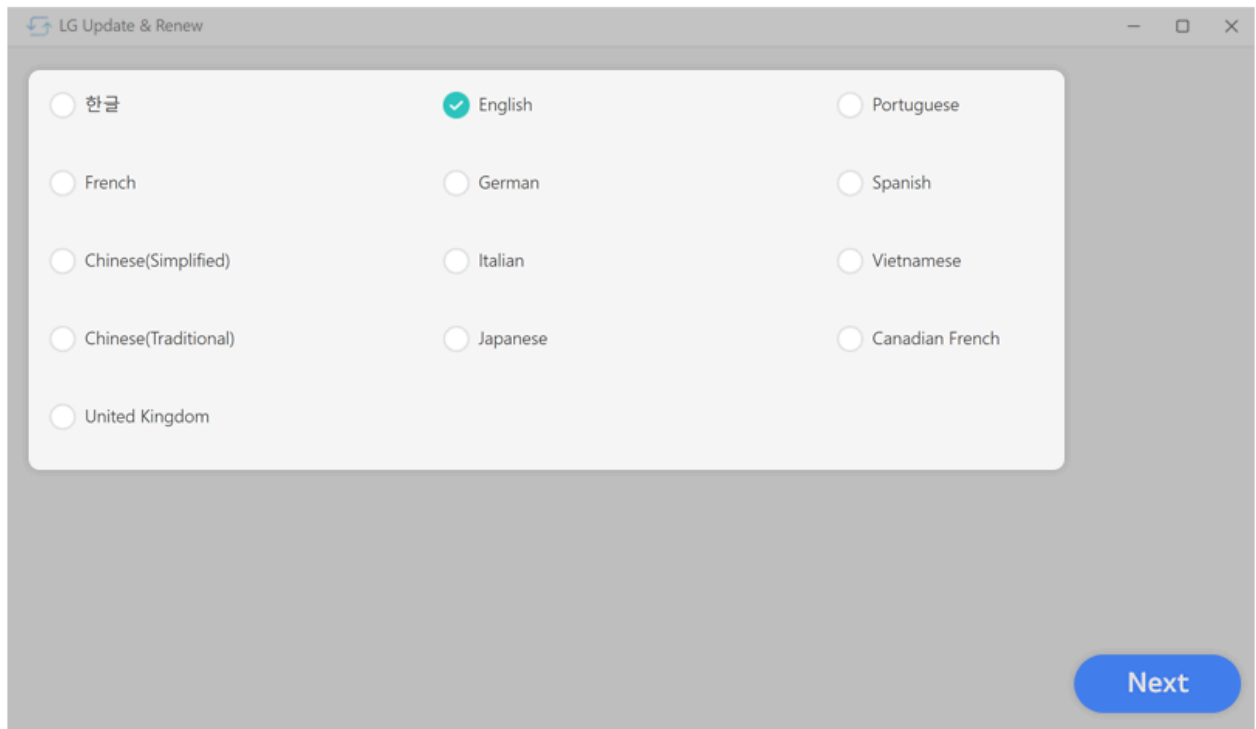


Tip:

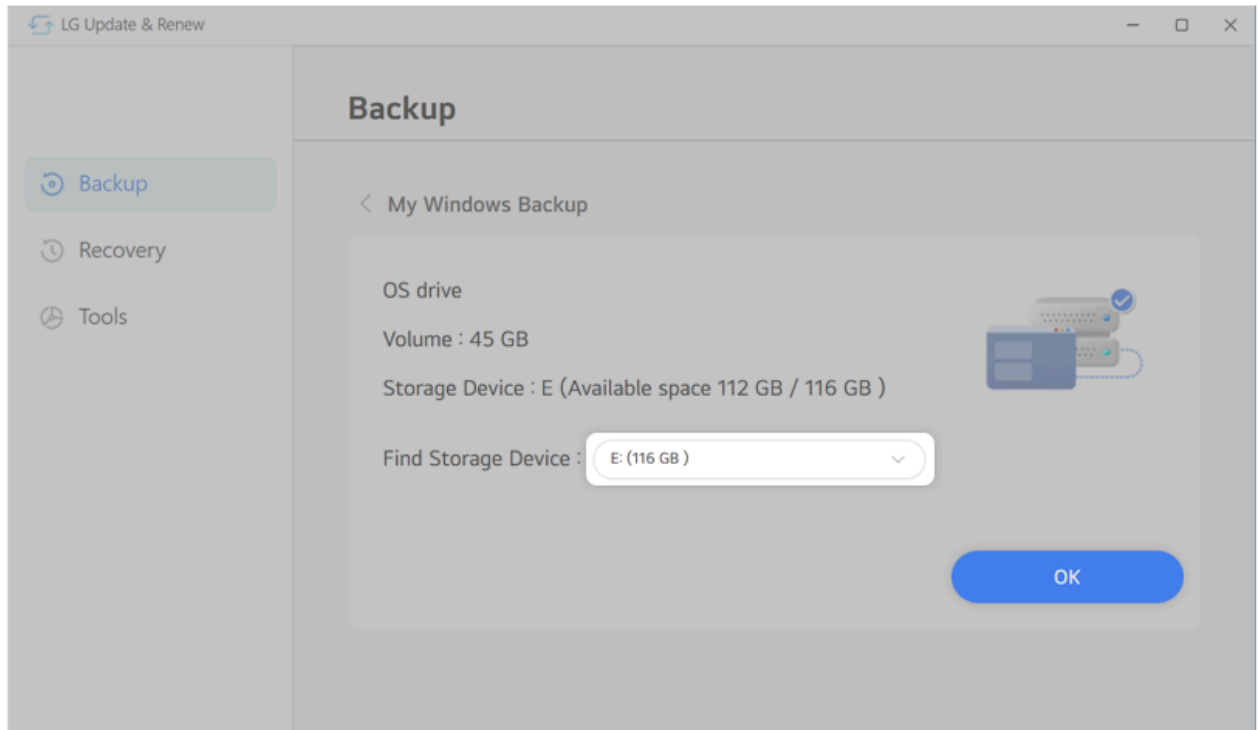
You can perform backup only on an external disk (USB memory, HDD, etc.).

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 & Renew].
3. Check [Agree] in [Backup] > [My Windows Backup] and select [Next] to reboot your PC.
4. When the [LG Update & Renew] 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.

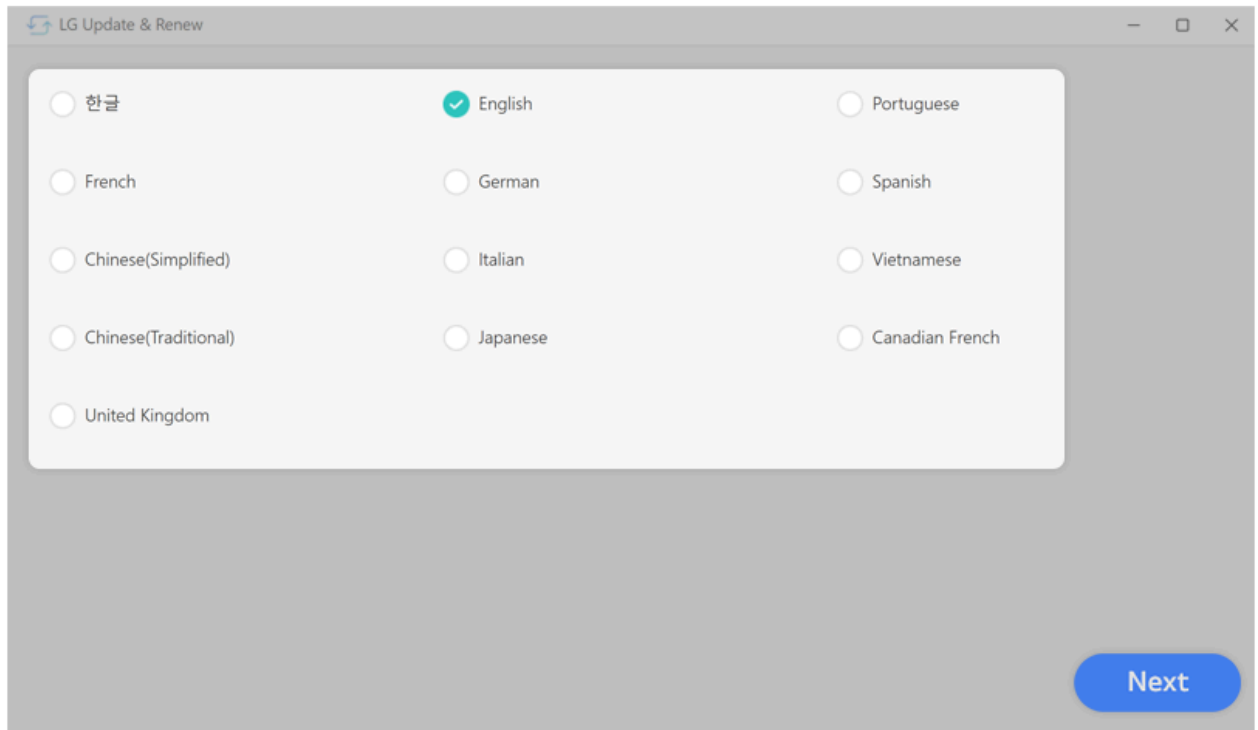
My Windows Recovery



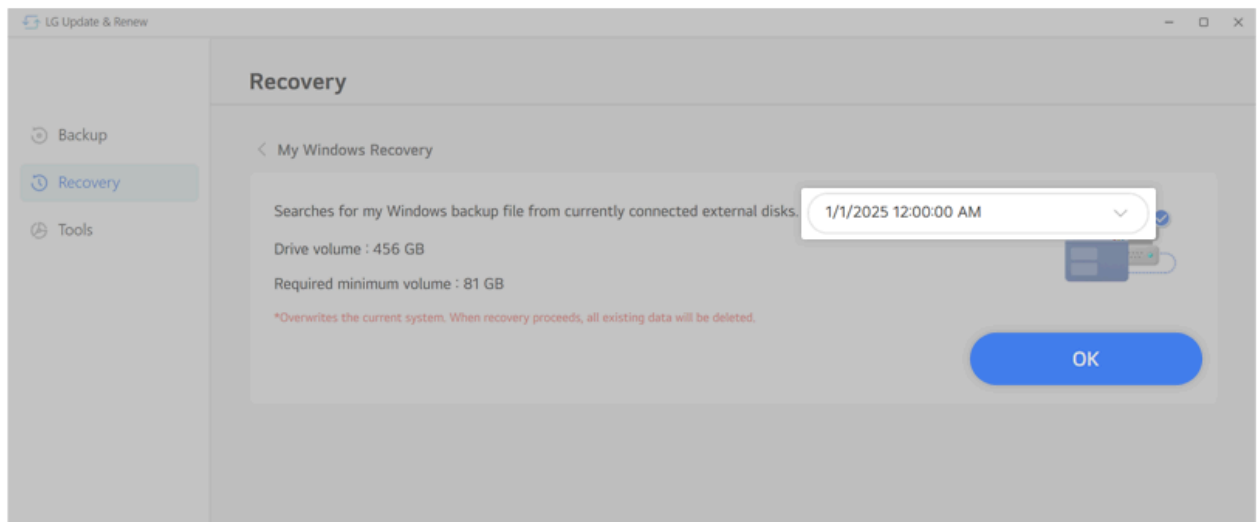
Caution:

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 & Renew].
3. Check [Agree] in [Recovery] > [My Windows Recovery] and select [Next] to reboot your PC.
4. When the [LG Update & Renew] 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 only applies to models that support the 'Backup/Recovery' menu of LG Update & Renew.



Caution:

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

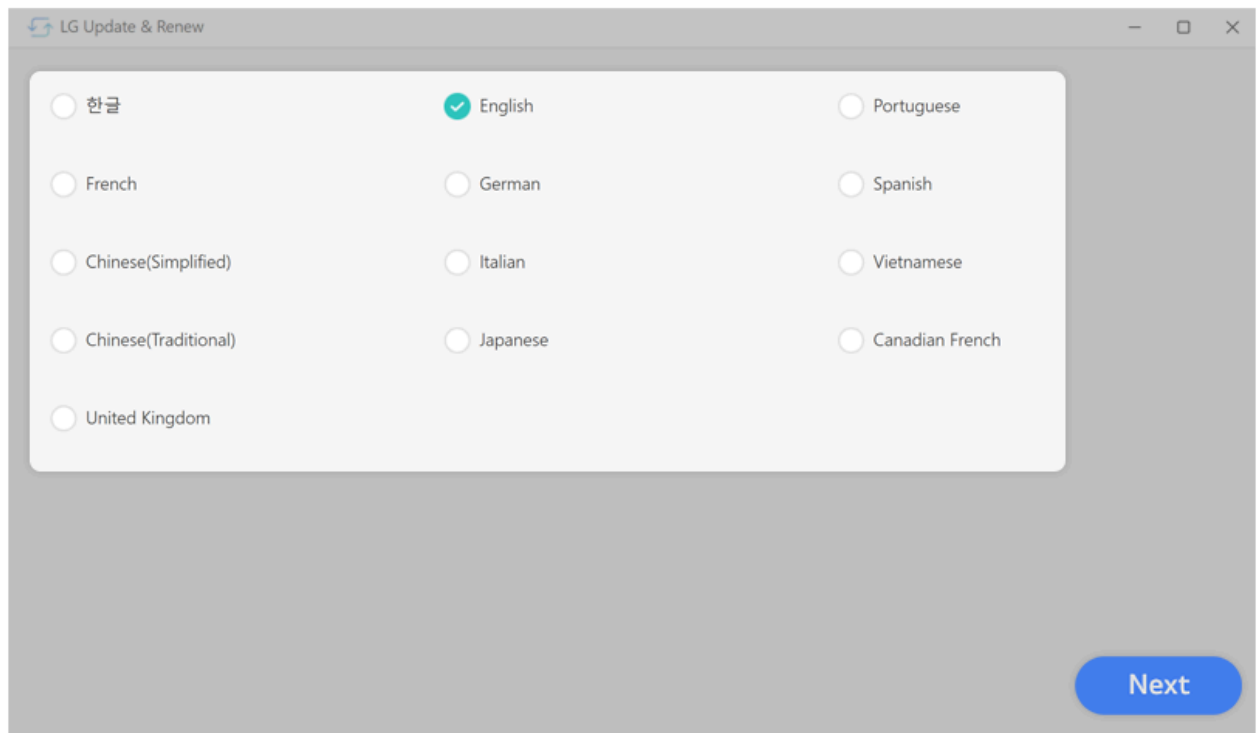


Tip:

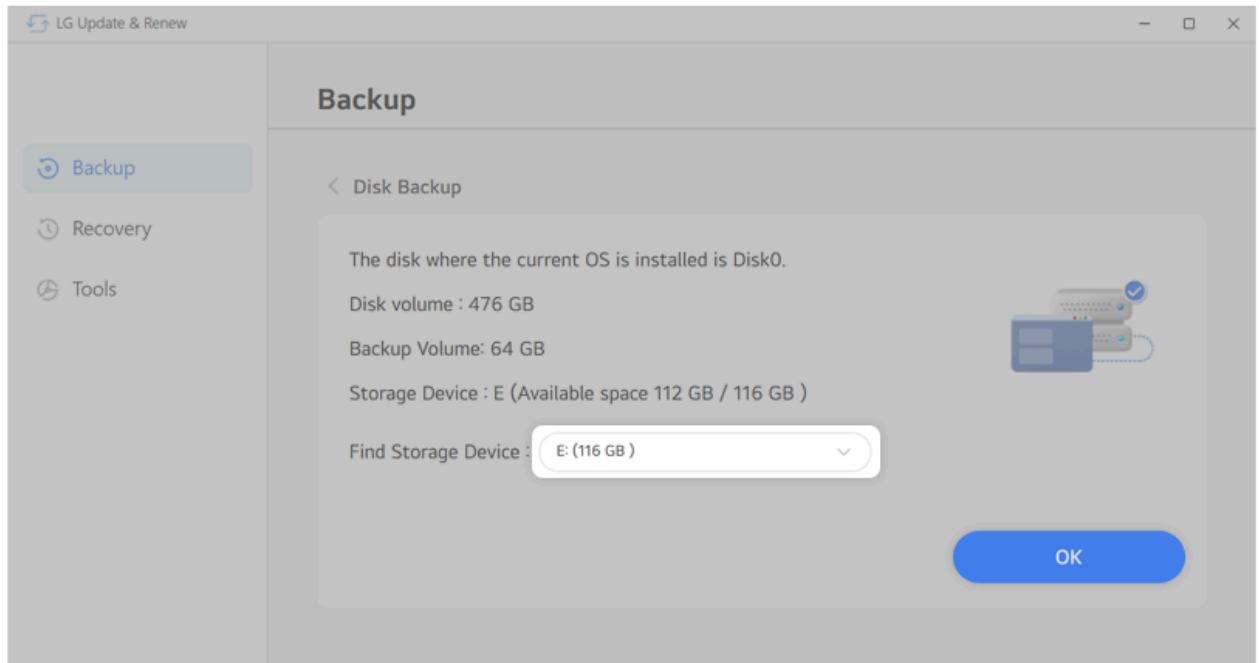
You can perform backup only on an external disk (USB memory, HDD, etc.).

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 & Renew].
3. Check [Agree] in [Backup] > [Disk Backup] and select [Next] to reboot your PC.
4. When the [LG Update & Renew] 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.

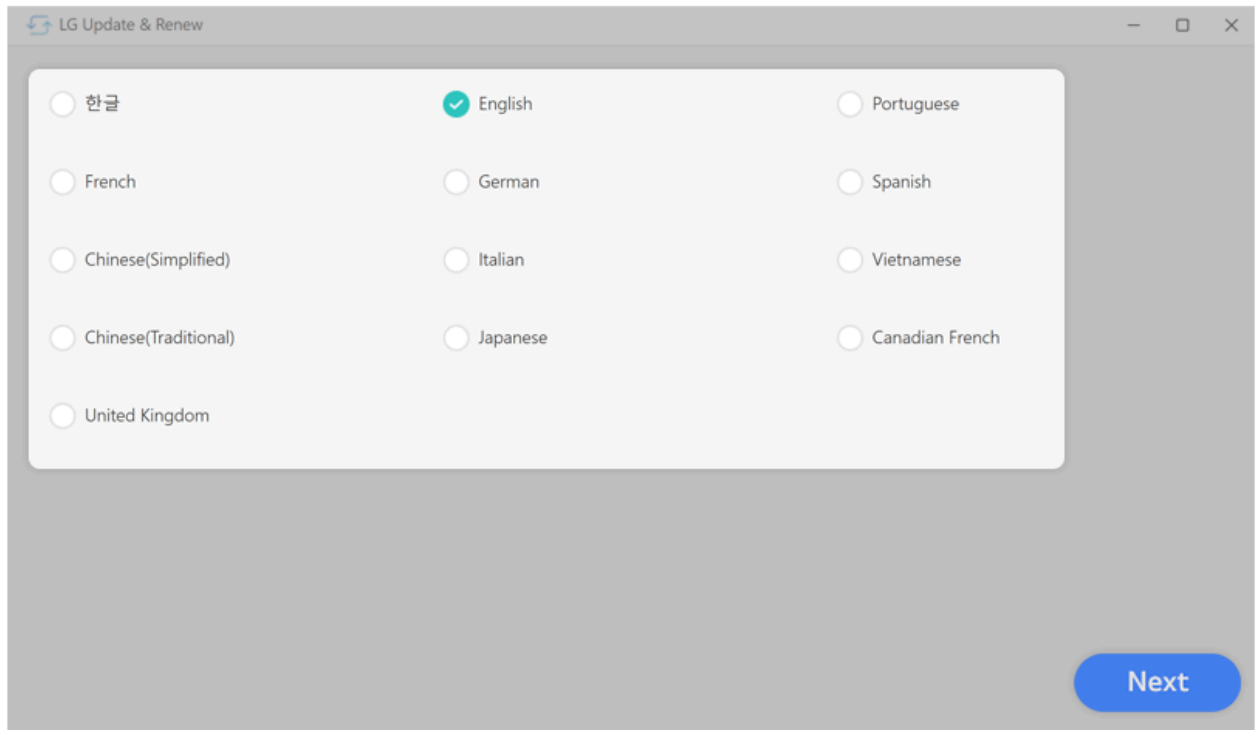
Disk Recovery



Caution:

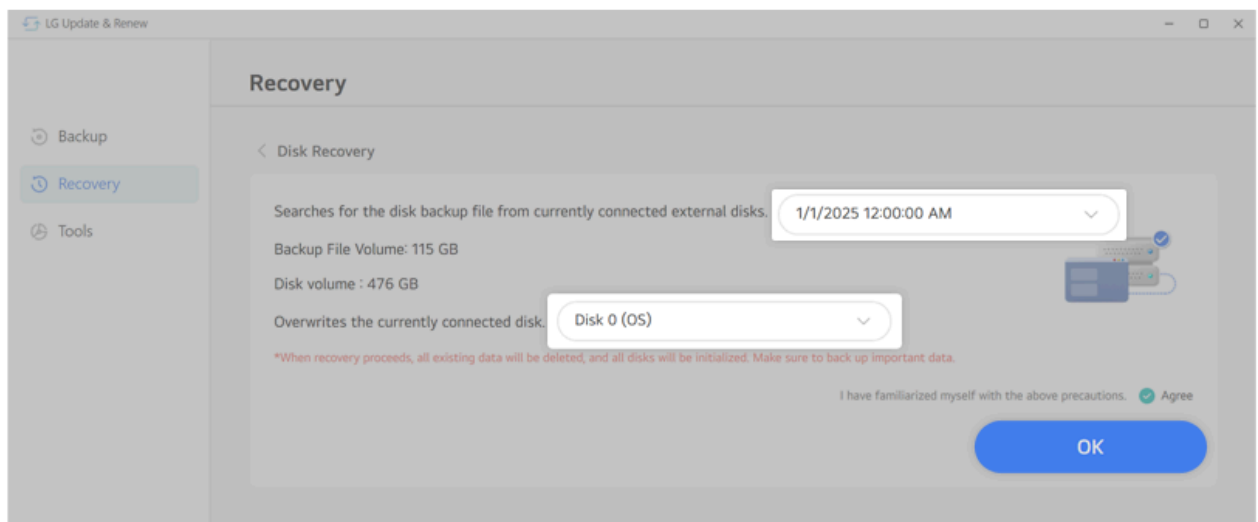
All user data on the disk to be recovered will be deleted, so you must back up all important data in advance. Recovering a disk other than the one where Windows is installed will result in the deletion of user data on all disks.

1. Connect the external disk where the backup file is saved to the PC.
2. Select the Start button [Windows logo] > [All apps] and run [LG Update & Renew].
3. Check [Agree] in [Recovery] > [Disk Recovery] and select [Next] to reboot your PC.
4. When the [LG Update & Renew] 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 only applies to models that support the 'Backup/Recovery' menu of LG Update & Renew.



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 adapter must be connected to the PC.

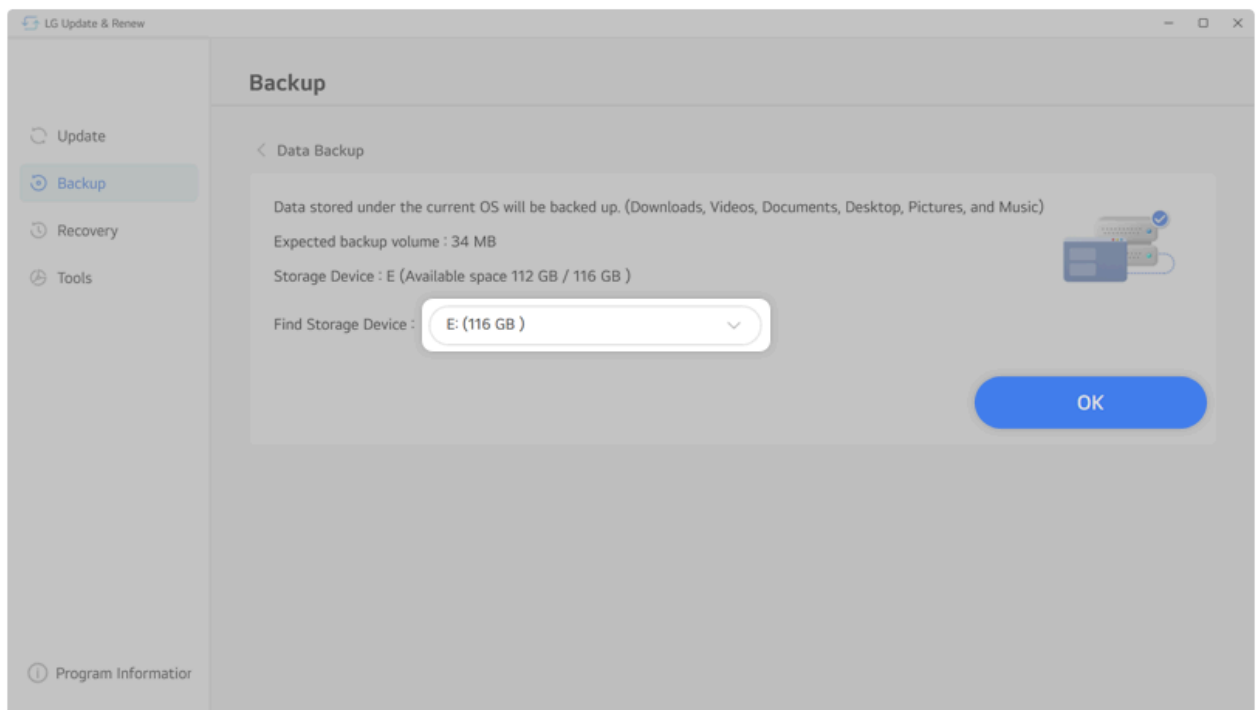


Tip:

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

Data Backup

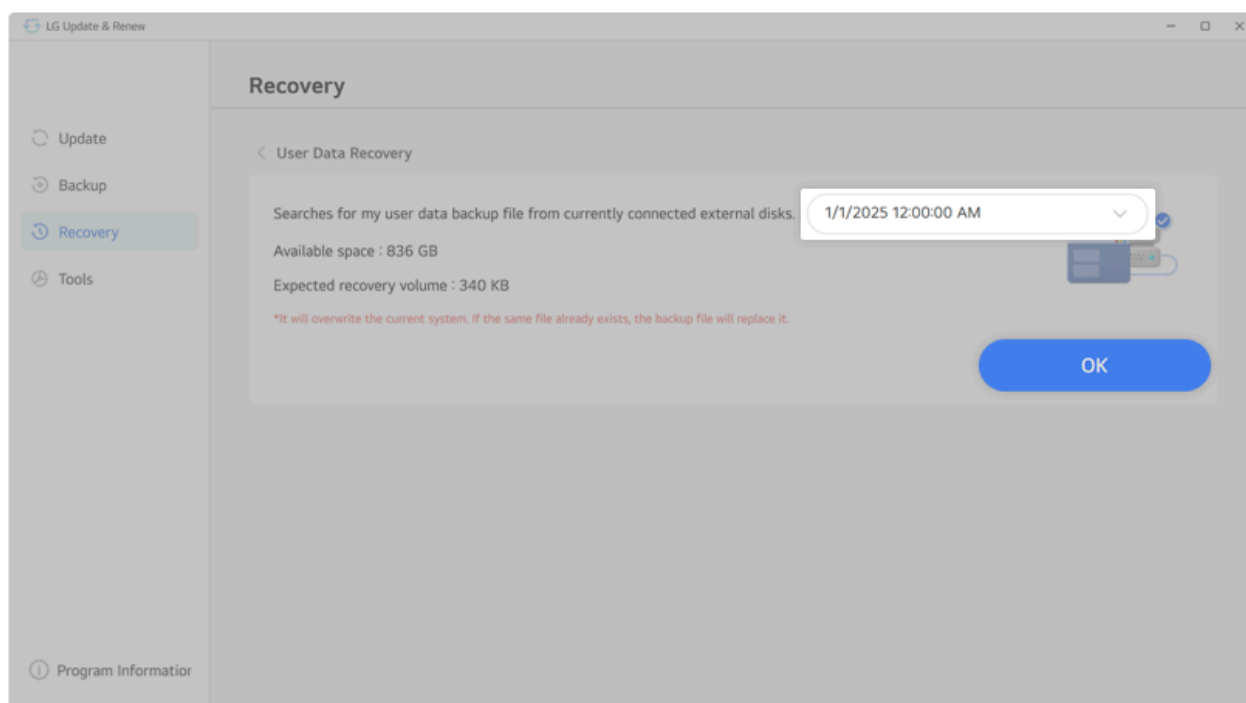
1. Connect the external disk where the backup file will be saved to the PC.
2. Select the Start button [] > [All apps] and run [LG Update & Renew].
3. Select [Backup] > [Data Backup].
4. Select the external disk and click [OK].



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 & Renew].
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 only applies to models that support the 'Backup/Recovery' menu of LG Update & Renew.

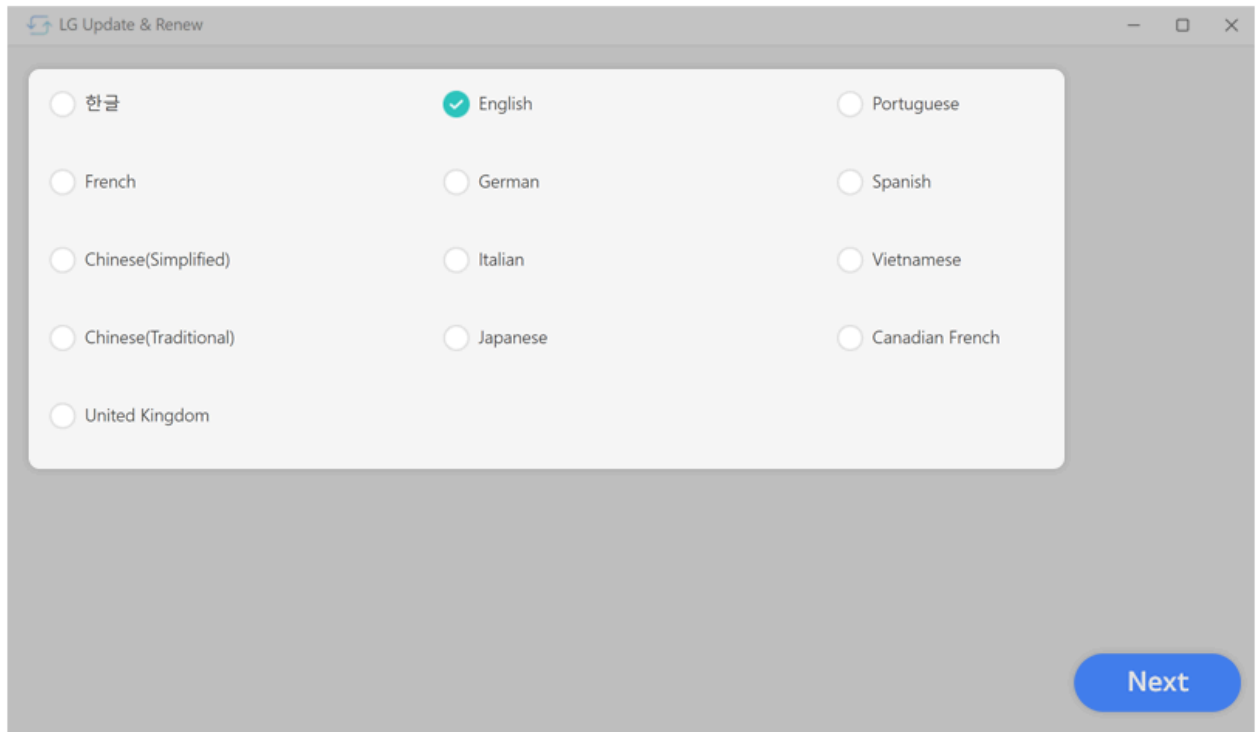


Caution:

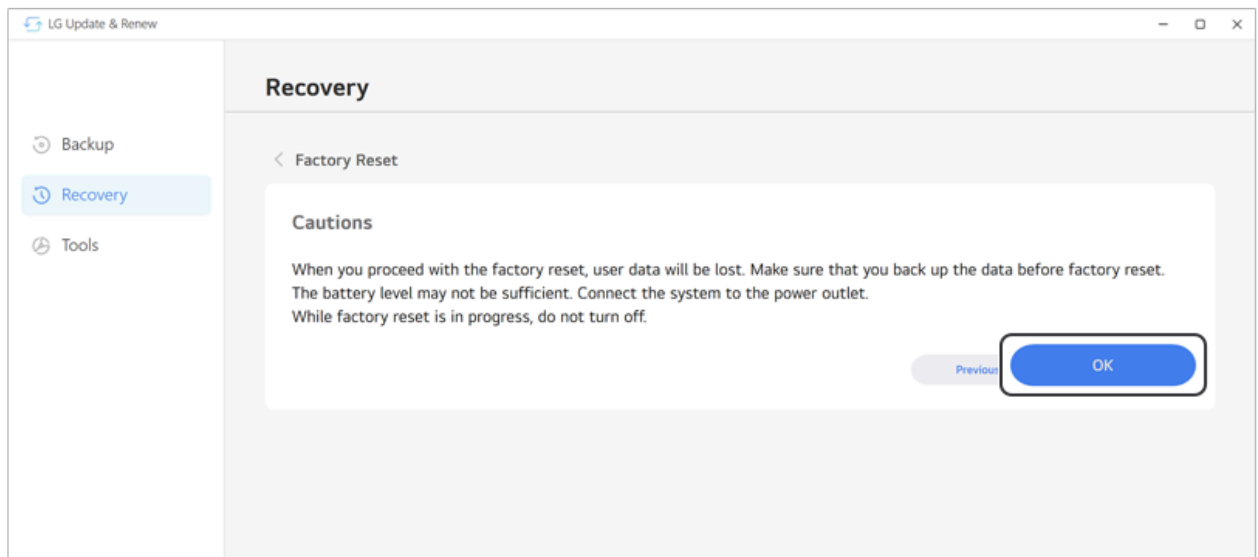
All data is lost during the initialization so you must backup all critical data in advance.

For factory reset, the adapter must be connected to the PC.

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



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



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

Creating Recovery Disk

If the system is not booted, you can boot the system using the recovery disk.

This only applies to models that support the 'Backup/Recovery' menu of LG Update & Renew.



Caution:

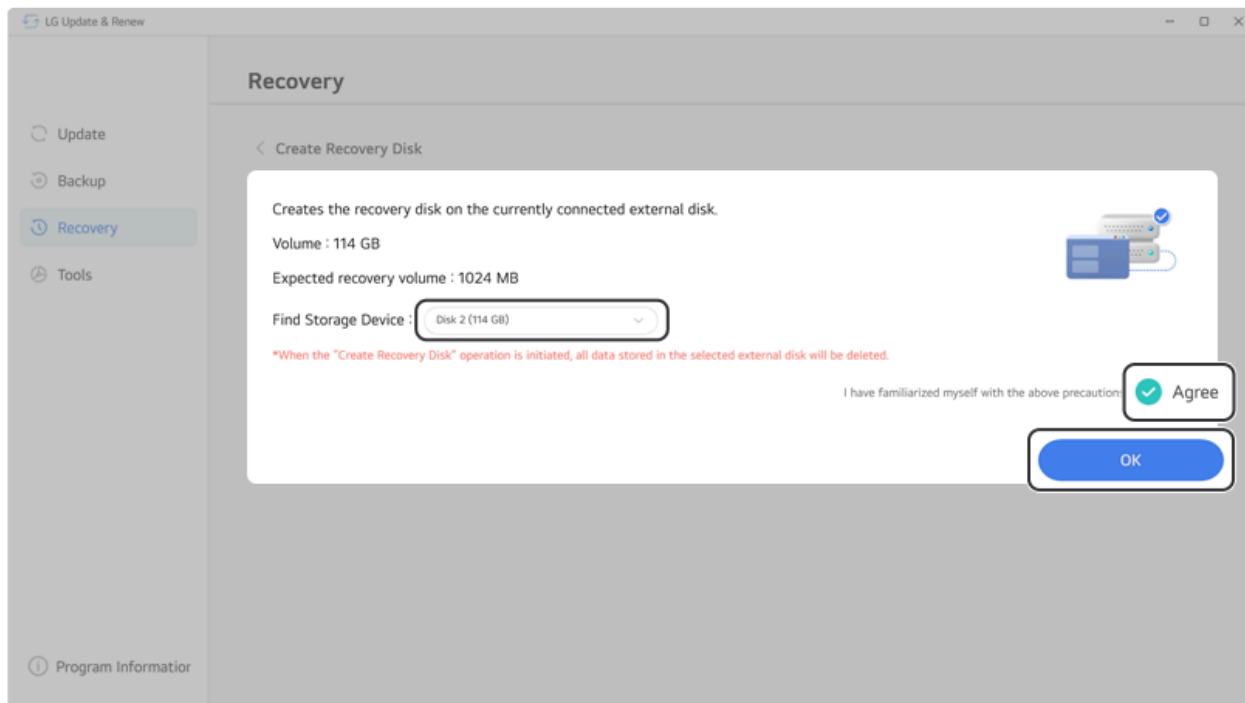
Creating a recovery disk will delete all data on the external disk, so please back up important data in advance.



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 & Renew].
2. Select the external disk in [Recovery] > [Create Recovery Disk].
3. Check [Agree] and select [OK].



4. Once the recovery disk has been created, click [OK]. After Creating Recovery Disk is complete, you can back up Windows and the disk.

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 only applies to models that support the 'Backup/Recovery' menu of LG Update & Renew.



Caution:

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

For recovery, the adapter must be connected.

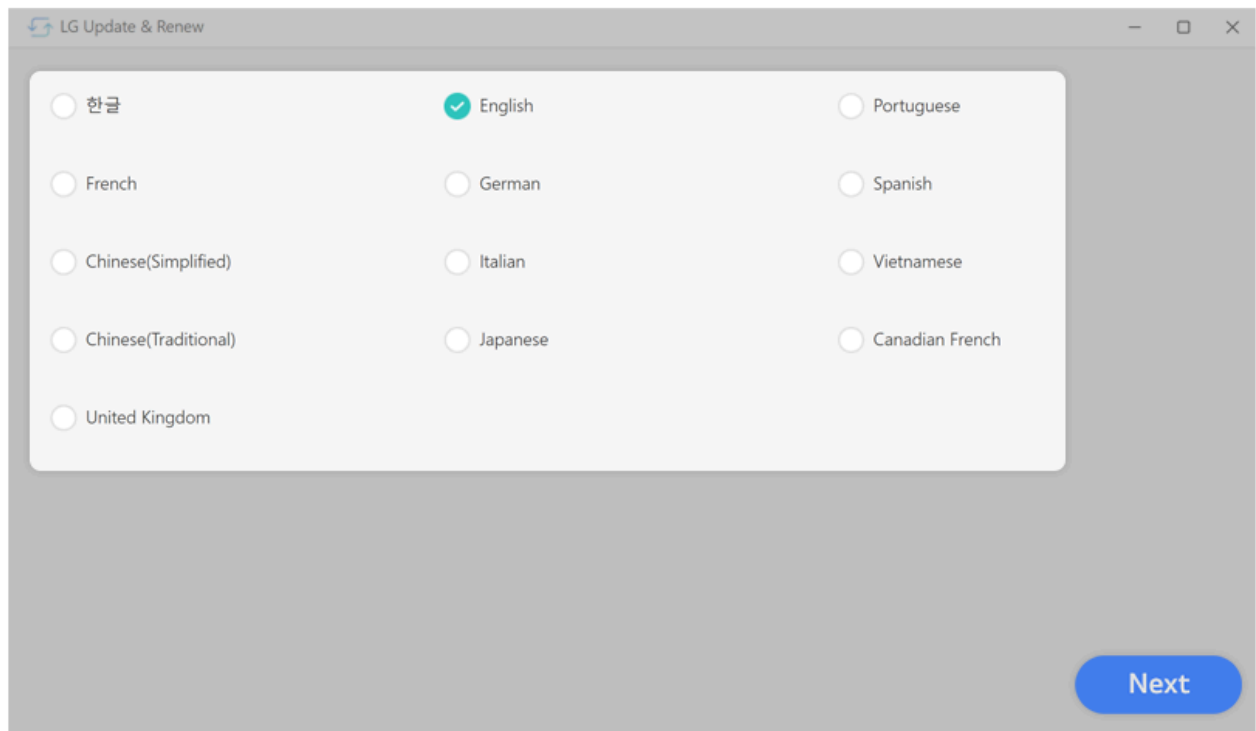
If you have deleted the recovery data in the protected area of the hard disk, the recovery function may not work.



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 Update & Renew] screen appears, check the language you want to use and select [Next].

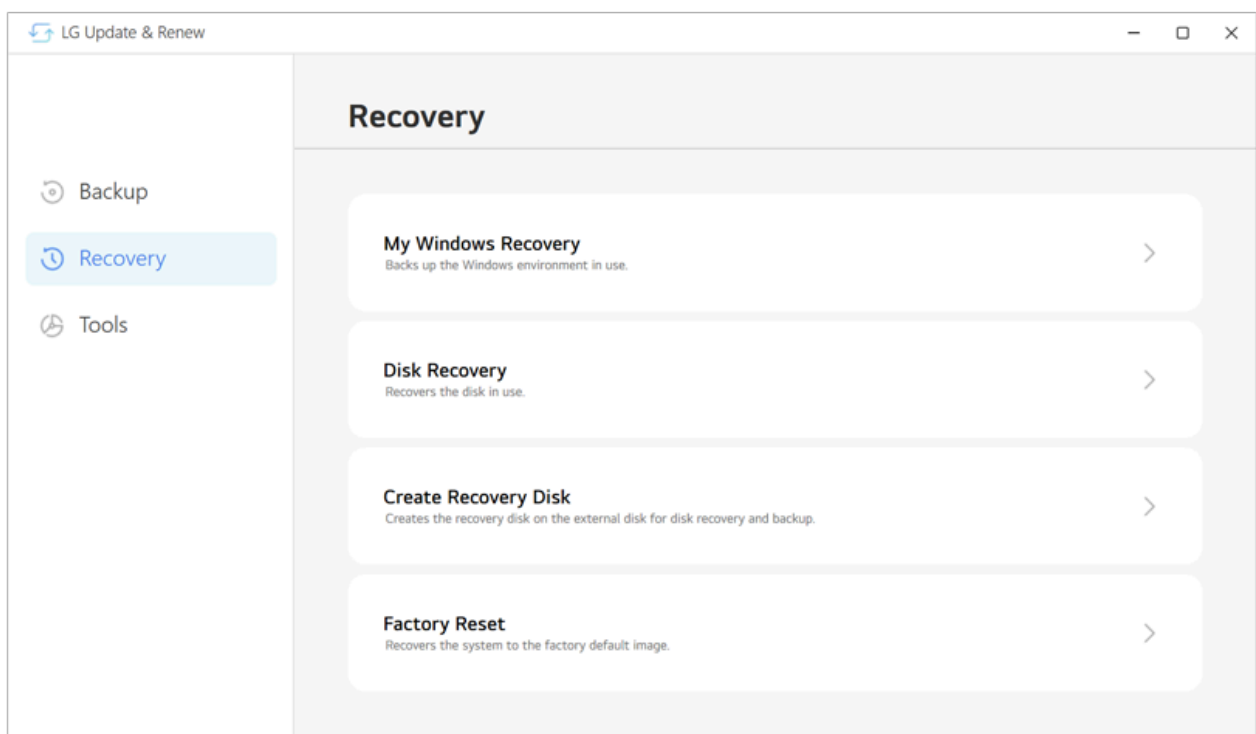


3. In [Recovery], select the desired recovery method to recover the system.



Tip:

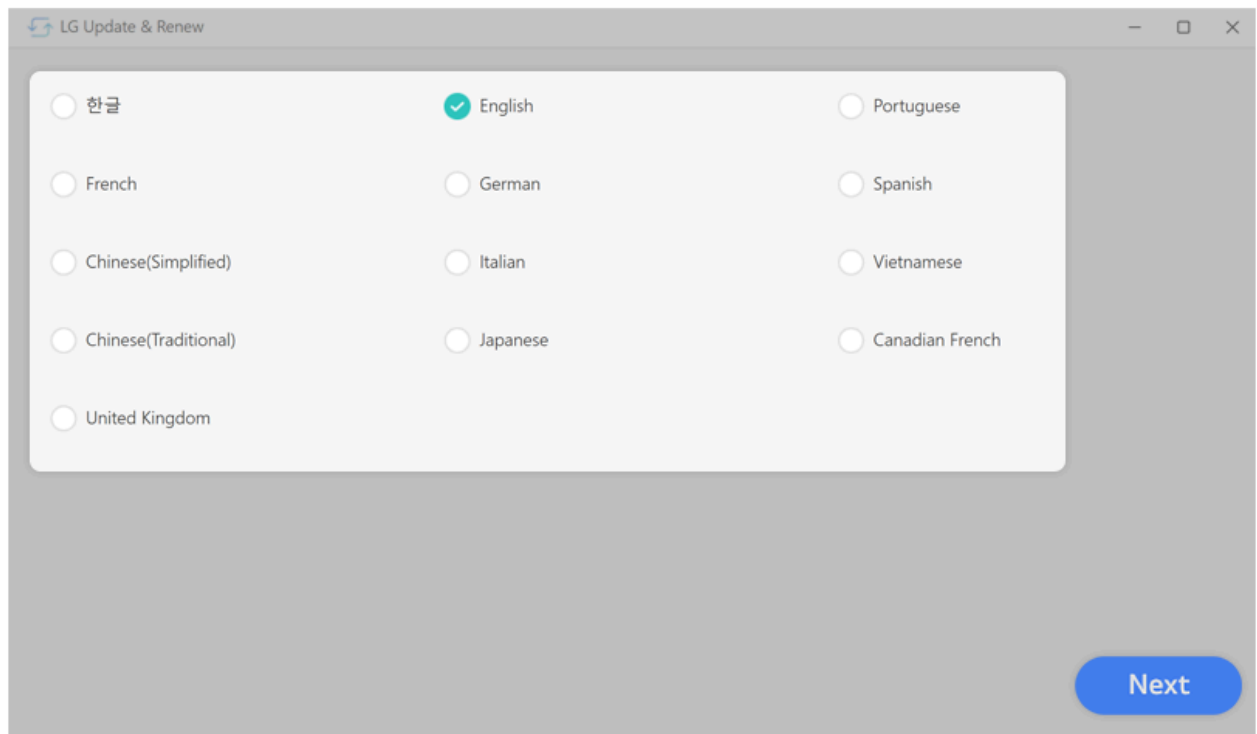
[My Windows Recovery] or [Disk Recovery] can be performed only when you have the backup data. If you have no backup data, you can recover it through [Factory Reset].



Using Recovery Disk

If you can't execute LG Update & Renew, 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 Update & Renew] screen appears, check the language you want to use and select [Next].

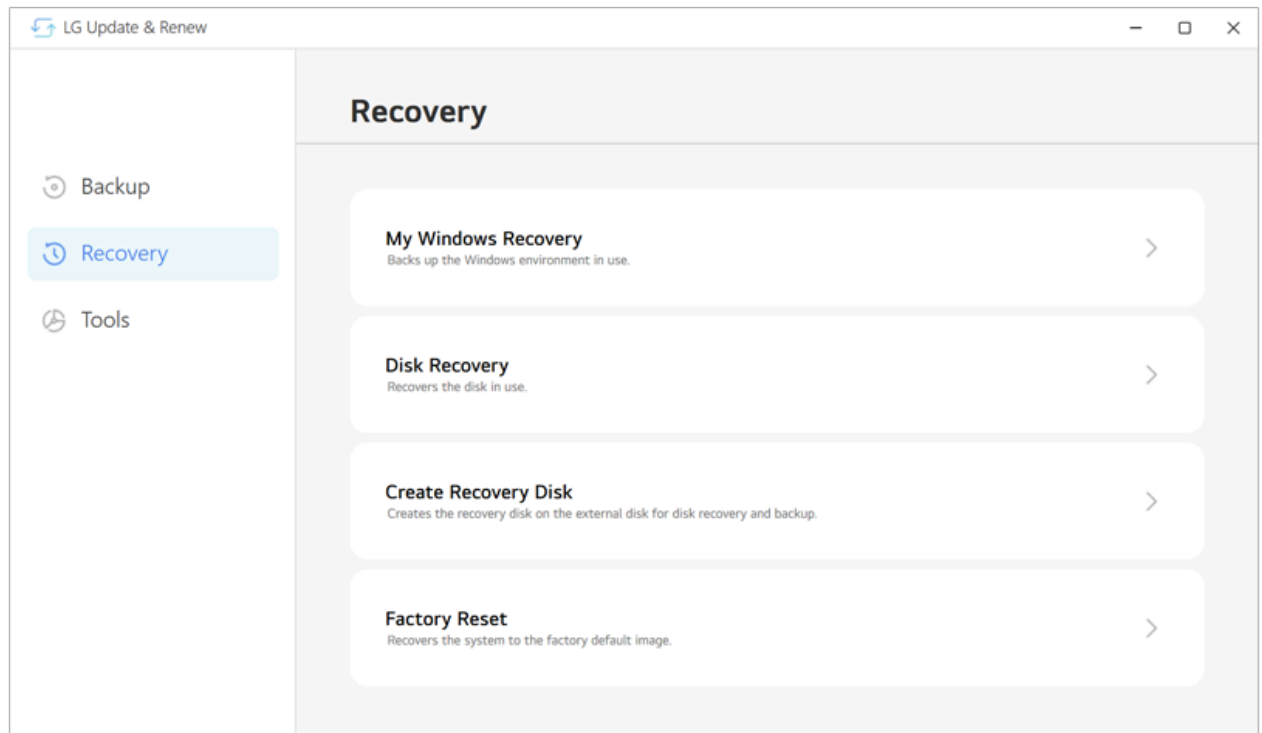


5. In [Recovery], select the desired recovery method to recover the system.



Tip:

[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].

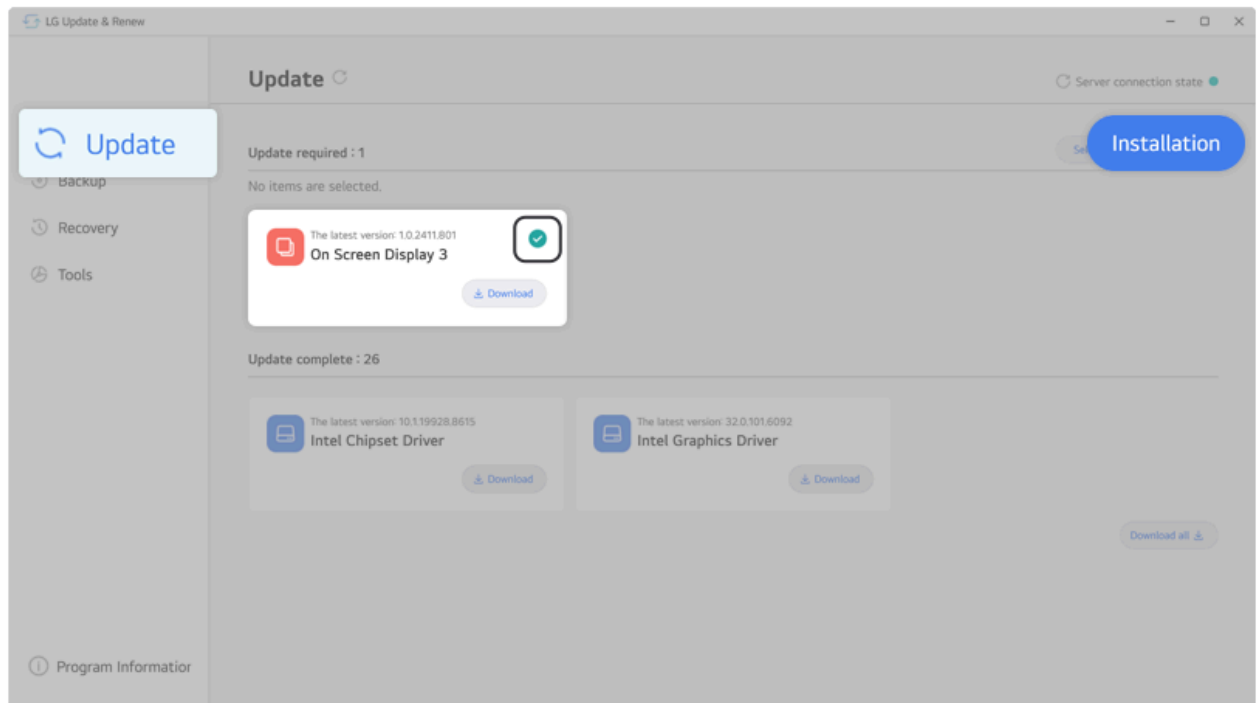


Setup and Upgrade

Installing the Driver

You can use LG Update & Renew to install the deleted drivers or the latest drivers easily and quickly.

1. Select the Start button [] > [All apps] and run [LG Update & Renew].
2. Install a driver in the [Update] menu.



Tip:

Use LG Update & Renew to keep your system current and optimized.

The figures herein are subject to change without prior notice.

How to Download LG Update & Renew

You can download and install LG Update & Renew from LG Electronics website (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.

Setting the 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 the 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 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.

Set Supervisor Password	
Enter New Password	[REDACTED]
Confirm New Password	[REDACTED]

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

Notice
Changes have been saved.
[OK]

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

Setup Confirmation
Save configuration changes and exit now?
[Yes] [No]

6. The PC will restart.

Setting the User Password

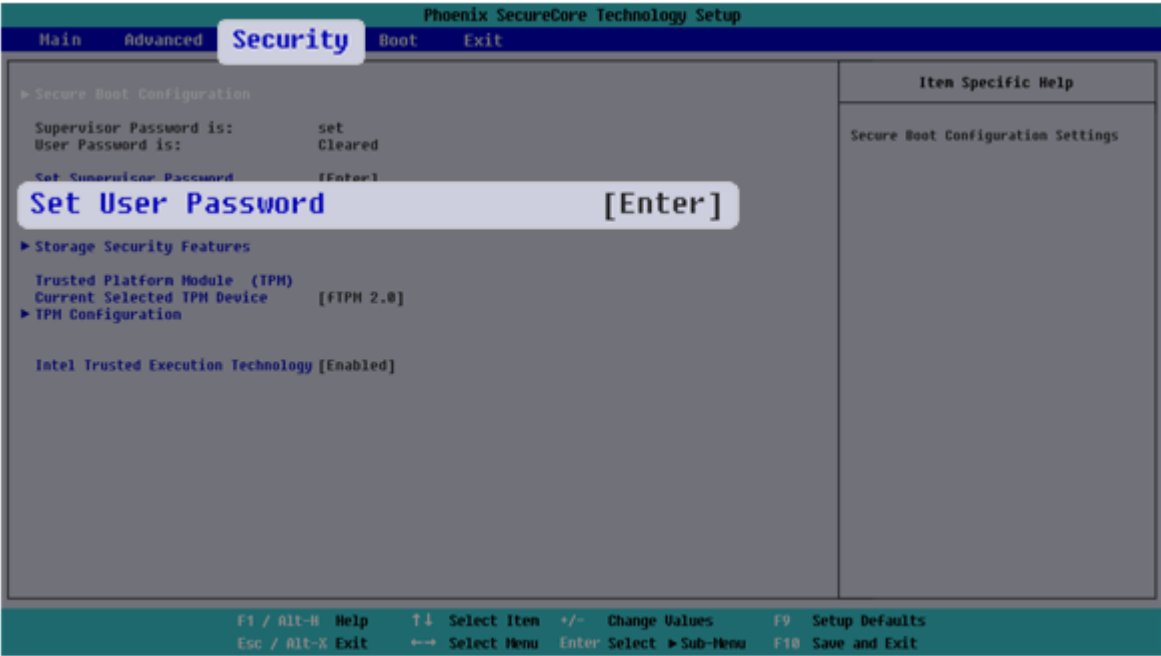
The User Password is lower than the Supervisor Password, so it can be entered only after setting the Supervisor Password.



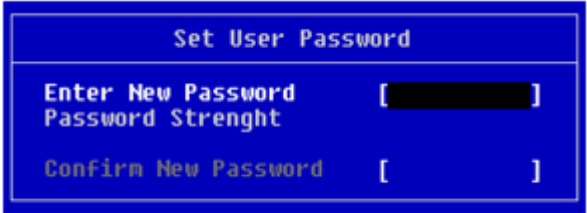
Tip:

The User Password allows only limited access to the items that can be set compared to the Supervisor Password when using the System Setup.

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



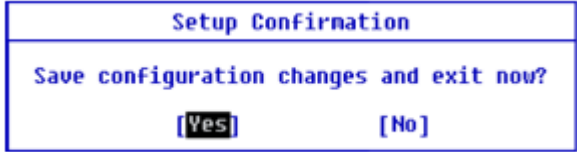
2. When the Password Setting screen appears, enter a password and press the [Enter] key.
- The password should not exceed 12 characters and should consist of English letters (A - Z), numbers (0 - 9), and special characters or a combination of them.



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



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

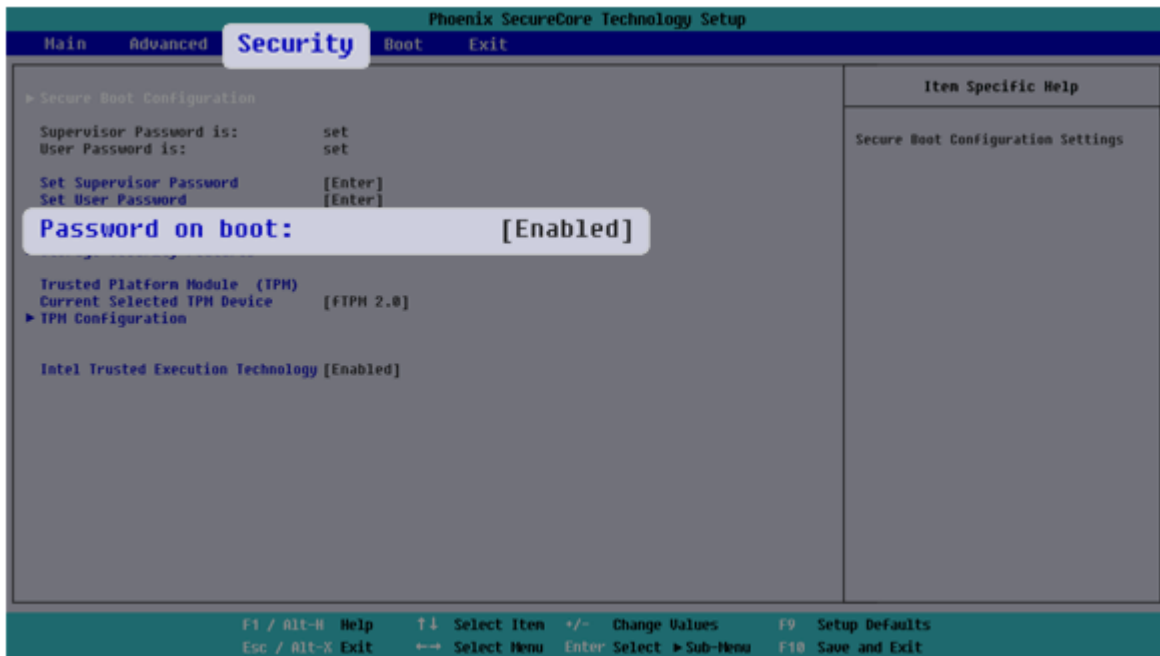


5. The PC will restart.

Password on boot

[Password on boot] protects your system by requiring during booting to enter the Supervisor Password or User Password. To set [Password on boot], you first need to set the Supervisor Password or set both Supervisor and User Passwords.

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



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

Setting the Storage Device Password

The Storage Device Password is to set a password in the storage device separate from the Supervisor Password.



Tip:

- Some storage devices may not support password setting.
- For the models equipped with two storage 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:

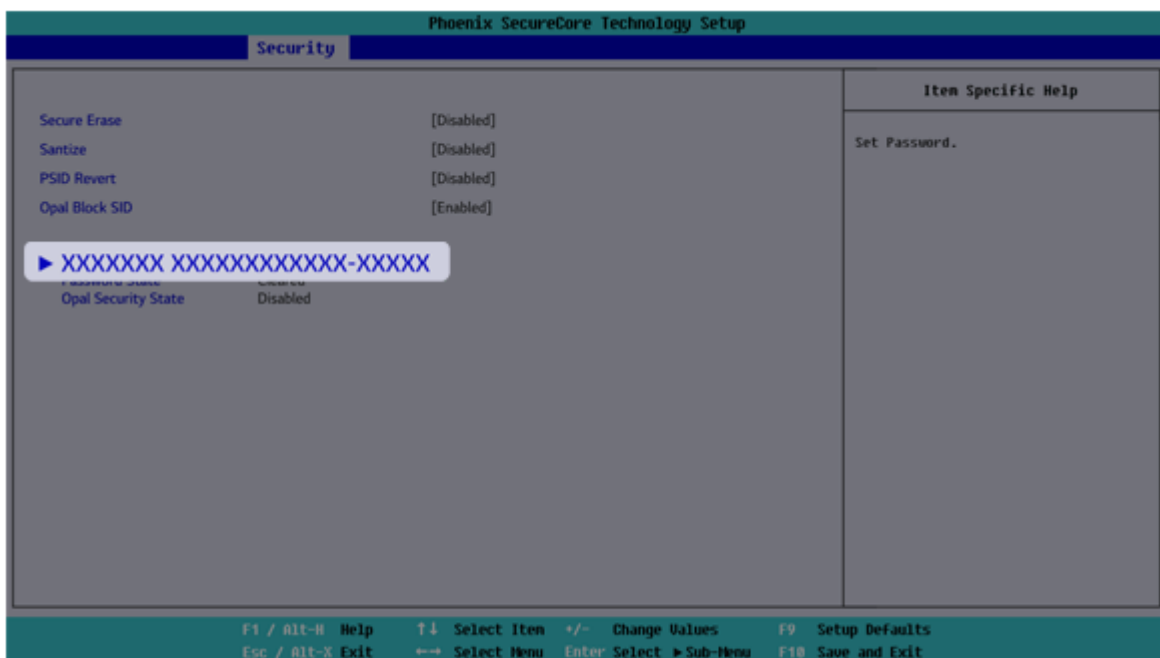
If you lose the password for a storage device, you cannot recover the storage device.

- Please note that replacement of a storage device due to the loss of the password of the storage device is excluded from the product warranty.

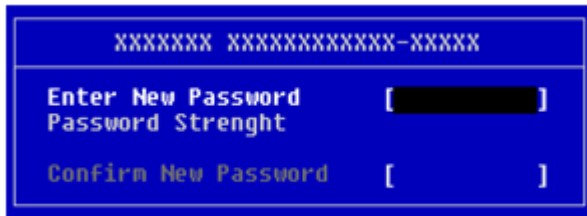
1. Execute the System Setup screen, go to [Security] > [Storage Security Features] using the arrow keys and press the [Enter] key.



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



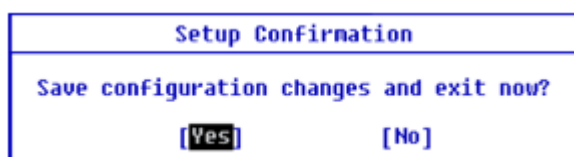
3. Press the [Enter] key in [Set Password].
4. When the Password Setting screen appears, enter a password and press the [Enter] key.
The password should not exceed 12 characters and should consist of English letters (A - Z), numbers (0 - 9), and special characters or a combination of them.



- 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.

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

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



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

Deleting the Boot Password

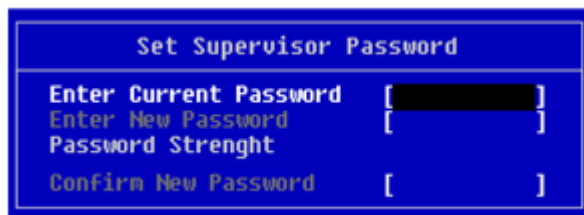
- Execute the System Setup screen, enter the password, and press the [Enter] key.



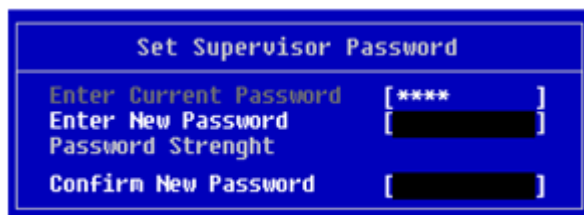
- When the System Setup screen appears, go to [Security] > [Set Supervisor Password] using the arrow keys and press the [Enter] key.



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



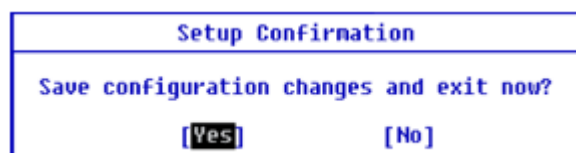
- Press the [Enter] key in [Enter New Password] and again in [Confirm New Password].



- 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.

Deleting the Boot Password (Storage Device)

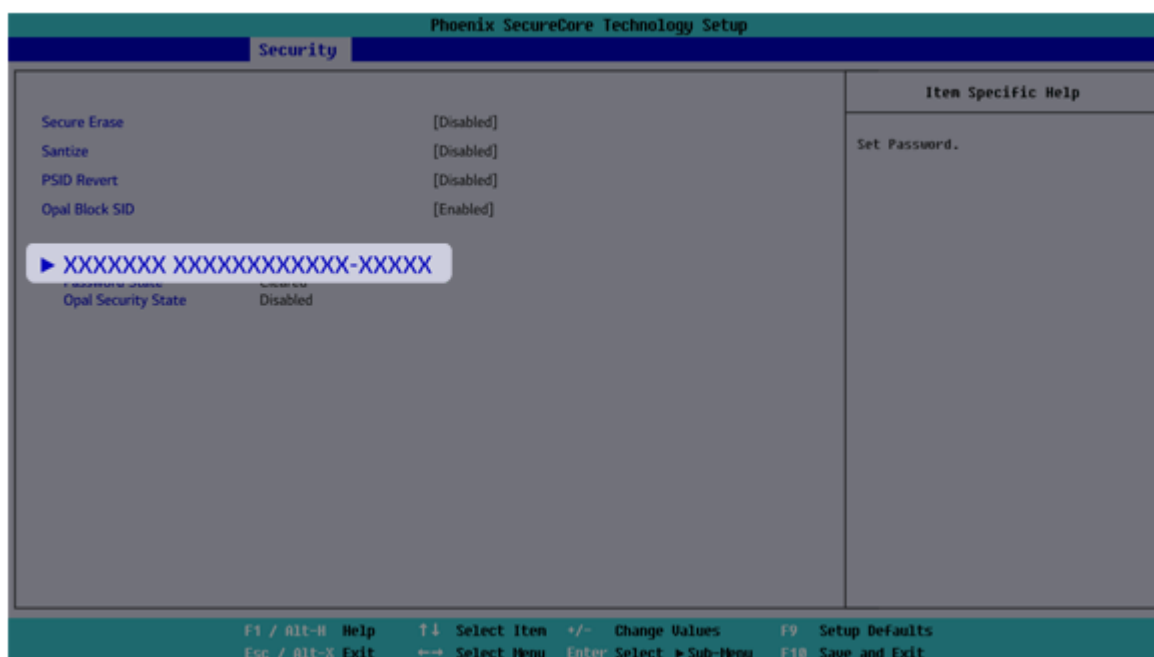
1. Execute the System Setup screen, enter the password, and press the [Enter] key.



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.

XXXXXXXX XXXXXXXXXXXXXXX-XXXXXX	
Enter Current Password	[]
Enter New Password	[]
Password Strenght	
Confirm New Password	[]

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

XXXXXXXX XXXXXXXXXXXXXXX-XXXXXX	
Enter Current Password	[****]
Enter New Password	[]
Password Strenght	
Confirm New Password	[]

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

Notice
Please power off and restart!
[OK]

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

Setup Confirmation
Save configuration changes and exit now?
[Yes] [No]

9. The PC will restart.

Initializing System Setup

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

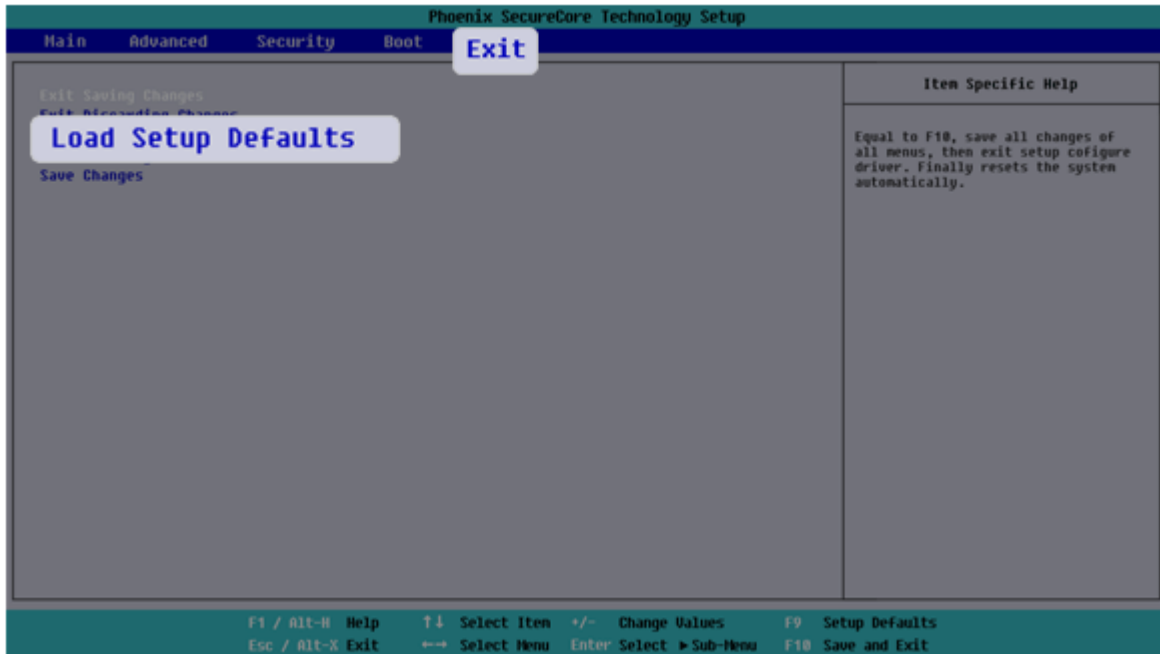
The model in the example can differ from actual models and is subject to change for performance improvements, without prior notice.

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



Tip:

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



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

Setup Confirmation	
Load default configuration now?	
[Yes]	[No]

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

Setup Confirmation	
Save configuration changes and exit now?	
[Yes]	[No]

- 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:

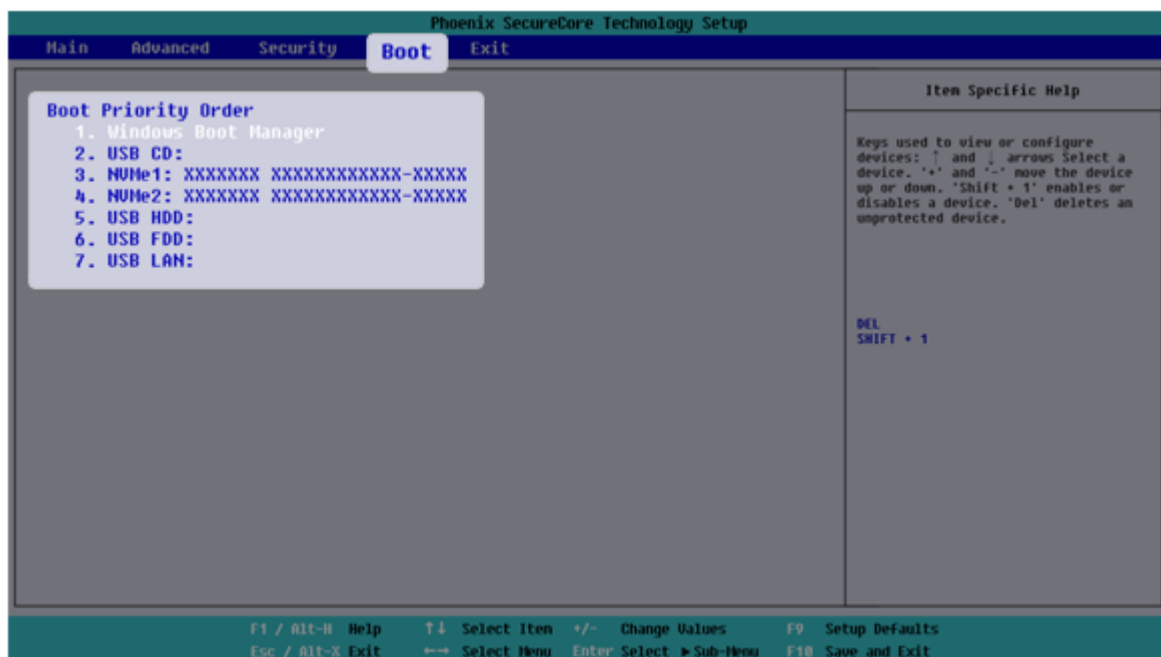
To use the system setup (F2), booting device selection (F10), or recovery (F11), you need to restart the system (click [Restart] in the system power menu) and then immediately press the corresponding function key due to the fast booting speed.

Changing the Boot Order

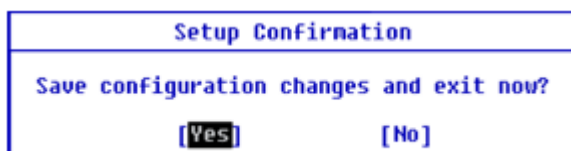
1. Reboot the system and press [F2] multiple times.



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.



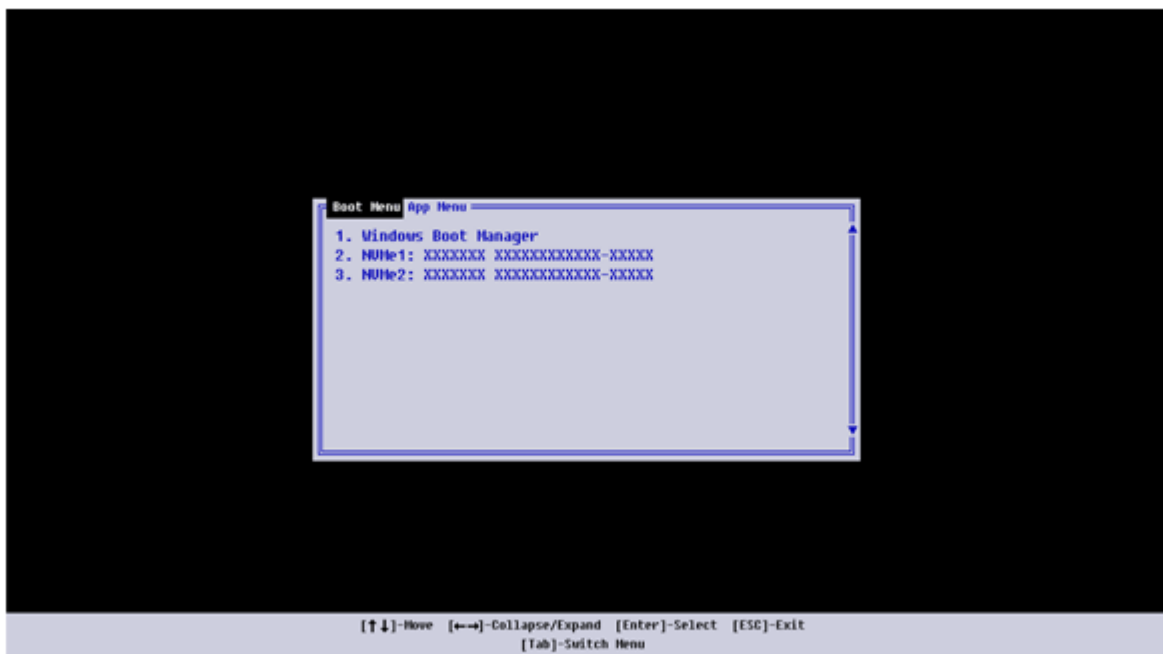
5. The PC will restart.

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.

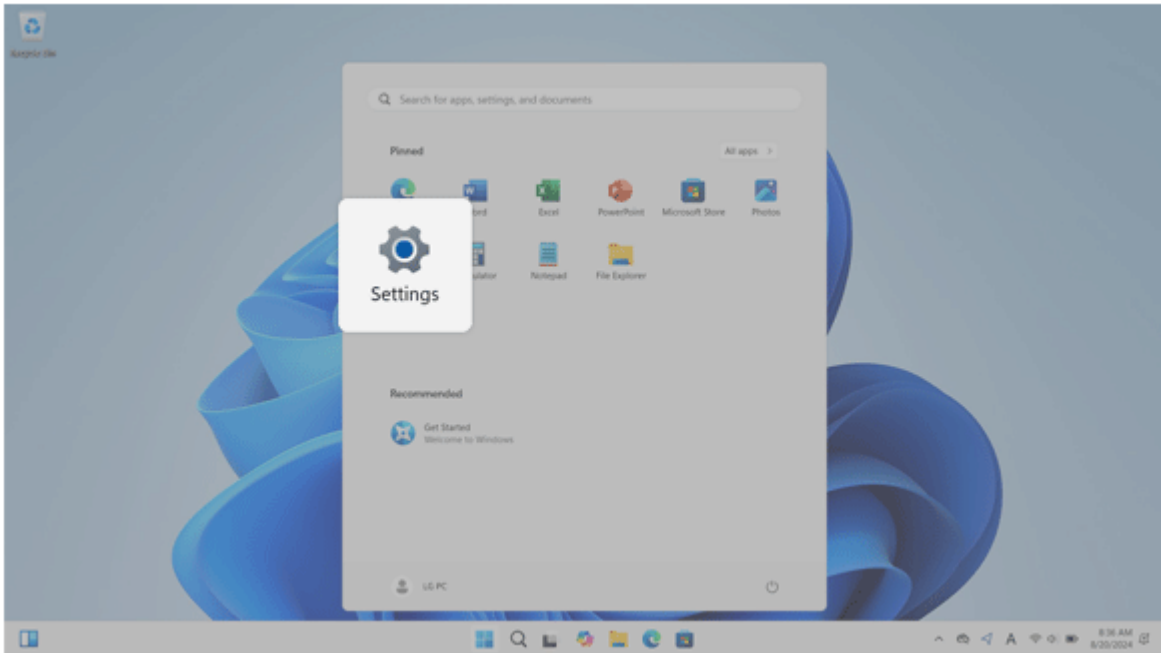
Refer to the following information to change the DPI scaling to suit your needs.

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

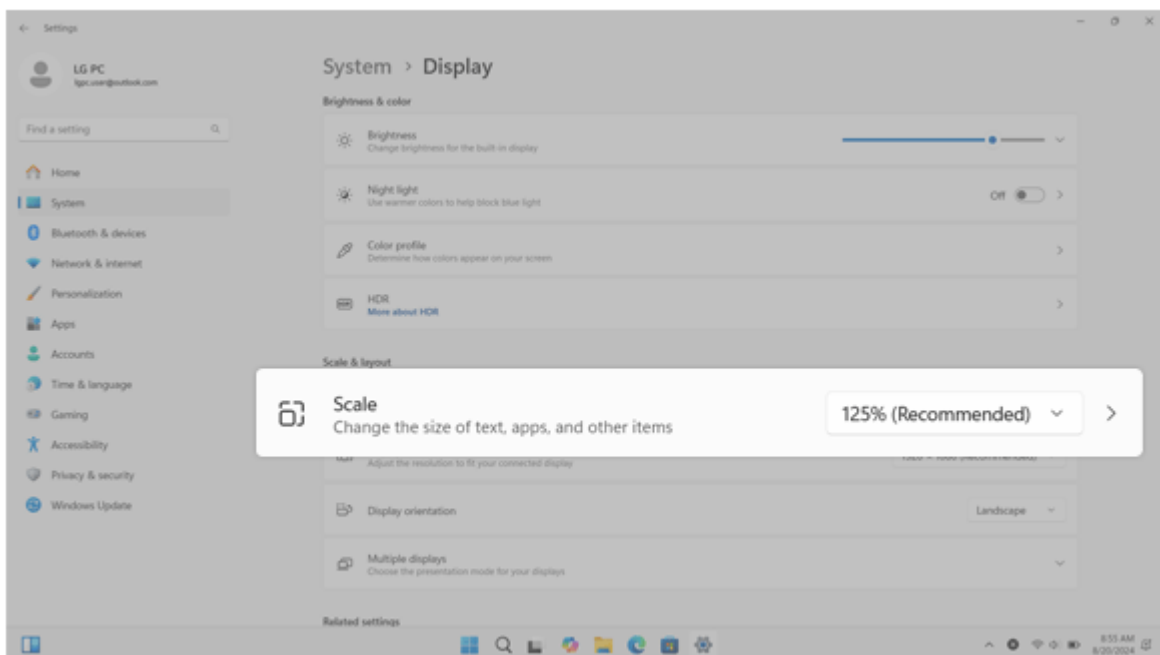


Tip:

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.



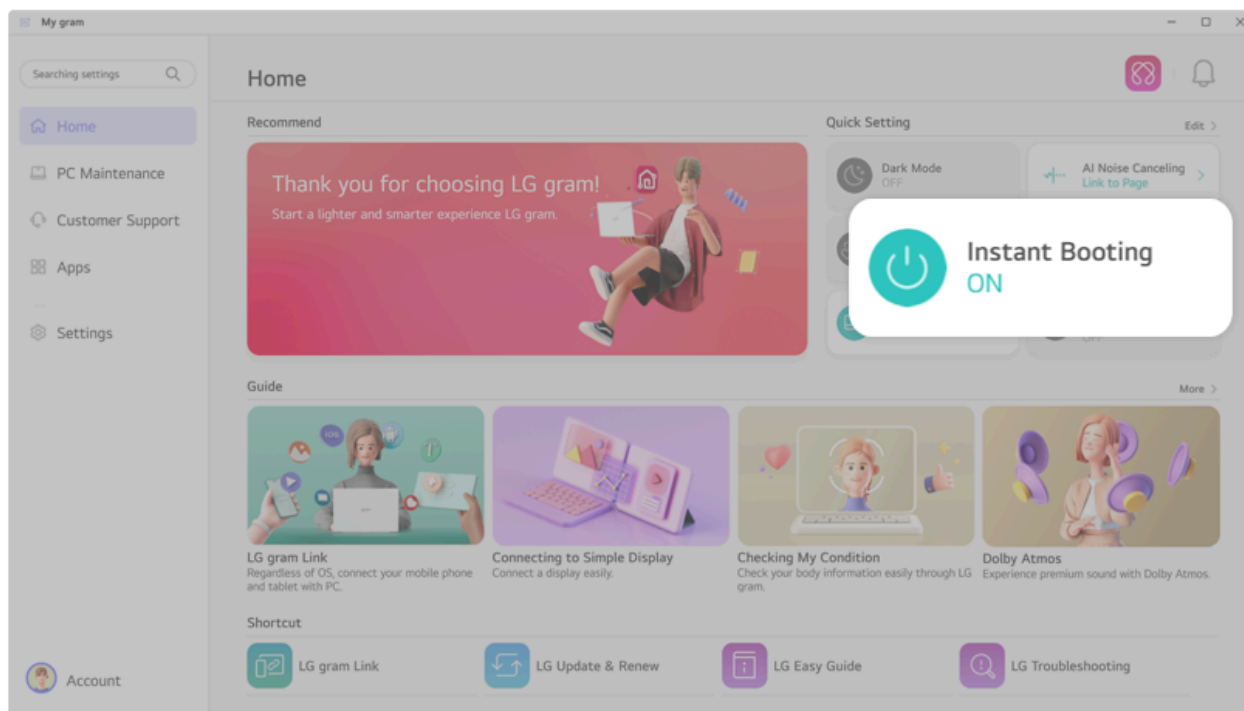
Tip:

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 [My gram].
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:

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.



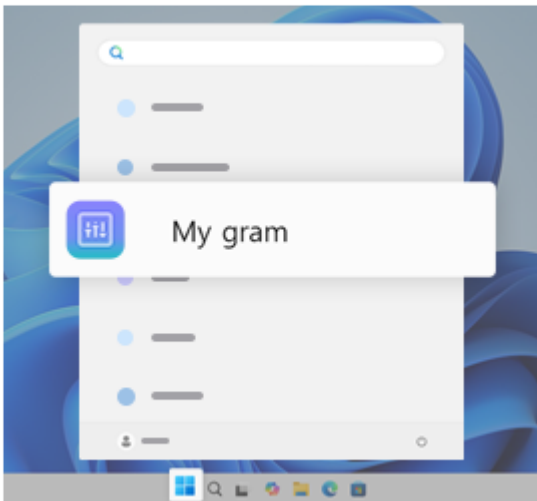
Caution:

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

My gram

My gram suggests an optimal environment customized to a user's PC status, and helps experience various apps provided by LG.

- Select the Start button [] > [All apps] and run [My gram].
 - Press the [Fn] + [F1] keys to start the app easily.



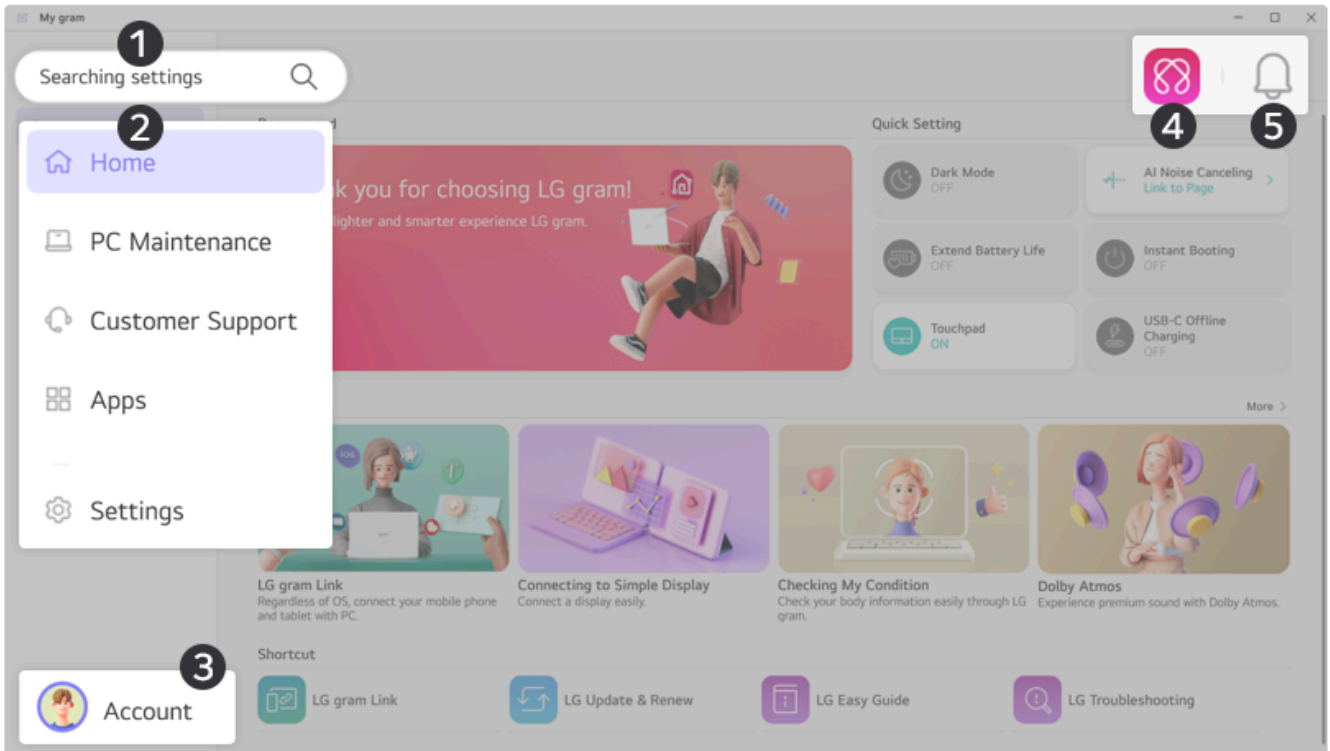
Tip:

The menus and functions displayed in this app may differ depending on the model and app version.

You can re-install the app in LG Update & Renew.

The figures herein are subject to change without prior notice.

Tour



1. Search

You can search and use various settings.

2. Home

The user can receive customized settings depending on your PC status, or set main PC functions easily.

[Learn more > \(on page 175\)](#)

PC Maintenance

The user can easily change and use various PC functions according to his or her needs.

[Learn more > \(on page 175\)](#)

Customer Support

Notifies you of the apps or convenient functions provided by LG.

Apps

You can run the apps provided by LG directly.

Settings

You can check app information or use the lab.

3. Account

You can register your PC on your LG ThinQ account.

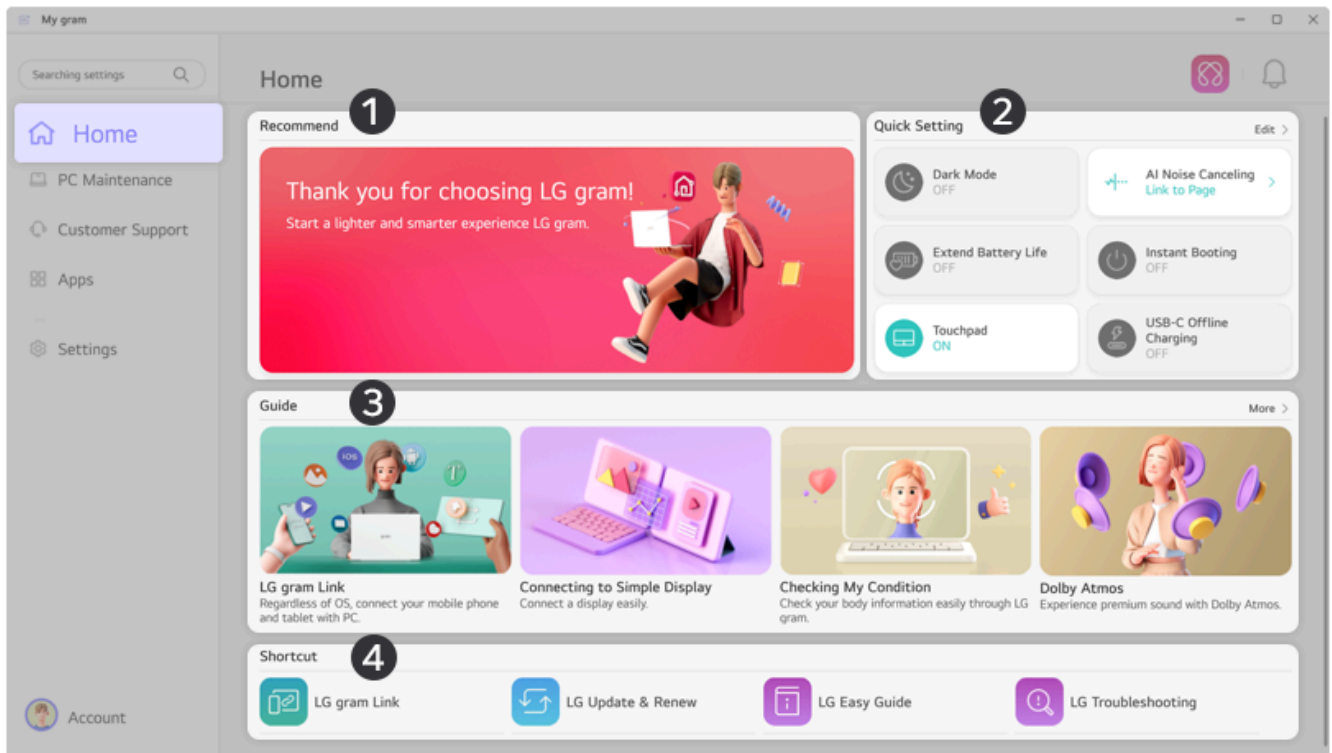
4. gram chat On-Device

You can run the gram chat On-Device app directly.

5. Notification

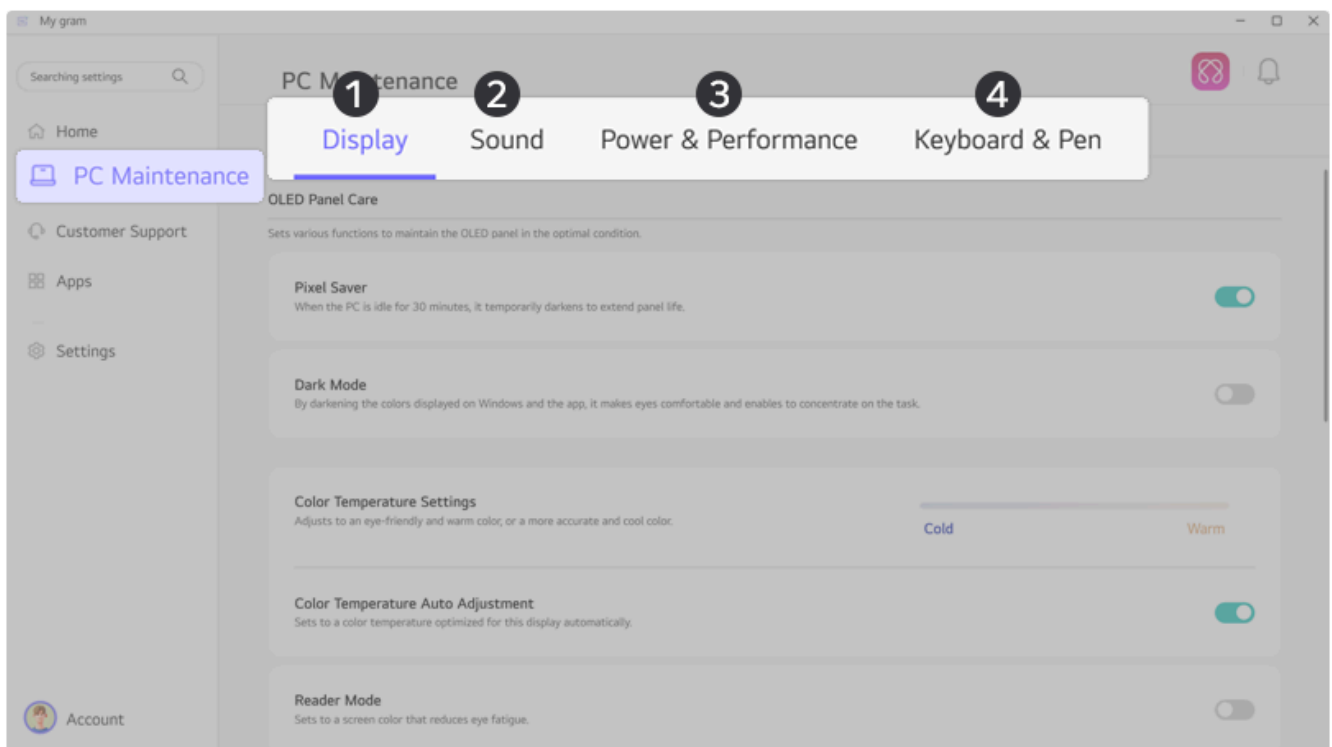
Notifies the user of important information and updates.

Home



1. **Recommend:** Suggests customized settings according to the user's PC status and provides related links.
2. **Quick Setting:** Allows you to set main PC functions easily. Items can be changed and up to 6 items can be added.
3. **Guide:** Notifies you of the apps or convenient functions provided by LG.
4. **Shortcut:** You can run the apps or websites provided by LG directly.

PC Maintenance



1. Display

Function	Description
OLED Panel Care	Allows you to set the function to protect the OLED panel (screen). (The OLED Panel Care function is supported only in models with an OLED display.)
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.
Reader Mode	Allows you to set the Reader Mode to reduce eye fatigue when reading documents. 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 Mode] on or off in the Start button [] > [Settings] > [System] > [Display].
Professional Mode	Provides a more extended color gamut to the display and enhances the content color reproduction. (Professional Mode uses an ICC profile and works only in some programs.)
Connecting to Simple Display	When connecting an external display, you can set to display the menu that can set the Display Mode on the PC screen.
Applying Lively Theme	You can set various themes provided by LG PC or select an operation method of Lively Theme according to the charging status.

2. Sound

*Supported to the built-in microphone/speaker only.

Function	Description
AI Microphone Optimization	Cancels out the noise input to the microphone to deliver clear sound.
AI Speaker Optimization	Cancels the noise output from the speakers to deliver clear sound.
User voice tracking	It removes voices of other users in the surroundings and delivers the registered user's voice only. It can be used in the Uni Directional Noise Canceling mode only.

3. Power & Performance

Function	Description
Cooling Mode	Allows you to set the fan mode of the PC according to the PC environment.

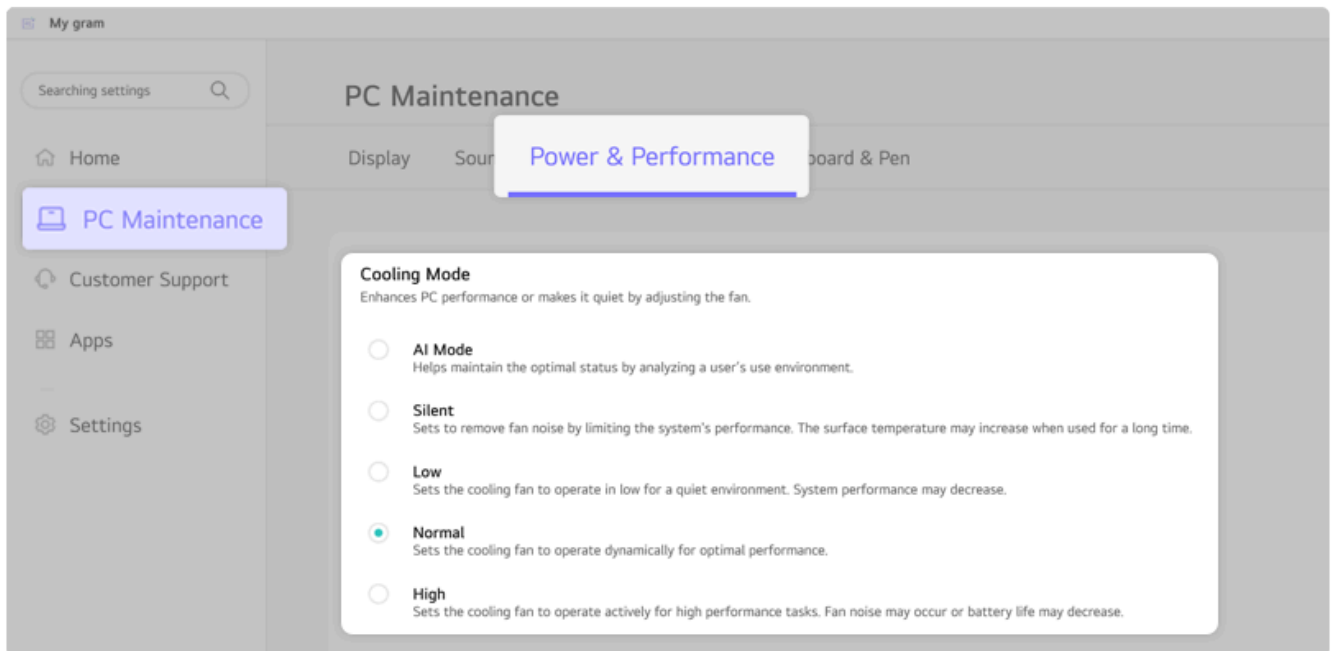
[Learn more > \(on page 177\)](#)

Battery Life Status	Displays the battery status so that you can replace the battery timely.
Extend Battery Life	Allows you to lower the battery charge completion level to 80%, or set to extend the battery life through the AI mode that learned the user pattern and PC status.
Turning off the screen by detecting AFK	Allows you to set to turn off the screen automatically by detecting AFK with a camera.
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.
Battery Saving Mode	You can adjust some of the PC's settings, such as the Power mode, screen and sleep settings, keyboard backlight, display brightness, and Windows Auto Update, to use the battery for a longer duration. (This applies only when the PC adaptor is not connected to the power.)
AI Battery Usage Detection Notification	You can set the PC to use its AI analysis function and alert you when multiple applications or vaccine programs that consume the battery a lot are being used.

4. Keyboard & Pen

Function	Description
Keyboard Backlight	You can set whether to use keyboard backlight and brightness, and can set the keyboard backlight to turn off automatically after the designated time.
Lock Fn Key	Allows you to set the hot keys (F1 - F12) to operate even without pressing Fn.
Shortcut Guide	While pressing the Fn key or  key, you can set to display the shortcut guide that can be combined with this key.
Display NumLock Key Status	Allows you to set the screen to display the status change when you press the NumLock key.
Shortcut Settings	You can register the app or Internet address to set to use as a shortcut, or check the designated shortcut. Learn more > (on page 178)

[Cooling Mode Guide]



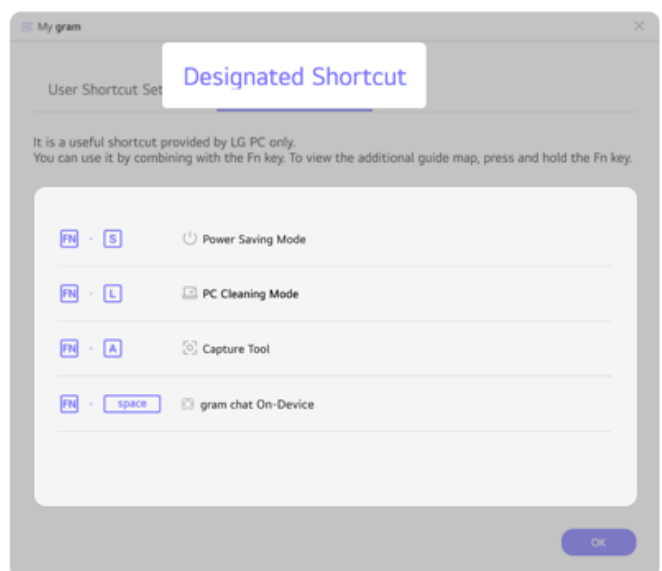
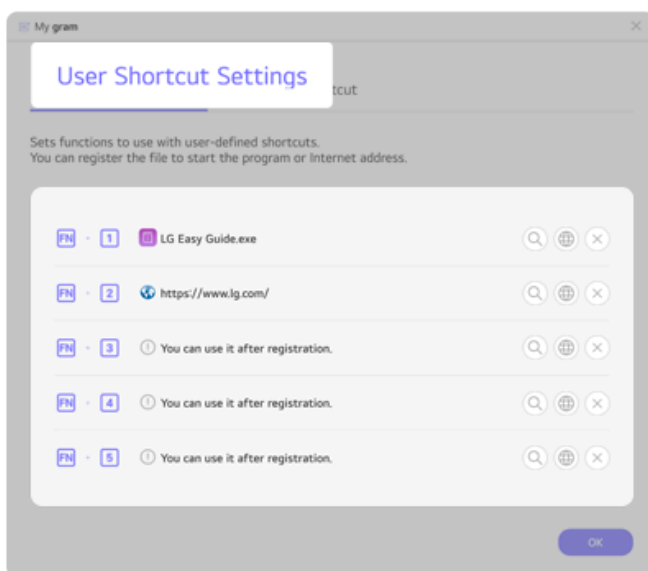
- **AI Mode:** Helps maintain the optimal status by analyzing a user's use environment.
- **Silent:** Limits the PC performance so that the PC does not generate fan noise. (The PC surface temperature may rise when the function is used for a long time.)
- **Low:** Minimizes fan speed so that you can use the PC in a quiet environment. (This may degrade your PC performance.)
- **Normal:** Optimizes PC performance, heat and noise.
- **High:** Sets to the tasks that require high performance. (This may result in increased PC surface temperature and noise, and shorter battery life.)



Caution:

When using for a long term, use Normal Mode.

[Shortcut Setting Guide]



- **User Shortcut Settings:** On the Shortcut Settings List, select the navigation icon [] or the internet icon [] to register the desired app or Internet address to a shortcut.

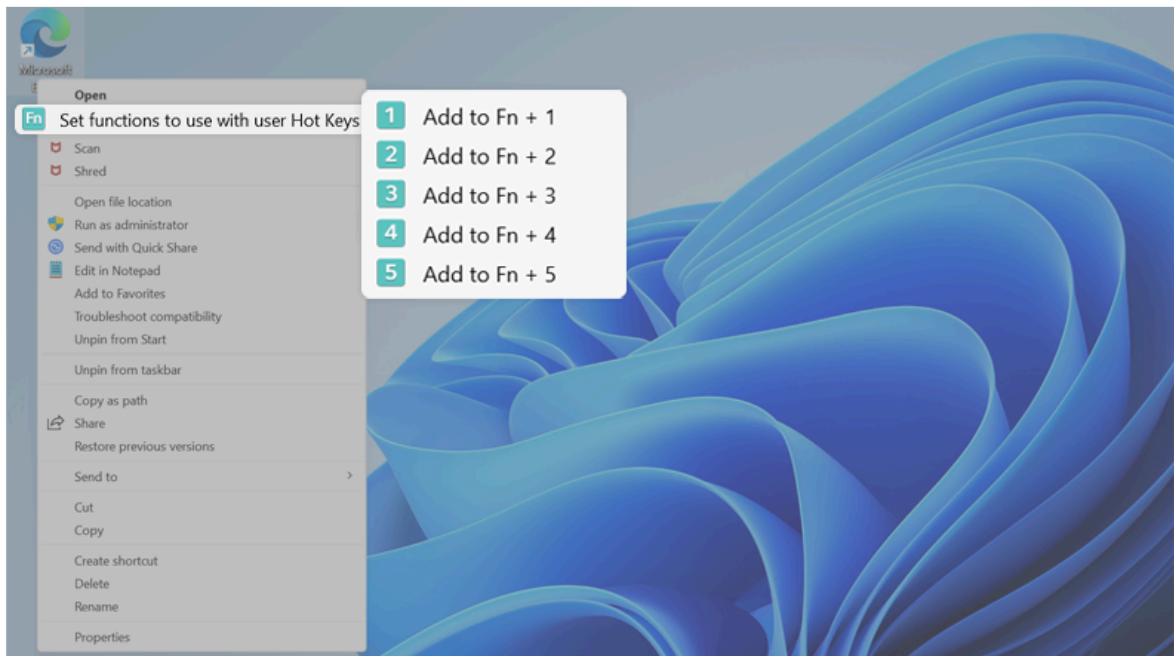


Tip:

Some abnormal program files (exes) and Internet addresses (links) may not be linked.

Shortcuts can be set from 1 to 5.

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.



- **Designated Shortcut:** The Fn key can be combined with shortcuts supported only by LG PC to use some functions easily, and the designated shortcuts may not be changed by the user.



Tip:

The PC Cleaning Mode is a function that locks the keyboard and touchpad to stop operating when cleaning the product while the power is turned on.

Turn off PC Cleaning Mode: Press and hold the [Fn] + [L] keys on the keyboard until the bar displayed on the screen is filled.



Caution:

Do not clean using liquid or solution while the power is turned on.

- A malfunction or fire may occur.

Backing up/Recovering My Windows

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

This only applies to models that support the 'Backup/Recovery' menu of LG Update & Renew.



Caution:

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

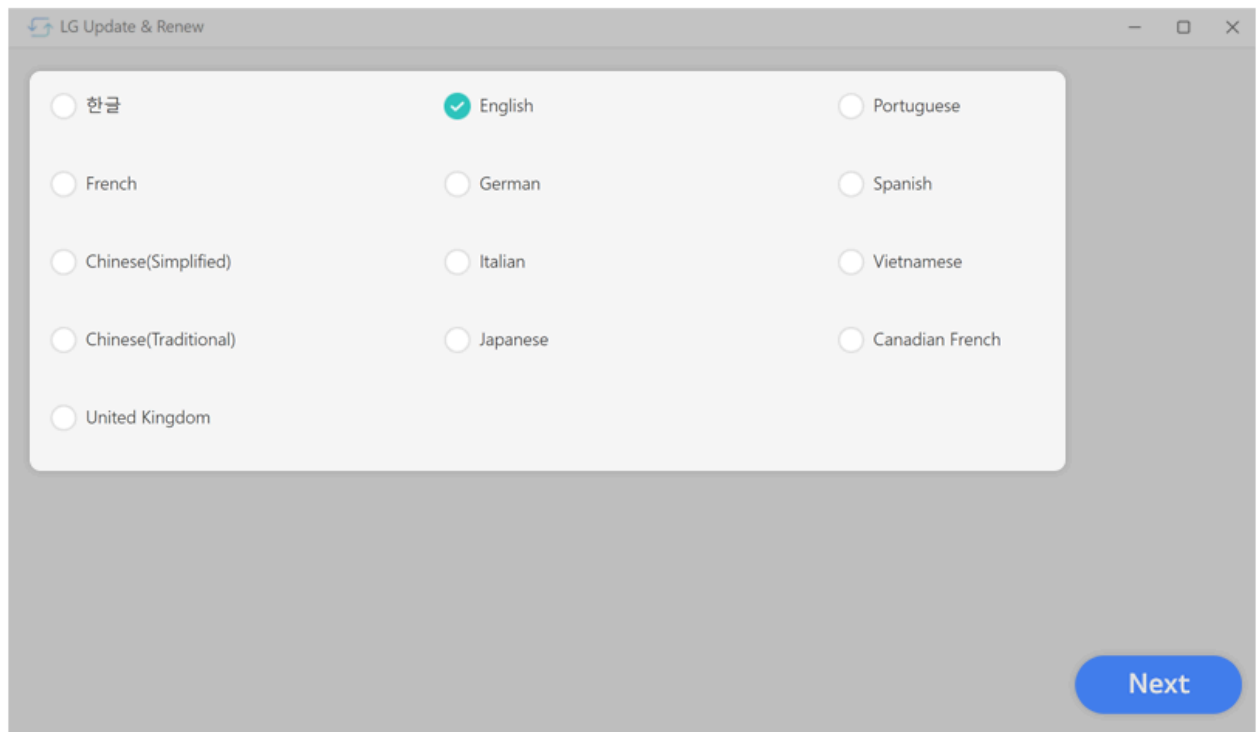


Tip:

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

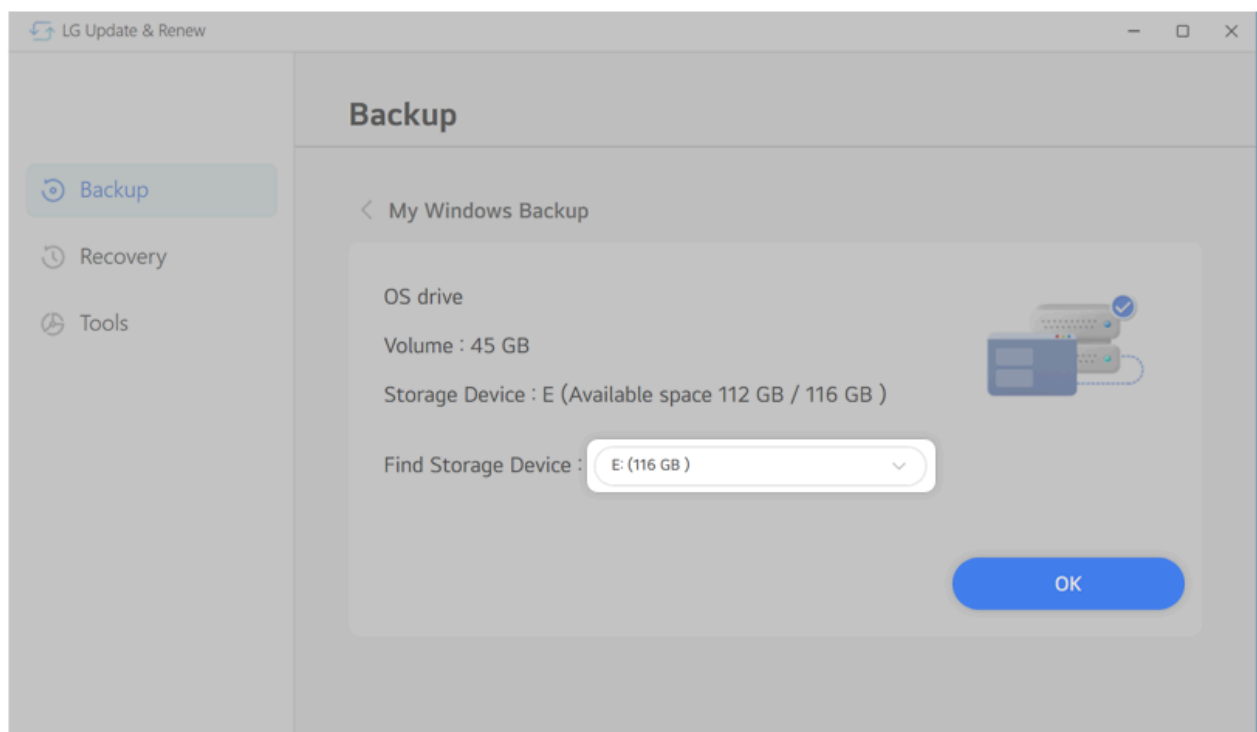
My Windows Backup

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 & Renew].
3. Check [Agree] in [Backup] > [My Windows Backup] and select [Next] to reboot your PC.
4. When the [LG Update & Renew] 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.

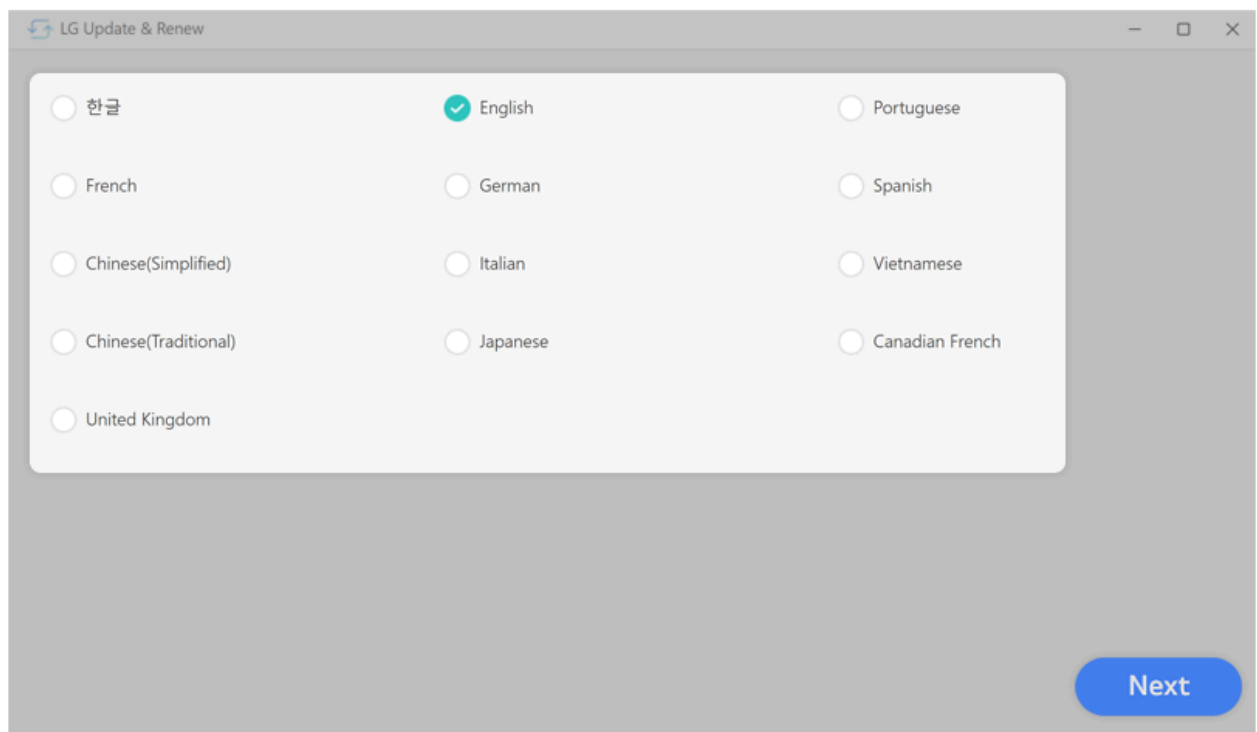
My Windows Recovery



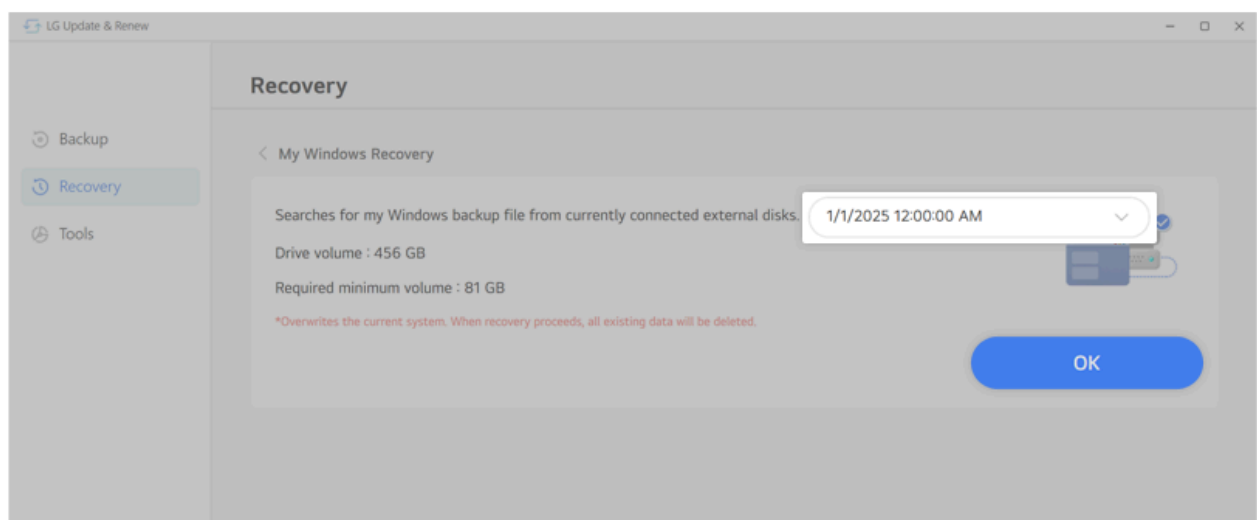
Caution:

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 & Renew].
3. Check [Agree] in [Recovery] > [My Windows Recovery] and select [Next] to reboot your PC.
4. When the [LG Update & Renew] 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.

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.

Setting the 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 the 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 User Password.

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

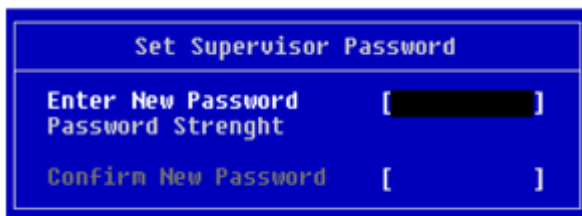


2. When the System Setup screen appears, go to [Security] > [Set Supervisor Password] using the arrow keys and press the [Enter] key.



- When the Password Setting screen appears, enter a password and press the [Enter] key.

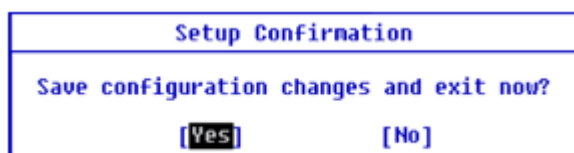
The password should not exceed 12 characters and should consist of English letters (A - Z), numbers (0 - 9), and special characters or a combination of them.



- 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.

Setting the User Password

The User Password is lower than the Supervisor Password, so it can be entered only after setting the Supervisor Password.



Tip:

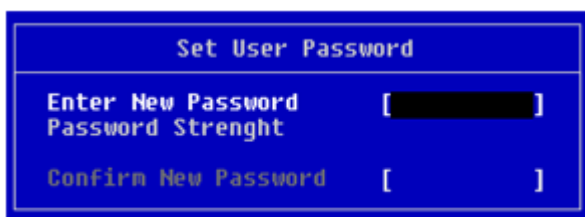
The User Password allows only limited access to the items that can be set compared to the Supervisor Password when using the System Setup.

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.

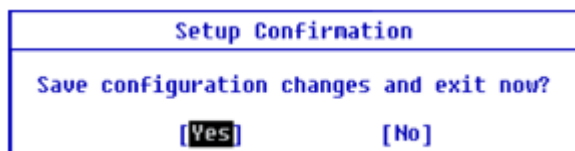
The password should not exceed 12 characters and should consist of English letters (A - Z), numbers (0 - 9), and special characters or a combination of them.



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



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



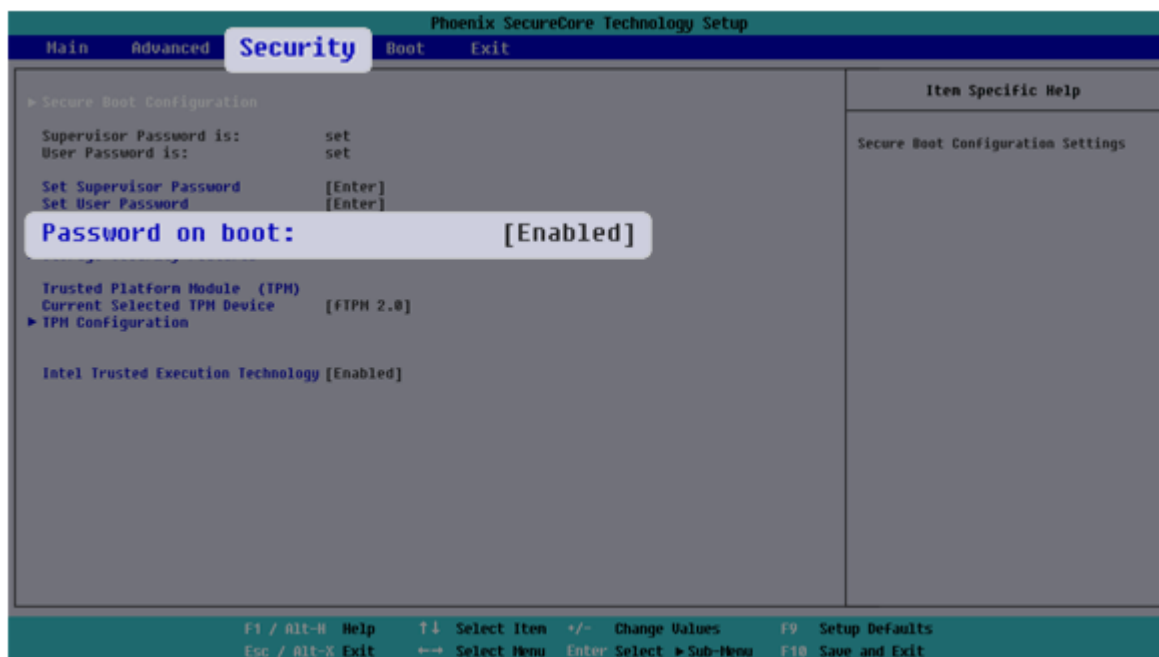
5. The PC will restart.

Password on boot

[Password on boot] protects your system by requiring during booting to enter the Supervisor Password or User Password.

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

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



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

Setting the Storage Device Password

The Storage Device Password is to set a password in the storage device separate from the Supervisor Password.



Tip:

- Some storage devices may not support password setting.
- For the models equipped with two storage 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:

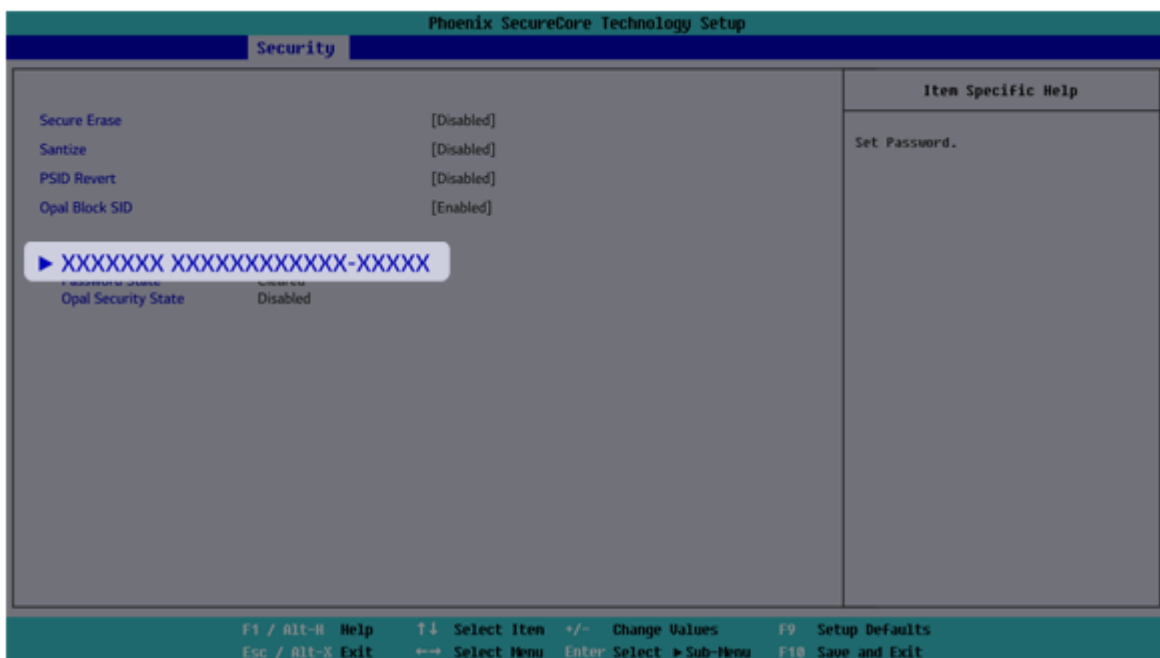
If you lose the password for a storage device, you cannot recover the storage device.

- Please note that replacement of a storage device due to the loss of the password of the storage device is excluded from the product warranty.

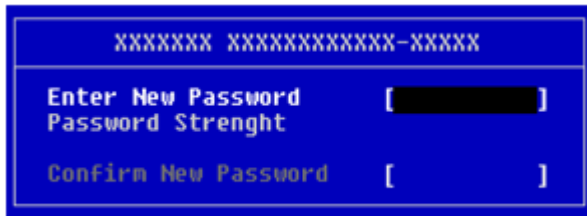
1. Execute the System Setup screen, go to [Security] > [Storage Security Features] using the arrow keys and press the [Enter] key.



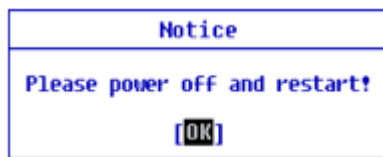
2. Go to the desired device and press the [Enter] key.



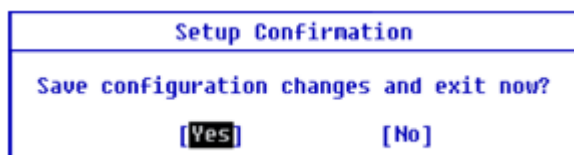
3. Press the [Enter] key in [Set Password].
4. When the Password Setting screen appears, enter a password and press the [Enter] key.
The password should not exceed 12 characters and should consist of English letters (A - Z), numbers (0 - 9), and special characters or a combination of them.



- 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.

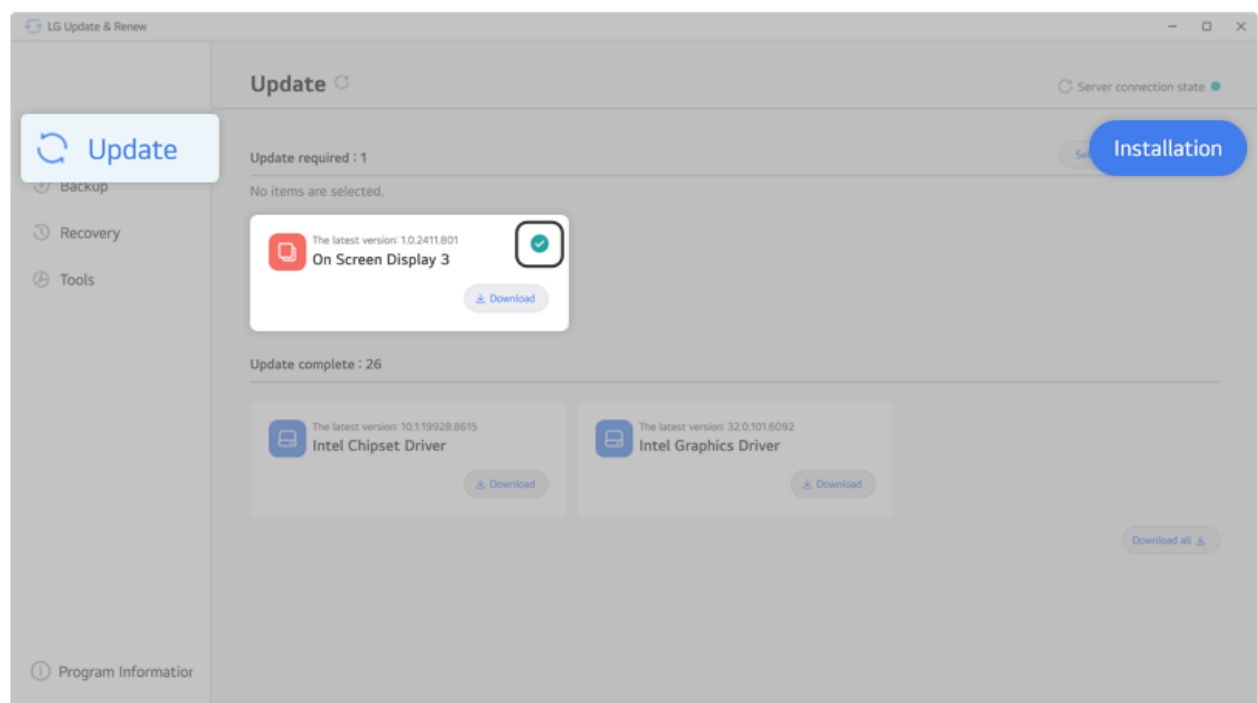


- The PC will restart.

Installing the Driver

You can use LG Update & Renew to install the deleted drivers or the latest drivers easily and quickly.

- Select the Start button [Windows logo] > [All apps] and run [LG Update & Renew].
- Install a driver in the [Update] menu.





Tip:

Use LG Update & Renew to keep your system current and optimized.

The figures herein are subject to change without prior notice.

How to Download LG Update & Renew

You can download and install LG Update & Renew from LG Electronics website (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.

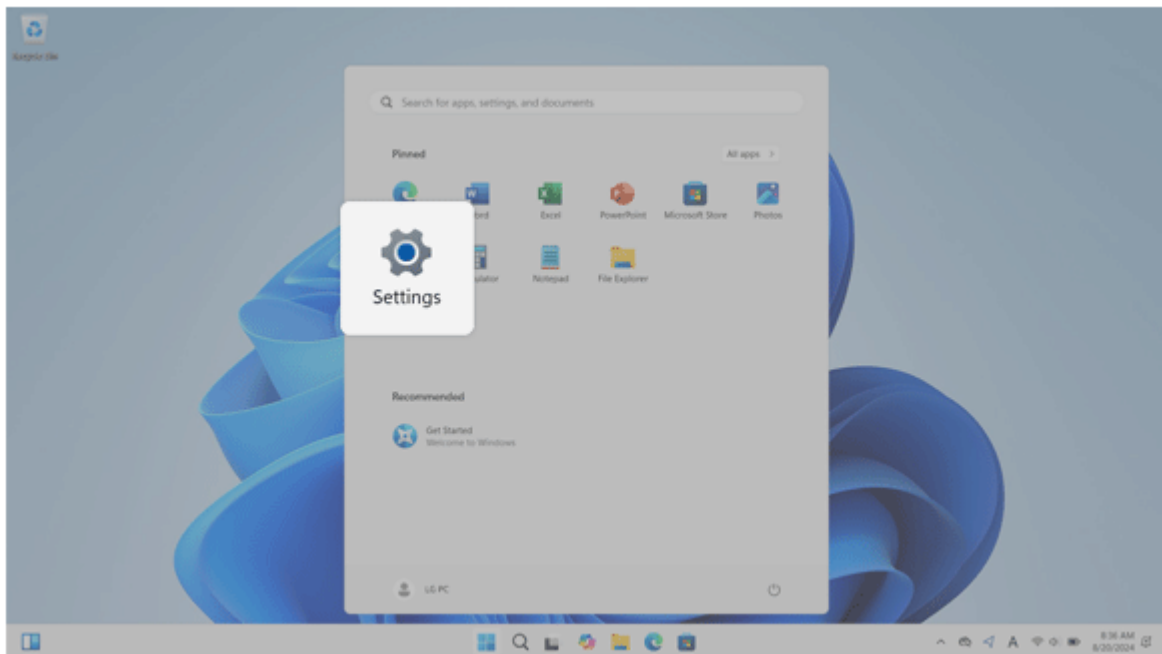
Refer to the following information to change the DPI scaling to suit your needs.

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

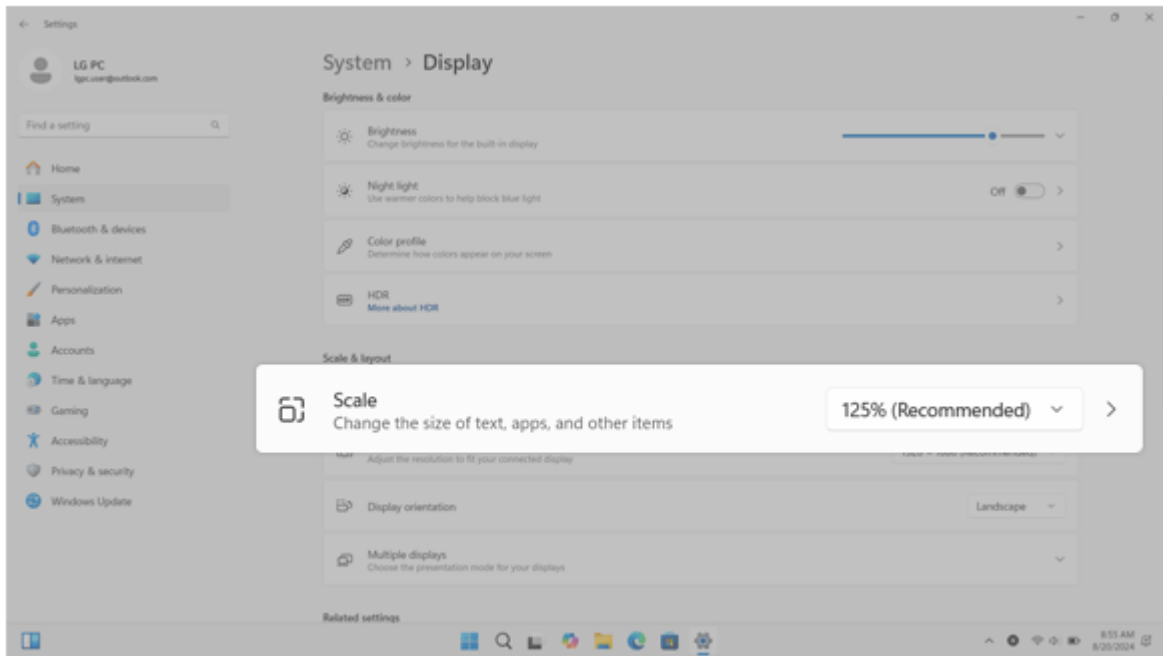


Tip:

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.