2 Open the LCD and check the charging state.
When the AC adapter lamp is blinking, charge it fully with the AC adapter before using it.

CAUTION

Use batteries certified and acknowledged by LG Electronics Inc.

- Uncertified batteries may explode.

WARNING

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

- 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 °C and 40 °C. Do not expose the PC to heat hotter than 60 °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.
- Keeping battery fully discharged for an extended period of time may cause the battery to become over discharged, thereby making charging unavailable.

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

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

3 Storage Device (HDD, SSD, eMMC) Indicator Lamp
- When the PC accesses the storage device, the indicator lamp turns on.
  Do not turn off the power forcibly while the storage device indicator lamp is on or blinking. Doing so may damage the disk or its data.

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 keys may not work properly when you use several keys at the same time while playing a PC game.
- Change the combination of keys to be used simultaneously through the game's settings or use an external gaming keyboard that supports unlimited simultaneous input.

Using Hot Keys

You can use the hot keys shown below to use the PC conveniently.

Fn + F1	Runs the **LG Control Center**.
Fn + F2	Decreases LCD brightness, which can have eleven different levels.
Fn + F3	Increases LCD brightness, which can have eleven different levels.
Fn + F4	Runs the mode defined in Windows **Sleep Mode**. (Example: Standby Mode, Hibernate Mode)
Fn + F5	Each time you press the [Fn] + [F5] keys, the mode switches between **Touchpad Off** (touchpad disabled) and **Touchpad On** (touchpad enabled). To enable **Touchpad Auto** (disables touchpad when an external USB mouse is connected), press the [ ] button and disable [Leave touchpad on when a mouse is connected] in [Settings]> [Devices]> [Touchpad]. Each time you press the [Fn] + [F5] keys, the mode switches between **Touchpad Off** and **Touchpad Auto**. TIP 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.
Fn + F6	Airplane Mode ON/OFF (Wireless LAN and Bluetooth OFF/ON)
Fn + F7	Switches between monitor and projector.
Fn + F8	Switches the keyboard backlight mode.

Fn + F9	Switching to Reader Mode
Fn + F10	Mute
Fn + F11	Turns down the volume.
Fn + F12	Turns up the volume.
Fn + Prt Sc	Works as the Scroll Lock [Scr Lk] key.
Fn + Ctrl	Works as the [Pop-up Window] key.
Fn + ◀	Works as the [Home] key.
Fn + ▶	Works as the [End] key.
Fn + ▲	Works as the [PgUp] (Page Up) key.
Fn + ▼	Works as the [PgDn] (Page Down) 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**

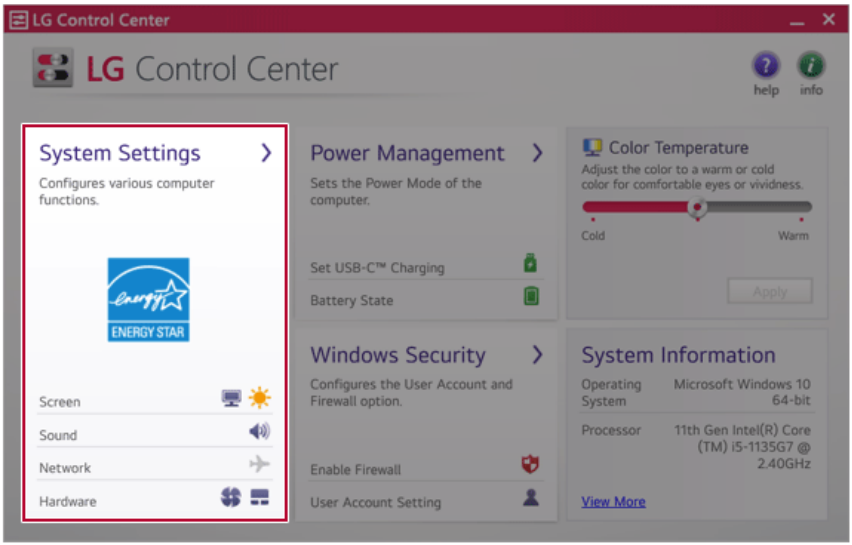
TIP

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

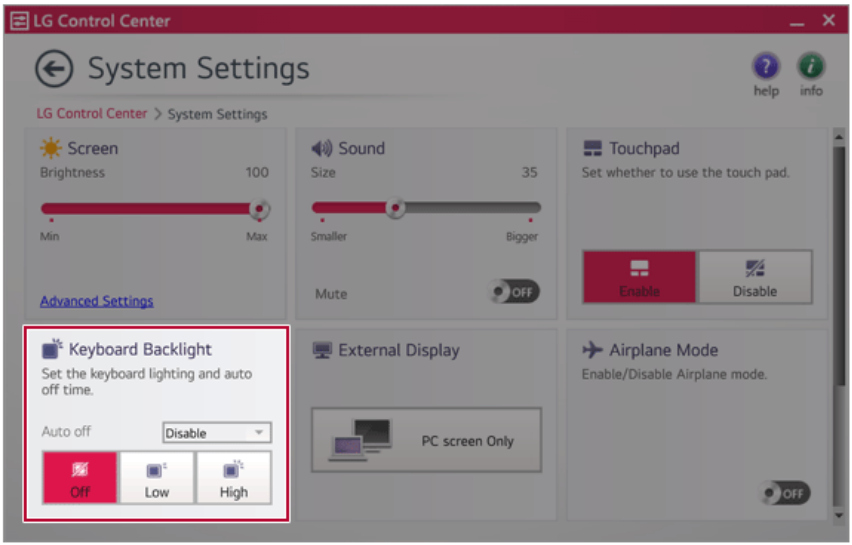
- Each time you press the [Fn] + [F8] keys, the status changes to **KBD Backlight Off**, **KBD Backlight Low**, and then **KBD Backlight High** in the specified order.

1 Select the [ ] button > [LG Software] to run **[LG Control Center]**.

2 On the **LG Control Center** screen, select the **[System Settings]** menu.



3 In the **Keyboard Backlight** option, set the keyboard lighting and 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 Bright-ness	[Fn] + [F2], [F3]	Press the [F2] key to darken the screen or the [F3] key to brighten it. Press the Action Center [ ] icon on the right side of taskbar to run the Action Center. Then move the screen brightness bar to adjust the screen brightness.
Volume	[Fn] + [F11], [F12]	Press the [F11] key to lower the volume or [F12] key to increase the volume. Press the [ ] icon on the right side of the taskbar to adjust the volume.
Mute	[Fn] + [F10]	Press the button to turn on or off the mute feature. Press the [ ] icon on the right side of the taskbar to mute the sound.

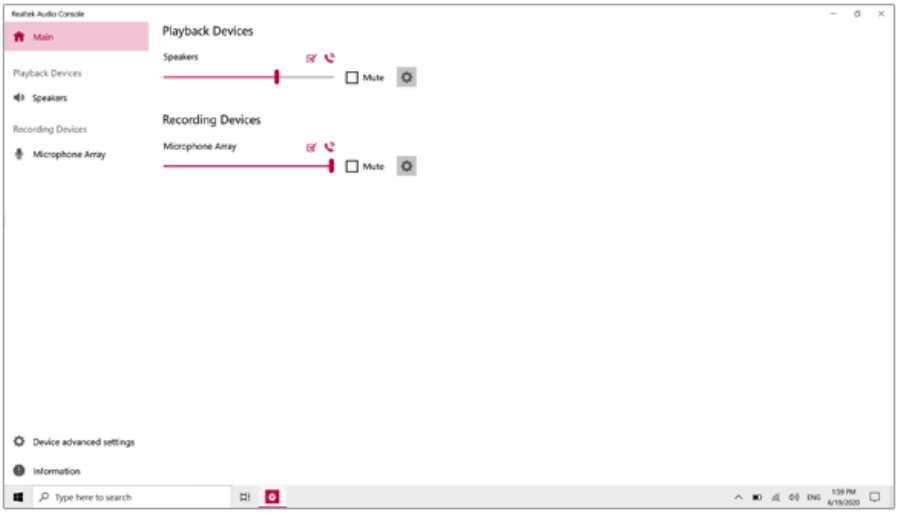
ENGLISH

Hearing Protection Feature

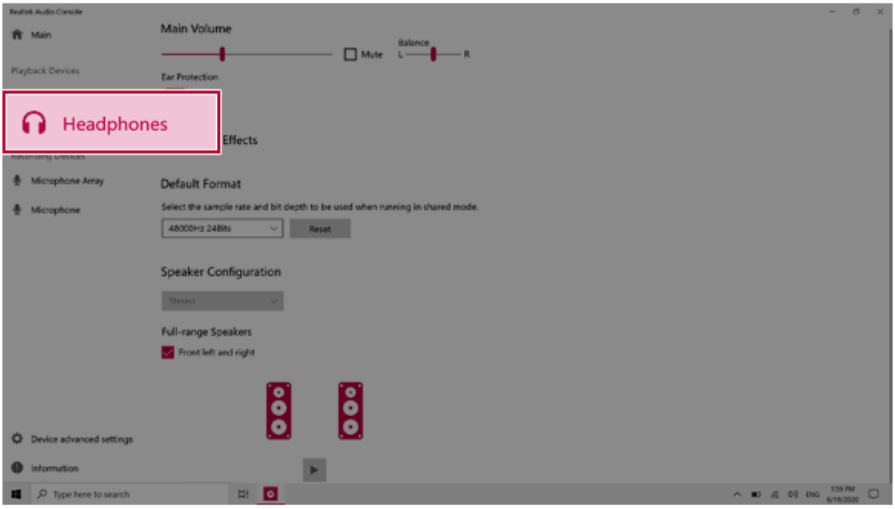
The product is equipped with a hearing protection feature to protect your ears from pressurized sound while using earphones or headphones.

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

1 Click [ ] button > **[Realtek Audio Console]** and run **Realtek Audio Console**.



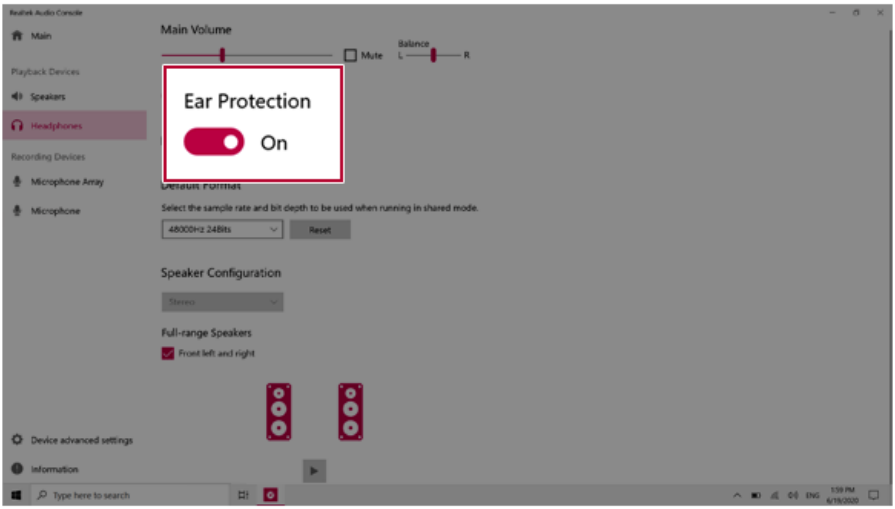
2 Connect an earphone or headphone and select the [Headphones] menu.



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

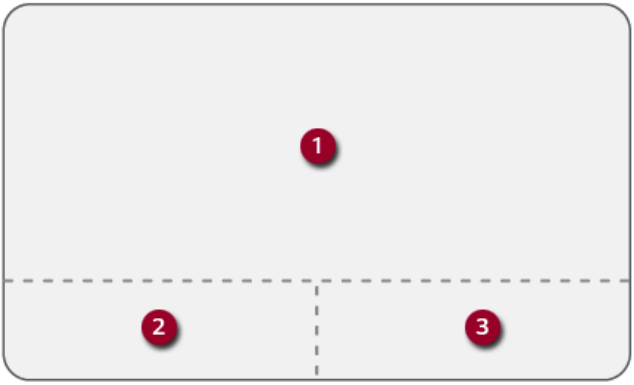
Tip TIP

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.

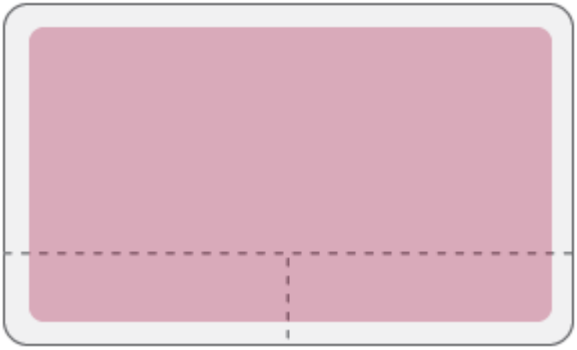
3 Right button
- Functions as the right button of a mouse in most cases. However, the usage may differ depending on programs.

TIP

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

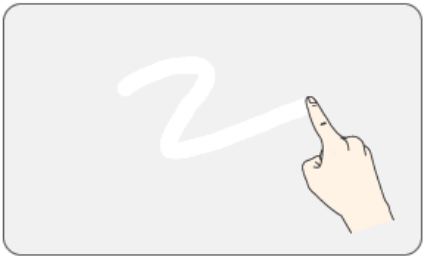
Precautions for Using the Touchpad

- 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

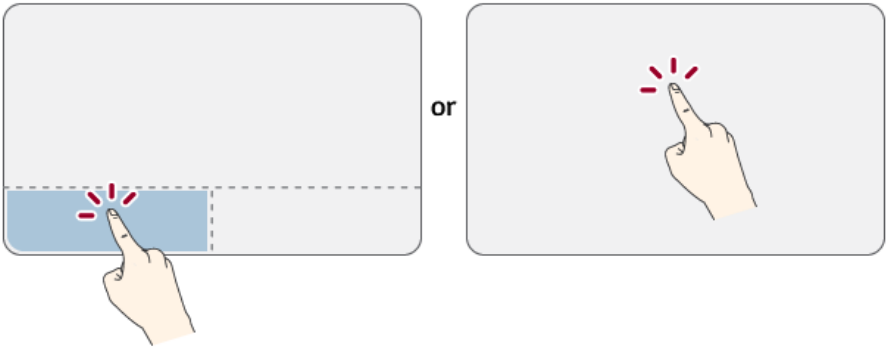
Place a finger on the touchpad and glide the finger.



Click (Select)

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

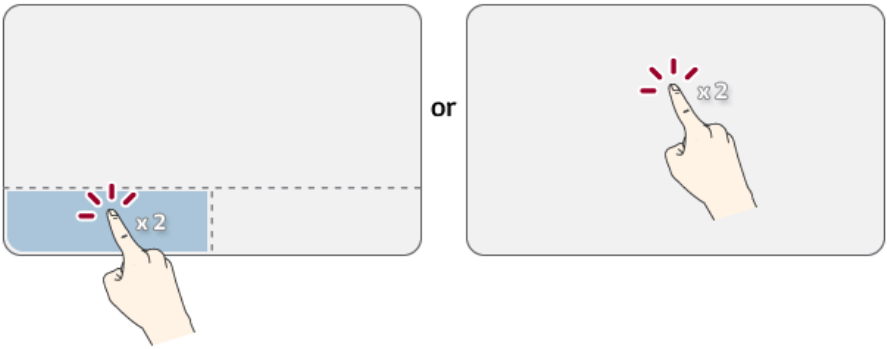
Do this, for example, to select a menu or icon and to place the cursor to type on a word processor file.



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).



CAUTION

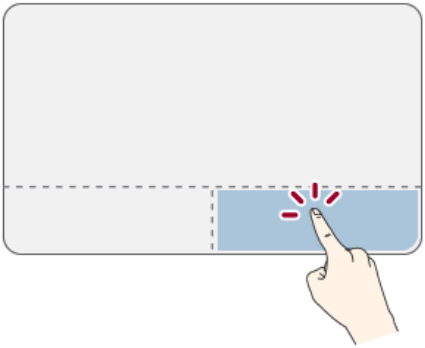
Notes on Using the Touchpad

- 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.

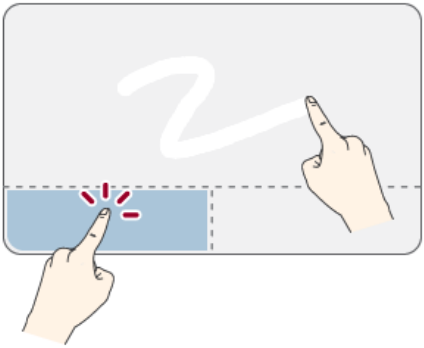


Drag & Drop

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.)

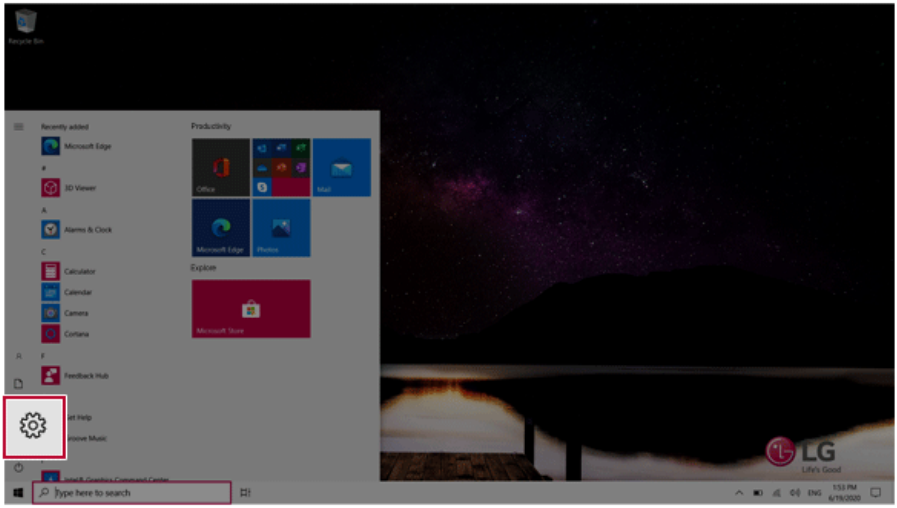
ClickLock

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

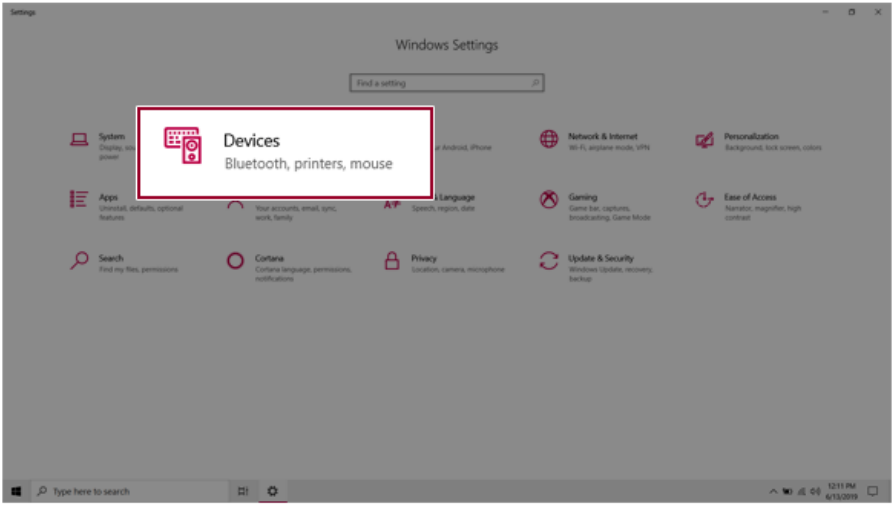
1 Click the [ ] button and select the [Settings] menu.

TIP

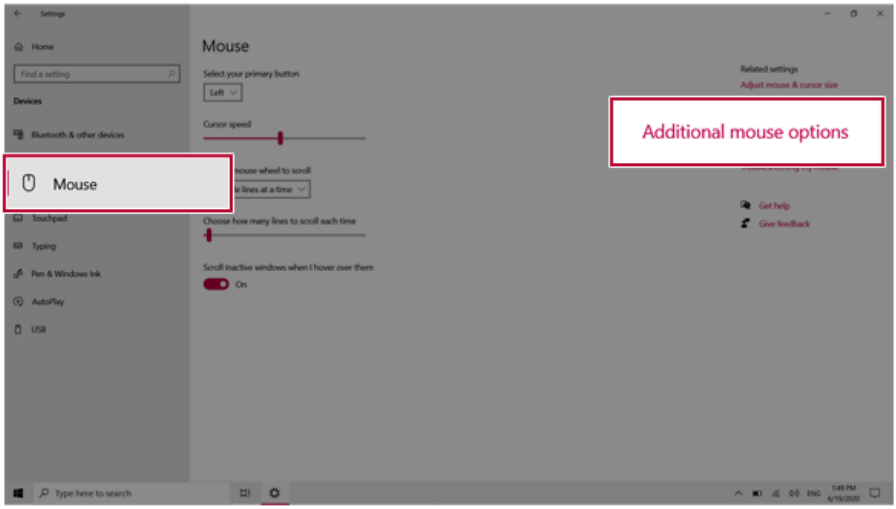
Press the [ ] key or [Ctrl] + [Esc] to display the Start menu.



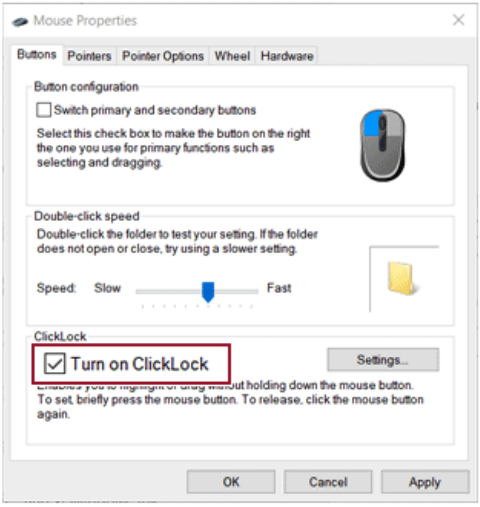
2 When the [Settings] screen appears, select [Devices].



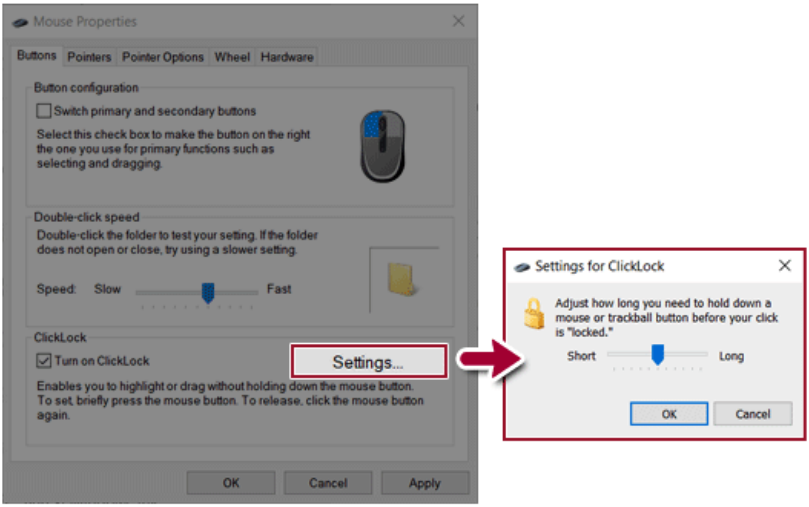
3 Select [Mouse] > [Additional Mouse Options].



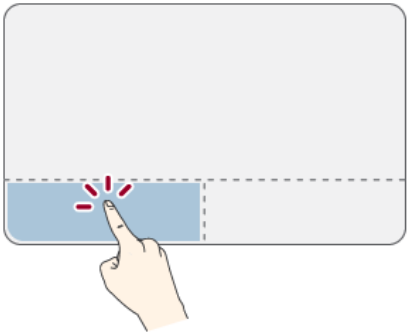
4 When [Mouse Properties] screen appears, select [Turn on ClickLock].



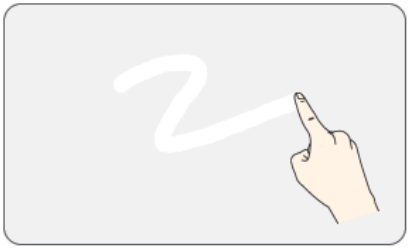
5 Press [Settings] to set the time for the ClickLock.



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



7 Move on the touchpad to use the drag/scroll feature.



8 Press the left mouse button to turn off the ClickLock.

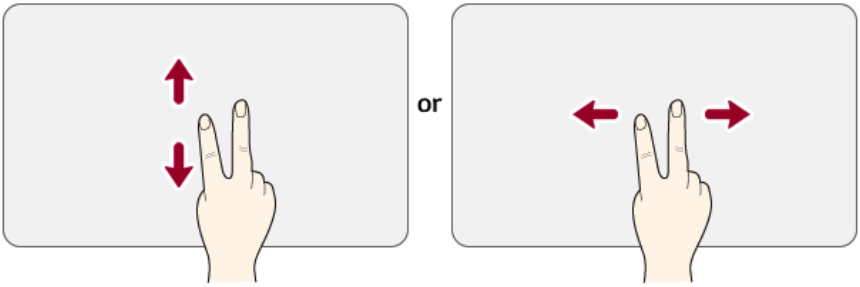
Touchpad Gesture

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

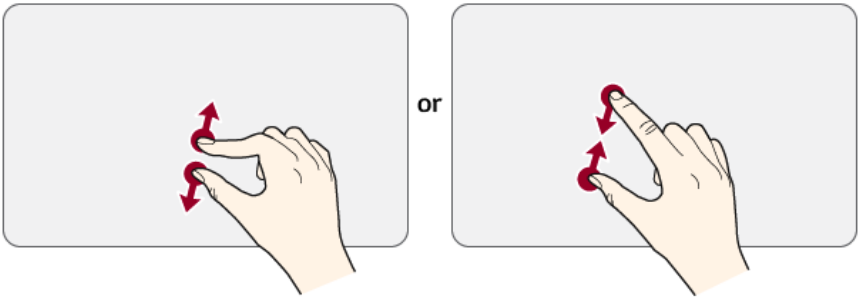
Windows 10 Touchpad Gestures allow you to use the PC more easily.

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.



ENGLISH

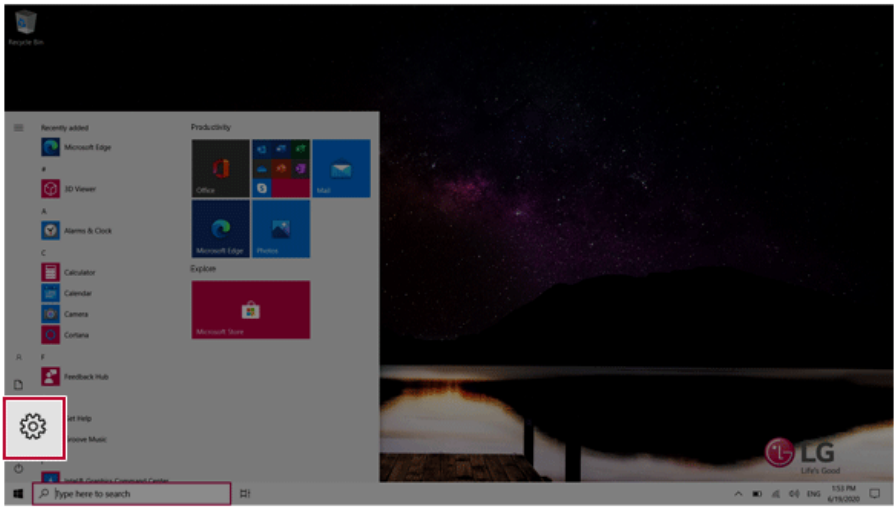
Setting Touchpad

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

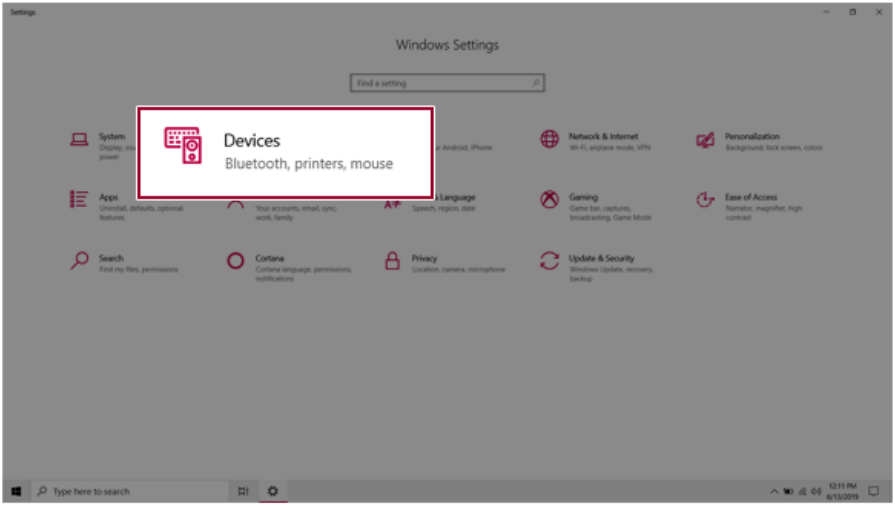
The figures herein may differ by language selection and are subject to change without prior notice.

1 Click the [ ] button and select the [Settings] menu.

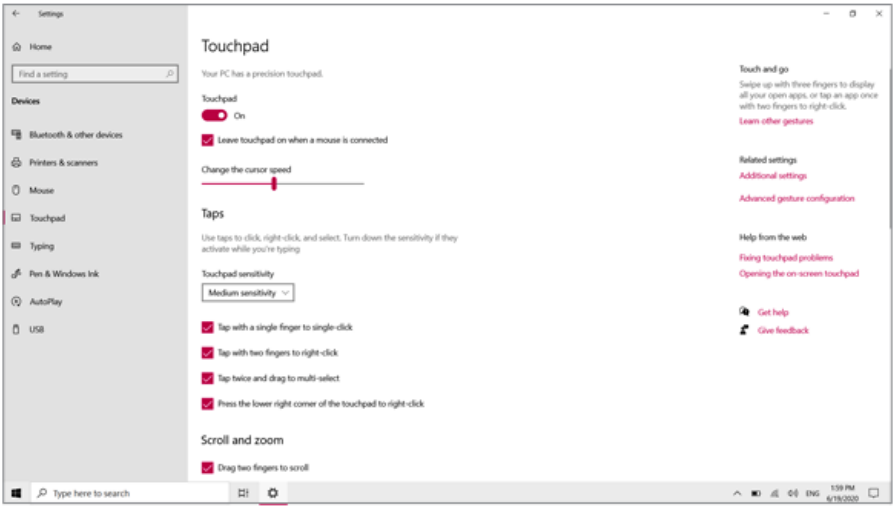
> **TIP**
>
> Press the [ ] key or [Ctrl] + [Esc] to display the Start menu.



2 When the [Settings] screen appears, select [Devices].



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



ENGLISH

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.

1 Connect the HDMI cable to the PC and the external device (TV, monitor) that supports HDMI.

2 HDMI port transfers both video and audio simultaneously. Hence, there is no need for a separate audio connection.

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

TIP

- Every time you press [ ] + [P], 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.

ENGLISH

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

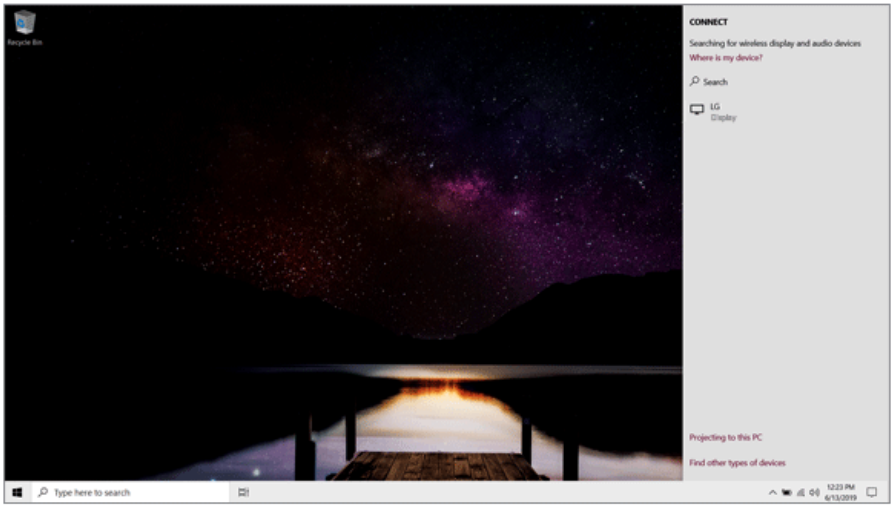
1 Press the Action Center [ ] icon on the right side of the taskbar.

2 When the Action Center screen appears, press the **[Connect]** tile.

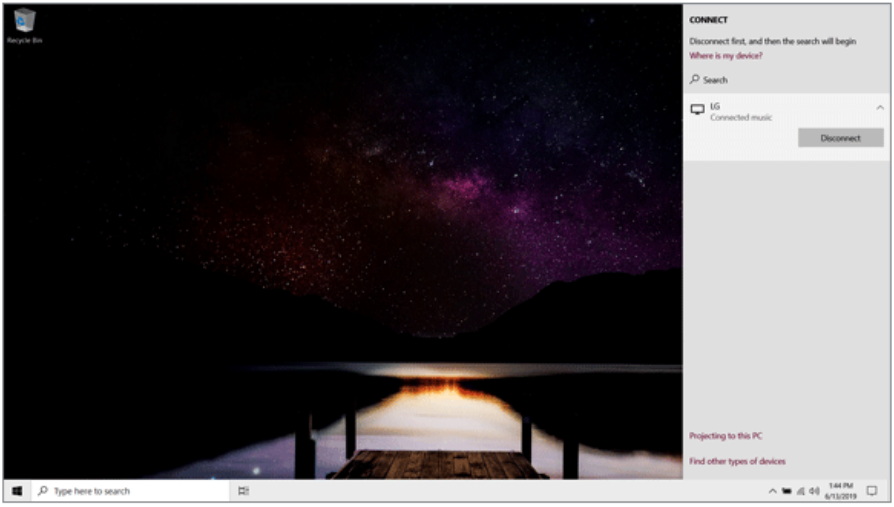
TIP

If the tile does not appear, press the [Expand] menu.

3 Search for wireless display devices in the proximity.



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



Using the USB-C™ (Thunderbolt™) Port

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

With the USB-C™ port, you can connect USB devices, charge external devices, and output the display screen.

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.

CAUTION

Charging the notebook PC battery via the USB-C™ port is not supported.

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

Alternate Mode is a mode that uses display outputs such as DP (Display Port) and HDMI through the USB-C™ port.

We support DisplayPort (DP) 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).

Charging External Device

You can connect an external device to the USB-C™ port to charge it.

- The external devices that use the USB-C™ port can be charged at 10 W (5 V / 2 A), 15 W (5 V / 3 A), and 18 W (9 V / 2 A).
- A USB device compatible with USB PD (Power Delivery) supports charging at 15 W (5 V / 3 A) or 18 W (9 V / 2 A), whereas a regular USB device supports charging at 10 W (5 V / 2 A).
- If your notebook PC's battery level is less than 10%, both USB PD and regular USB devices support charging at 10 W (5 V / 2 A) only.
- Always-On Charging is supported only with USB-C™ ports, but not with the regular USB ports.
- If you connect an AC adapter while the notebook PC is being used to charge an external device, it may take more time to charge the notebook PC.

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.

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

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.

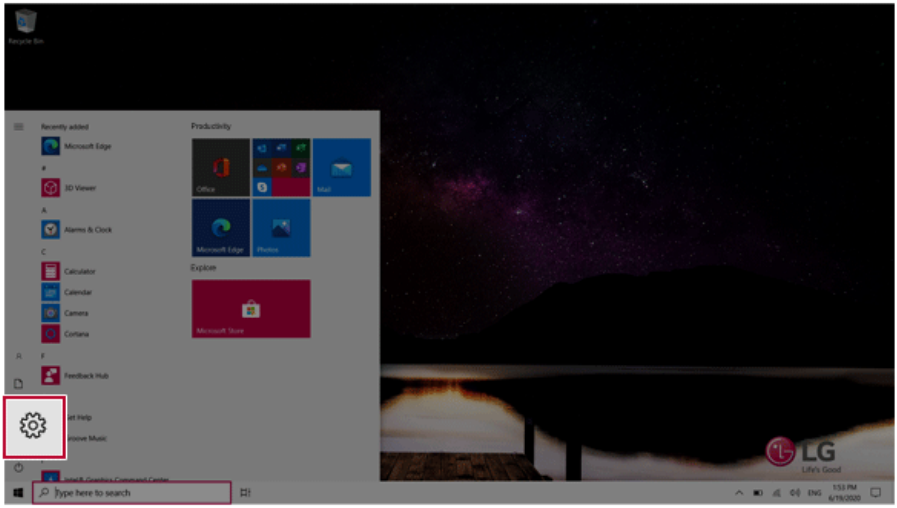
Connecting two notebook PCs that support Thunderbolt™

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

1 Press the [ ] button and select the **[Settings]** menu.

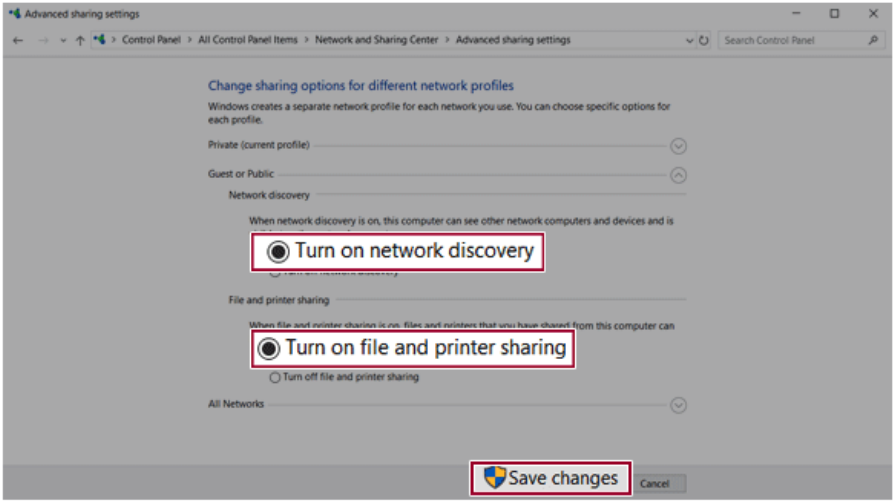
Tip TIP

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



2 Select [Network & Internet] > [Status] > [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.

ENGLISH

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.

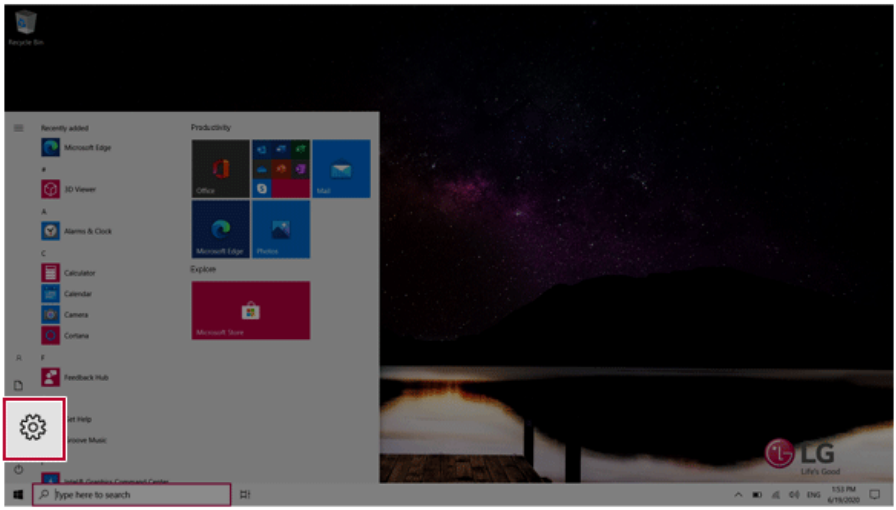
The figures herein may differ by language selection and are subject to change without prior notice.

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

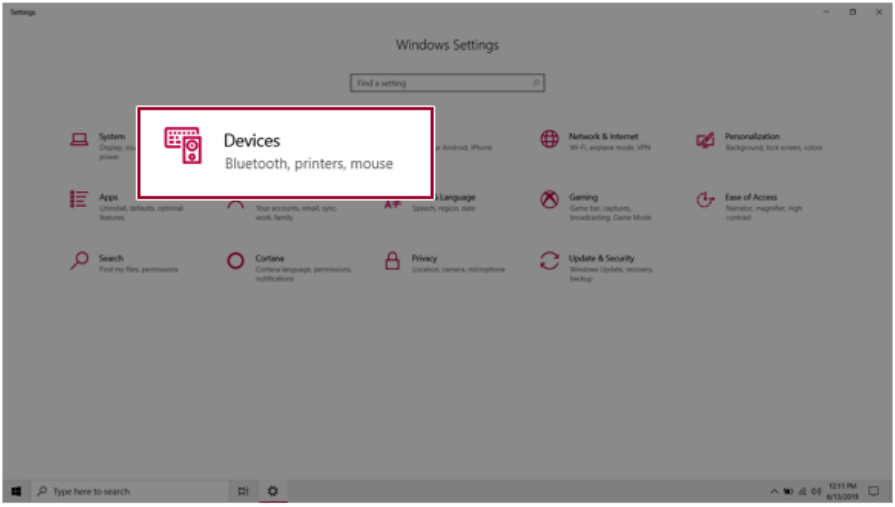
1 Click the [ ] button and select the [Settings] menu.

TIP

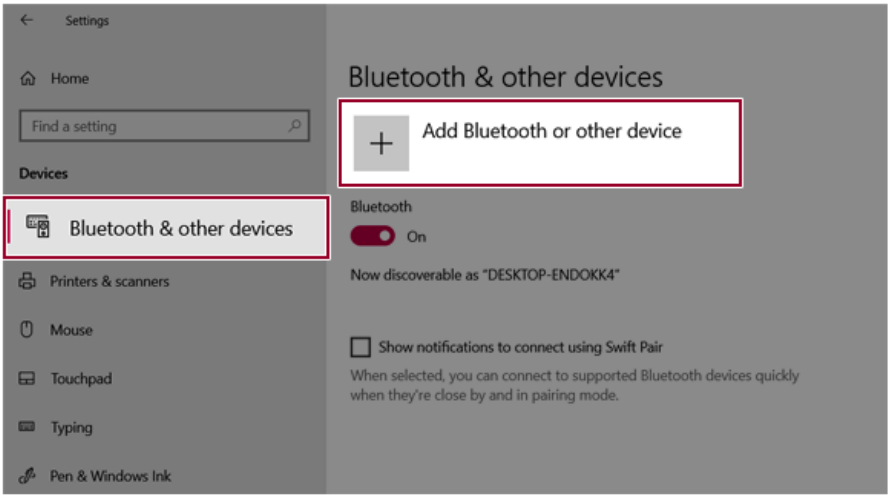
Press the [ ] key or [Ctrl] + [Esc] to display the Start menu.

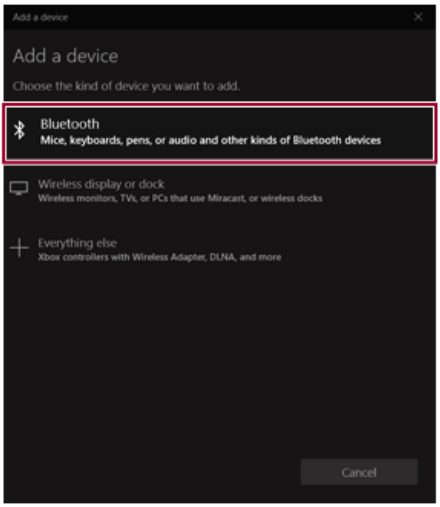


2 When the [Settings] screen appears, select [Devices].

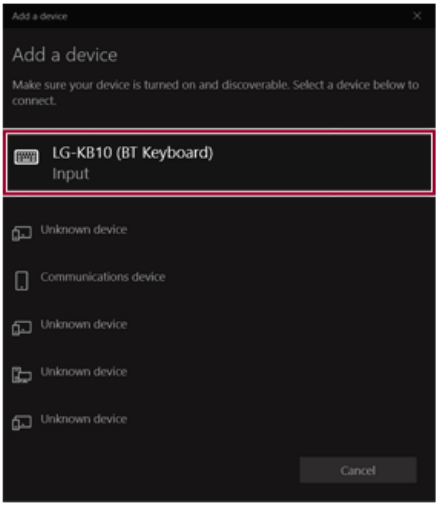


3 Select **[Bluetooth & other devices]** > **[Add Bluetooth or other device]** > **[Bluetooth]** to search for Bluetooth devices.





4 Select a device to connect to.



5 Complete the Bluetooth connection as directed.

ENGLISH

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.

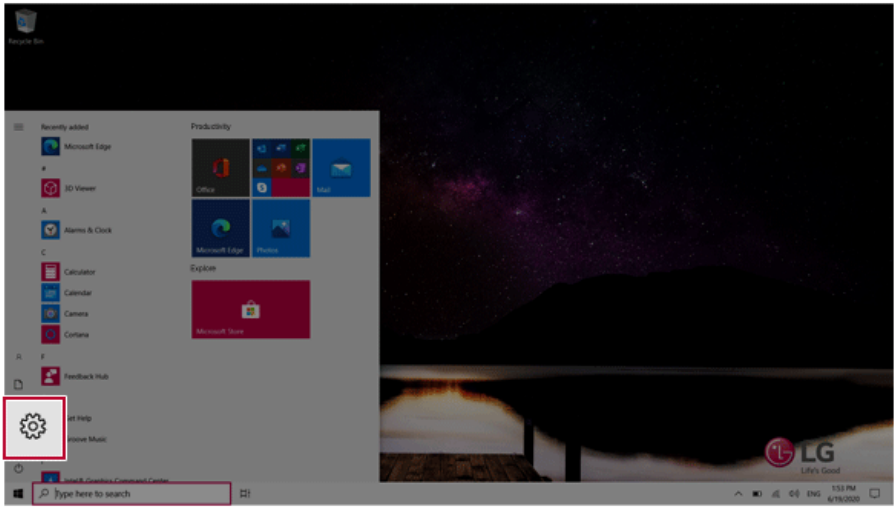
Please refer to the following instructions for details on setting up an automatic IP (DHCP) or manual IP.

1 Connect the wired LAN cable to the LAN port.

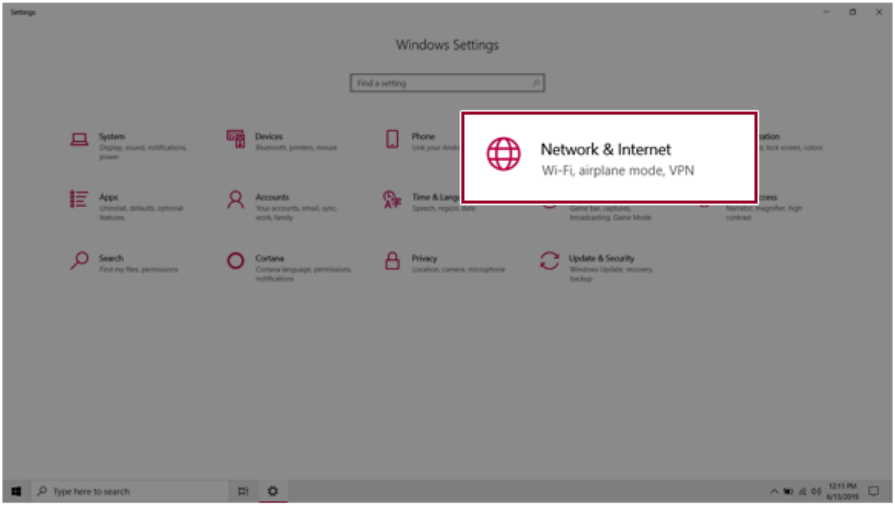
2 Press the [ ] button and select the **[Settings]** menu.

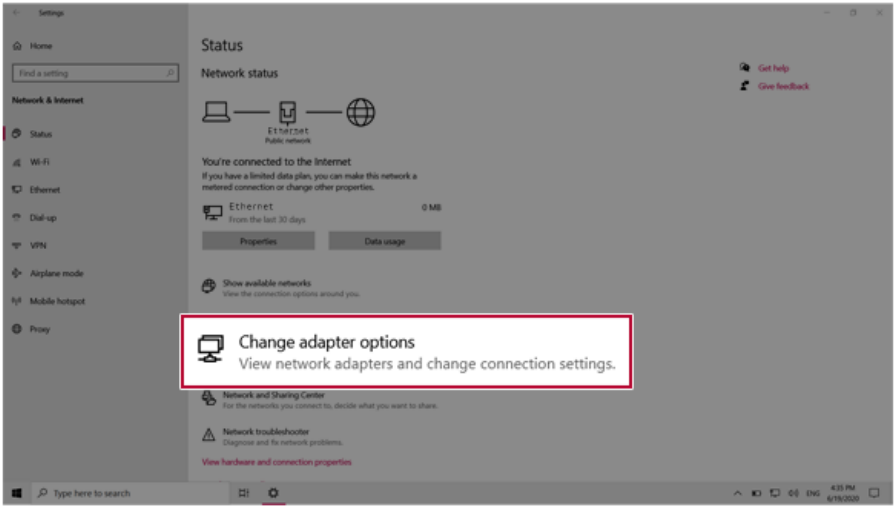
TIP

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

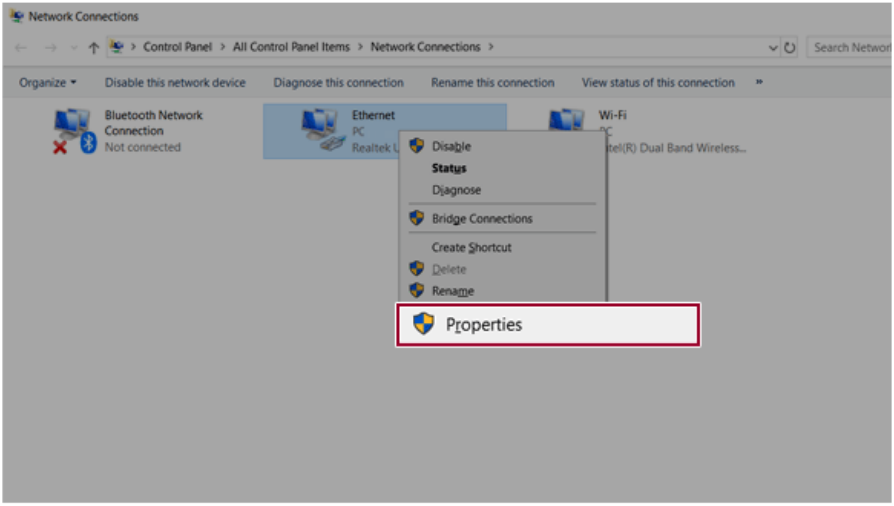


3 Select **[Network & Internet]** > **[Status]** > **[Change Adapter Options]**.

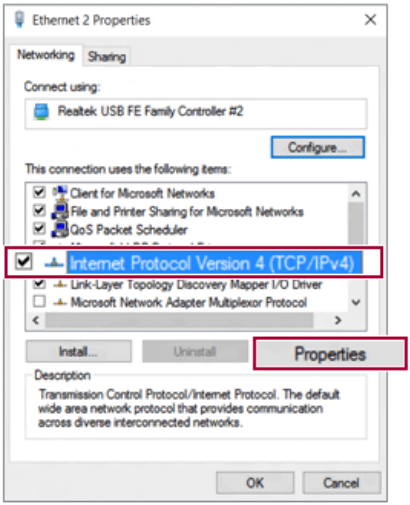




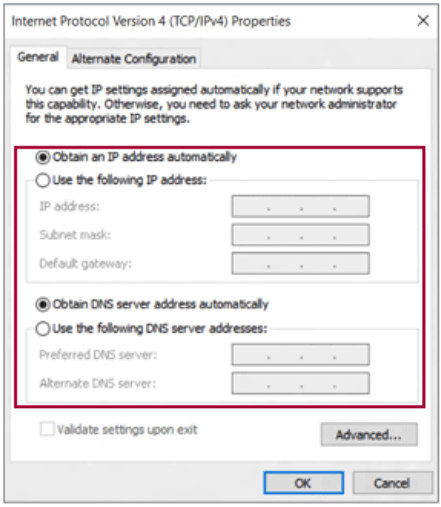
4 Right-click **[Ethernet]** and select the **[Properties]** menu.



5 Select **Internet Protocol Version 4 (TCP/IPv4)** and then click **Properties**.



6 To use an automatic IP (DHCP), select **[Obtain an IP Address Automatically]**. If you wish to use a static IP, select **[Use Following IP Address]** to enter the address.
Contact the network service provider or administrator to use a static IP.



7 Press **[OK]** to complete the network setup.

8 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.

During the search for a wireless network (Wireless LAN), various Access Points may be found according to the location where the PC is used.

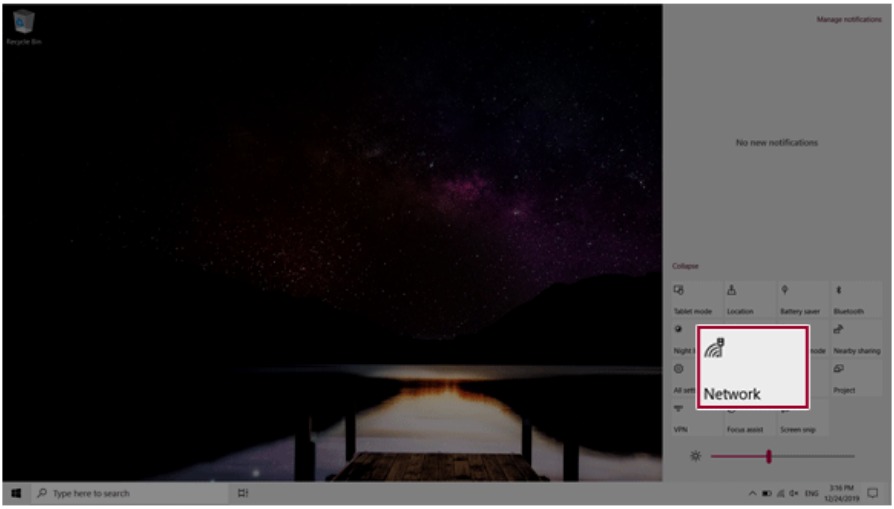
In case there are no accessible wireless networks (Wireless LAN) near the PC, no Access Points may be found.

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

1 Press the Action Center [ ] icon on the right side of the taskbar.

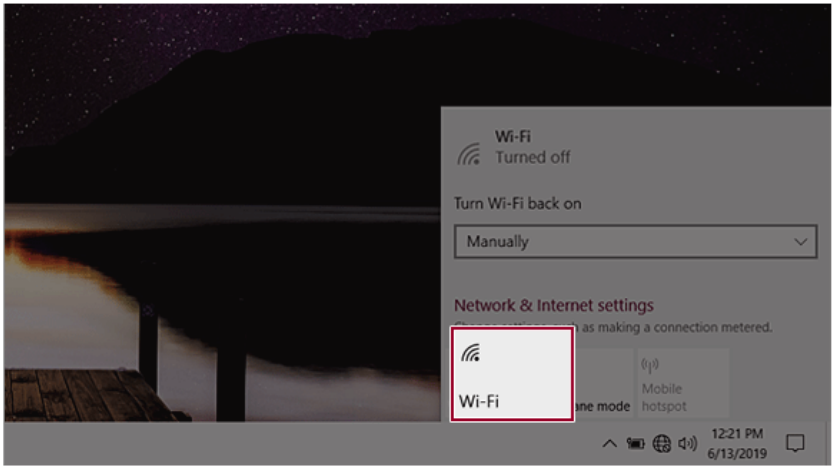
ENGLISH

2 Press the **[Network]** tile to search for a nearby Access Point.

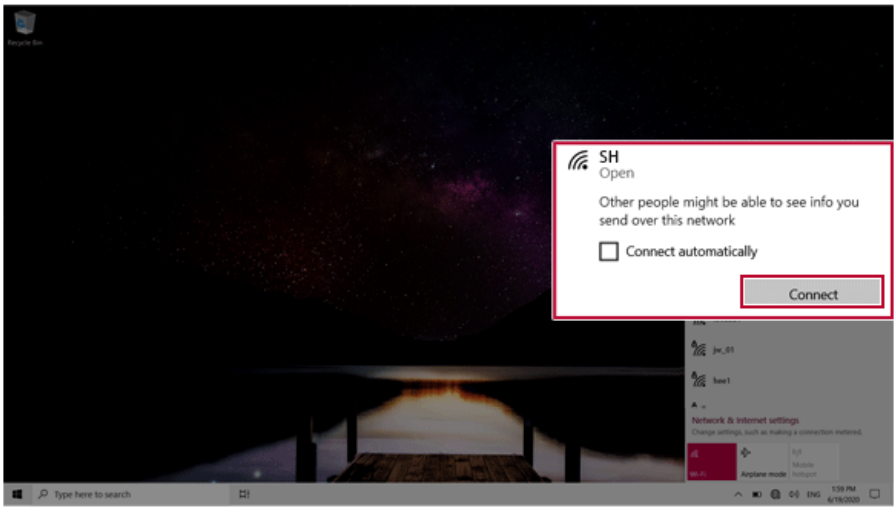


TIP

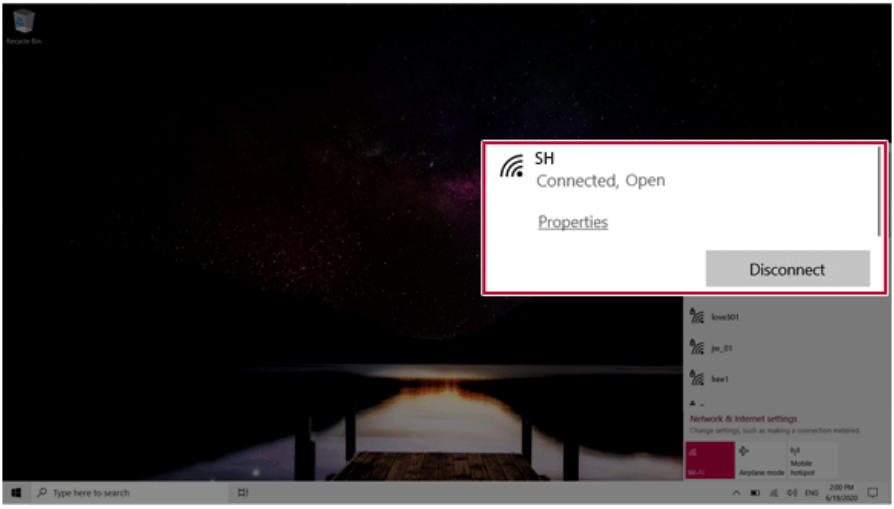
If **Wi-Fi** is turned off, press the **[Wi-Fi]** tile.



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.

ENGLISH

Micro SD Slot

Checking Available Memory Card

This model supports Micro SD memory cards.

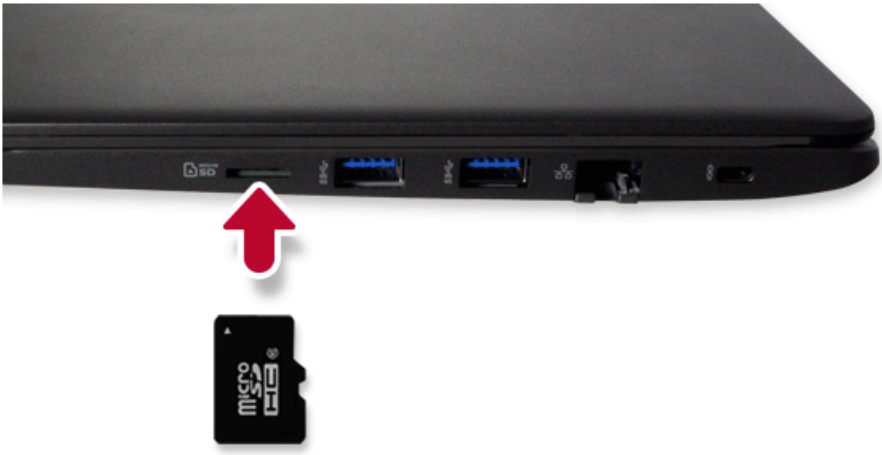
- **Directly applicable memory cards**

micro SD

Mounting and Using Memory Card

This product supports one **Micro SD** slot.

Make sure that the insertion direction of the **Micro SD** memory card is correct and push it until it is fully seated.



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.
- Micro SD memory cards can be used only as storage devices and do not support the copyright protection feature.

Removing Memory Card

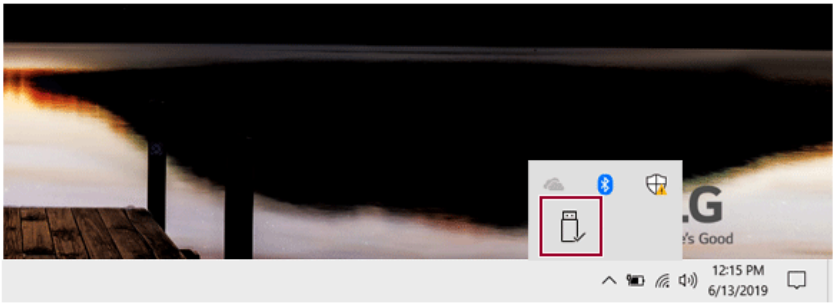
Push the card with your finger to make the card spring out of the slot. Remove the memory card.

TIP

To safely remove a memory card:

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

1 Click **Safely Remove Hardware and other Media** icon on the right side of the taskbar.



2 Select **Remove Multi-Card USB Device** to safely remove hardware.

ENGLISH

Using Software

LG Control Center

LG Control Center allows you to easily change the settings of your PC according to your needs.

TIP

The menus displayed in **LG Control Center** and its supported functions may differ depending on the model.

Please update the program to the latest version through **LG Update Center**.

The figures herein are subject to change without prior notice.

Running **LG Control Center**

Select the [ ] button > [LG Software] to run **[LG Control Center]**.

1 **Minimize/Exit Button:** Minimizes the size of the window, or exits the software.

2 **help/info Button:** Runs Help or displays information about the software.

3 **System Settings:** Sets the device settings such as the screen brightness, sound, and external display.

4 **Power Management:** Sets the USB-C™ charging function, battery status and battery life extension function.

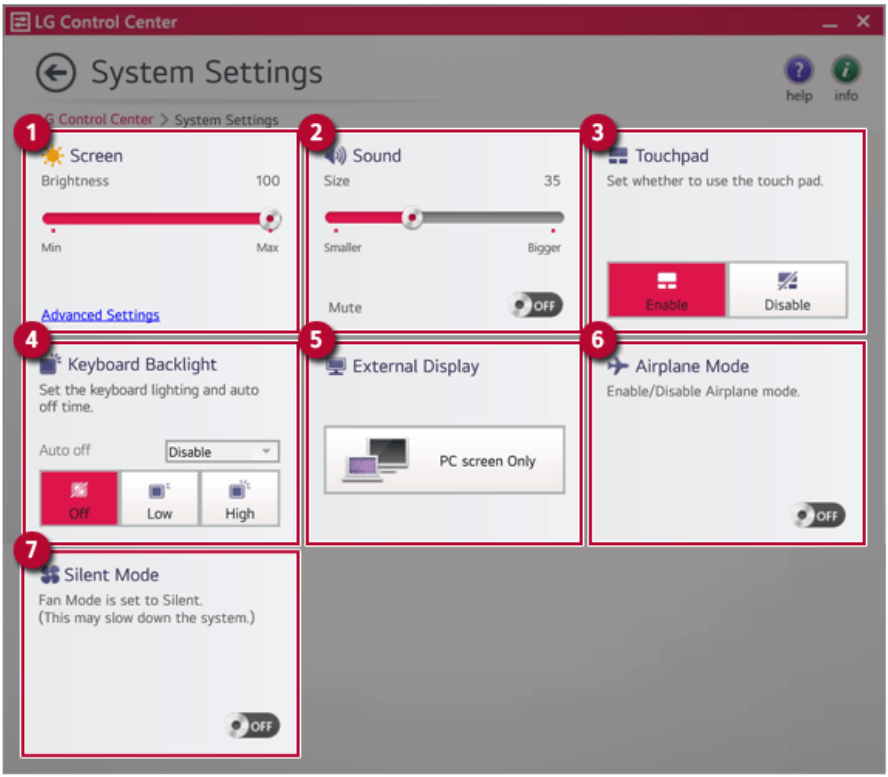
5 **Windows Security:** Sets User Account Control settings and Firewall settings.

6 **Color Temperature:** The screen color can be set to cold (with a bluish tint) or warm (with a reddish tint).

7 **System Information:** Displays the PC OS in use, processor information and other system information.

System Settings Screen

You can use this screen to configure various devices in your PC.



1 **Screen:** Allows you to adjust the system brightness. (This function is not supported in a model that does not provide the brightness settings in Windows.)

2 **Sound:** Allows you to adjust the volume of the sound or use the mute function.

3 **Touchpad:** Allows you to set whether to use the touchpad.

4 **Keyboard Backlight:** You can set the Keyboard Lighting and off time.

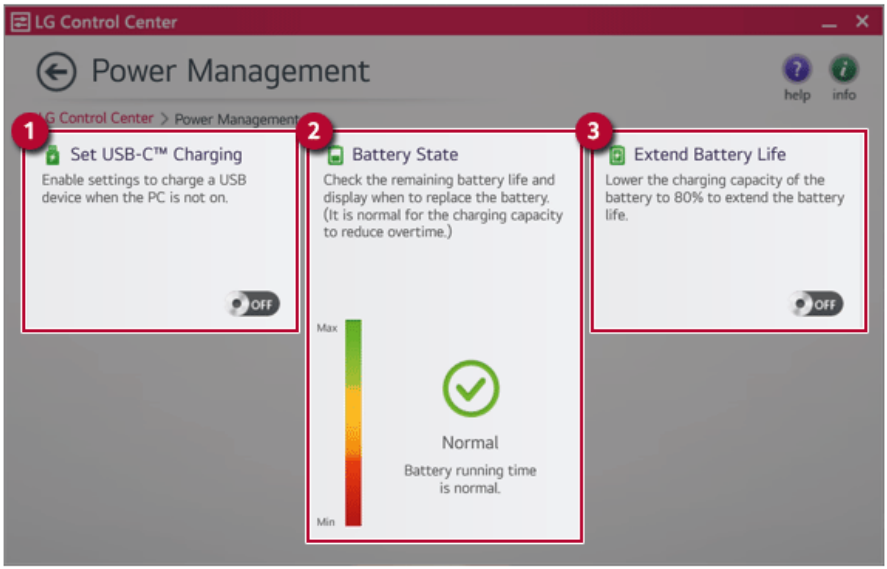
5 **External Display:** Allows you to configure the connection mode of an external display connected to the PC.

6 **Airplane Mode:** Allows you to set the Airplane Mode. (It turns off the wireless LAN.)

7 **Silent Mode:** Allows you to set the fan to the silent mode.

Power Management Screen

You can check or change the settings related to PC USB-C™ port or battery.



1 **Set USB-C™ Charging:** Allows you to set the USB port so that you can perform charging using the USB-C™ port even when the PC is turned off.

2 **Battery State:** Allows you to measure the battery lifespan so that you can replace it timely.

3 **Extend Battery Life:** Allows you to increase the battery lifespan by lowering the battery charging level to 80 % of the battery capacity.

Windows Security Screen

You can change the User Account Control and firewall settings in Windows.

1 **User Account Control Settings:** Allows you to change the User Account Control settings in Windows.

2 **Firewall:** Turns on/off the Windows firewall. (It may not work if other vaccine software is installed in the PC.)

FAQ

Q: Battery status displays "Warning".

- The battery is a consumable item and its lifespan may decrease depending on the usage frequency and environment. It is recommended that you visit the LG Electronics service center to have the battery replaced.

ENGLISH

LG Update Center

LG Update Center allows you to install various PC drivers, applications and Windows patches easily.

TIP

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

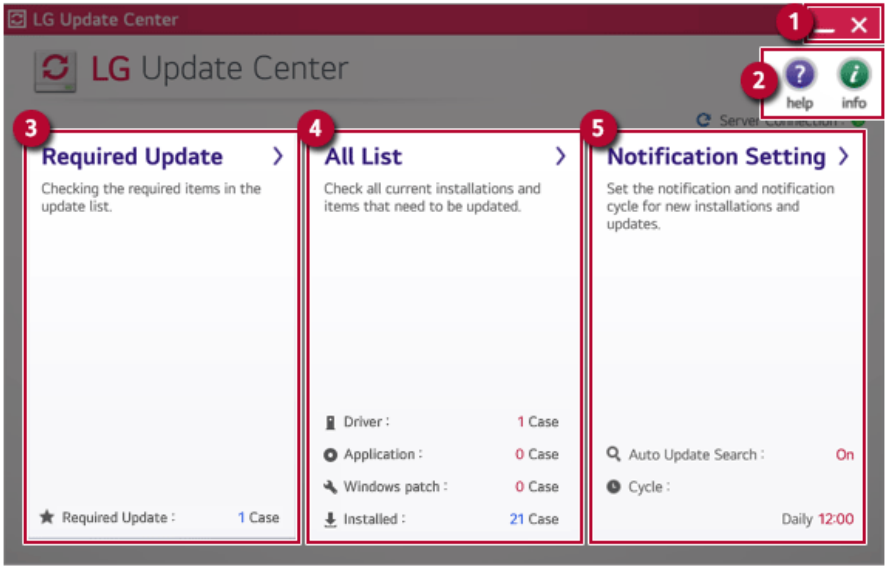
You can use the **LG Update Center** to quickly install the latest drivers, or reinstall any deleted drivers.

Use **LG Update Center** to keep your system current and optimized.

The figures herein are subject to change without prior notice.

Running **LG Update Center**

Select the [ ] button > **[LG Software]** to run **[LG Update Center]**.



1 **Minimize/Exit Button:** Minimizes the size of the window, or exits the software.

2 **help/info Button:** Runs Help or displays information about the software.

3 **Required Update:** Installs critical items that must be applied to the system.

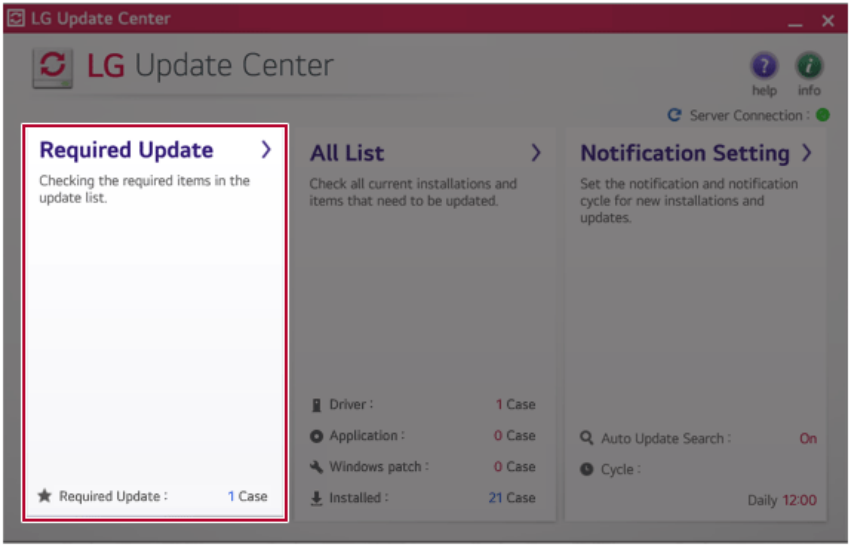
4 **All List:** Displays and installs all required items for the system.

5 **Notification Setting:** Sets up notifications for online updates for installed items.

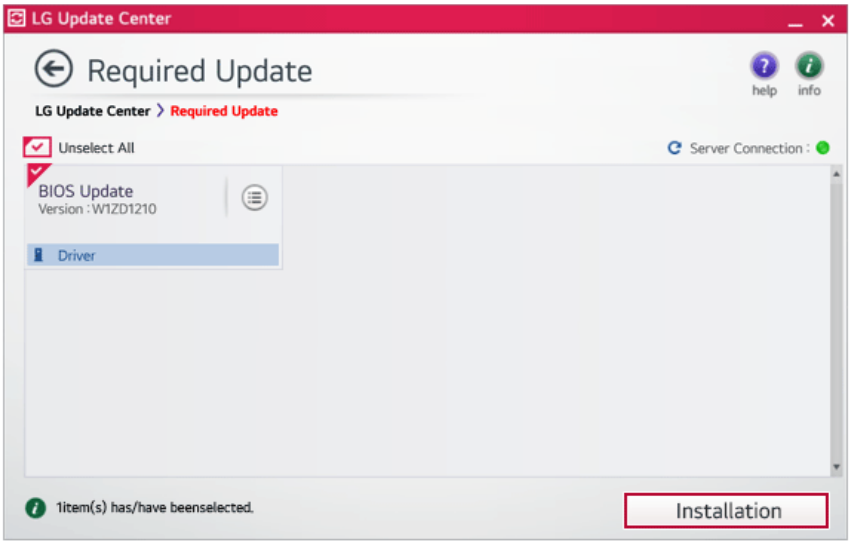
Required Update

You can install essential updates and drivers that are necessary for the system.

1 Select the [Required Update] menu.



2 When the **Required Update** list appears, select the updates to install and press the [Installation] button.



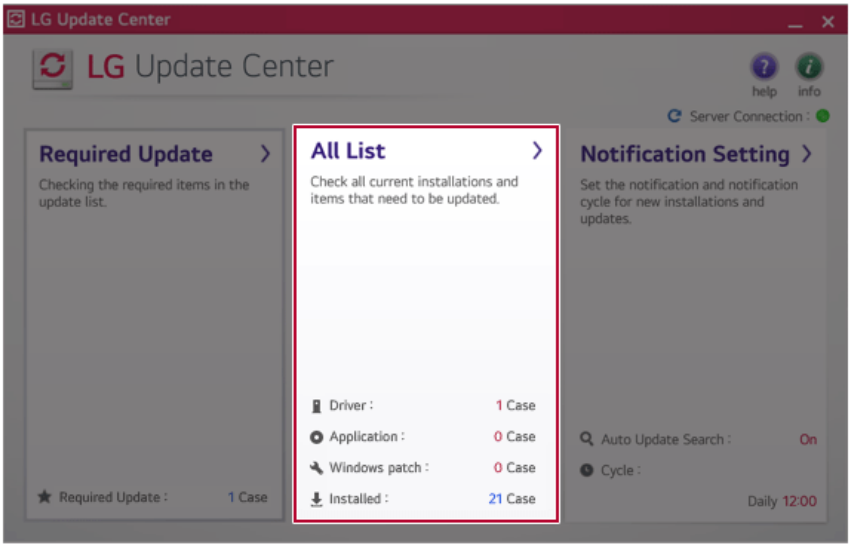
TIP

All items are selected by default.

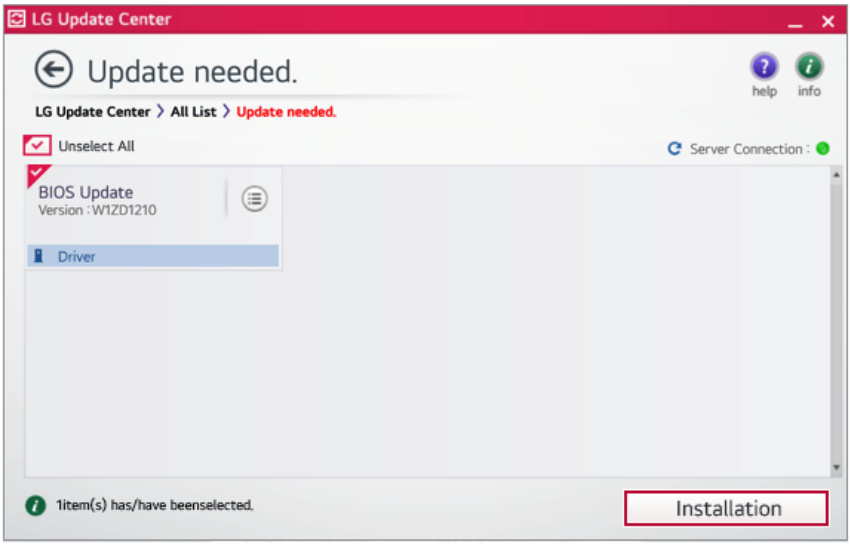
All List

You can install all updates and drivers that can be installed in the system.

1 Select the [All List] > [Update needed] menu item.



2 Select the updates to install and press the [Installation] button.



TIP

All items are selected by default.

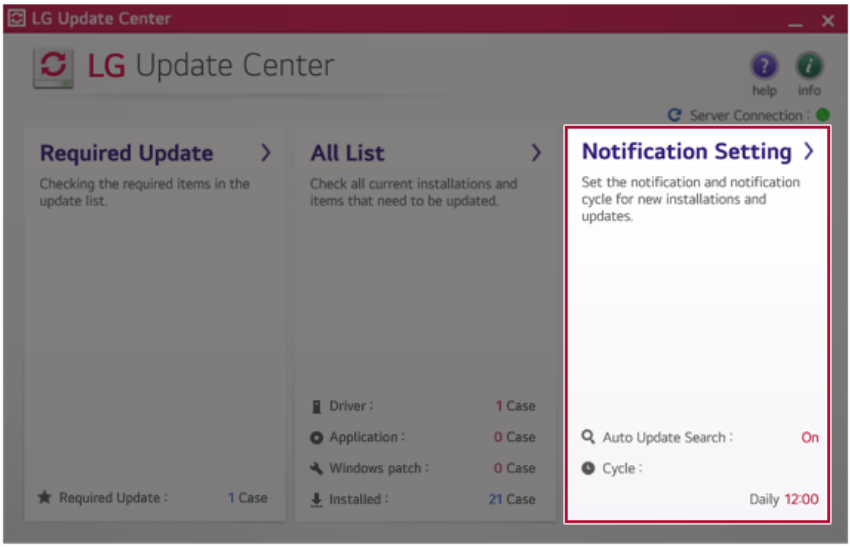
Notification Setting

You can check the critical updates to set whether to display the notifications for update installation.

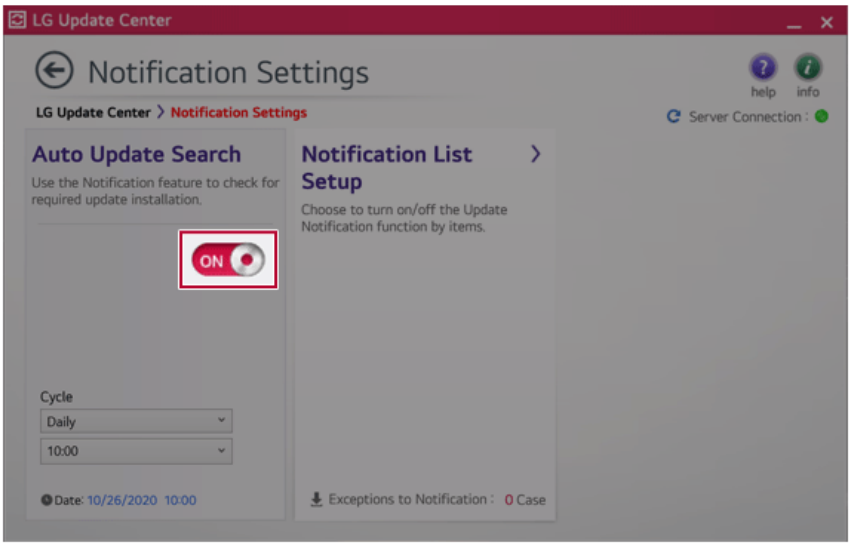
TIP

The Auto Update Search function is set to [ON] by default. If you set it to [OFF], the notifications are not displayed.

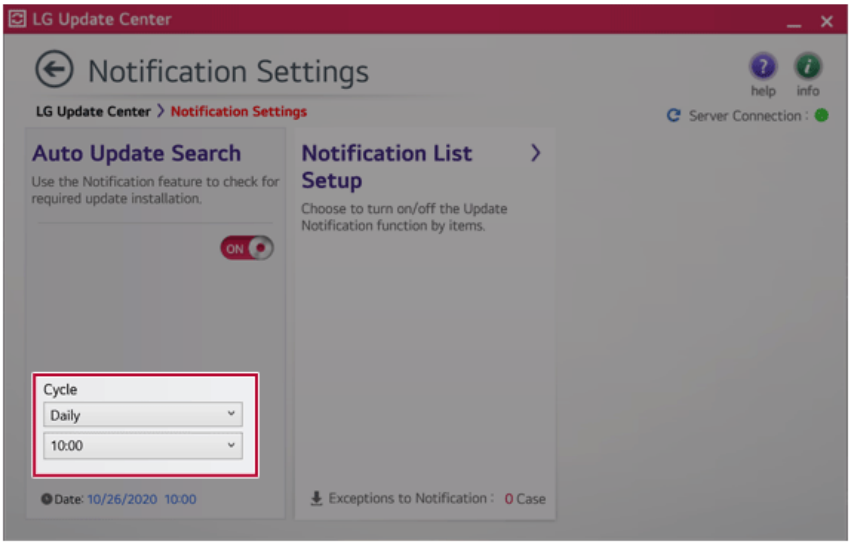
1 Select the [Notification Setting] menu.



2 Set [Auto Update Search] to [ON] or [OFF].



3 Set the [Cycle].



4 Select [Notification List Setup] menu to turn on/off the notification for each item.

FAQ

Q: Is there a way that I can install the drivers and applications easily?

- You can select [Required Update] or [All List] menu in **LG Update Center** to automatically install the drivers and applications that you want.

Q: The server connection status is not displayed in the program.

- Check if your PC is properly connected to the wired or wireless LAN.
- Check if Internet connection works properly.

Q: I want to hide the update notifications.

- Select the [Notification Setting] menu and set the [Auto Update Search] to [OFF].
- Select [Notification List Setup] menu to turn on/off the notification for each item.

Q: How can I update the items that are excluded from the notification list?

- You can also install the items that are excluded from the notification list by using the [Required Update] or [All List] menu.

LG Reader Mode

LG Reader Mode prevents the users from eyestrain and helps them to read the PC screen comfortably by displaying the screen just like a printed paper.

Using **LG Reader Mode**

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**.

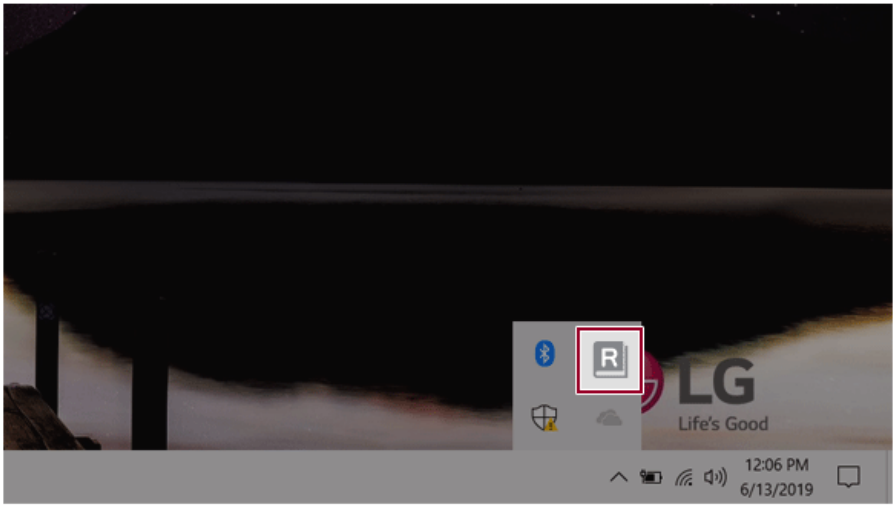
- Press the [ ] icon to the right of the taskbar to run the **Action Center** and press the **[Night light]** tile to turn on/off the **Night light**.

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**.

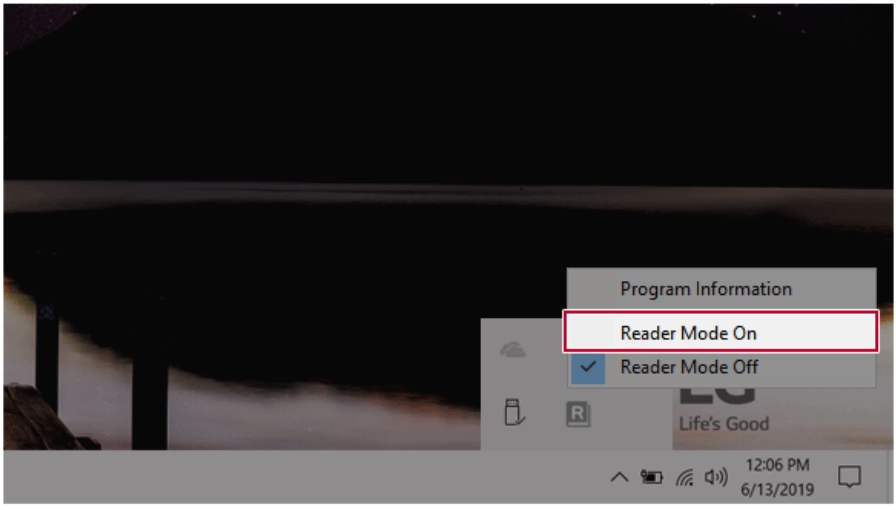
1 Press the [R] icon on the taskbar.



2 If you select the **[Reader Mode On]** menu item, the PC screen switches to **Reader Mode**.

TIP

Select **[Reader Mode Off]** to turn off the **reader mode**.

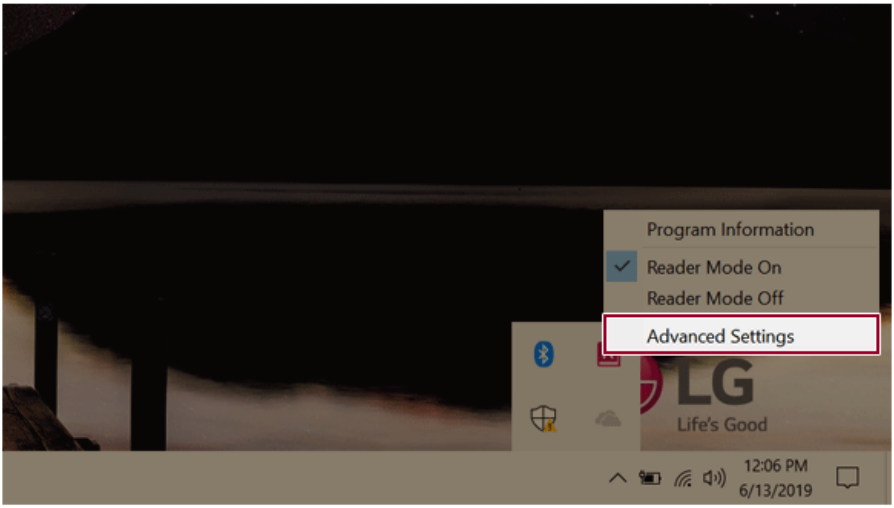


ENGLISH

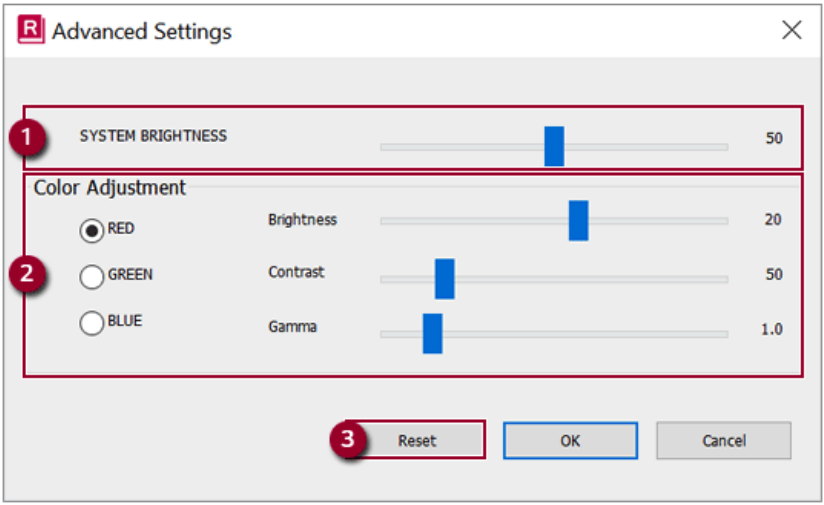
Using **Advanced Settings**

1 Click the icon [R] on the right of the taskbar and select the **[Advanced Settings]** menu item.

> Tip TIP
>
> The **[Advanced Settings]** menu is activated when **Reader Mode** is on.



2 The **[Advanced Settings]** windows appears.



a **System Brightness:** System brightness can be adjusted.

b **Color Adjustment:** Color and its **brightness, contrast and gamma** can be adjusted.

c **Reset:** Settings are reset to the default settings.

ENGLISH

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 Press the [ ] button to execute **[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.

ENGLISH

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

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.

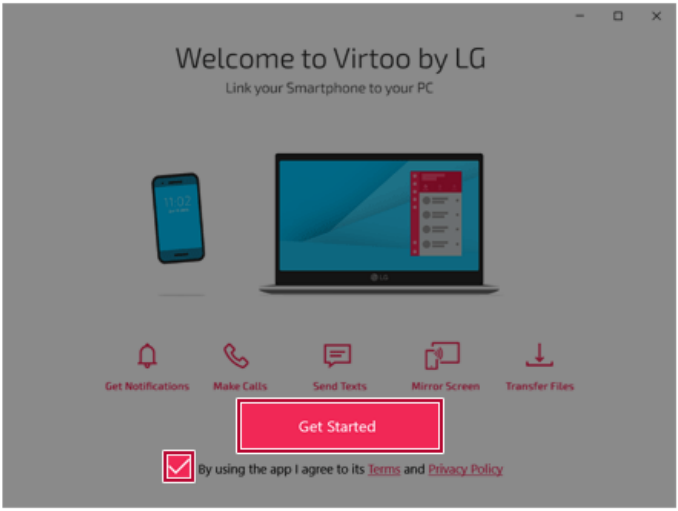
In order to use a dialer with a Microsoft **user's mobile phone**, you need to uninstall **Virtoo by LG** app and driver.

The figures herein are subject to change without prior notice.

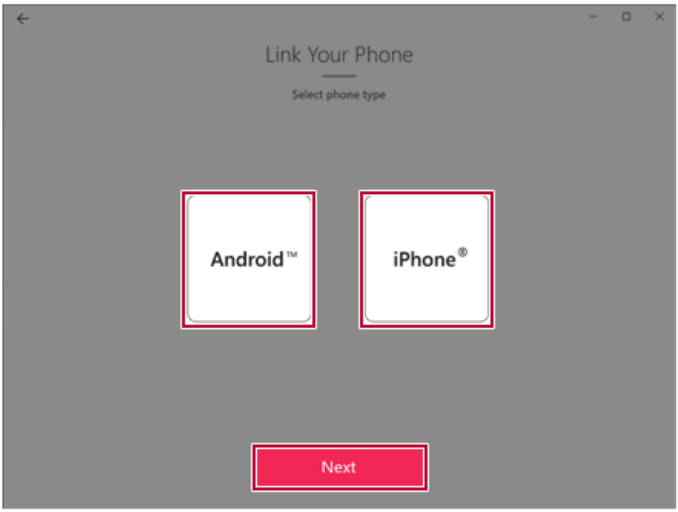
Connect to **Virtoo by LG**

1 Press the [ ] button to run **[Virtoo by LG]**.

2 Once **Virtoo by LG** is executed, agree to the terms and conditions and the privacy policy and click the **[Get Started]** button.



3 Select [Android] or [iPhone] and then click the [Next] button.



ENGLISH

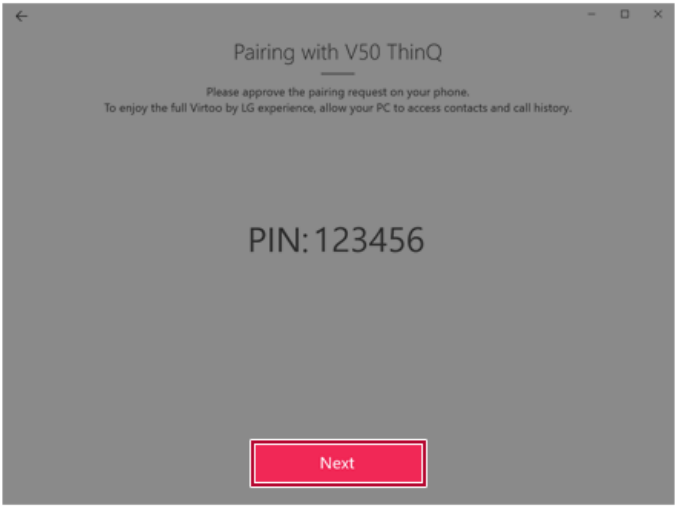
4 Follow the instructions to connect your smartphone and PC.

- **Android**

- **iPhone**

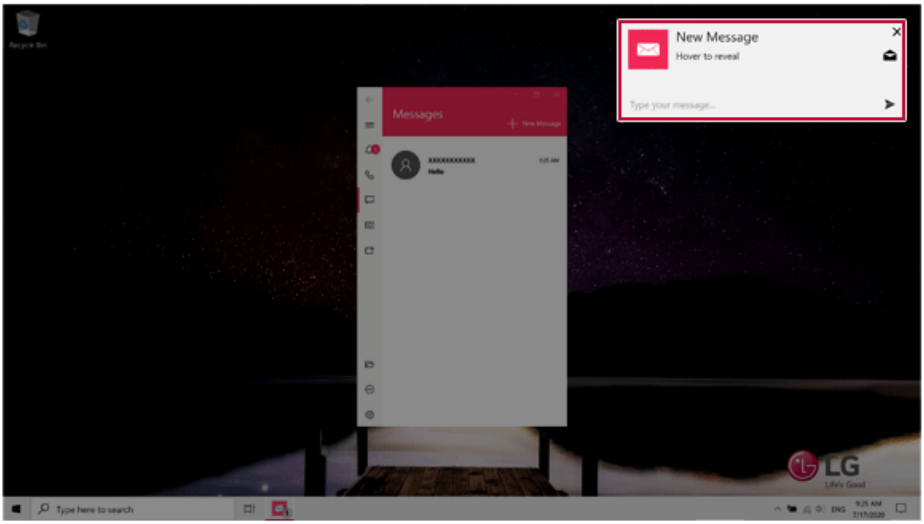
5 When an identical PIN Code appears on both PC and smartphone, tap the **[Register]** or **[Pair]** button on the smartphone.

6 On the PC, click the **[Next]** button to finish the connection.



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 Tour

1 **Notifications:** You can check your phone's notifications on the **Virtoo by LG** app screen.

2 **Phone:** Allows you to browse the contacts stored in your smartphone and send text or make a phone call to the contacts.

3 **Messages:** Allows you to send and receive text messages in a conversation format.

4 **Media:** Displays media files (Photos, Videos, Music, Docs) on your smartphone. You can drag a media file to share it between the smartphone and the PC. (iPhone does not support the sharing of music files and documents.)

5 **Mirroring:** Allows you to display the screen of the connected smartphone on your PC and access it from the PC.

6 **Downloads:** Opens the download folder of your PC.

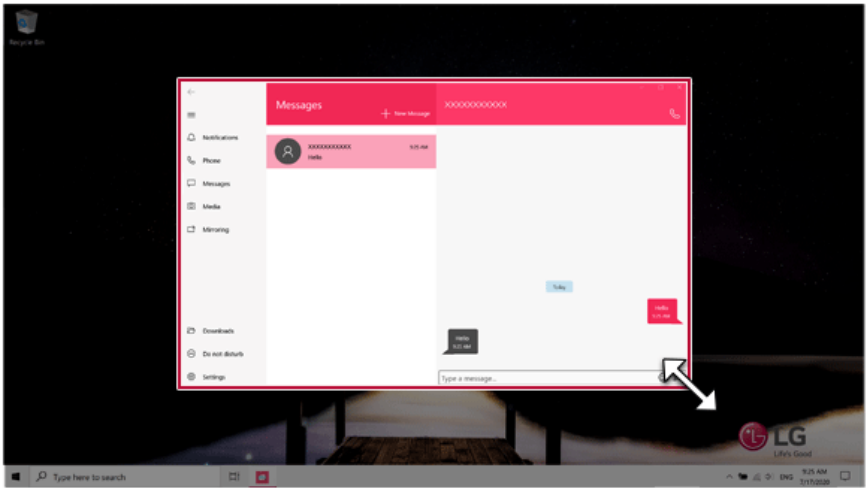
7 **Do Not Disturb:** Allows you to set smartphone notifications to be or not to be displayed on your PC. By default, the feature is "Off" (Notifications are displayed).

8 **Settings:** You can change app settings of **Virtoo by LG**.

ENGLISH

TIP

You can adjust the window size of the **Virtoo by LG** app on the PC.



Sharing Media Files (Photos, Videos, Music, Docs)

TIP

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

If you want to use the Share Media/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 music files and documents.

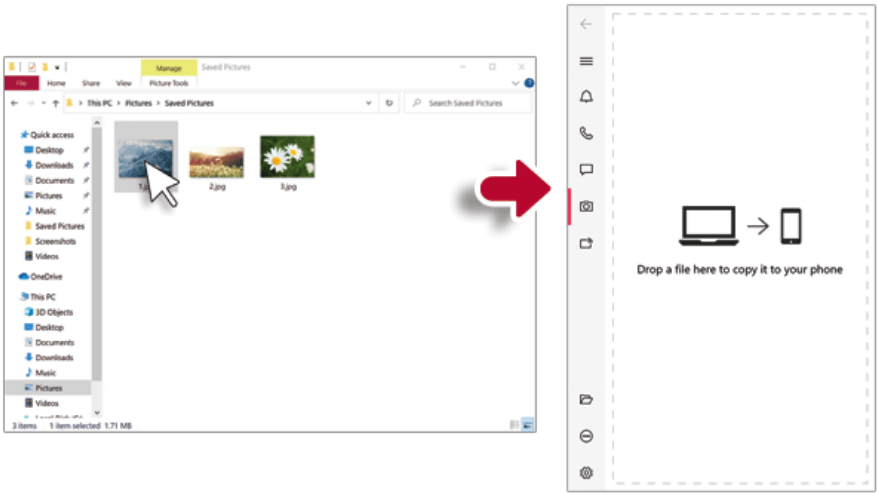
Storing PC Files on Your Smartphone

1 Drag and drop the files to share from your PC to the Media screen.

TIP

Android: Files sent to the smartphone are classified according to file types and stored in **[Internal Storage]** > **[Virtoo by LG]** > **Images / Videos / Audio / Other** folder.

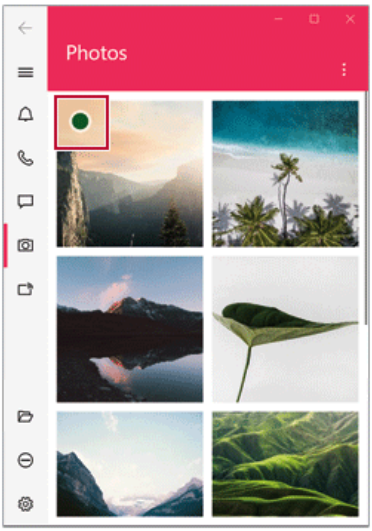
iPhone: Files sent to the smartphones are saved in the Album.



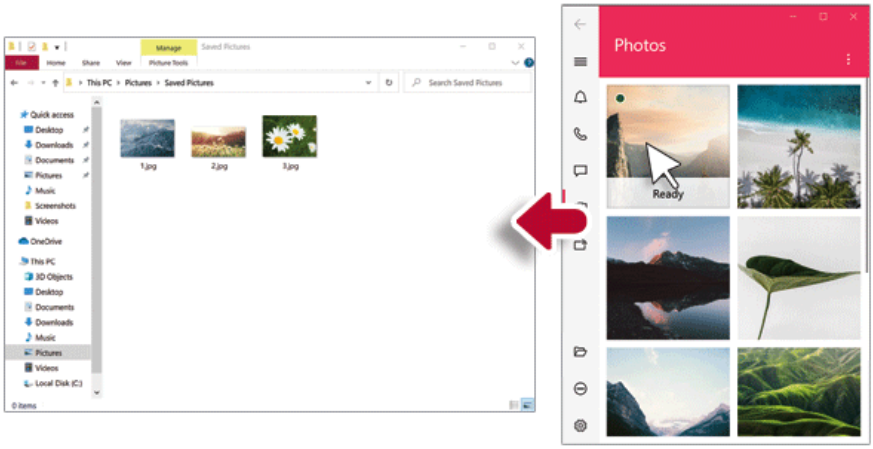
Storing Smartphone Files on Your PC

1 Select file to share from the Media screen.

2 Once the files are ready to be sent, a green circle [●] appears above the selected files.



3 You can check the files that are ready to be sent, or drag and save them to a desired location on the PC.



File Sharing with Mirroring

The mirroring must be enabled to use the file sharing feature.

TIP

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.

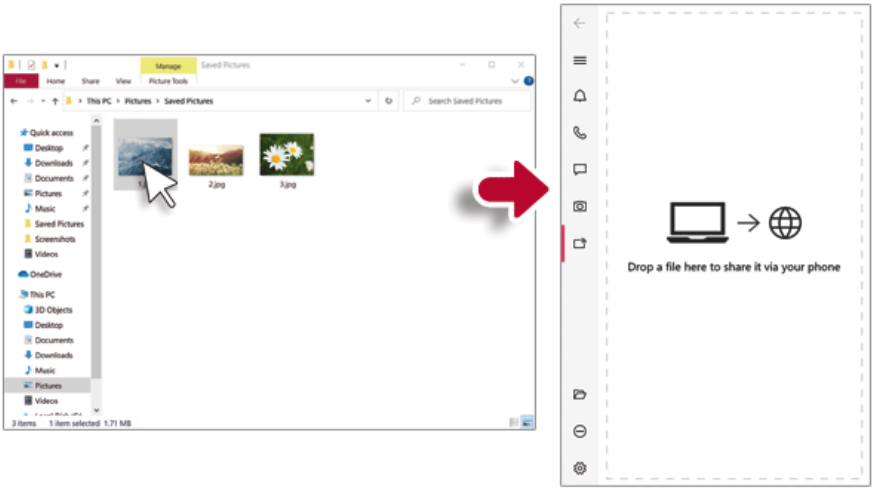
Files sent to the smartphone are classified according to file types and stored in **[Internal Storage]** > **[Virtoo by LG]** > **Images / Videos / Audio / Other** folder.

Files sent from your smartphone are stored in the [Download] folder of your PC.

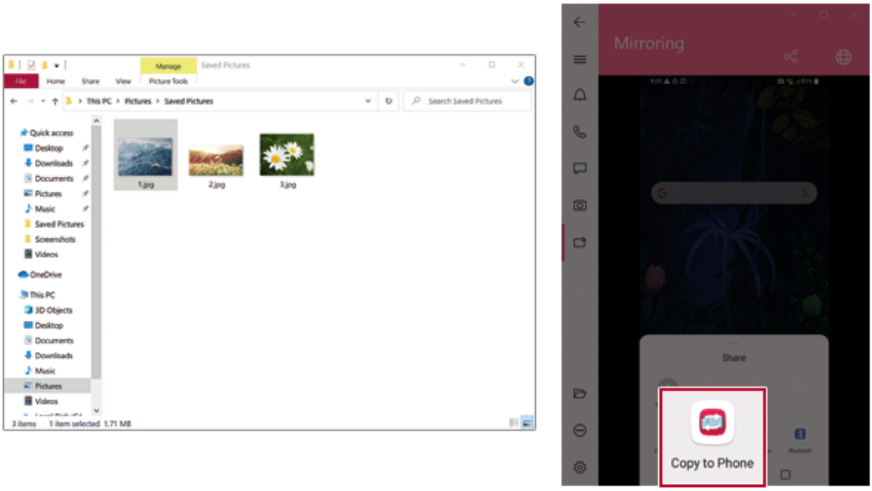
Storing PC Files on Your Smartphone

ENGLISH

1 Drag the files to share to the mirroring screen from your PC.



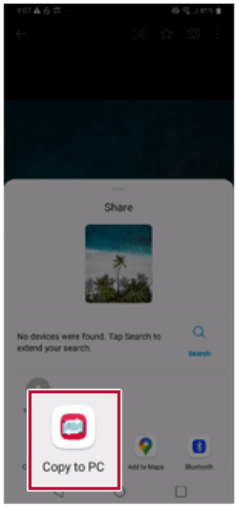
2 Click the [Copy to Phone] button to store the file(s) on your smartphone or click another app icon to share the file(s) on the app.



Storing Smartphone Files on Your PC

1 Select file(s) on your smartphone using a file browser and then tap the [Share] menu item.

2 Tap the [Copy to PC] button to transfer them to your PC.



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 Power Manager

LG Power Manager allows you to configure the power settings according to the usage environment to manage the battery efficiently.

TIP

LG Power Manager is provided with the UWP app and it can be downloaded again on the **Microsoft Store** if it is deleted. If you want to download the files again, connect to the **Microsoft Store**, search for **LG Power Manager** and install them.

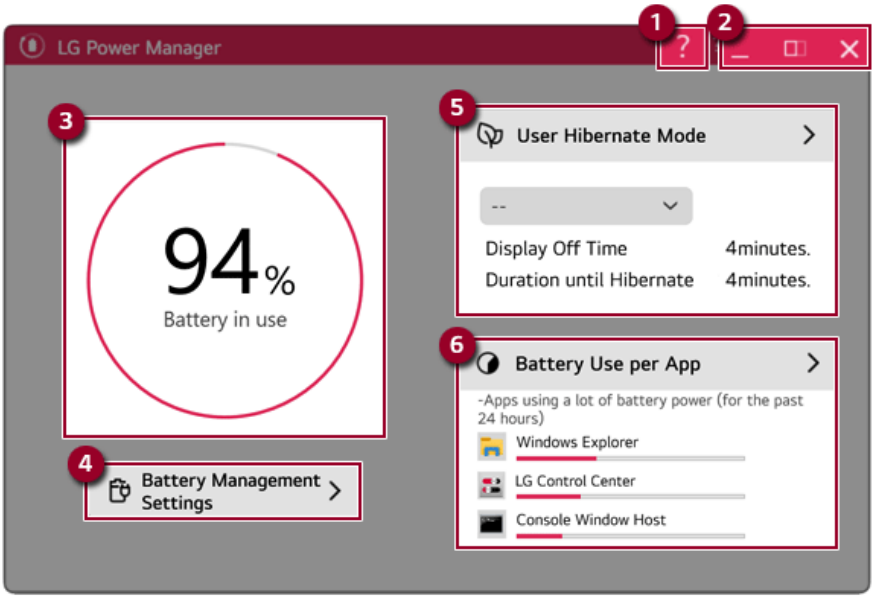
The figures herein are subject to change without prior notice.

Using **LG Power Manager**

Click the [ ] button to launch **[LG Power Manager]**.

TIP

Double-click the [ ] icon on the right side of the taskbar to start the **[LG Power Manager]**.



1 **Help button:** Displays the Help menu.

2 **Minimize/Maximize/Exit button:** Allows you to minimize or maximize the window or exit the program.

3 **Battery Status:** Displays the battery level and battery usage status including power connection.

4 **Battery Management Settings:** Allows you to set a window theme to Dark Mode or set the notification function for battery status.

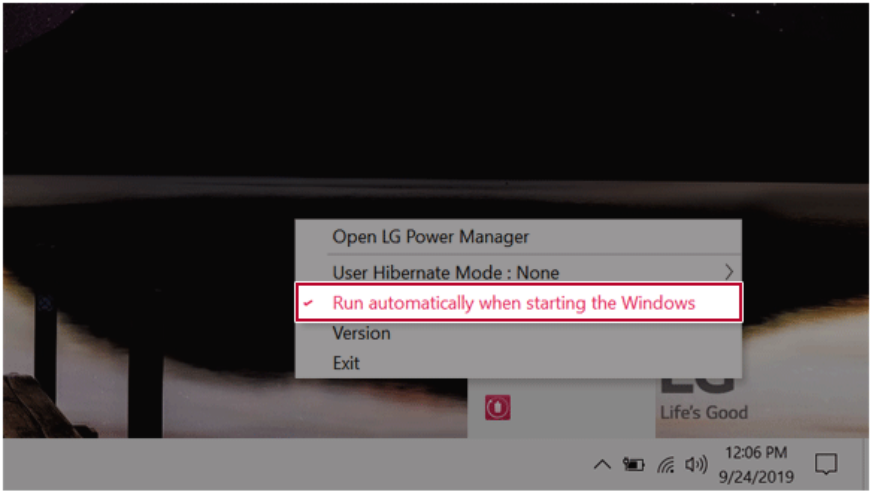
5 **User Hibernate Mode:** Allows you to create a user mode and configure the detailed settings such as Display Off Time and Duration until Hibernate.

6 **Battery Use per App:** Allows you to check the battery use of a running app.
The actual content may differ depending on the Windows OS version and usage environment. For more detailed information, click the menu.

TIP

LG Power Manager is set to run automatically when running Windows.

You can change the Autorun settings by right-clicking the [ ] icon on the right side of the taskbar and selecting the [Run automatically when starting the Windows] menu.



ENGLISH

Set custom Hot Keys

Set Custom Hot Keys helps users quickly access the desired app or website.

TIP

Set Custom Hot Keys is available only if **LG On Screen Display 3** is installed.

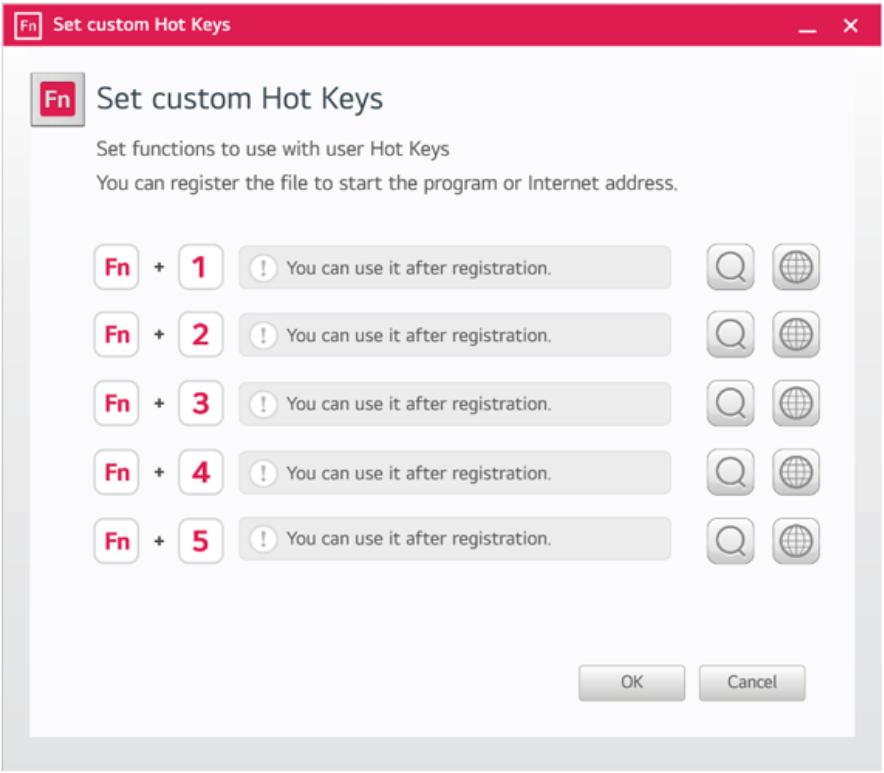
LG On Screen Display 3 may be installed through **LG Update Center**.

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

The figures herein are subject to change without prior notice.

Running **Set Custom Hot Keys**

Double-click the [ ] icon in the lower right corner of the task bar to run **[Set Custom Hot Keys]**.



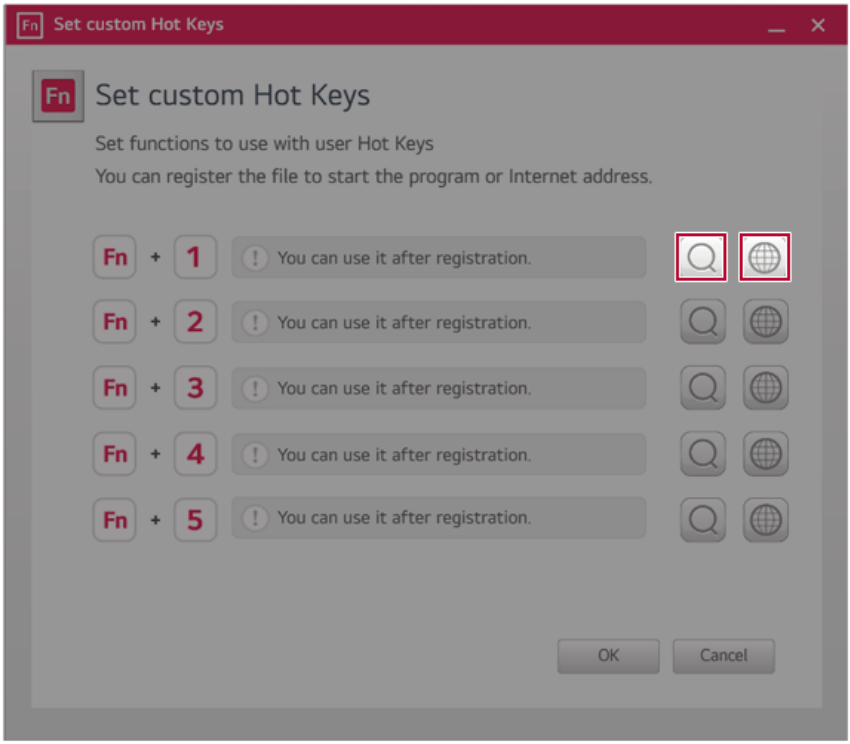
Setting Hot Keys

TIP

Hot Keys can be set from 1 to 5.

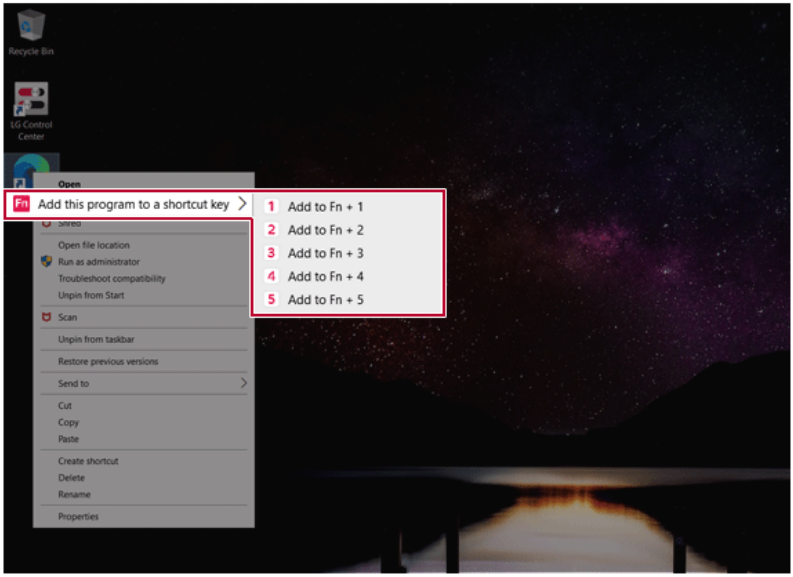
ENGLISH

1 On the Hot Keys Settings List, tap the navigation icon [ ] or Internet icon [ ] to register the desired app or Internet address.

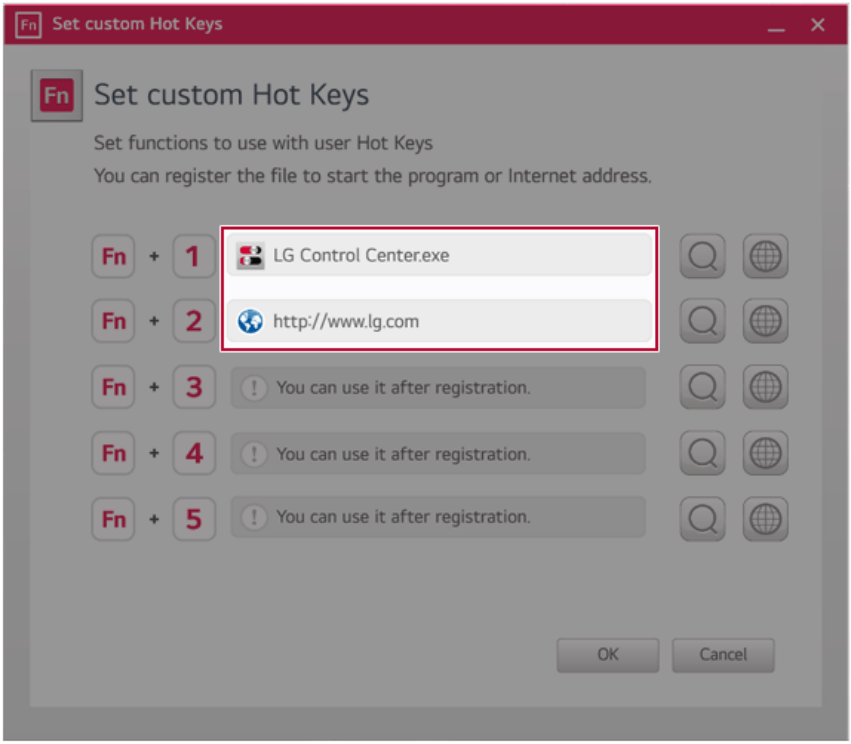


TIP

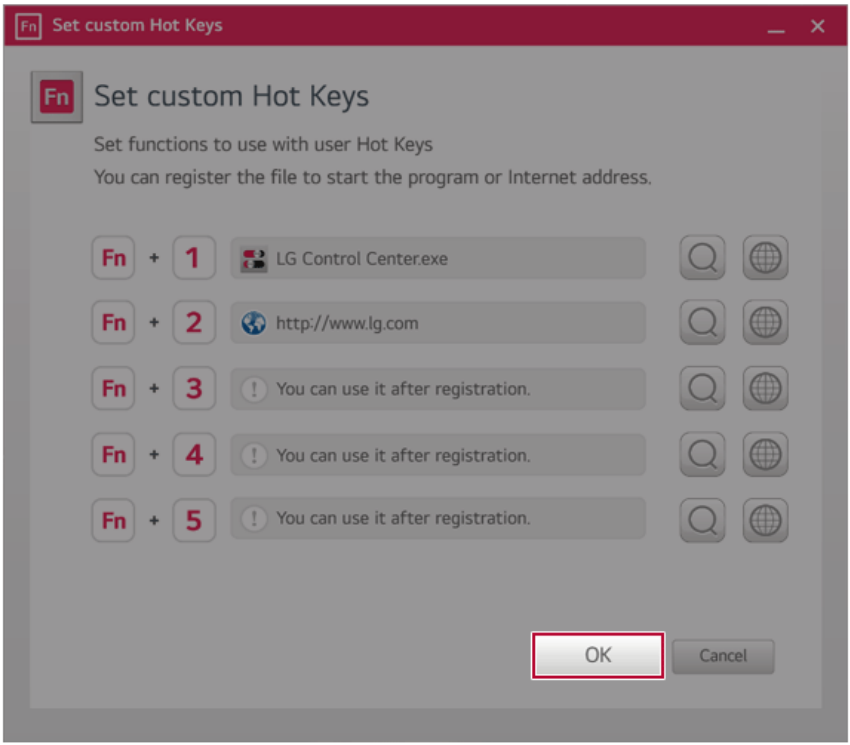
After selecting the app-running file, right-click the mouse and use the [Add this program to a shortcut key] menu to register the app quickly.


Recycle Bin
LG Control Center
Open
Fn Add this program to a shortcut key
1 Add to Fn + 1
2 Add to Fn + 2
3 Add to Fn + 3
4 Add to Fn + 4
5 Add to Fn + 5
Open file location
Run as administrator
Troubleshoot compatibility
Unpin from Start
Scan
Unpin from taskbar
Restore previous versions
Send to
Cut
Copy
Paste
Create shortcut
Delete
Rename
Properties

2 When registration is complete, it is displayed on the settings list.



3 Press [OK] to complete the setup.



ENGLISH

Restoring the System

Restoring the System

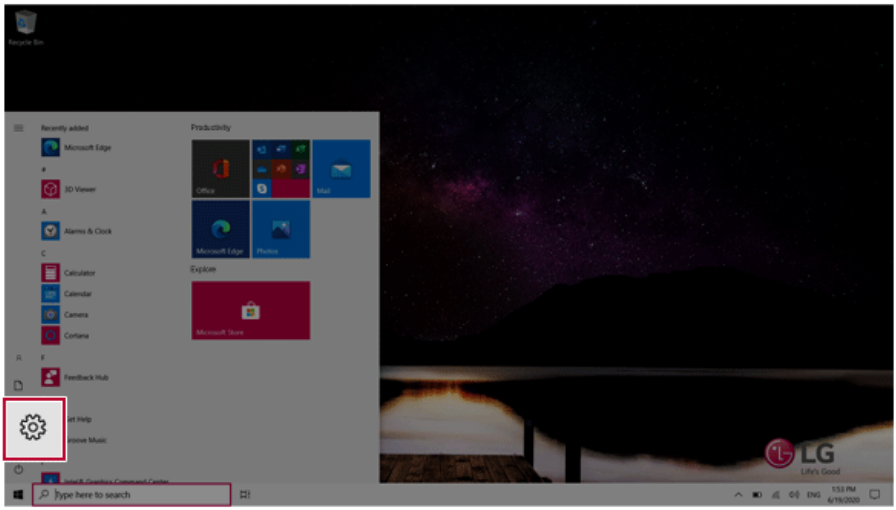
If the system has an error, you can use Windows 10's recovery function to recover or restore the system to its initial pre-purchase state.

CAUTION

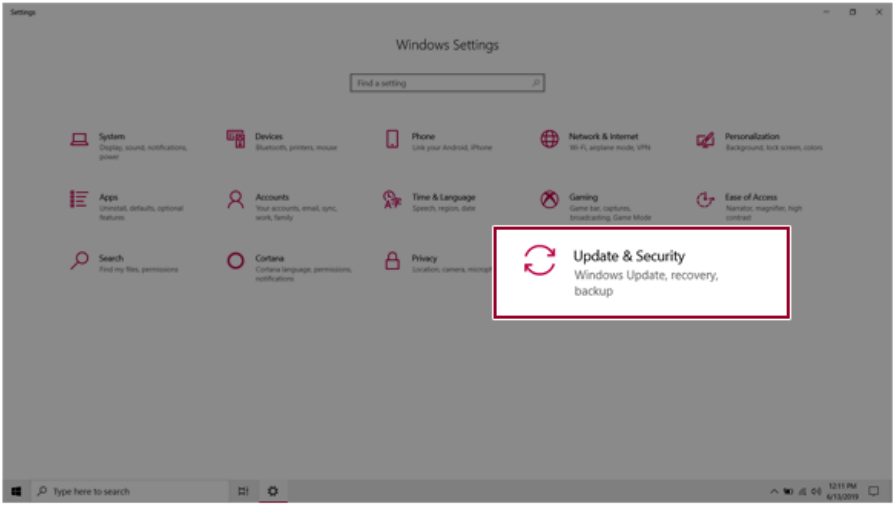
If you have deleted the restoration data in the protected area of the disk, or have arbitrarily installed another operating system, the restore function may not work.

To recover the system, the AC adapter must be connected.

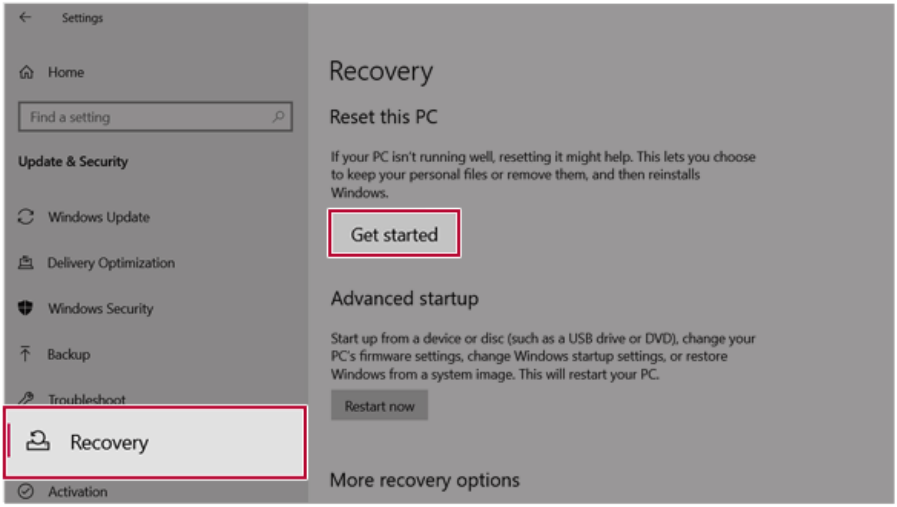
1 Click the [ ] button and select the [Settings] menu.



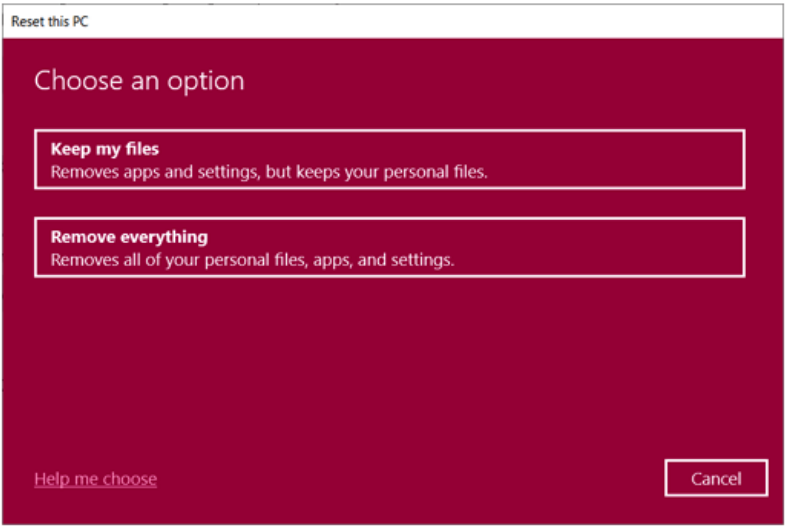
2 When the [Settings] screen appears, select [Update & Security].



3 Select the [Recovery] menu and press [Get started] in the **Reset this PC** menu.



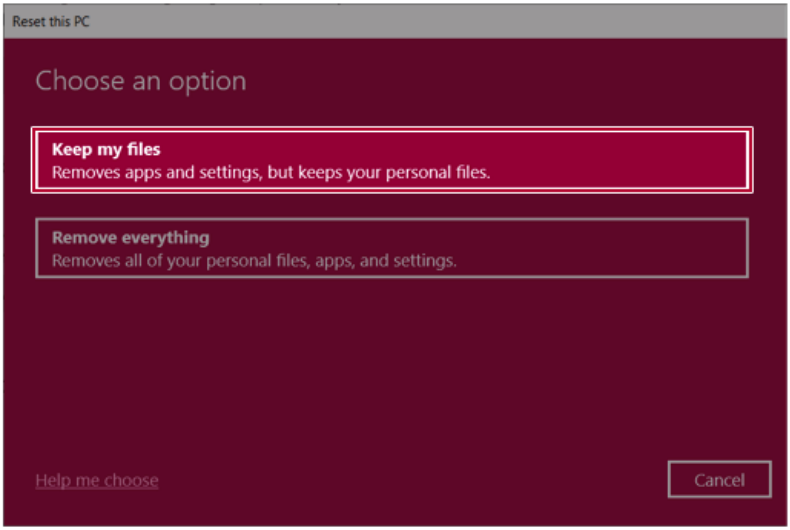
4 If the following option screen appears, select a desired option to proceed with recovery.



Keep My Files

It removes the apps and their settings without loss of personal files.

1 Select [Keep my files].



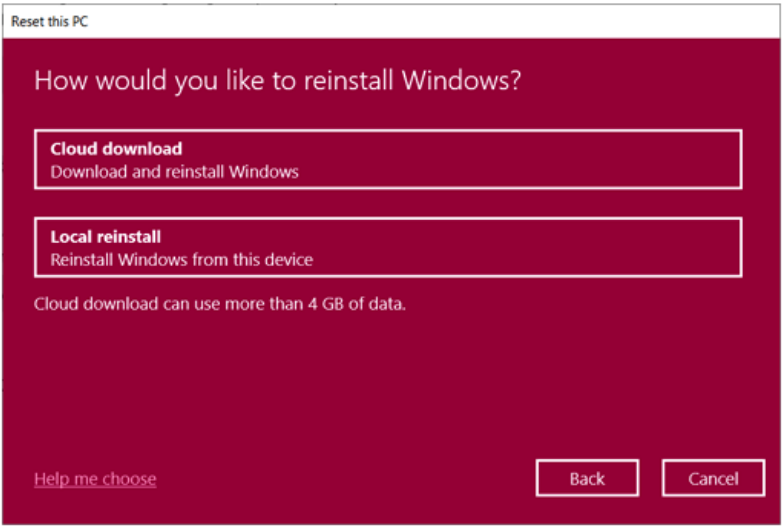
2 Select How to Reinstall Windows.

TIP

If the PC is not connected to the Internet, the screen for selecting Windows installation method does not appear.

[Cloud download] is a menu for downloading **Windows** from **Microsoft** Cloud Server and reinstalling it.

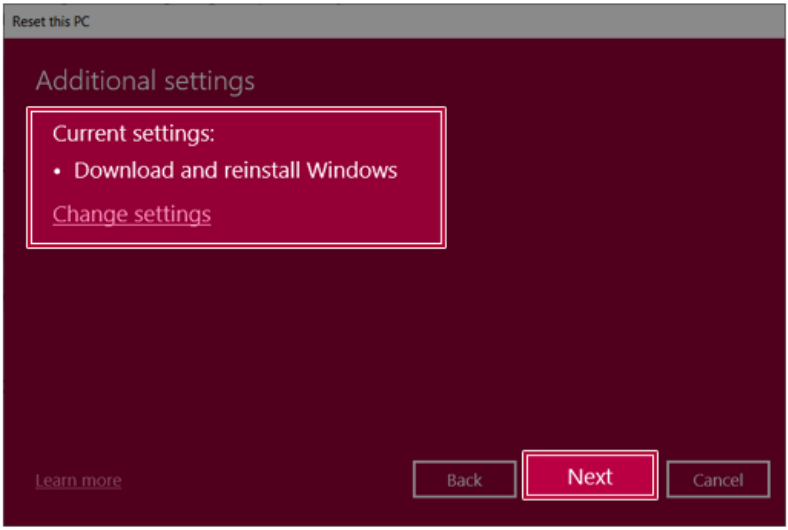
The required time may vary depending on the Internet speed.



3 Check the current settings and click [Next] to perform the recovery according to the instructions.

TIP

If you need to change the settings, click [Change settings] and change the settings.



Remove everythings

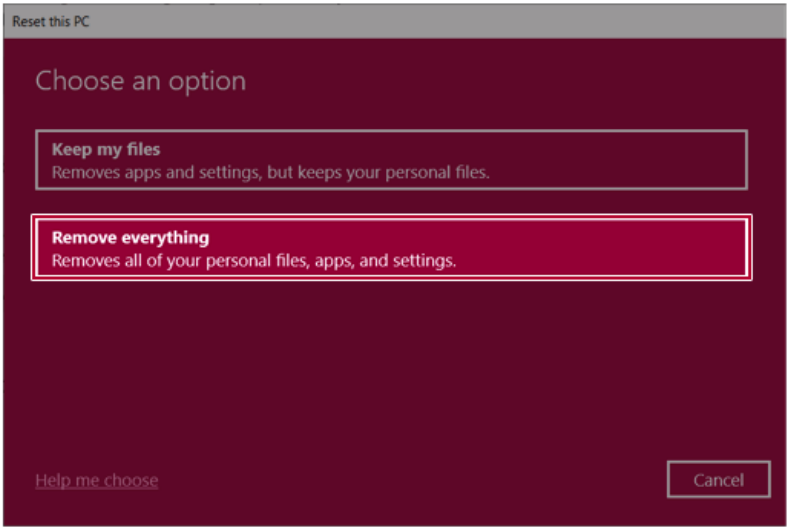
Removes all items from the system and restores the system to its initial pre-purchase state.

CAUTION

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

It may take about 5 hours or longer depending on the system conditions.

1 Select [Remove everything].



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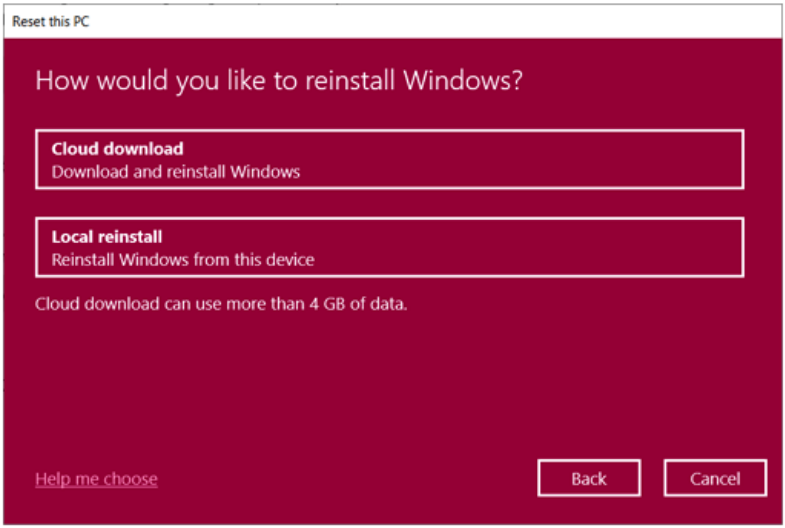
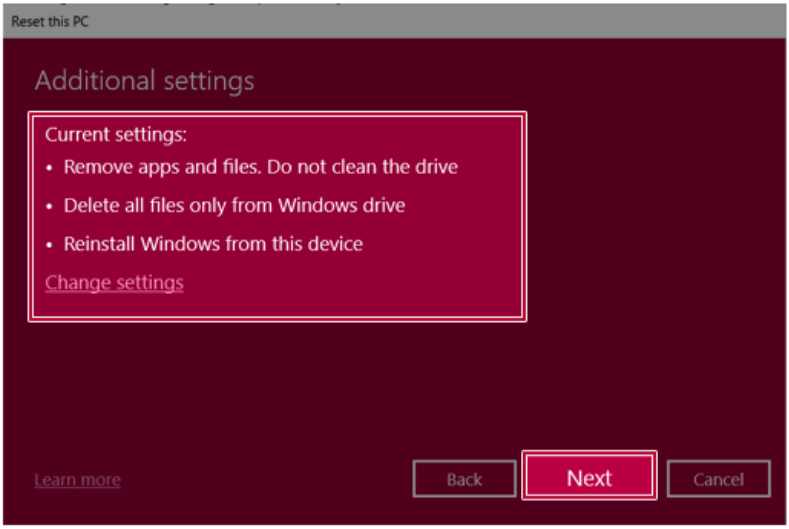
The required time may vary depending on the Internet speed.



3 Check the current settings and click [Next] to perform the recovery according to the instructions.

TIP

If you need to change the settings, click [Change settings] and change the settings.



LG Recovery Center RE

If booting is impossible due to an error with the system, you can recover the system using **LG Recovery Center RE**.

TIP

It is recommended that you create a recovery drive in case a serious error occurs in the system.

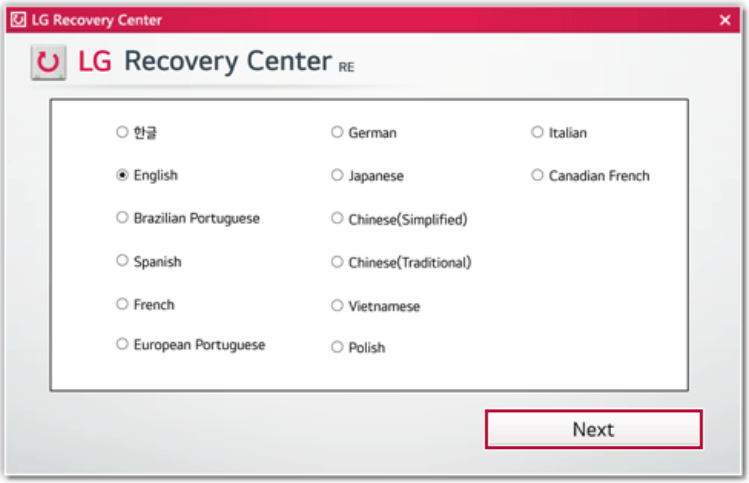
CAUTION

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

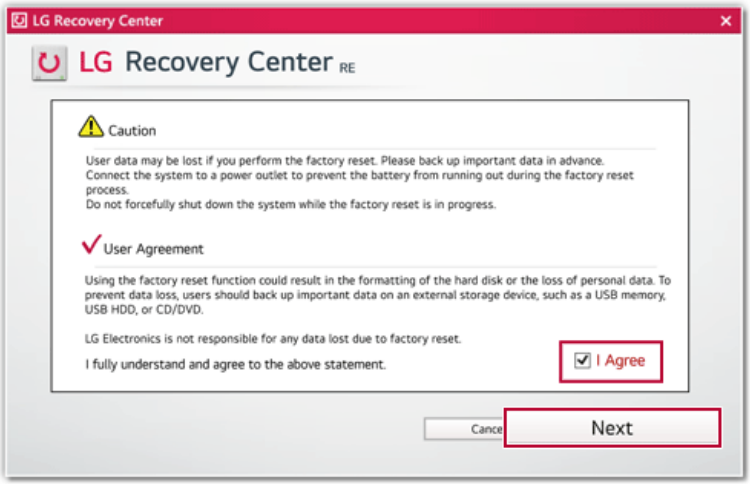
All data is lost during the initialization, so you must backup all critical data in advance.

1 Turn on the PC and press [F11].

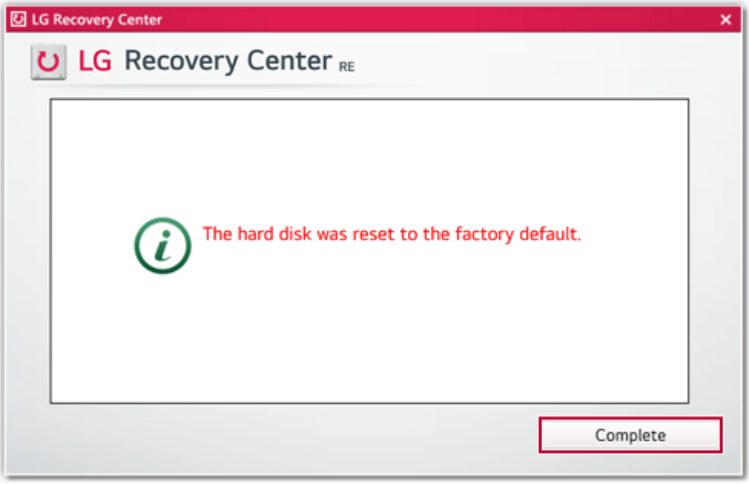
2 Once **LG Recovery Center RE** is started, select a language and press the [Next] button.



3 When the cautions and user agreement screen appears, check the [I Agree] button and press the [Next] button.
For recovery, the power adapter must be connected. Connect the system power and then recover the system.



4 When factory reset is complete, press the [Complete] button to restart the system.



Recovery Drive

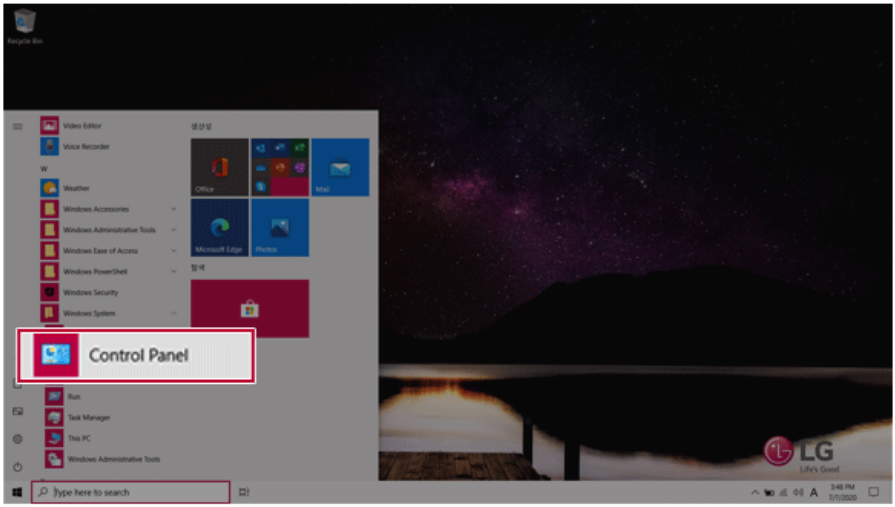
Creating Recovery Drive

Create a recovery drive in case **LG Recovery Center RE** is unable to recover the system.

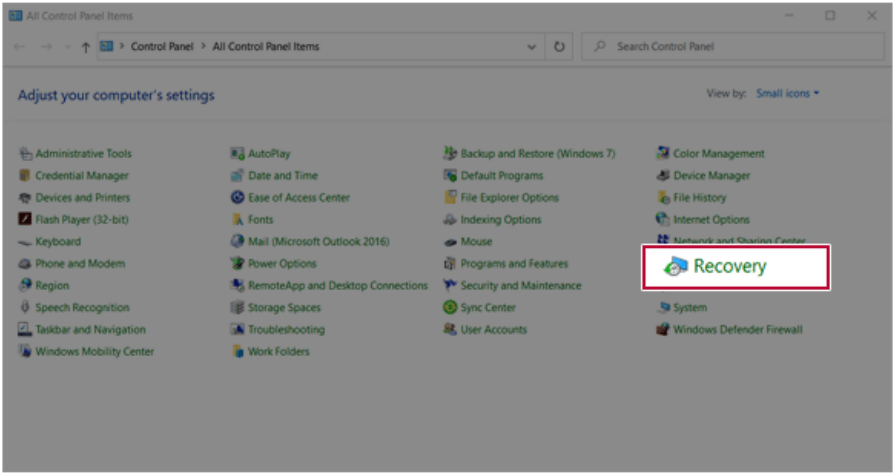
TIP

This process may delete all data on the storage device designated as the recovery drive. Make sure to back up all important data in advance.

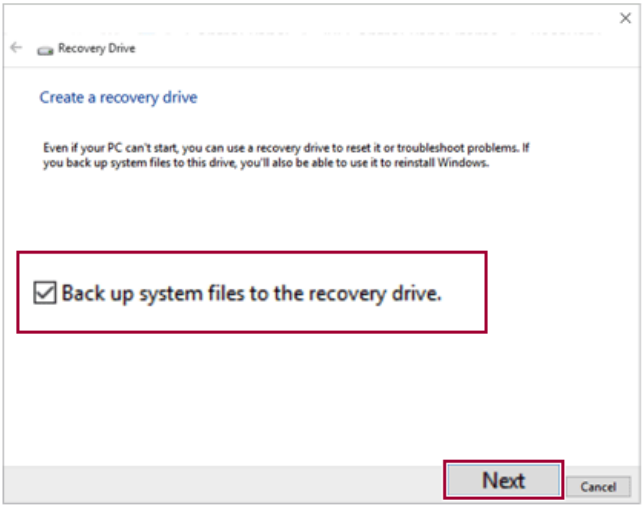
1 Press the [ ] > **[Windows System]** button and run **[Control Panel]**.



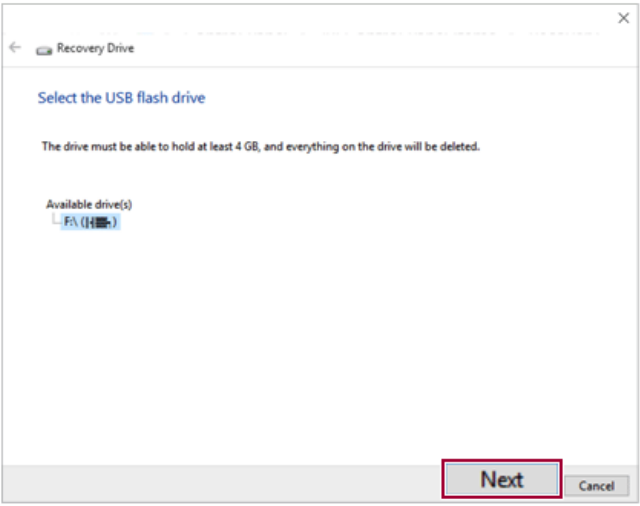
2 Press [Recovery] in the control panel and select [Create a recovery drive].



3 When the recovery drive creation screen appears, check [Back up system files to the recovery drive] and press the [Next] button.



4 Select the USB flash drive to use and press [Next] to create a recovery drive.



5 Once the storage device is ready, press [Finish] to complete the creation of the recovery drive.

Using Recovery Drive

In case **LG Recovery Center RE** is unable to recover the system, you can use the recovery drive to recover the system.

CAUTION

All data may be lost depending on the user settings during the system recovery.

1 Connect the recovery drive to the USB port of the PC.

2 Turn on the PC and press [F10] several times.

3 When the screen for selecting the boot device appears, select the connected recovery drive and press [Enter].

4 Set the language and select the [Troubleshooting] menu.

5 Select the item you want and recover the system by following the instructions.

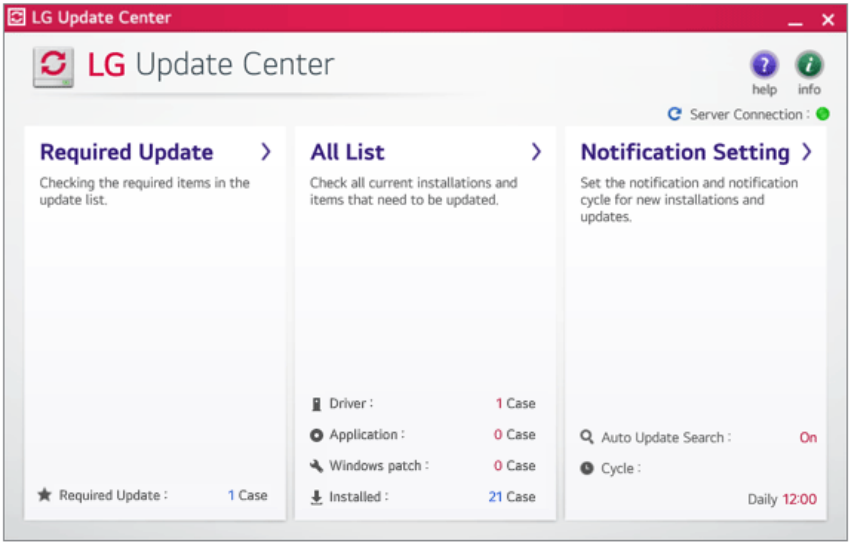
Setup and Upgrade

Installing the Driver

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

Using **LG Update Center** to install the Driver

1 Select the [ ] button > [LG Software] to run **[LG Update Center]**.



2 Select **[Required Update]** or **[All List]** to install the driver.

TIP

You can use the **LG Update Center** to quickly install the latest drivers, or reinstall any deleted drivers.

Use **LG Update Center** to keep your system current and optimized.

How to Download **LG Update Center**

You can install **LG Update Center** by downloading it from the 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 hard disk 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.

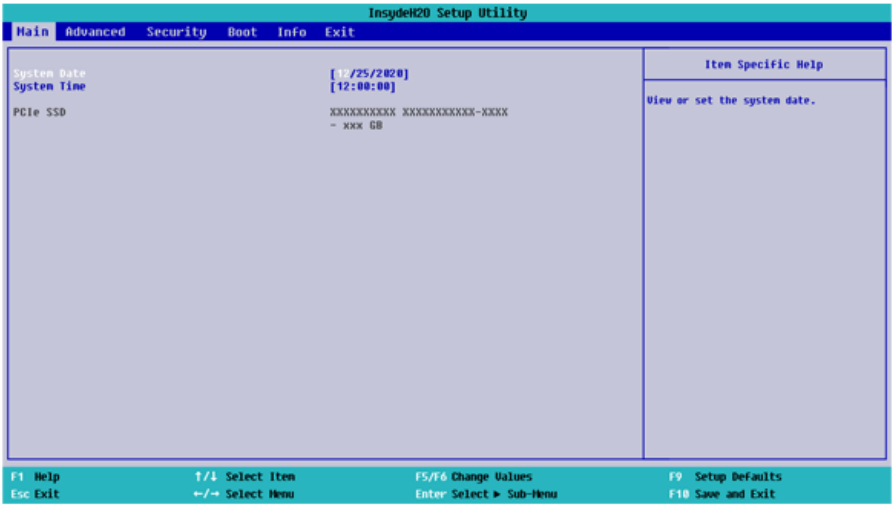
CAUTION

- 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.

ENGLISH

1 Reboot the system and press [F2].

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.
F5, F6	Increases or decreases the item value.
F10	Saves the new settings or exits the system setup.

ENGLISH

Setting the Password

This process is to set a password so that other people cannot use the PC 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

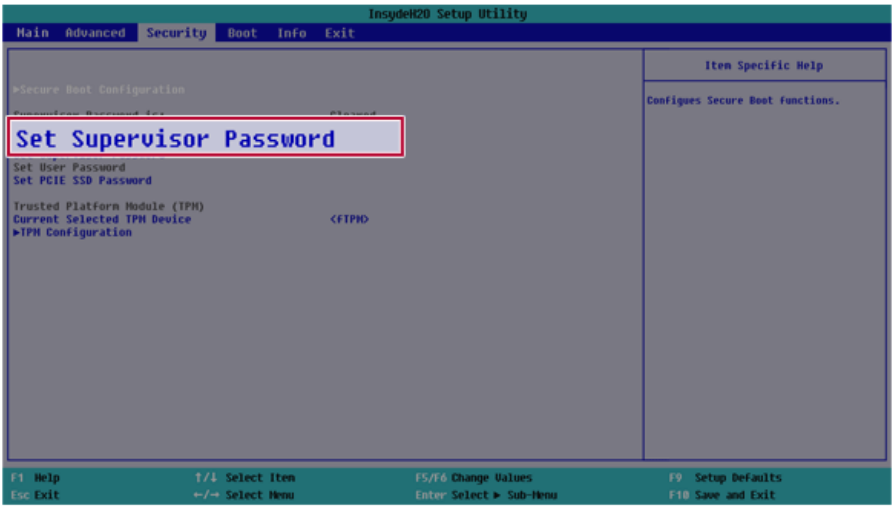
- Without the registered password, access to the system will be denied. Write down and keep the password in a safe place.

Set Supervisor Password

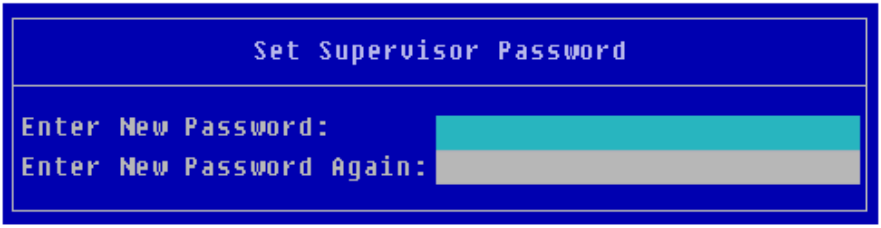
The password prevents unauthorized people from accessing the PC. By default, no password is set for the machine. If an unauthorized person changes the password in the System Setup, you will be unable to access the system.

1 After opening the system setup screen, use the arrow keys to move to **[Security]**.

2 When the **Security** item appears, select **[Set Supervisor Password]** using the arrow keys, and then press the [Enter] key.



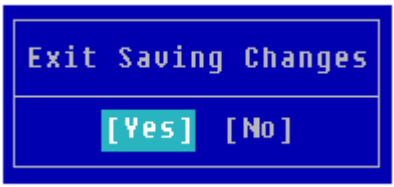
3 When the Password Setting screen appears, enter a password and press the [Enter] key. The password should not exceed 20 characters and should consist of English letters (A - Z), numbers (0 - 9), and special characters or a combination of them.



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

5 To save the changes in the system setup, press [F10].

6 When a pop-up window appears, select **[Yes]** and press the [Enter] key. The PC will restart.



TIP

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

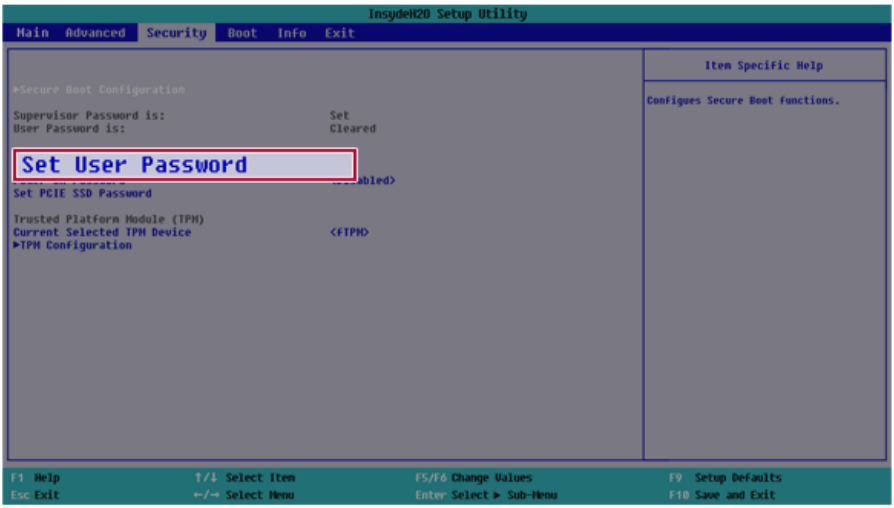
ENGLISH

Set User Password

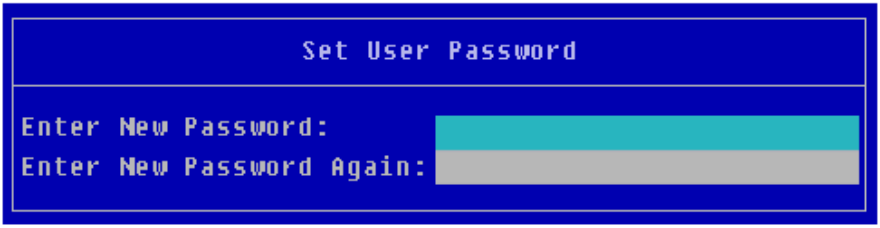
The password set by the **Set User Password** process is lower in level than that set by the **[Set Supervisor Password]** process, and so the user can use the **[Set User Password]** only after setting a password in the **[Set Supervisor Password]** menu.

1 After opening the system setup screen, use the arrow keys to move to **[Security]**.

2 When the **Security** item appears, press the [Enter] button in the **[Set User Password]** menu.



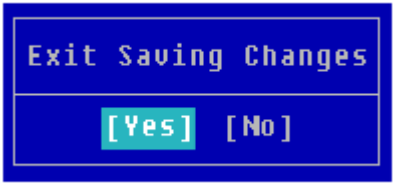
3 When the Password Setting screen appears, enter a password and press the [Enter] key. The password should not exceed 20 characters and should consist of English letters (A - Z), numbers (0 - 9), and special characters or a combination of them.



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

5 To save the changes in the system setup, press [F10].

6 When a pop-up window appears, select **[Yes]** and press the [Enter] key. The PC will restart.



TIP

- **[User Password]** allows limited access to the items in the System Setup compared to the **[Supervisor Password]** item.

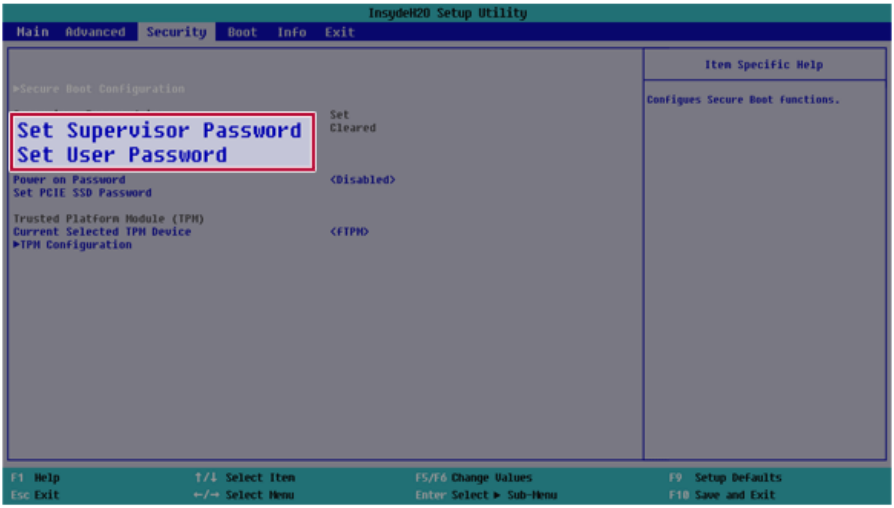
Power on Password

Power on Password protects the system by requesting **[Set Supervisor Password]** or **[Set User Password]** during boot up.

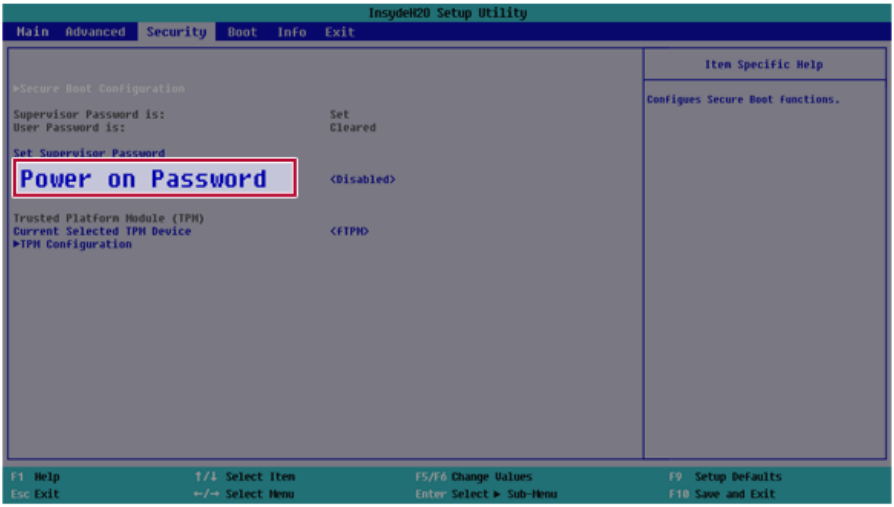
1 After opening the system setup screen, use the arrow keys to move to **[Security]**.

ENGLISH

2 When the **Security** item appears, set a password for **[Set Supervisor Password]** or passwords for both **[Set Supervisor Password]** and **[Set User Password]**.



3 The popup screen will show up, after selecting **[Power on Password]** and press [Enter]. After selecting **[Enabled]** and press [Enter], **[Power on Password]** will be complete.



Set PCIE SSD Password / SATA SSD Password

TIP

Some models installed with **PCIE SSD** may not support the password settings.

Depending on the model, the menu name may be displayed as **PCIE SSD Password**, **SATA SSD Password**, etc.

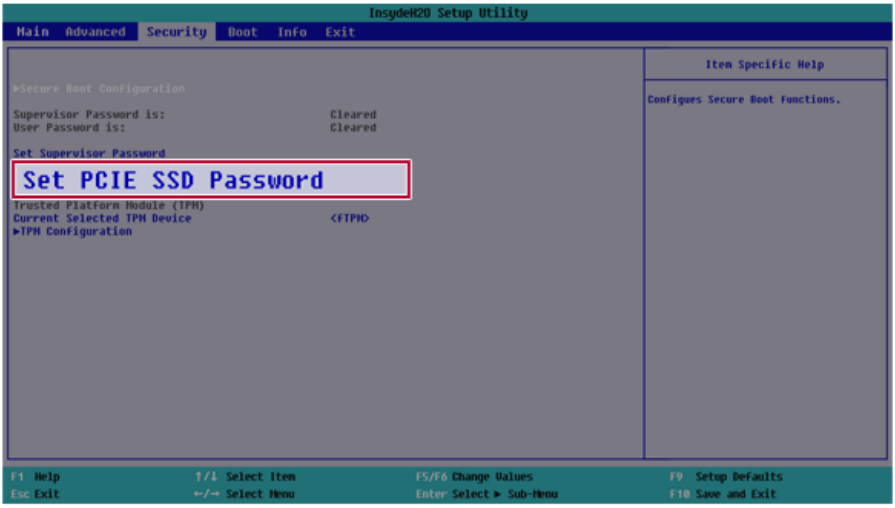
For models equipped with two **PCIE SSD** devices installed, the menu names are displayed as **PCIE SSD1**, **PCIE SSD2**, and if **PCIE SSD** and **SATA SSD** are installed, they are displayed as **PCIE SSD**, **SATA SSD**, etc.

For models with two **PCIE SSD** or **SATA SSD** devices, you can set a password for each device. If you set passwords for both, the password input window will appear twice during booting.

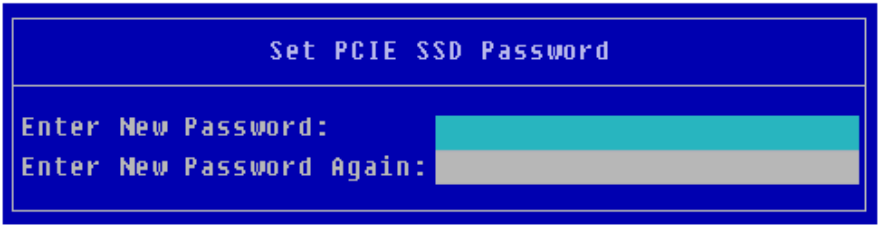
The password input windows appear according to the **[Boot Type Order]** in the **[Boot]** menu.

1 After opening the system setup screen, use the arrow keys to move to **[Security]**.

2 When the **Security** item appears, select **[Set PCIE SSD Password]** using the arrow keys and press the [Enter] key.



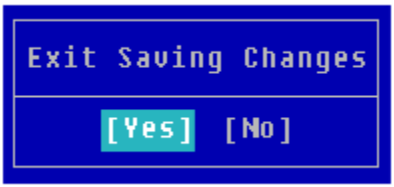
3 When the Password Setting screen appears, enter a password and press the [Enter] key. The password should not exceed 20 characters and should consist of English letters (A - Z), numbers (0 - 9), and special characters or a combination of them.



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

5 To save the changes in the system setup, press [F10].

6 When a pop-up window appears, select **[Yes]** and press the [Enter] key. The PC will restart.



CAUTION

If you forget your SSD Password, you cannot restore the SSD.

- Please note that the replacement of SSD due to a forgotten **SSD Password** is not covered by the warranty.

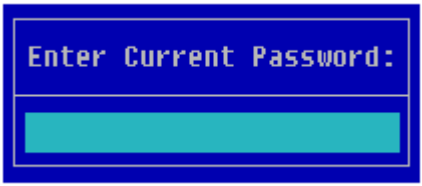
Changing or Deleting the Password

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 Password

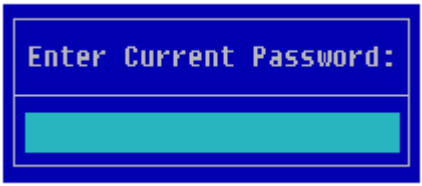
1 Execute System Setup, enter the password, and click [Enter].



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

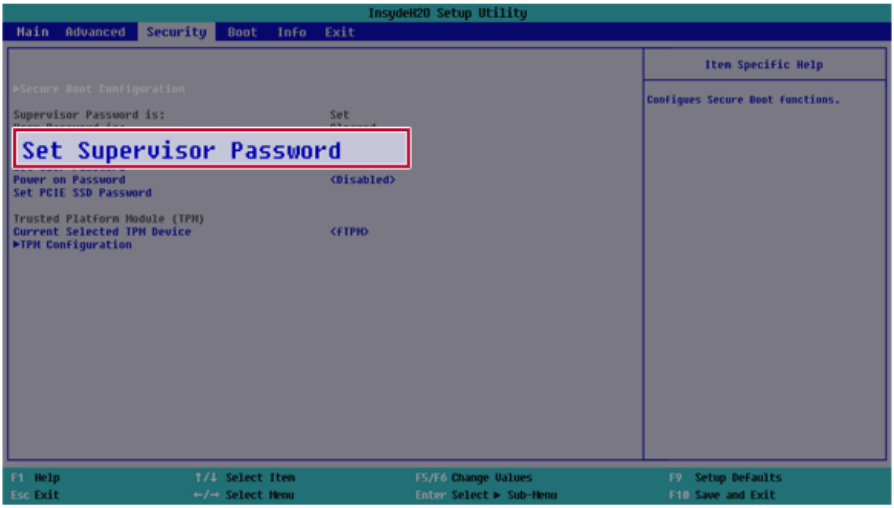
Deleting the Password

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

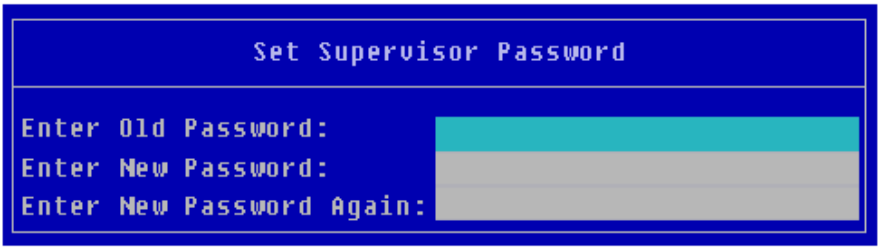


ENGLISH

2 After moving **[Security]** by using the arrow keys from the setup start screen, click **[Set Supervisor Password]** and press [Enter].



3 When the Password setting change screen appears, enter the current password in the **[Enter Old Password]** field.

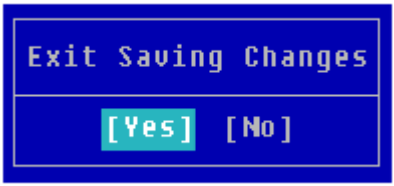


4 Press the [Enter] key in **[Enter New Password]** and in **[Enter New Password Again]**.

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

6 To save the changes in the system setup, press [F10].

7 When a pop-up window appears, select **[Yes]** and press the [Enter] key. The PC will restart.



ENGLISH

Deleting the Password (Set PCIE SSD Password / SATA SSD Password)

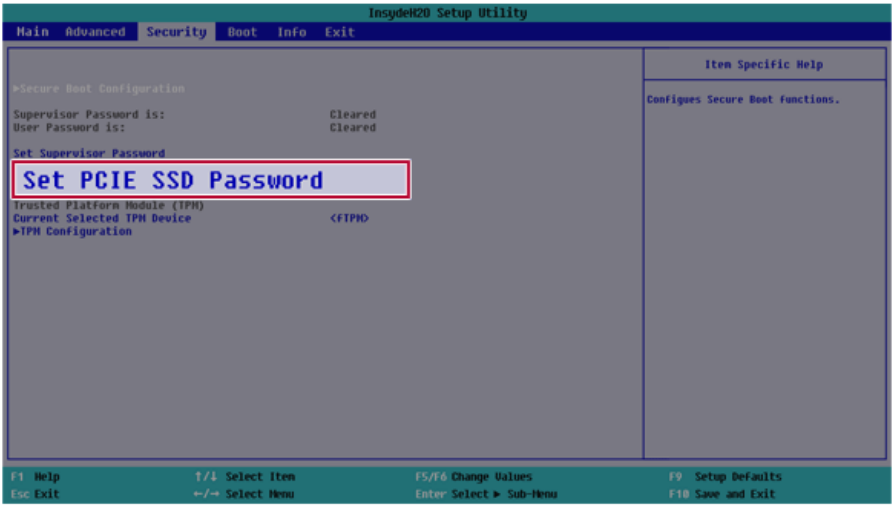
1 Execute System Setup, enter the password, and press [Enter].

2 After moving **[Security]** by using the arrow keys from the setup start screen, click **[Set PCIE SSD Password]** and press [Enter].

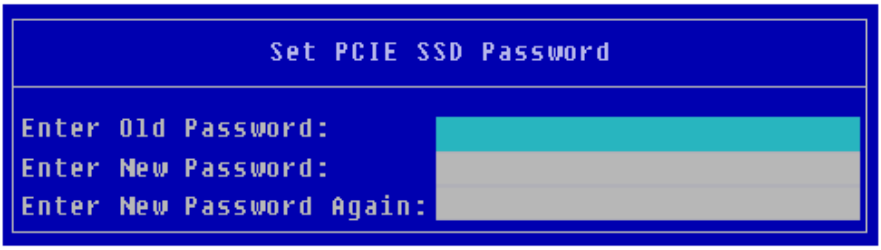
TIP

Depending on the model, the menu name may be displayed as **PCIE SSD Password**, **SATA SSD Password**, etc.

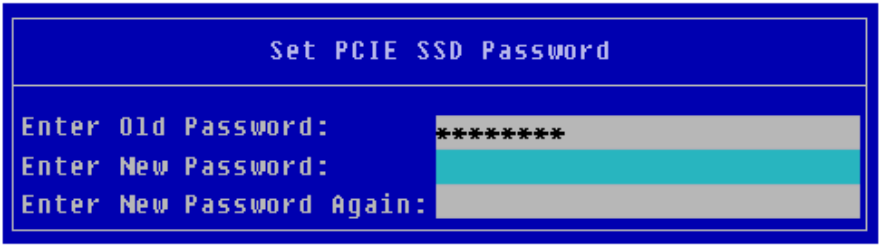
For models equipped with two **PCIE SSD** devices installed, the menu names are displayed as **PCIE SSD1**, **PCIE SSD2**, and if **PCIE SSD** and **SATA SSD** are installed, they are displayed as **PCIE SSD**, **SATA SSD**, etc.



3 When the Password setting change screen appears, enter the current password in the **[Enter Old Password]** field.



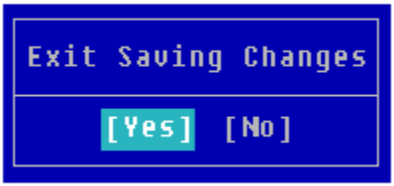
4 Press the [Enter] key in **[Enter New Password]** and in **[Enter New Password Again]**.



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

6 To save the changes in the system setup, press [F10].

7 When a pop-up window appears, select **[Yes]** and press the [Enter] key. The PC will restart.



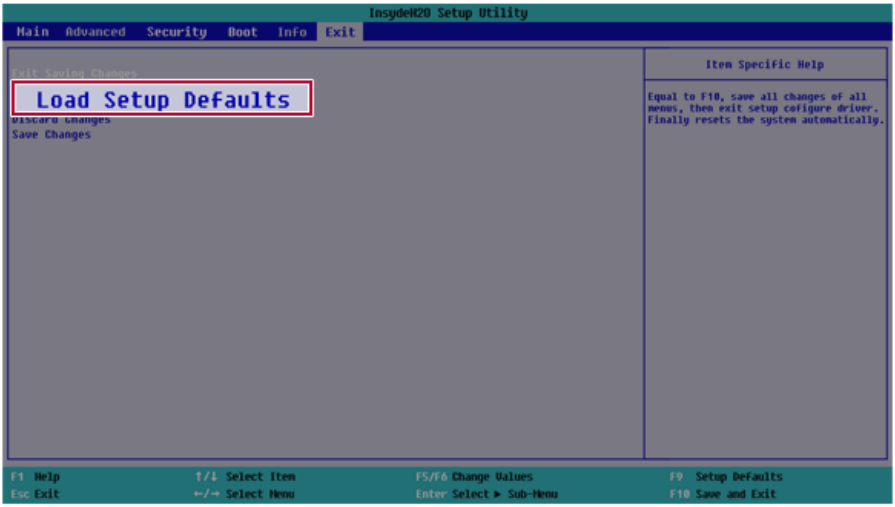
Restoring the Factory Default Settings

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

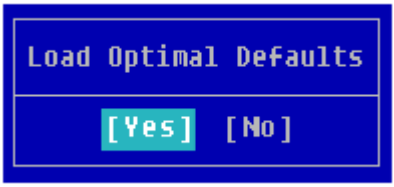
The model in the example can differ from actual models and is subject to change for performance improvements, without prior notice.

1 After opening the system setup screen, use the arrow keys to move to **[Exit]**.

2 Click **[Load Setup Defaults]** by using the arrow keys and pressing [Enter].

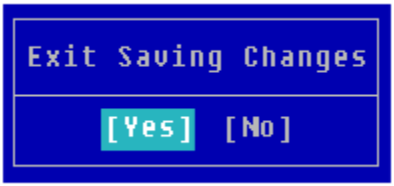


3 When a pop-up window appears, select **[Yes]** and press the [Enter] key. The settings will be reset to the factory default.



4 To save the changes in system setup, press [F10].

5 When a pop-up window appears, select **[Yes]** and press the [Enter] key. The PC will restart.



TIP

- When you press [F9], you can use **[Load Setup Defaults]**.

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

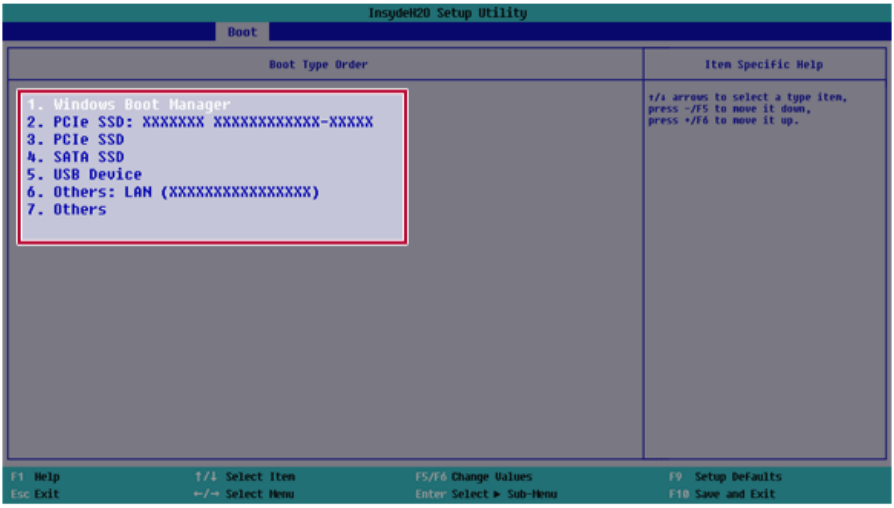
To use the system setup (F2), booting device selection (F10), or recovery (F11), you need to restart the system (click **[Restart]** in the system power menu) and then immediately press the corresponding function key due to the fast booting speed.

Changing the Boot Order

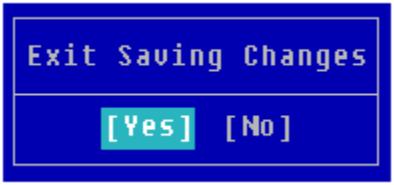
1 Reboot the system and press [F2].

2 Move to the **[Boot]** menu when the system setup screen appears.

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



4 Press the [F10] key, and when a pop-up window appears, select **[Yes]** and press the [Enter] key.



5 The changes are saved and the system reboots.

Selecting a Booting Device to Use

1 Reboot the system and press [F10].

2 When the Select Booting Device screen appears, select the device.

3 Boots using the selected device.

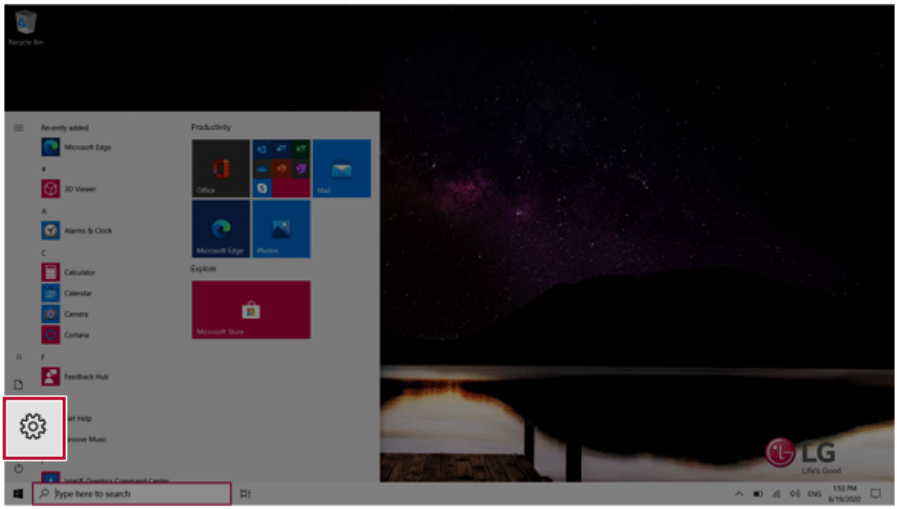
Windows 10 Auto Scaling

The Windows 10 **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.

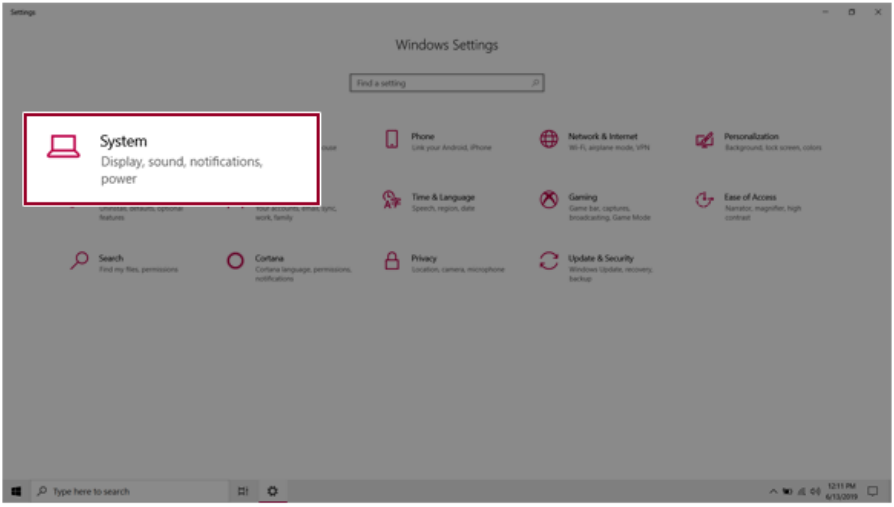
1 Press the [ ] button and select the **[Settings]** menu.

> **TIP**
>
> Press the [ ] key or [Ctrl] + [Esc] to display the Start menu.

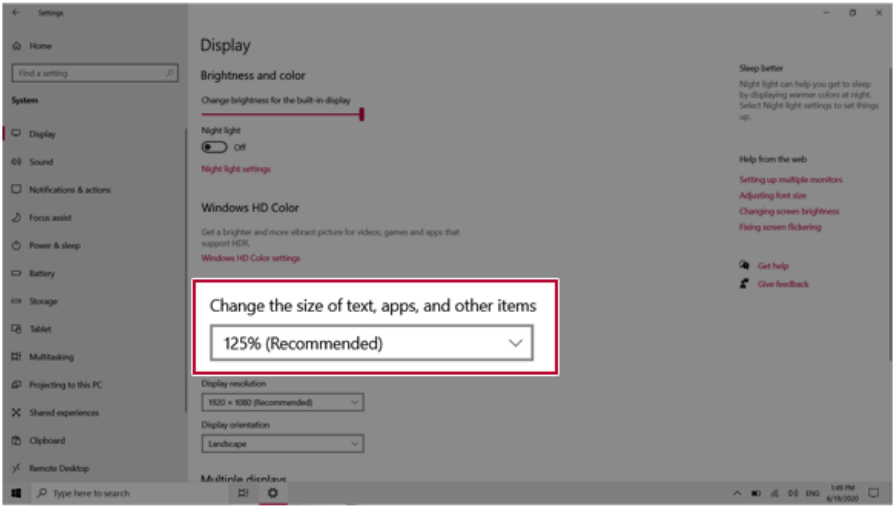


ENGLISH

2 Select **[System]** > **[Display]**.



3 Modify the **[Change the size of text, apps, and other items]** value to change the Auto Scaling settings.



TIP

After auto scaling, you may need to restart some apps to apply the new scale and layout.

ENGLISH

FAQ

LG Recovery Center RE

If booting is impossible due to an error with the system, you can recover the system using **LG Recovery Center RE**.

TIP

It is recommended that you create a recovery drive in case a serious error occurs in the system.

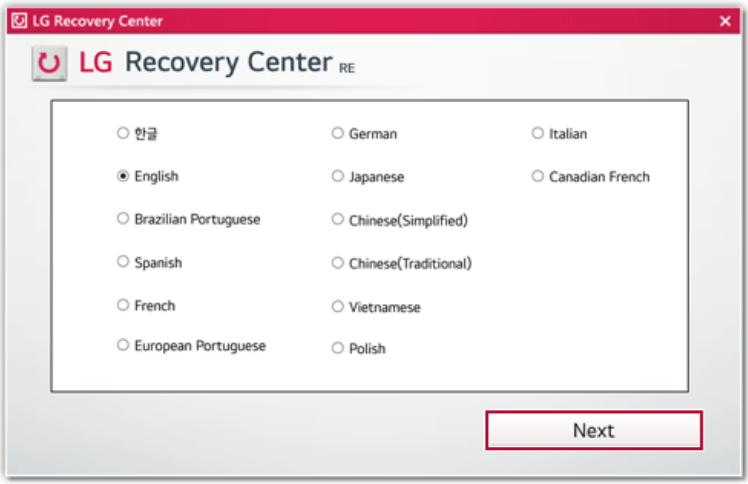
CAUTION

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

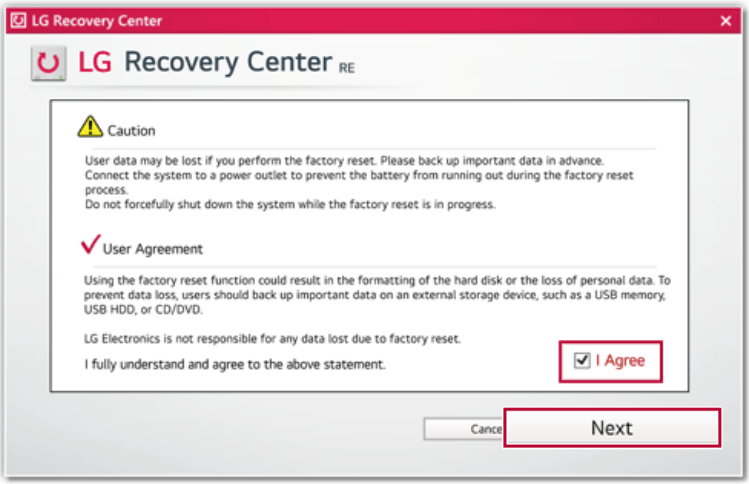
All data is lost during the initialization, so you must backup all critical data in advance.

1 Turn on the PC and press [F11].

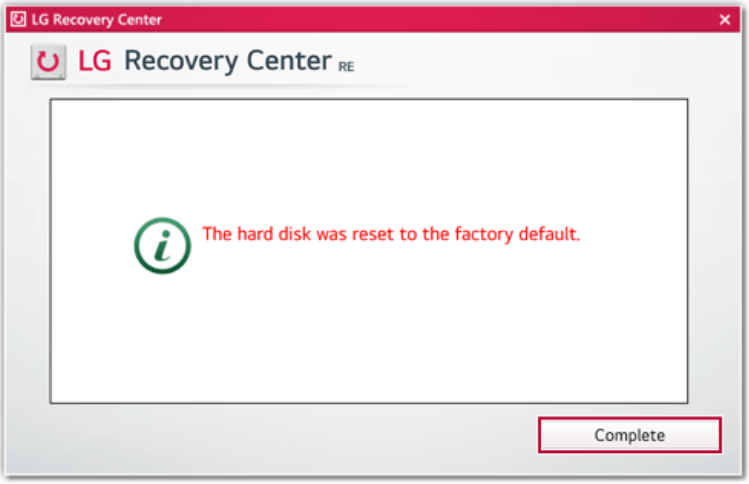
2 Once **LG Recovery Center RE** is started, select a language and press the [Next] button.



3 When the cautions and user agreement screen appears, check the [I Agree] button and press the [Next] button.
For recovery, the power adapter must be connected. Connect the system power and then recover the system.



4 When factory reset is complete, press the [Complete] button to restart the system.



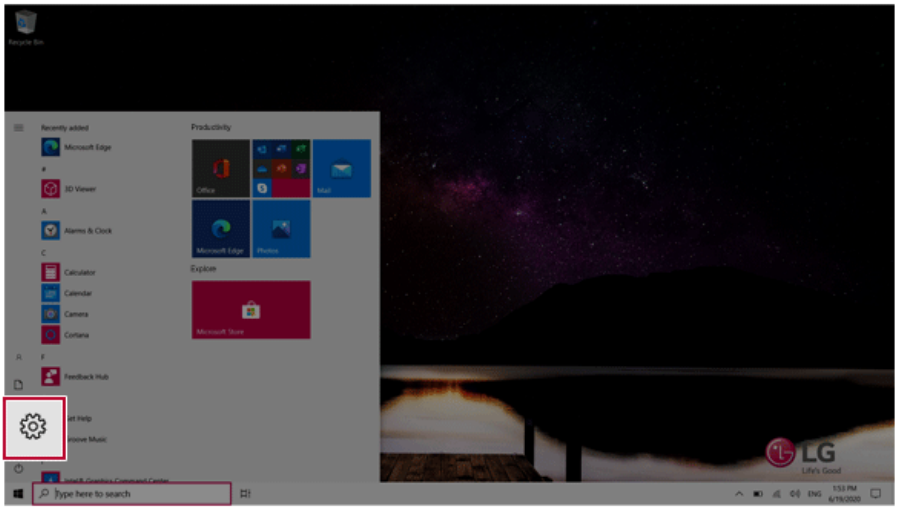
Windows 10 Auto Scaling

The Windows 10 **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 Press the [ ] button and select the **[Settings]** menu.

> **TIP**
>
> Press the [ ] key or [Ctrl] + [Esc] to display the Start menu.



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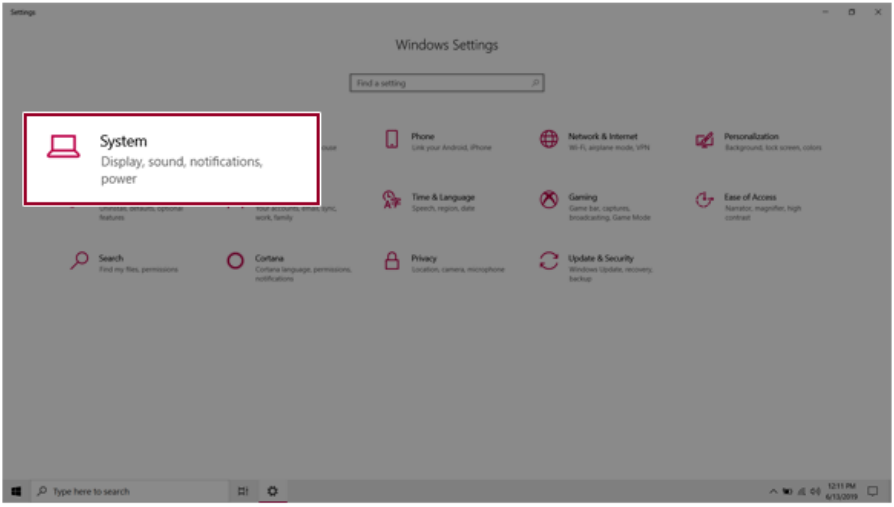
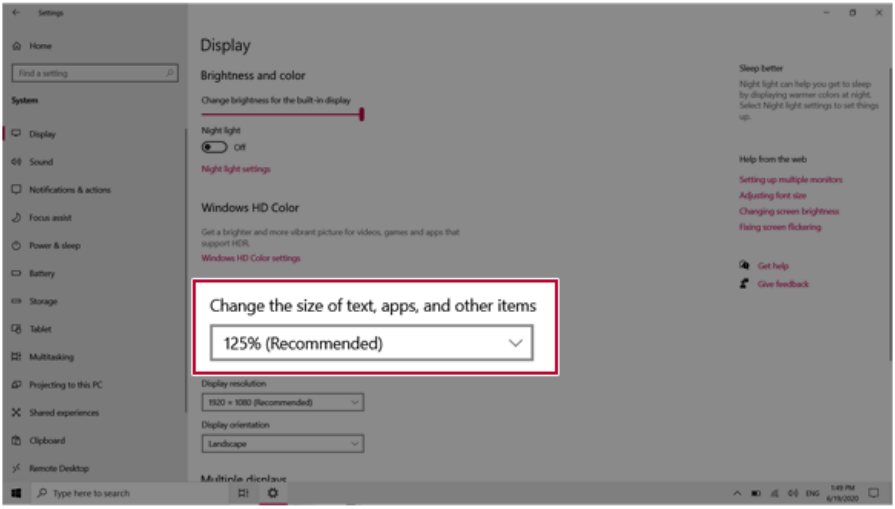
2 Select **[System]** > **[Display]**.



3 Modify the **[Change the size of text, apps, and other items]** value to change the Auto Scaling settings.



Tip TIP

After auto scaling, you may need to restart some apps to apply the new scale and layout.

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Restoring the System

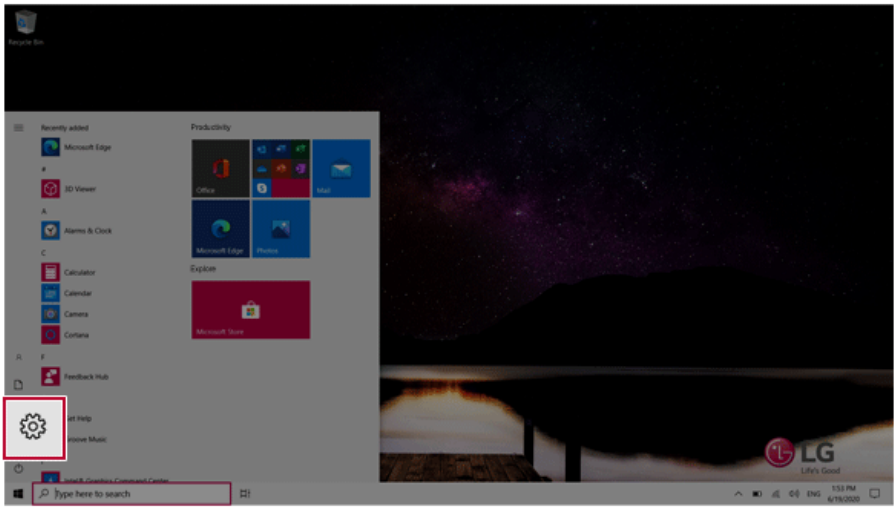
If the system has an error, you can use Windows 10's recovery function to recover or restore the system to its initial pre-purchase state.

CAUTION

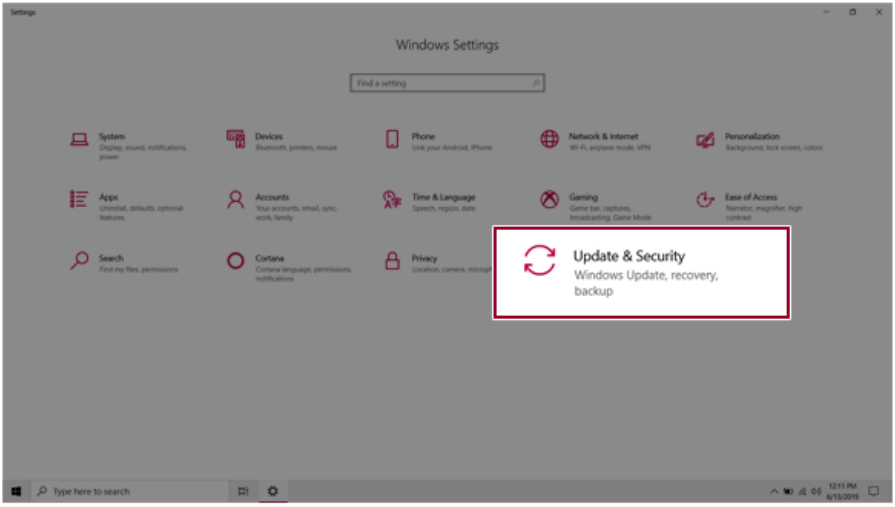
If you have deleted the restoration data in the protected area of the disk, or have arbitrarily installed another operating system, the restore function may not work.

To recover the system, the AC adapter must be connected.

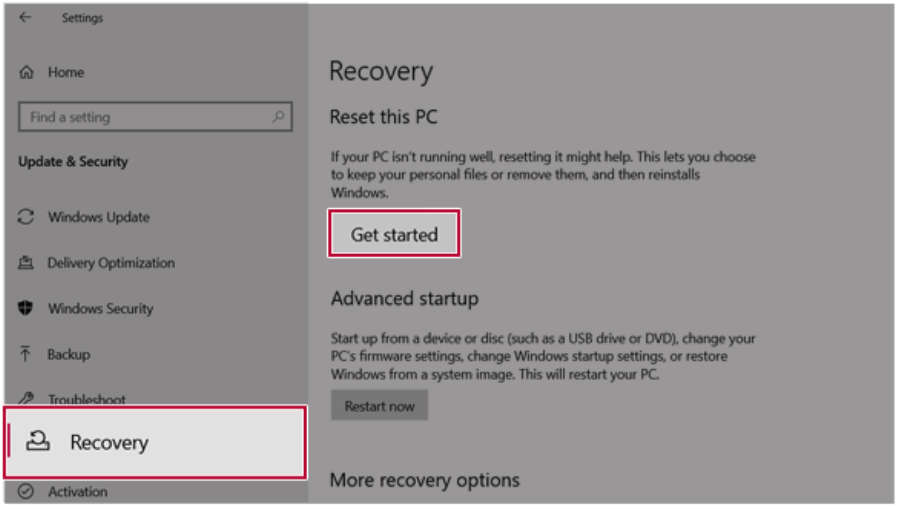
1 Click the [ ] button and select the [Settings] menu.



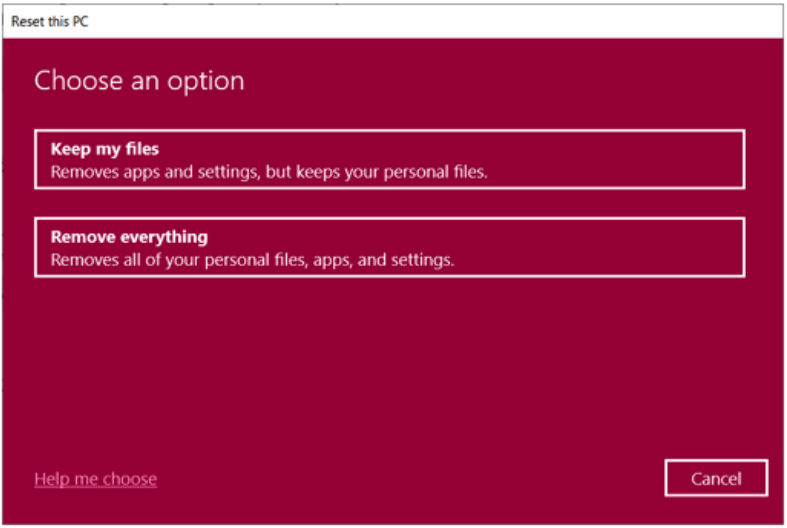
2 When the [Settings] screen appears, select [Update & Security].



3 Select the [Recovery] menu and press [Get started] in the **Reset this PC** menu.



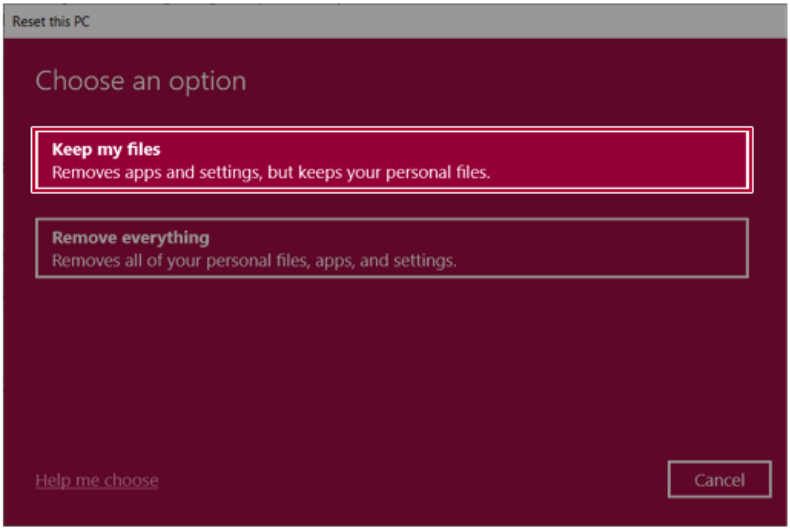
4 If the following option screen appears, select a desired option to proceed with recovery.



Keep My Files

It removes the apps and their settings without loss of personal files.

1 Select [Keep my files].



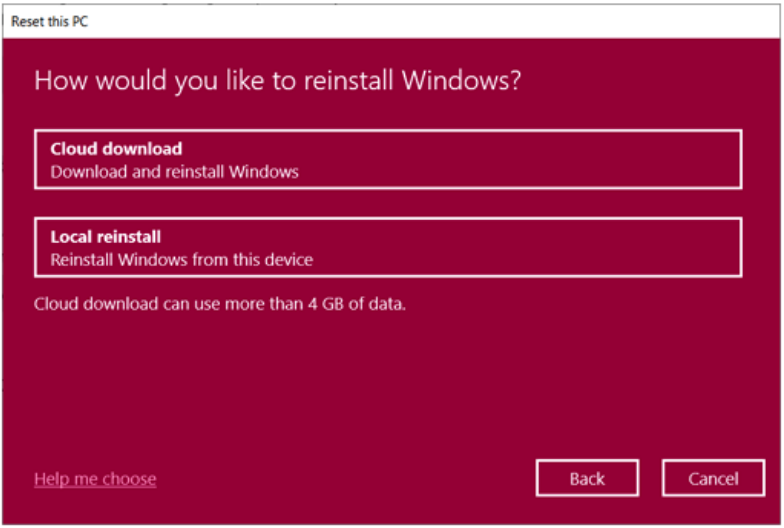
2 Select How to Reinstall Windows.

TIP

If the PC is not connected to the Internet, the screen for selecting Windows installation method does not appear.

[Cloud download] is a menu for downloading **Windows** from **Microsoft** Cloud Server and reinstalling it.

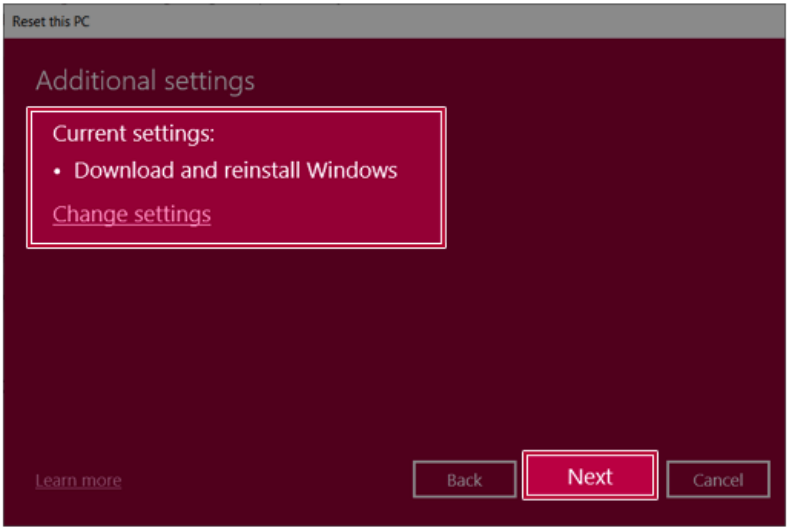
The required time may vary depending on the Internet speed.



3 Check the current settings and click [Next] to perform the recovery according to the instructions.

TIP

If you need to change the settings, click [Change settings] and change the settings.



Remove everythings

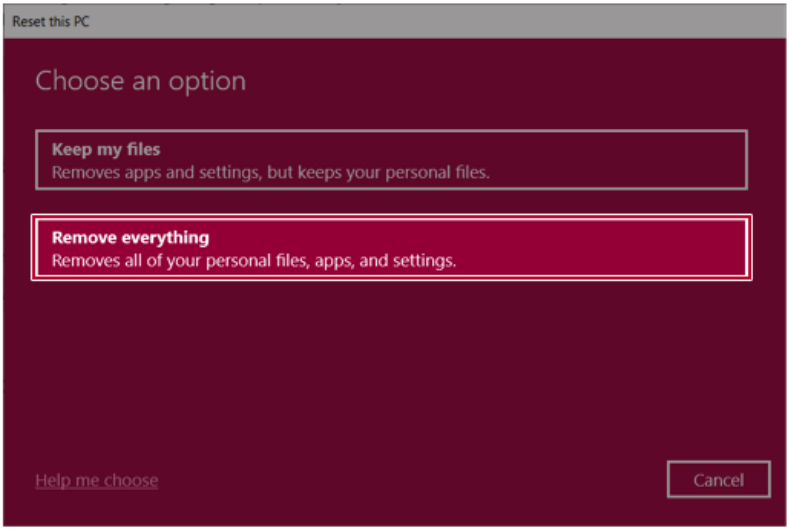
Removes all items from the system and restores the system to its initial pre-purchase state.

CAUTION

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

It may take about 5 hours or longer depending on the system conditions.

1 Select [Remove everything].



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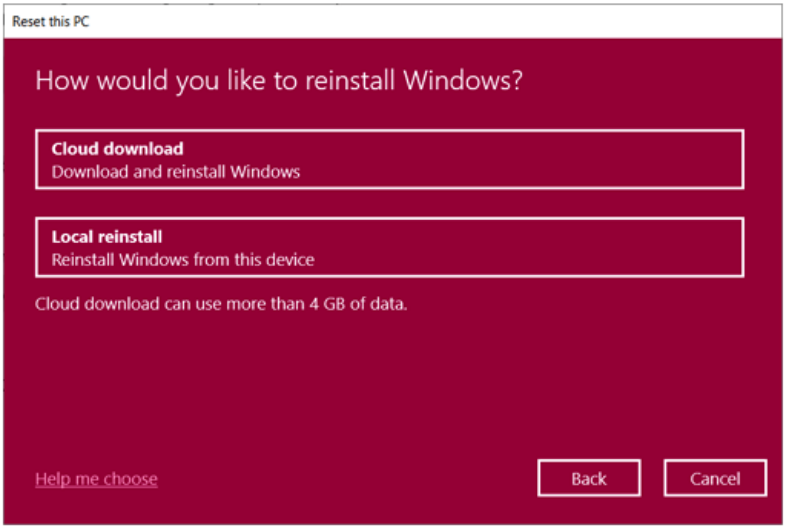
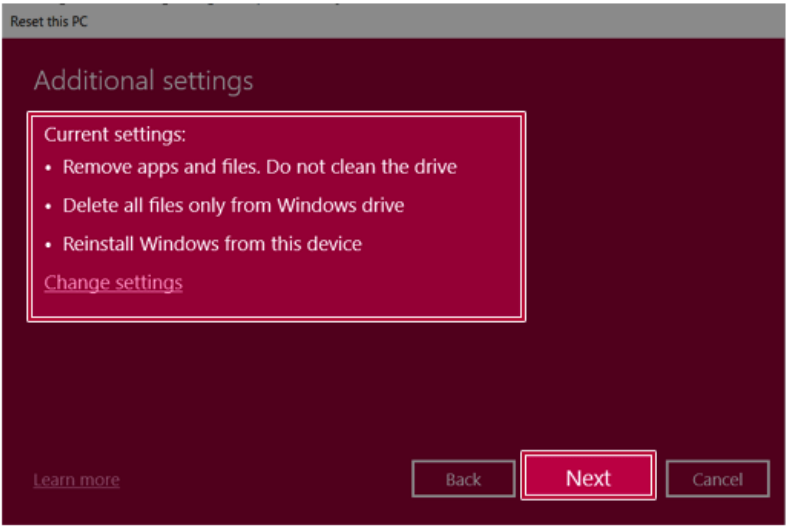


3 Check the current settings and click [Next] to perform the recovery according to the instructions.

TIP

If you need to change the settings, click [Change settings] and change the settings.



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.

1 Connect the HDMI cable to the PC and the external device (TV, monitor) that supports HDMI.

2 HDMI port transfers both video and audio simultaneously. Hence, there is no need for a separate audio connection.

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

TIP

- Every time you press [ ] + [P], 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.

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.

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.

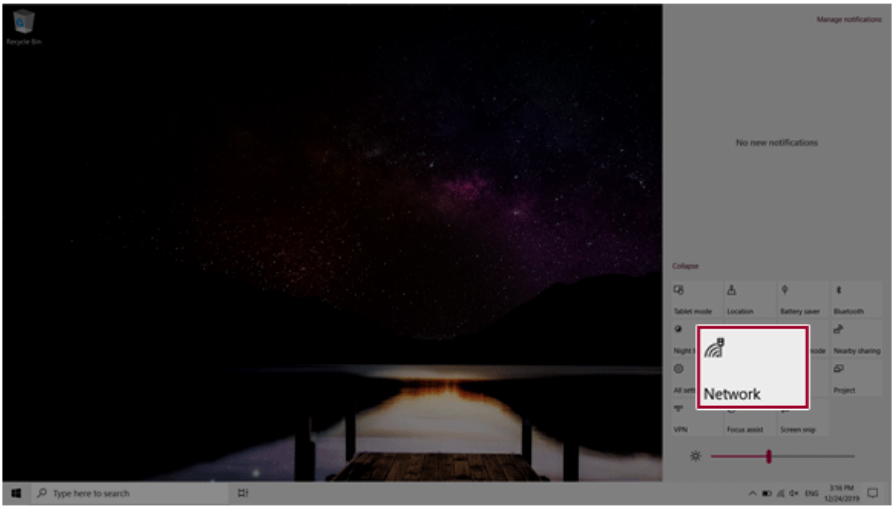
During the search for a wireless network (Wireless LAN), various Access Points may be found according to the location where the PC is used.

In case there are no accessible wireless networks (Wireless LAN) near the PC, no Access Points may be found.

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

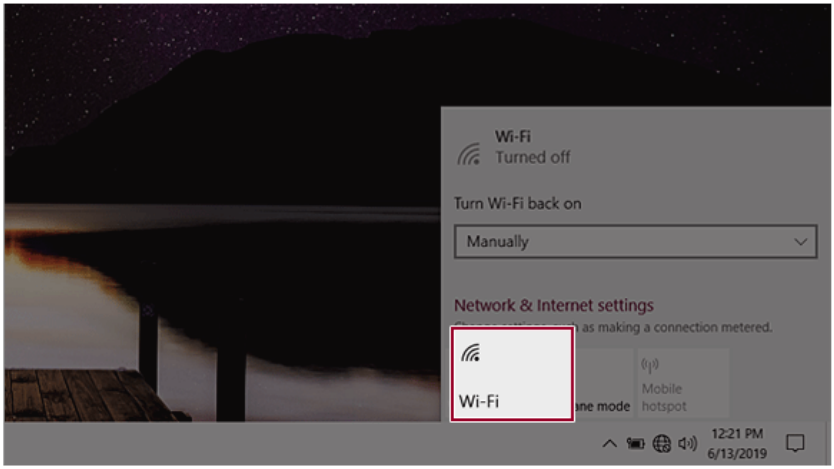
1 Press the Action Center [ ] icon on the right side of the taskbar.

2 Press the **[Network]** tile to search for a nearby Access Point.

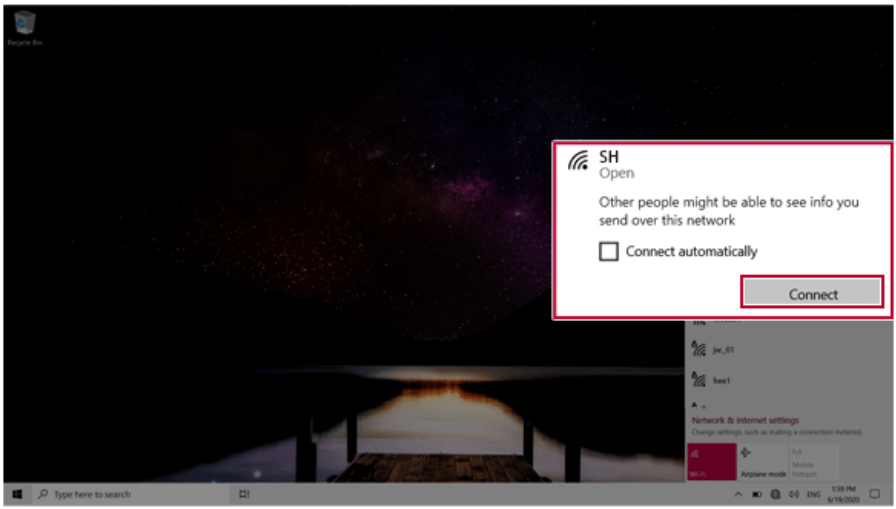


TIP

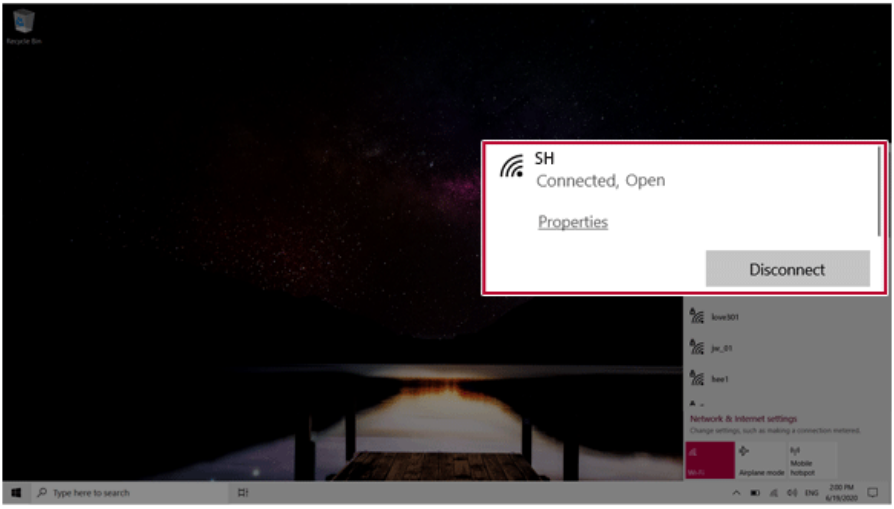
If **Wi-Fi** is turned off, press the **[Wi-Fi]** tile.



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.

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

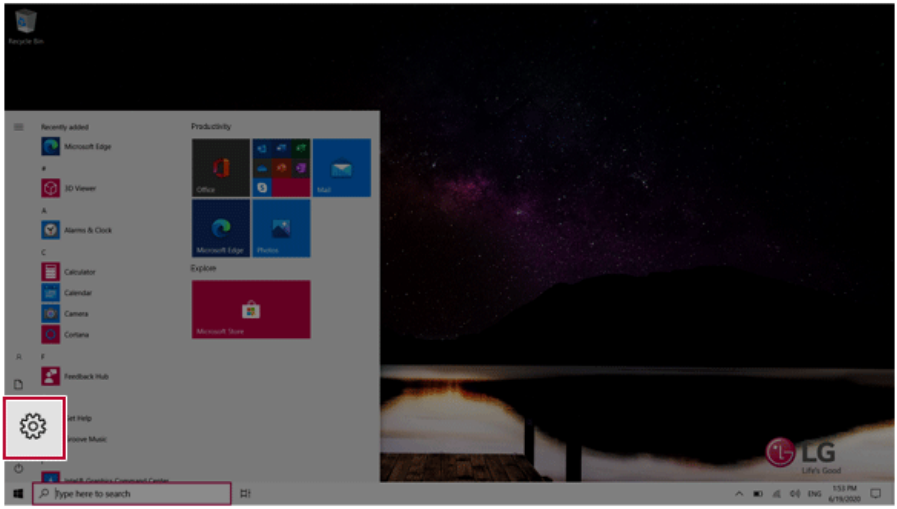
LAN is installed with an automatic IP (DHCP) as default value.

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

1 Connect the wired LAN cable to the LAN port.

2 Press the [ ] button and select the **[Settings]** menu.

> **TIP**
>
> Press the [ ] key or [Ctrl] + [Esc] on the keyboard to display the Start menu.



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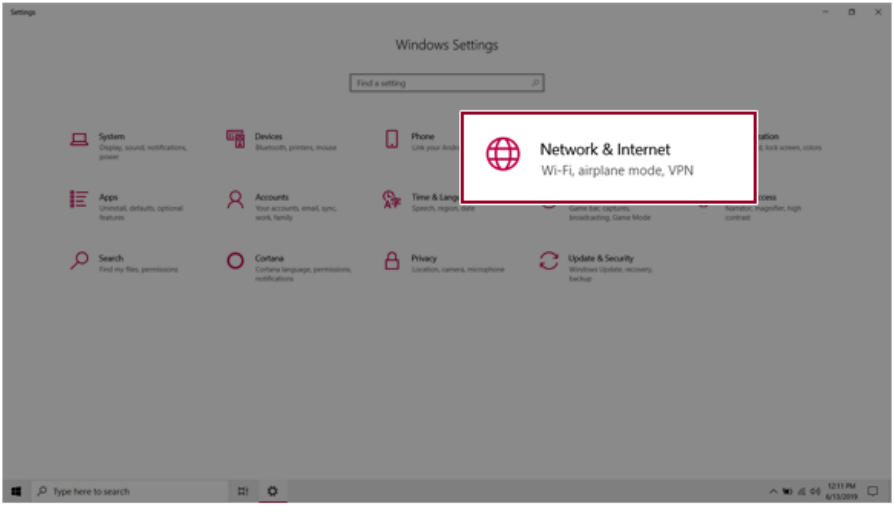
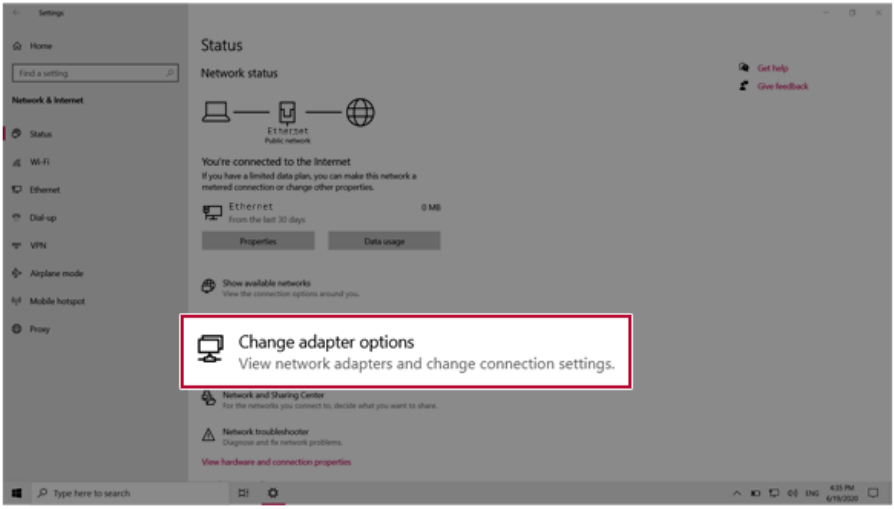
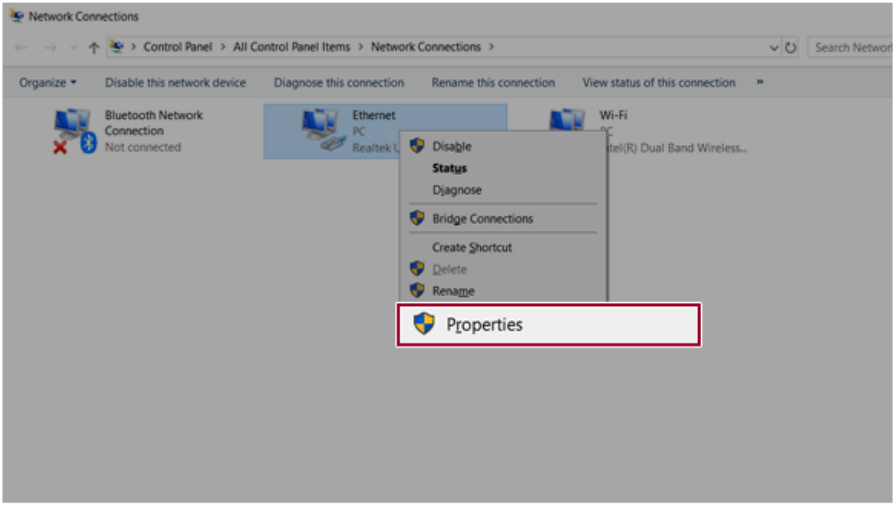
3 Select **[Network & Internet]** > **[Status]** > **[Change Adapter Options]**.

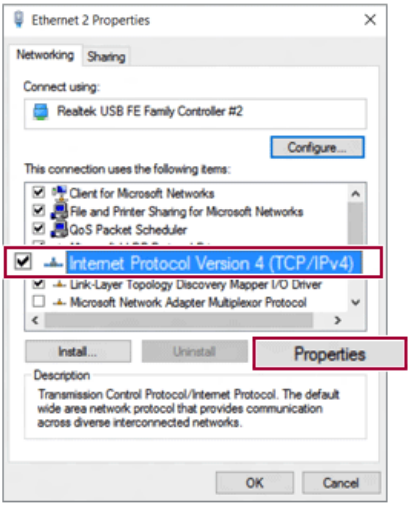




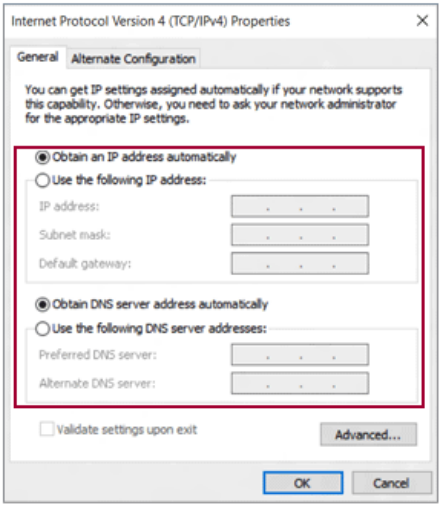
4 Right-click **[Ethernet]** and select the **[Properties]** menu.



5 Select **Internet Protocol Version 4 (TCP/IPv4)** and then click **Properties**.



6 To use an automatic IP (DHCP), select **[Obtain an IP Address Automatically]**. If you wish to use a static IP, select **[Use Following IP Address]** to enter the address.
Contact the network service provider or administrator to use a static IP.



7 Press **[OK]** to complete the network setup.

8 Click the Web Browser icon to check whether the internet is operating normally.