# 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.

## 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.

Realtek Audio Console		-	σ	×
🏦 Main	Playback Devices			
	Speakers 🕱 😵			
Playback Devices	Mute O			
40 Speakers				
	Recording Devices			
Recording Devices				
Microphone Array	Microphone Amay 🕑 🔮			
	Mote V			
Device advanced settings				
Information				
,P Type here to search	0 k 0 k	0 DNG 19	0 PM .	Q

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

Realtek Audio Console		-	6	×
🏦 Main	Main Volume Balance			
	Mute L R			
Playback Devices	Ear Protection			
Headphone	esEffects			
Alicrophone Array	Default Format			
A Microphone	Select the sample rate and bit depth to be used when running in shared mode.			
	48000Hz 248its V Reset			
	Speaker Configuration			
	Full-range Speakers			
	Front left and right			
Device advanced settings     Information	8			
P Type here to search	H 🖸 🔷 🕹	1 10 DNG 10	8/3030	

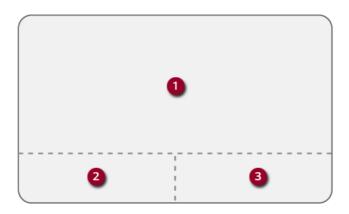
3 Set **[Ear Protection]** to [On] to activate the hearing protection feature.



Realtek Audio Console		- 0	×
🏦 Main	Main Volume Balance		
Playback Devices			
4) Speakers	Ear Protection		
Recording Devices	On On		
Microphone Amay	Detaux romax		
A Microphone	Select the sample rate and bit depth to be used when running in shared mode.		
	48000Hiz 248its V Reset		
	Speaker Configuration		
	Full-range Speakers		
	🛃 Front left and right		
Device advanced settings	88		
Information	×		
P Type here to search	H 0 / × × × × ×	159 PM	Q

## Using the Touchpad

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



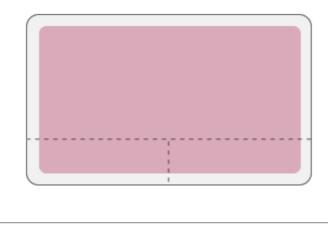
- 1 Touchpad
  - Moves the cursor.
- 2 Left button
  - Use to select or execute programs.
- 3 Right button
  - Functions as the right button of a mouse in most cases. However, the usage may differ depending on programs.

### 💷 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.)



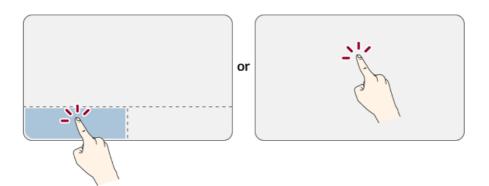
## Moving the Cursor (Pointer) on the Screen

Place a finger on the touchpad and glide the finger.



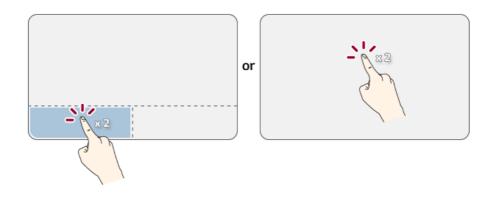
## Click (Select)

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

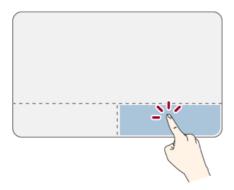
## Notes on Using the Touchpad

- 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.

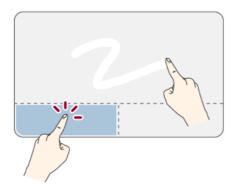


## Drag & Drop

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.

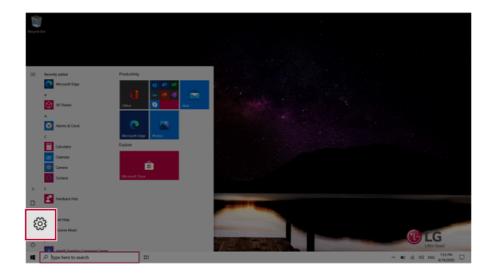


- 1 Drag
  - Glide one finger on the pad with another finger pressing and holding the left button.
- 2 Drop
  - Release the left button to drop it into the Recycle Bin. (By using this, you can drop a file into the Recycle Bin at will.)

### ClickLock

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





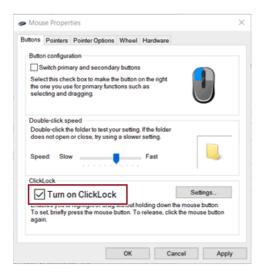
2 When the [Settings] screen appears, select [Devices].

Settings						- 0	×
		Windows Settings					
			2				
		Find a setting					
		Devices Bluetooth, printers, mouse	¢	Network & Internet WI-FL anglane mode, VPN	ø	Personalization Background, lock screen, colors	
	Acps Universität, defaults, optional features	Your accounts email sync. At Speech, region, date work, family	8	Gaming Game bar, captures, broadcasting, Game Mode	ው	Ease of Access Nanator, magnifier, high contrast	
	Search Find my files, permissions	O Cottana Cottana language, permissione, A Privacy Cottana language, permissione, A Cottana Cottana	С	Update & Security Windows Update, recovery, backup			
<b>4</b> ,0 '	Type here to search	H <b>Q</b>				~ 10 AL 00 (211 PM	Þ

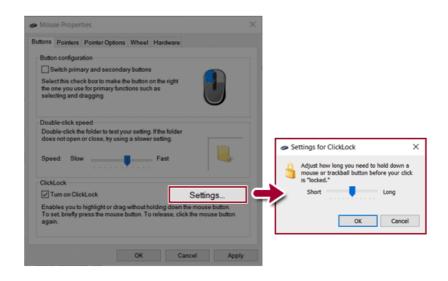
**3** Select [Mouse] > [Additional Mouse Options].

← Settings		- σ ×
	Mouse	
Find a setting P	Select your primary button	Related settings Adjust mouse & cursor size
Devices		
🖷 Bluetooth & other devices	Cursor speed	Additional mouse options
0 Mouse	House wheel to scrull is times at a time	Re Get help
ial Touchpad	Choose how many lines to social each time	Give feedback
a <sup>#</sup> Pen & Windows Ink	Scroll inactive windows when I hover over them	
AutoPlay		
Ö USB		
P Type here to search	11 O	~ ■0 # 40 DNG 6075000 □

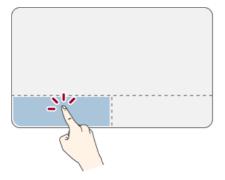
4 When [Mouse Properties] screen appears, select [Turn on ClickLock].



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.

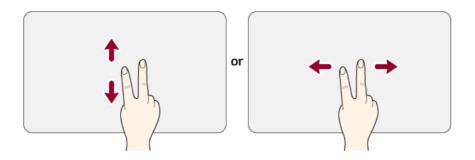
#### Touchpad Gesture

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

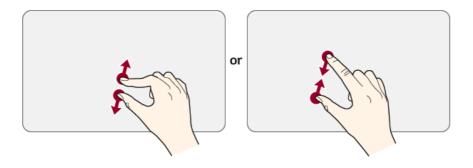
Windows 10 Touchpad Gestures allow you to use the PC more easily.

#### 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.



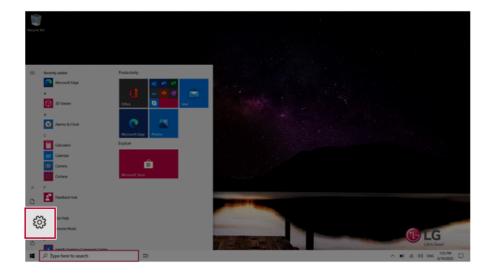
## Setting Touchpad

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

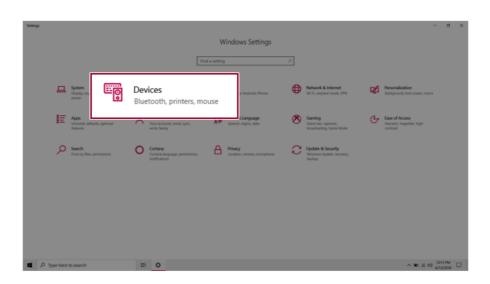
The figures herein may differ by language selection and are subject to change without prior notice.

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





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



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

4- Settings		- o ×
© Home	Touchpad	
Find a setting P	Your PC has a precision touchpad.	Touch and go
Devices	Touchpad On	Swipe up with three fingers to display all your open apps, or tap an app once with two fingers to right-click. Learn other gestures
Buetooth & other devices	Leave touchpad on when a mouse is connected	
Printers & scanners	Charge the canor speed	Related settings Additional settings
() Mouse		Advanced gesture configuration
🖬 Touchpad	Taps	
C Typing	Use taps to click, right-click, and select. Turn down the sensitivity if they activate while you're typing	Help from the web
		Fixing touchpad problems
d <sup>®</sup> Pen & Windows Ink	Touchpad sensitivity	Opening the on-screen touchpad
(k) AutoPlay	Medium sensitivity $\sim$	Get help
0 US8	In with a single finger to single-click	Give feedback
	Tap with two fingers to right click	• (W) NO.22.
	Vap twice and drag to multi-select	
	Press the lower right corner of the touchpad to right-click	
	Scroll and zoom	
	🛃 Drag two fingers to scroll	
P Type here to search	H O	^ ■0 41 00 DNG 159 PM

## Connecting to External Display

### Connecting to the HDMI Port

HDMI is a high-speed multimedia interface that can transfer uncompressed full digital audio and video 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 monitor (projector) toggling screen. Select the desired screen output.
  - \_\_\_\_\_ TIP \_\_\_\_

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

# - CAUTION

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

## Connecting to Wireless Display

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

#### 🥘 option -

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

#### Connecting to Wireless Display

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

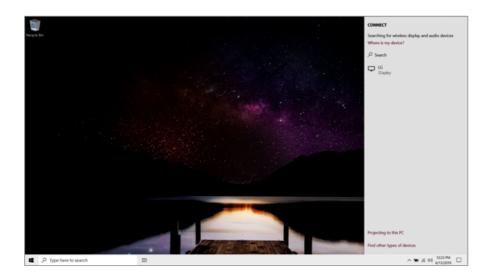


2 When the Action Center screen appears, press the **[Connect]** tile.





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.



# Connecting an External USB-C<sup>™</sup> (Thunderbolt<sup>™</sup>) Device

The USB-C<sup>™</sup> port mounted on this product supports USB 3.2 Gen 2x1 standards. Use the USB-C<sup>™</sup> port to connect USB devices or to output a screen to an external display.

The names of USB versions have changed from USB 3.0 (or USB 3.1 Gen 1) and USB 3.1 (or USB 3.1 Gen 2) to USB 3.2 Gen 1x1 and USB 3.2 Gen 2x1.

#### Connecting a USB Device

📖 тір \_

🌆 TIP \_\_

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

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<sup>™</sup> Alternate Mode, you can use the USB-C<sup>™</sup> port to output a screen to an external display.

🔘 TIP -

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

We support DP (DisplayPort) interface standards.

# 

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

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

#### Connecting a Thunderbolt™ Device

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

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

#### 💷 TIP \_\_\_\_

The Thunderbolt  ${}^{\rm T\!M}$  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.

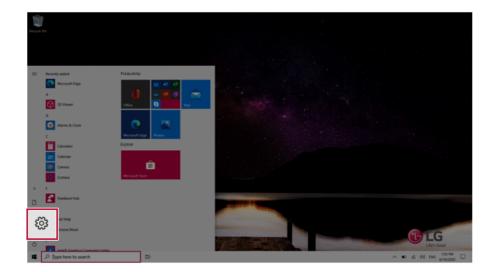
#### Connecting two notebook PCs that support Thunderbolt™

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

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

 Image: 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.

Advanced sharing settings			-	×
← → × ↑ ▲ Control Panel > A	UI Control Panel Items > Network and Sharing Center > Advanced sharing settings	~ U	Search Control Panel	Ą
	Change sharing options for different network profiles			
	Windows creates a separate network profile for each network you use. You can choose specific options for each profile.			
	Private (current profile)			
	Guest or Public			
	Network discovery			
	When network discovery is on, this computer can see other network computers and devices and is <ul></ul>			
	Turn on file and printer sharing			
	All Networks			
	Save changes Cancel	]		

- 4 Use the Thunderbolt<sup>™</sup> 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 \_\_\_\_\_

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

# Using USB-C<sup>™</sup> (Thunderbolt<sup>™</sup>) Charging Function

You can connect a USB-C<sup>™</sup> device to charge a notebook PC battery or other external devices.

- To charge a notebook PC battery, the external device (USB PD Charger, notebook PC, etc.) should support USB Power Delivery 10 W (5 V / 2 A) or higher profile.
- The external devices that use the USB-C<sup>™</sup> port can be charged at 10 W (5 V / 2 A), 15 W (5 V / 3 A), and 18 W (9 V / 2 A).
- USB PD (Power Delivery) supports charging at 15 W (5 V / 3 A) or 18 W (9 V / 2 A) when connected, whereas a regular USB device supports general charging at 10 W (5 V / 2 A).
- When the remaining battery capacity of the notebook PC falls below 10 %, both USB PD and regular USB device support charging at 10 W (5 V / 2 A) only.
- Always-On Charging is supported only with USB-C<sup>™</sup> 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.

#### Using the Charging Function

📖 tip \_

**LG Control Center** can be used to set one of the three charging functions: Automatic, Sink and Source.

# For information on how to use **LG Control Center**, refer to [Using Software] > [LG Control Center].

#### 1 Automatic

The operation mode is automatically selected depending on the charge settings of the connected device.

• When the connected device is set to Automatic (charging the notebook PC or a connected device. Charging the notebook PC by using the mobile phone is not supported.)



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

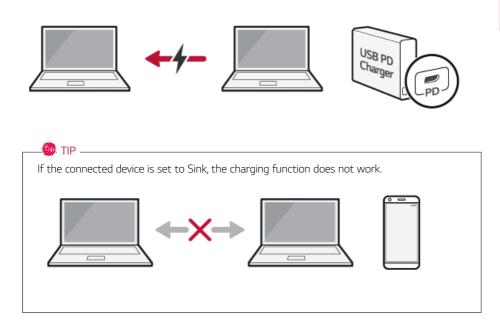


• When the connected device is set to Sink (the connected device is charged.)



## 2 Sink

The connected device is used to charge the notebook PC.



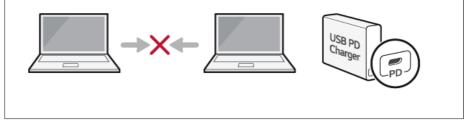
### 3 Source

The notebook PC is used to charge the connected device.



#### 🐽 TIP \_\_\_\_\_

If the connected device is set to Source, the charging function does not work.



#### 🚳 TIP \_\_\_\_\_

The charging status of the external device being charged is not displayed on the notebook PC.

If you connected a smartphone, you should select "Charge mobile phone" on the smartphone screen to charge the phone battery.

# - CAUTION

When you set the charging function for a USB-C<sup>TM</sup> port in **LG Control Center**, beware of the following:

- If you changed the charge setting, it is recommended that you remove the USB-C<sup>™</sup> cable and re-connect it.
- If you restart the system or turn off the power, the charge setting is changed to [Automatic].
- If the charge setting is set to [Sink], some of the devices connected to the USB-C<sup>™</sup> port may not work properly.
- Always-On Charging only supports the ON (automatic) and OFF options.
- If the power consumption of the notebook PC is larger than the power supply from the external device, the battery may be consumed gradually.

## Bluetooth

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

## 🧶 option ——

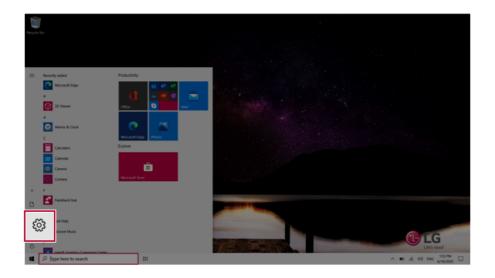
The Bluetooth device is optional, and it may not be available in some models.

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

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

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



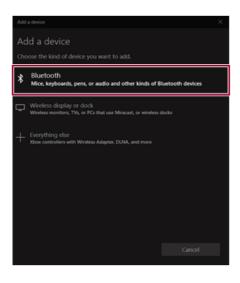


2 When the [Settings] screen appears, select [Devices].

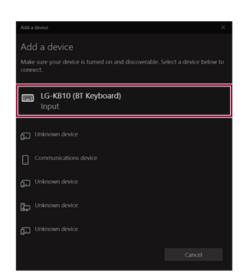
Settings			- o ×
	Windows Settings		
	Find a setting	P	
	Devices Bluetooth, printers, mouse	Network & Internet 10-FL anguine mode, 1011	Personalization Eaclignound, took somen, colors
Peps Uninstall, defaults, optional Institutes	Your accounts, email, spec, AP Speech, region, date work, feedy	Saming Game bar, captures, broadcasting, Game Mode	Esse of Access Namator, magnifier, high contract
Search Find my files, permissions	O Contains Contains Permissions. A Philady Location camera microphone motifications	Update & Security Windows Update, recovery, beckup	
P Type here to search	H O		∧ 10 # 00 # 1211 PM

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

← Settings	
බ Home	Bluetooth & other devices
Find a setting	+ Add Bluetooth or other device
Devices	
Bluetooth & other devices	Bluetooth On
🛱 Printers & scanners	Now discoverable as "DESKTOP-ENDOKK4"
() Mouse	Show notifications to connect using Swift Pair
Touchpad	When selected, you can connect to supported Bluetooth devices quickly when they're close by and in pairing mode.
C Typing	
🖉 Pen & Windows Ink	



4 Select a device to connect to.



5 Complete the Bluetooth connection as directed.

# Wired LAN

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

### Using Wired LAN

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

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

1 Connect the LAN adapter to the USB-C<sup>™</sup> port on the PC.

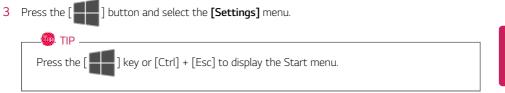
#### 🐠 TIP -

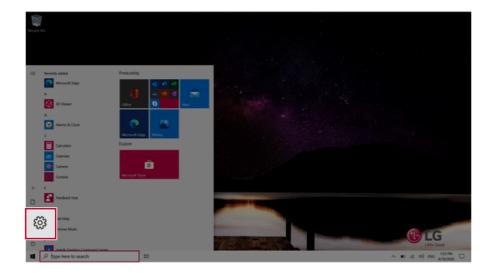
The recommended network cable for the optimal network environment is CAT5 or higher. The network (LAN) cable may be connected when the LAN adapter is used.



2 Connect the wired LAN cable to the LAN port.





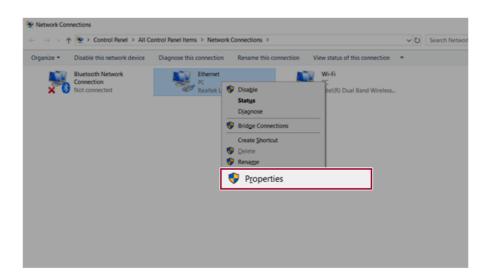


## 4 Select [Network & Internet] > [Status] > [Change adapter options].

Settings					- o ×
			Windows Settings		
			y-		
		Fin	d a setting	P	
	System Despise, sound, notifications, power	Devices Bluetooth, printers, mouse	Cons your Ands	Network & Internet Wi-Fi, airplane mode, VPN	sation 6. lock sovers, colors
	Apps Uninstall, defaults, optional Instances	Accounts Your accounts, email, sync. work, family	Speech, region, date		consis Narrator, magnifier, high contrast
	Search Trind my files, permissions	O Cortana Cortana language, permissions, restifications	Privacy Execution, camera, microphone	Update & Security Windows Update, recovery, backup	
<b>4</b> ,2 h	pe here to search	ti O			^ 10 41 00 12117M

<li>Settings</li>		- o ×
	Status	
Find a setting ,D	Network status	Get help
Network & Internet		<ul> <li>Give Residuact.</li> </ul>
🗢 Status	Ethersat Paterminuk	
4 W-6	You're connected to the Internet If you have a limited data plan, you can make this network a	
10 Ethernet	metered connection or change other properties.	
🕾 Dial-up	Ethernet 0 M8	
	Properties Data usage	
Airplane mode	Show available networks	
Noble hotspot	View the connection options around you.	
0 hoy	Change adapter options View network adapters and change connection settings.	
	Sor the networks you connect to, decide what you want to share.	
	Instructive transferencement     Disprove and the network problems.	
	View hardware and connection properties	
P Type here to search	H O	∧ 10 10 0≬ DNG 435 PM □

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



# 6 Select [Internet Protocol Version 4 (TCP/IPv4)] and then click [Properties].

Ethernet 2 Properties	$\times$
Networking Sharing	
Connect using:	
Realtek USB FE Family Controller #2	
Configure This connection uses the following items:	
Client for Microsoft Networks  Client for Microsoft Networks  Client for Microsoft Networks  Client Client Scheduler	^
Internet Protocol Version 4 (TCP/IPv4)	
	~
Instal Uninstall Propertie	s
Description Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.	
OK Cance	4

7 To use an automatic IP(DHCP), select [Obtain an IP address automatically]. If you wish to use a static IP, select [Use the following IP address] to enter the address. Contact the network service provider or administrator to use a static IP.

General	Alternate Configuratio	n			
this cap	n get IP settings assigne ability. Otherwise, you appropriate IP settings.	need to ask			
0	btain an IP address auto	matically			
OUs	e the following IP addre	55:			
IP ac	idress:				
Subr	iet mask:				
Defa	ult gateway:				
	btain DNS server addres	s automatic	ally		
OUs	se the following DNS service	ver address	ses:		
Prefe	erred DNS server:				
Alter	nate DNS server:				
	alidate settings upon ex	it		Adv	anced

- 8 Press [OK] to complete the network setup.
- 9 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).

# 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.

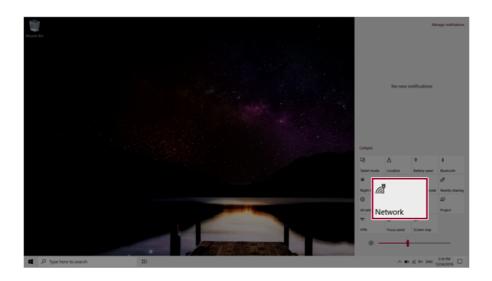
In case there are no accessible wireless networks (Wireless LAN) near the PC, no Access Points may be found.

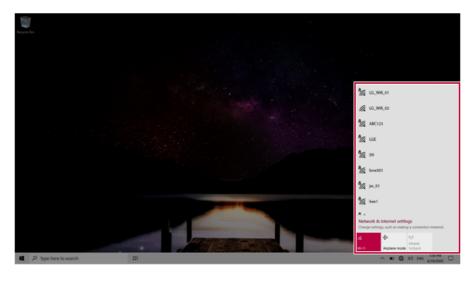
A password protected Access Point cannot be accessed without the correct password.

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.





# 🐠 тір 🗕

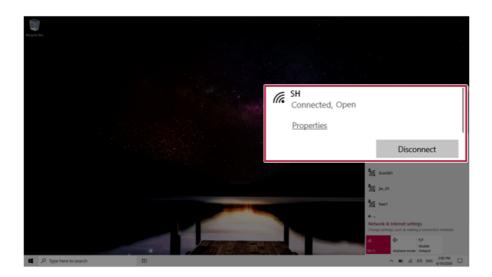
If Wi-Fi is turned off, press the [Wi-Fi] tile.

Wi-Fi Turned off
Turn Wi-Fi back on
Manually
Network & Internet settings as making a connection metered.
Wi-Fi ne mode hotspot
へ 🎟 🌐 付り 12-21 PM 💭

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

Copen
Copen
Other people might be able to see info you send over this network
Connect automatically
Connect
9 the 100 and 1
1 the set
Nintwork & Internet settings Charge settings, such as insuling a convection minimal
A type here to search     Bt     A type here to search     A type here

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.

# UFS/Micro SD Slot

Checking Available Memory Card

This model supports UFS and Micro SD memory cards.

· Directly applicable memory cards



UFS



micro SD

# Mounting and Using Memory Card

This product supports one UFS/Micro SD slot.

Make sure that the insertion direction of the memory card is correct and push it in until the **UFS** or **Micro SD** memory card 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.
- UFS and Micro SD memory cards can be used only as data 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.

# <section-header><text><text><text><text><image><image>

# 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.

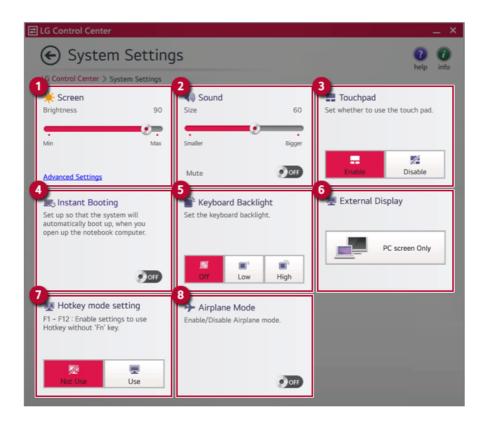
- 3 System Settings: Sets the device settings such as the screen brightness, sound, and external display.
- 4 **Power Management:** Sets the USB-C<sup>™</sup> charging function, battery status and battery life extension function.
- 5 Windows Security: Sets User Account Control settings and Firewall settings.
- 6 **Color Temperature:** The screen color can be set to cold(with a bluish tint) or warm(with a reddish tint).
- 7 **Cooling Mode:** You can set the cooling mode to any of the **Silent**, **Optimal**, and **Performance** modes according to the computer usage environment.
  - **Silent:** This mode minimizes the use of the fan when used in a quiet environment. CPU performance may reduce, and it changes to **Optimal Mode** on reboot.
  - Optimal: This mode optimizes Performance, heating, and noise of the system.
  - **Performance:** This mode is suitable for CPU-intensive works. Heating or fan noise may shorten the battery lifetime, and it changes to **Optimal Mode** on reboot.

# 

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

# System Settings Screen

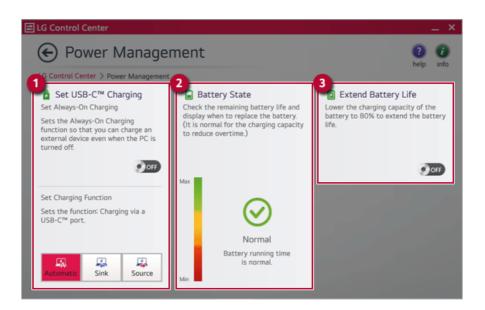
You can use this screen to configure various devices in your PC.



- 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 **Instant Booting:** You can set the system to automatically boot whenever you open the notebook PC.
- 5 Keyboard Backlight: Allows you to configure the Keyboard backlight.
- 6 **External Display:** Allows you to configure the connection mode of an external display connected to the PC.
- 7 Hotkey mode setting: Allows you to set the hot keys(F1~F12) so that you can use them without pressing the Fn key.
- 8 Airplane Mode: Allows you to set the Airplane Mode. (It turns off the wireless LAN.)

#### Power Management Screen

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



# 1 Set USB-C<sup>™</sup> Charging

- Set Always-On Charging: Allows you to set the USB port so that you can perform charging using the USB-C<sup>™</sup> port even when the PC is turned off.
- Set Charging Function: Sets the charging function for a USB-C<sup>™</sup> port (Automatic, Sink, or Source).
- 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.

	_ × _
	0 0
IG Control Center > Windows Security	
User Account Control Settings           User Account Control helps prevent your computer from being affected by harmful programs.           Aways notify         Notify me only when apps try to make changes to my computer (default).           Don't notify me when I make changes to Windows settings.           Never notify	2 Firewall Settings to prevent hackers or malware from accessing the PC through the network and internet. Advanced Settings

- 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.)

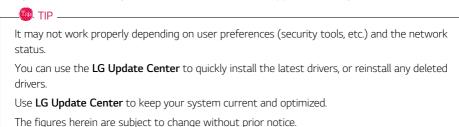
# FAQ

# 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.

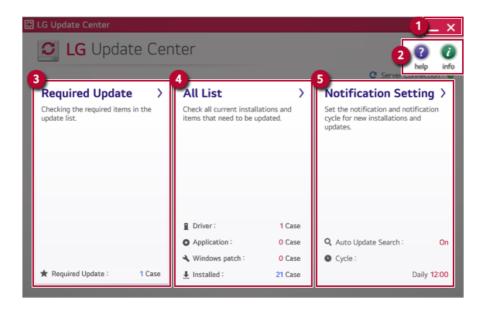
# LG Update Center

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



Running LG Update Center

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



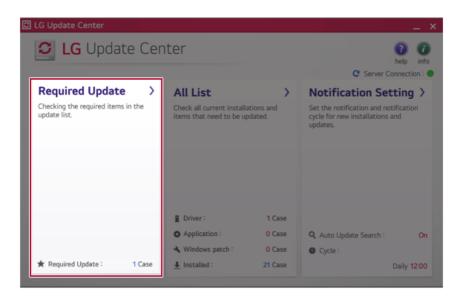
- 1 Minimize/Exit Button: Minimizes the size of the window, or exits the software.
- 2 help/info Button: Runs Help or displays information about the software.
- 3 Required Update: Installs critical items that must be applied to the system.

- 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.



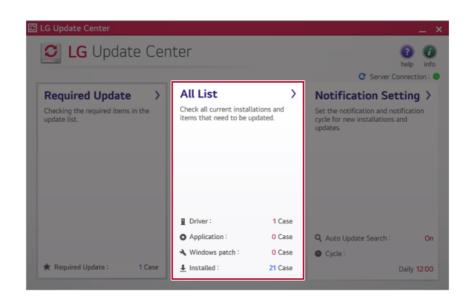
2 When the **Required Update** list appears, select the updates to install and press the [Installation] button.

leip info     C Server Connection :
C Server Connection :
Installation

# 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.

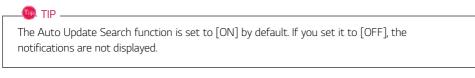
Update needed.  LG Update Center > All List > Update needed.	help inf
Unselect All	C Server Connection :
BIOS Update Version : W1ZD1210	
Driver	

# - TIP —

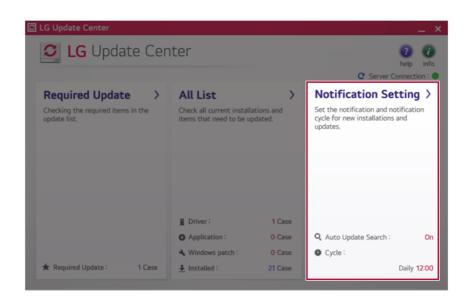
All items are selected by default.

# Notification Setting

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



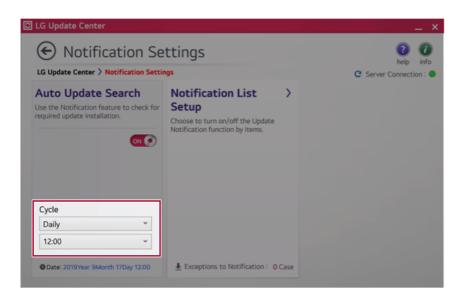
1 Select the [Notification Setting] menu.



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

🖸 LG Update Center			_ × _
Notification Se	ttings		1 10 10 10 10 10 10 10 10 10 10 10 10 10
LG Update Center > Notification Settin	gs		C Server Connection : 😗
Auto Update Search Use the Notification feature to check for required update installation.	Notification List Setup Choose to turn on/off the Update Notification function by items.	>	
Cycle			
Daily			
Date: 2019Year 9Month 17Day 12:00	Exceptions to Notification : 0 (	Case	

# 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.

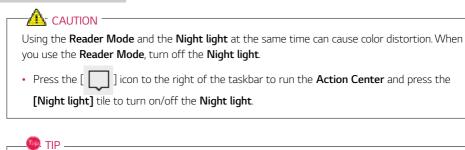
#### Q: How can I update the items that are excluded from the notification list?

• 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.

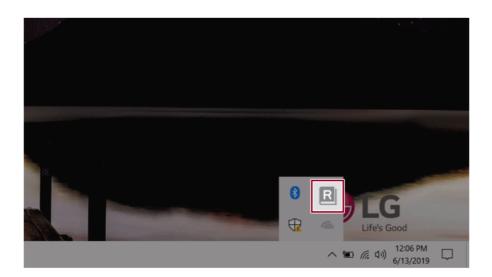
# Using LG Reader Mode



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**.

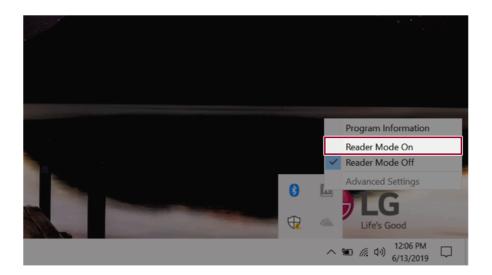
1 Press the [R] ] icon on the taskbar.

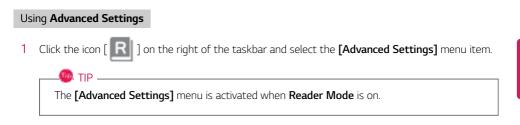


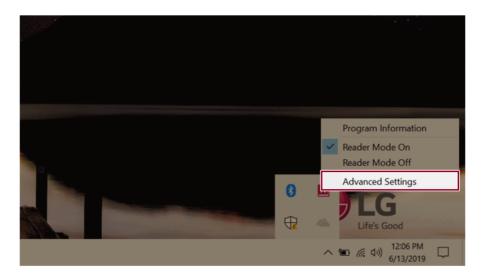
🔘 TIP \_\_\_\_\_

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

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







2 The [Advanced Settings] windows appears.

R A	dvanced Settings		×
D	SYSTEM BRIGHTNESS		50
Colo	or Adjustment	Brightness	20
2		Contrast	50
		Gamma	1.0
	<u> </u>	UNITIN	1.0
		3 Reset OK Ca	ancel

- 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.

# 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 Program 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



- 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.

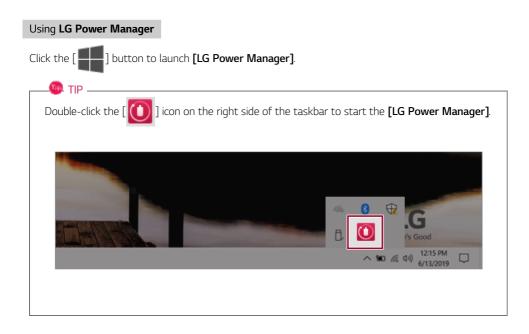
# LG Power Manager

🔘 TIP -

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

# 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.



LG Power Manager	? <u> </u>
3         94%         Battery in use	User Hibernate Mode          User Hibernate Mode          Display Off Time       4minutes.         Display Off Time       4minutes.         Duration until Hibernate       4minutes.         Oration until Hibernate       4minutes.         Pattery Use per App       >

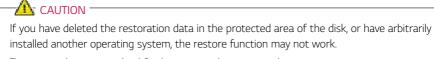
- 1 Help button: Displays the Help menu.
- 2 **Minimize/Maximize/Exit button:** Allows you to minimize or maximize the window or exit the program.
- 3 Battery Status: Displays the battery level and battery usage status including power connection.
- **4 Battery Management Settings:** Allows you to set 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 [Ru	in automatically when starting the Windows] menu.
	Open LG Power Manager
	User Hibernate Mode : None
a	<ul> <li>Run automatically when starting the Windows</li> </ul>
and the second se	Version
	Exit
	Life's Good
	へ 900 <i>信</i> 句)) 12:06 PM ロ 9/24/2019 ロ

# Restoring the System

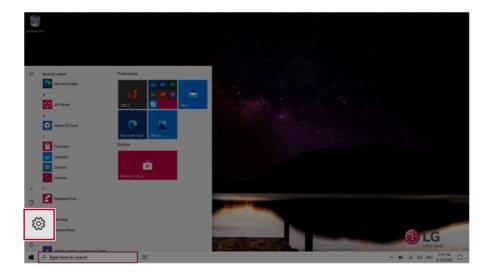
# Restoring the System

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.



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

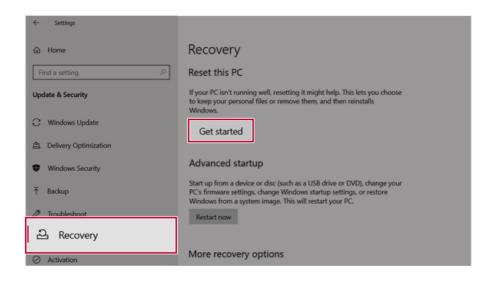
1 Click the [ ] button and select the [Settings] menu.



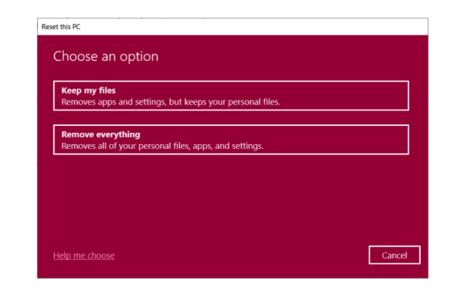


2 When the [Settings] screen appears, select [Update & Security].

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.

eset this PC			
How would you like to reinsta	ll Window	rs?	
Cloud download Download and reinstall Windows			
Local reinstall Reinstall Windows from this device			
Cloud download can use more than 4 GB of d	ata.		
Help me choose		Back	Cancel

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



Reset this PC	
Additional settings	_
Current settings: • Download and reinstall Windows	
Change settings	
Learn more	Back Next Cancel

#### Remove everythings

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



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].

#### Reset this PC

Choose an option

#### Keep my files

Removes apps and settings, but keeps your personal files.

#### Remove everything

Removes all of your personal files, apps, and settings.

Help me choose

Cancel

### 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.

Reset this PC	
How would you like to reinstall	Windows?
Cloud download Download and reinstall Windows	
Local reinstall Reinstall Windows from this device	
Cloud download can use more than 4 GB of data	a.
Help me choose	Back Cancel

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

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

Reset this PC	
Additional settings	
Current settings: • Remove apps and files. Do not clean the drive • Delete all files only from Windows drive • Reinstall Windows from this device <u>Change settings</u>	
Learn more Back	Next Cancel

# Setup and Upgrade

## Installing the Driver

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

Using LG U	pdate Center	to install the Driver
------------	--------------	-----------------------

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

C LG Update C	Cer	nter		2 help	in
Required Update	>	All List	>	C Server Connect	
Required Opdate	1	All LISU		Notification Settin	y ⁄
Checking the required items in the update list.		Check all current installa items that need to be up		Set the notification and notificat cycle for new installations and updates.	ion
		Driver :	1 Case		
			0 Case		_
		Application :		Q Auto Update Search :	C
		🔌 Windows patch :	0 Case	Cycle :	
★ Required Update : 1 Ca	se	Installed :	21 Case	Daily	12:0

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



### 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), 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.

Reboot the system and press [F2]. 1



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

		Phoenix Sec	ureCore Te	chnology Set	tup
Main	Advanced	Security	Boot	Exit	
Suctor	Date [09/26/2	0171			Item Specific Help
System	Time [12:00:0	0]			view or set system date.
▶ System	Information				
	1 Help 11	Select Item	•/- Chang	e Values	F9 Setup Defaults
	SC Exit ↔			t 🕨 Sub-Henu	· · · · · · · · · · · · · · · · · · ·

## Keys Used in System Setup

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

## Setting the 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.

### 

• 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.

Phoenix SecureCore Technology Setup					
Main Advanced	Security	Boot	Exit		
► Secure Boot Configuratio	in			Iten Specific Help	
Supervisor Password is:	Cleared			Set or Clear the Supervisor account's password.	
User Password is:	Cleared	1			
Set Supervisor Password	[Enter]				
Set user Password	LENCER				
Password on boot:	[Disab]	led]			
SSD01 Password State	Cleared				
SSD02 Password State	Cleared	-			
Set SSD01 Password	[Enter]				
Set SSD02 Password	[Enter]	I			
Trusted Platform Hodule	(TPH)				
Current Selected TPM Dev	ice [fTPH]				
TPM Configuration					
F1 Help ↑↓ S	elect Item	/- Change	e Values	F9 Setup Defaults	
ESC Exit ↔ S	elect Henu 🛛	-	t 🕨 Sub-Henu	· · · · · · · · · · · · · · · · · · ·	

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

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

4 When the **Notice** screen appears, press the [Enter] key.

Notice				
Changes have been saved. [ <mark>OK</mark> ]				

- 5 To save the changes in the system setup, press [F10].
- 6 When the **Setup Confirmation** screen appears, check **[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 **Password on boot**. In case other people also use the PC, it is recommended to set the **Set User Password**.

#### 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.

	Phoenix Sec	ureCore	Technology S	etup
Main Advanced	Security	Boot	: Exit	
<ul> <li>Secure Boot Configurat Supervisor Password is User Password is:</li> <li><u>Set Supervisor Password</u></li> <li><u>Set User Password</u></li> <li><u>Set User Password</u></li> <li><u>Set User Password</u></li> <li><u>Set User Password</u></li> <li><u>Set SD01</u> Password State</li> <li><u>Set SD02</u> Password</li> <li><u>SET SD04</u> Password</li></ul>	ion : Set Cleard (Enter Cleard Cl	ed 91 91 91 94 94 7] 7]		Iten Specific Help Set or Clear the User account's password.
F1 Help ↑↓ ESC Exit ↔	Select Item Select Henu		ange Values Lect 🕨 Sub-Her	F9 Setup Defaults nu F10 Save and Exit

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

Set User Password						
Enter New Password Confirm New Password	[	]				
	L					

4 When the **Notice** screen appears, press the [Enter] key.

Notice	
Changes have been saved. [ <mark>OK</mark> ]	

- 5 To save the changes in the system setup, press [F10].
- 6 When the **Setup Confirmation** screen appears, check **[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.

#### Password on boot

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

				Pho	enix Se	cureCo	re Tecl	nnology Set	up	
Mair	A	idvan	ced	Sec	urity	B	oot	Exit		
<ul> <li>Secur Super User</li> <li>Set S Set U Fassu</li> <li>SSD01</li> <li>SSD02</li> <li>Set S Set S</li> <li>Set S</li> </ul>	e Boot visor Passwo upervi ser Pa ord on Passw SD01 P SD02 P SD02 P ad Pla nt Sel	Confi Passwo rd is: sor Pa ssword Doot: Doot: ord St asswor asswor	gurat rd is sswor ate d d Hodul TPM D	ion :: :d	Set Set (Ent: UIS: Clear (Ent: Ent:	er] er] aoleoj red red er] er]		Exit		(ten Specific Help Clear the User account's rd.
		Help	<b>1</b> ↓	Select		•/-		Values	F9	Setup DeFaults
Passu SSD01 SSD02 Set S Set S Trust Curre	Passu Passu SD01 P SD02 P ed Pla nt Sel onfigu	DOOT: ord St asswor asswor tform ected ration	ate ate d Modul TPM D	evice	UIS. Clear Clear (Entr (Entr (FTP) (FTP)	apleoj red red er] er] H]		Values ▶ Sub-Henu		Setup Defaults Save and Exit

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

Main	Advanced	Security	Boot	Exit		
Secure Bo	ot Configurati	00			Item Specific He	elp
	r Password is:				Enable/Disable User Authe Prompt on boot.	enticatio
Set liser			- <u>í</u>			
Passuord		[Enabl				
	sword State	Cleare				
Set SSD02 Pas	and a beater	[Enter				
Set SSD02		[Enter				
	latform Hodule					
Current S TPM Confi	elected TPM De	vice [fTPH]				
· IFH COULT	guración					
F1		Select Item	-	e Values	F9 Setup Defaults	
ESC	Exit ↔ !	Select Menu	Enter Select	t 🕨 Sub-Henu	J F10 Save and Exit	

#### Set SSD Password / NVMe<sup>™</sup> Password

#### 🚳 TIP -

Some models installed with NVMe<sup>™</sup> may not support the password settings.

Depending on the model, the menu name may be displayed as **SSD Password**, NVMe<sup>™</sup> **Password**, etc.

For a model equipped with two **SSD** or NVMe<sup>™</sup> devices, the menu name may be displayed as SSD01, SSD02, NVMe<sup>™</sup>1, NVMe<sup>™</sup>2, etc.

For models with two **SSD** or NVMe<sup>™</sup> 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 Priority 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 SSD01 Password]** using the arrow keys and press the [Enter] key.

		Phoenix Secu	ureCore Teo	hnology Set:	tup
Main Ad	vanced	Security	Boot	Exit	
► Secure Boot ( Supervisor P, User Password Set Superviso	assword is: d is:	n Set Set [Enter	1		Item Specific Help Set SSD01 Password.
Set User Pass Password on I SSD01 Passwor SSD02 Passwor	nd State	[Enter [Enabl Cleare	ed] d		
Set SSD01 Par Set SSD02 Par Trusted Plat Current Sele > TPM Configura	ssuora Form Module cted TPM Dev		1		
				e Values t ▶ Sub-Henu	F9 Setup Defaults u F10 Save and Exit

3 When the Set SSD01 Password setting screen appears, enter the password and press the [Enter] key. The password should not exceed 12 characters and should consist of English letters (A - Z), numbers (0 - 9), and special characters or a combination of them.



4 When the **Notice** screen appears, press the [Enter] key.



- 5 To save the changes in the system setup, press [F10].
- 6 When the **Setup Confirmation** screen appears, check **[Yes]** and press the [Enter] key. The PC will restart.

Setup Confirmation						
Save configuration	changes	and [No	_	now?		
			.1			



### If you forgot SSD Password/NVMe<sup>™</sup> Password, you cannot restore the SSD/NVMe<sup>™</sup>.

• The replacement of SSD/NVMe<sup>™</sup> due to a forgotten **SSD Password**/NVMe<sup>™</sup> **Password** is not covered by 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].



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

Main Advanced S	ecurity Boot	Exit	
Secure Boot Configuration		It	em Specific Help
Supervisor Password is: User Password is:	Set Cleared		lear the Supervisor password.
Set Supervisor Password	[Enter]		
Password on boot:	[Enter] [Disabled]		
SSD01 Password State	Cleared		
SSD02 Password State	Cleared		
Set SSD01 Password Set SSD02 Password	[Enter] [Enter]		
Trusted Platforn Module (T Current Selected TPM Devic TPM Configuration	PH)		
F1 Help ↑1 Sele	ct Item •/- Chang	e Values F9 S	etup Defaults

3 When the **Set Supervisor Password** setting screen appears, enter the current password in **[Enter Current Password]**.



4 Press [Enter] in [Enter New Password] and [Confirm New Password].

Set Supervisor Pa	ssword
Enter Current Password Enter New Password Confirm New Password	[**** ] []

5 When the **Notice** screen appears, press the [Enter] key.



- 6 To save the changes in the system setup, press [F10].
- 7 When the **Setup Confirmation** screen appears, check **[Yes]** and press the [Enter] key. The PC will restart.



### Deleting the Password (Set SSD Password / NVMe<sup>™</sup> 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 SSD01 Password] and press [Enter].

TIP
Depending on the model, the menu name may be displayed as <b>SSD Password</b> , NVMe™
Password, etc.
East we delay from the second state of the sec

For a model equipped with two SSD, NVMe<sup>™</sup> devices, the menu name may be displayed as SSD01, SSD02, NVMe<sup>™</sup>1, NVMe<sup>™</sup>2, etc.

Phoenix SecureCore Technology Setup									
Main	Advanced	Security	Boot	Exit					
N Secure Roo	t Configurati	20			Item Specific Help				
P Steart Doo	e oomregeraer				Set SSD01 Password.				
Supervisor	Password is:	Set			Set Sabal Fassword.				
User Passw	ord is:	Set							
Set Superv Set User P	isor Password	[Enter] [Enter]							
Passuord o		[Enable	an an						
10330010 0	n booc.	[ chapte							
SSD01 Pass	word State	Set							
2269 28022	word State	Pleared							
Set SSD01		[Enter]							
26£ 220.0%	rassuoro	[Enter]							
Trusted Pl	atform Hodule	(TPH)							
	lected TPM De								
► TPM Config		()							
F1	Help 斗 🕽 S	elect Item 🔷 🧃	- Change	Values	F9 Setup Defaults				
ESC	Exit ↔ S	elect Menu 🛛 🛙 🖬	ter Select	🕨 Sub-Henu	F10 Save and Exit				

3 When the Set SSD01 Password setting screen appears, enter the current password in [Enter Current Password].

xxxxxxxxxxx-xxxxx							
Enter Current Password Enter New Password	[	]					
Confirm New Password	[	]					

4 Press [Enter] in [Enter New Password] and [Confirm New Password].



5 When the **Notice** screen appears, press the [Enter] key.



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

7 When the **Setup Confirmation** screen appears, check **[Yes]** and press the [Enter] key. The PC will restart.



## Restoring the Factory Default Settings

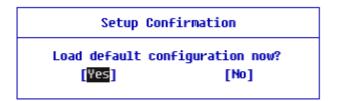
If you have changed the system setup by mistake, you can restore the default settings.

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

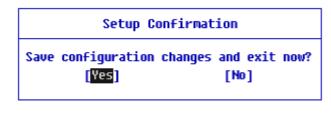
- 1 After opening the system setup screen, use the arrow keys to move to [Exit].
- 2 Click [Load Setup Defaults] by using the arrow keys and pressing [Enter].

		P	Phoenix Se	cureCo	re Tecl	nology	Setu	ab di	
Main	Advan	ced S	Security	B	oot	Exit			
Exit Sau Exit Dis Load Set	ving Chan scarding tup Defau Changes	ges Changes				]		<u> </u>	lten Specific Help o F9. Load standard default
F1			ect Item ect Henu	*/- Enter	Change	Values Sub-	Henu	F9 F10	Setup DeFaults Save and Exit

3 When the **Setup Confirmation** screen appears, check **[Yes]** and press the [Enter] key. The settings will be reset to the factory default.



5 When the **Setup Confirmation** screen appears, check **[Yes]** and press the [Enter] key. The PC will restart.





• 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), 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 Priority Order]** and press [F5] or [F6] to change the booting order.

	Advanc	ced	Security	Boot	Exit	
2.   3.   4.   5.   6.   7.   8.	riority Ord Vindows Bod ISB CD: NTA HDD1: X VIMe1: VUMe1: VUMe2: ISB HDD: ISB HDD: ISB FDD: ISB LAN:	ot Manag (XXXXXX)	xxx-xxxx			Iten Specific Help Keys used to view or configure device: { and l arrows Select a device. '*' and '-' nowe the di up or down. 'Shift + 1' enables disables a device. 'Del' delecte unprotected device.

4 Press the [F10] key, and when the **Setup Confirmation** screen appears, select **[Yes]** and press the [Enter] key.



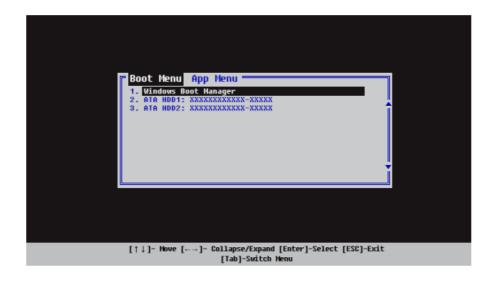
5 The changes are saved and the system reboots.

#### Selecting a Booting Device to Use

1 Reboot the system and press [F10].



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



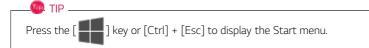
**3** Boots using the selected device.

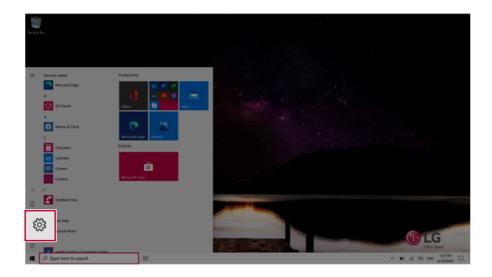
## Windows 10 Auto Scaling

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.





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

Settings				- a x
		Windows Settings		
	End	a setting	P	
System Display, sound, notific	our our	Phone Unit your Android, Phone	Network & Internet 10-FL anglane model, VPN	Personalization Eactypound, box somes, colors
power 	Total Association, Ministry, Ministr	Speech, region, date	Saming Ceme bar, captures, broadcasting, Came Mode	Ease of Access Nametice, respirate, high contrast
Search End my files, permissions	Cortana Cortana language, permissions, notifications	Phacy Location, camera, microphone	Update & Security Windows Update, recovery, backup	
,O Type here to search	Hi O			∧ 10 ≝ 00 <sup>1211 PM</sup> □

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

<li>6 Settings</li>		- <del>σ</del> ×
© Home	Display	
Find a setting ,P	Brightness and color Oursphrightness for the built in display	Sleep better Night light can help you get to sleep by displaying warmer colors at night.
C Display	Nghtage	Select Night light settings to set things up.
00 Sound	Night light settings	Help from the web
Notifications & actions		Setting up multiple monitors Adjusting font size
J Focus assist	Windows HD Color	Changing screen brightness
O Power & sleep	Get a brighter and more vibrant picture for videos, games and apps that support HGR. Windows IN Color writings	Fixing screen flickering
D Battery		Get help Gve feedback
ca Storage	Change the size of text, apps, and other items	
CB Tablet	150% (Recommended)	
EF Multitaking		
DP Projecting to this PC	Display resolution	
X Shared experiences	1920 × 1080 (Recommended) V	
D Opboard	Landscape V	
y <sup>c</sup> Remote Desktop	Multiple displays	
P Type here to search	H O	∧ ND .4E 00 DNG 540 PM □

### \_\_\_\_\_ TIP -

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

## Using Instant Booting

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

- 1 Select the [] button > [LG Software] to run [LG Control Center].
- 2 On the LG Control Center screen, select the [System Settings] menu.

E LG Control Center				_ × _
🔡 LG Contro	ol Cer	nter		1 help info
System Settings Configures various computer functions.	>	Power Management Sets the Power Mode of the computer.	>	Color Temperature Adjust the color to a warm or cold color for comfortable eyes or vividness.
enerthe		Set USB-C™ Charging		
ENERGY STAR		Windows Security Configures the User Account and Firewall option.	>	Set the system cooling mode to match the computer's use environment.
Sound	<b>●</b>		3	
Network Hardware	77 12 III	Enable Firewall User Account Setting	2	Silent Optimal Perf.

## 3 Set [Instant Booting] to [ON].

E LG Control Center				_ × _
System Se	etting	S		10 Delo info
LG Control Center > System S	Settings			nep mo
* Screen Brightness	90	(ii) Sound Size	60	Touchpad Set whether to use the touch pad.
Min	Max	Smaller	Bigger	
Advanced Settings		Mute	Off	Enable Disable
Set up so that the system will automatically boot up, when y	ou	<b>Keyboard Ba</b> Set the keyboard ba		🕎 External Display
open up the notebook compu	ter.		1. <b></b> .	PC screen Only
	ON 💽	Off Lo		

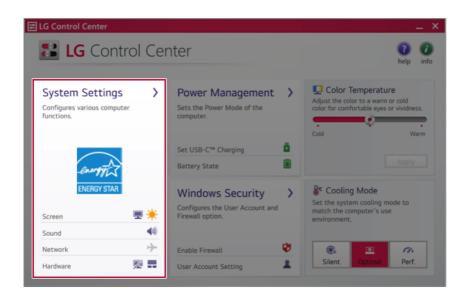
- 4 Shutdown the system and close the notebook PC cover.
- 5 When the cover is opened, the notebook PC turns on and the system starts to boot automatically.

# FAQ

# Using Instant Booting

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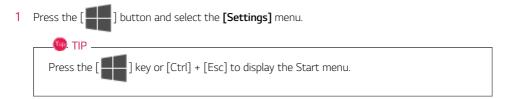
E LG Control Center					×
E System S	Setting	js		0 C	
LG Control Center > Syste	m Settings			nep in	10
<b>Screen</b> Brightness	90	<b>∢</b> ∂) Sound Size	60	E Touchpad Set whether to use the touch pad.	Î
Min	Max	Smaller	Bigger		
Advanced Settings		Mute	Off	Enable Disable	
Set up so that the system automatically boot up, whe open up the notebook com	en you	Set the keyboard Bac	5	External Display	l
	ON	Cff Low	High	PC screen Only	

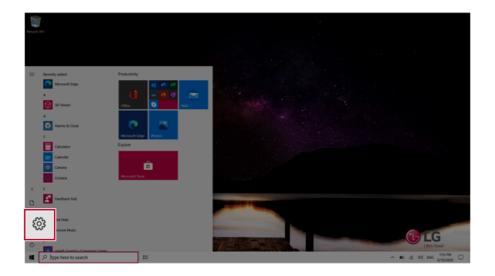
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Refer to the following information to change the DPI scaling to suit your needs.





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

Sette	¢							- a x
			W	Vindows Settings				
			Find a setting		0			
				,	~			
	System Display, sound, notific	ations,	۵	Phone Link your Android, iPhone	⊕	Network & Internet 196-Fi, aistane mode, VPN	ø	Personalization Background, lock sorrest, colors
	power - University of the second second	nov accounts, email, light, work, family	P	Time & Language Speech, region, date	8	Gaming Game bac captures. broadcasting, Game Mode	Ŀ	Ease of Access Nanatoc magnifier, high contrast
	Search Tend my files, permissions	O Cortana Cortana language, permission notifications	A	Privacy Location, camera, microphone	С	Update & Security Windows Update, recovery, backup		
4	,P Type here to search	# <b>O</b>						→ 10 II 00 I211 PM

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

4- Settings		- 0 ×
© Home	Display	
Find a setting	Brightness and color	Steep better
	-	Night light can help you get to sleep by displaying warmer colors at night.
System	Change brightness for the built-in display	Select Night light settings to set things up.
C Display	Night light	
dit Sound	• of	Help from the web
	Night light settings	Setting up multiple monitors
Notifications & actions		Adjusting font size
ال focus assist	Windows HD Color	Changing screen brightness
O Power & sleep	Get a brighter and more vibrant picture for videos, games and apps that support HDR.	Fixing screen flickering
O Power & seep	Windows HD Color settings	<b>2</b>
D Battery		Get help Give feedback
🖙 Storage	Change the size of text, apps, and other items	
C8 Tablet	change the size of text apps, and other items	
	150% (Recommended) V	
H Multitaking		
D Projecting to this PC	Display resolution	
X Shared experiences	1920 × 1000 (Recommended) V	
	Display orientation	
D Olphoard	Landscape V	
y Remote Desktop	Multiple directors	
P Type here to search	DI O	∧ mo 41 00 pro 549 PM □

#### 🚇 TIP -

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

## Restoring the System

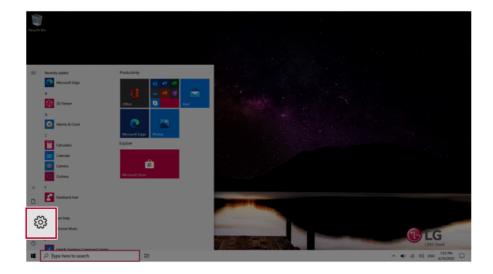
If the system has an error, you can use Windows 10's recovery function to recover or restore the system to its initial pre-purchase state.

## - 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.



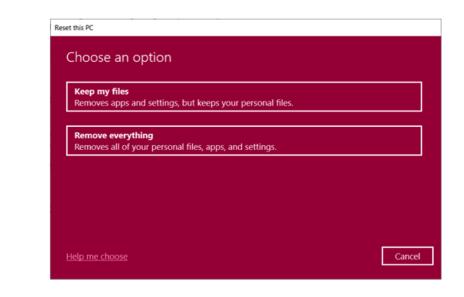
2 When the [Settings] screen appears, select [Update & Security].



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

← Settings	
යි Home	Recovery
Find a setting	Reset this PC
Update & Security	If your PC isn't running well, resetting it might help. This lets you choose to keep your personal files or remove them, and then reinstalls Windows.
C Windows Update	Get started
🚊 Delivery Optimization	
Windows Security	Advanced startup
T Backup	Start up from a device or disc (such as a USB drive or DVD), change your PC's firmware settings, change Windows startup settings, or restore Windows from a system image. This will restart your PC.
/> Troubleshoot	Restart now
윤 Recovery	
<ul> <li>Activation</li> </ul>	More recovery options

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.

eset this PC			
How would you like to reinsta	all Window	ıs?	
Cloud download Download and reinstall Windows			
Local reinstall Reinstall Windows from this device			
Cloud download can use more than 4 GB of (	data.		
Help me choose		Back	Cancel

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



Reset this PC	
Additional settings	
Current settings: • Download and reinstall Windows <u>Change settings</u>	
<u>Learn more</u>	Back Next Cancel

## Remove everythings

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



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].

Keep my files				
Removes apps and settings, but keeps your personal files.	Keep my files Removes apps a	nd settings, but keeps yo	our personal files.	
		bina		
			and settings.	
			and settings.	
Remove everything Removes all of your personal files, apps, and settings.				

## 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.

Reset this PC	
How would you like to reinstall Windo	swc?
Cloud download Download and reinstall Windows	
Local reinstall Reinstall Windows from this device	
Cloud download can use more than 4 GB of data.	
<u>Help me choose</u>	Back Cancel

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

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

Reset this PC	
Additional settings	
Current settings: • Remove apps and files. Do not clean the drive • Delete all files only from Windows drive • Reinstall Windows from this device <u>Change settings</u>	
Learn more Back	Next Cancel

# Connecting to External Display

👊 TIP \_\_\_\_\_

#### Connecting to the HDMI Port

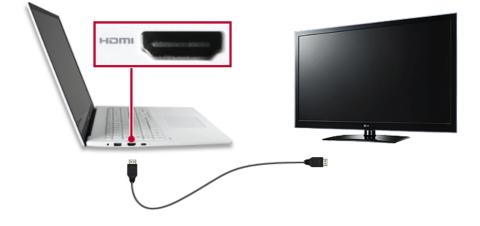
🔟 TIP \_\_\_\_

HDMI is a high-speed multimedia interface that can transfer uncompressed full digital audio and video signals.

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

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 monitor (projector) toggling screen. Select the desired screen output.

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



- 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).

#### 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.

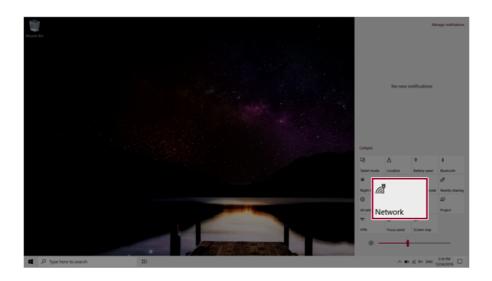
In case there are no accessible wireless networks (Wireless LAN) near the PC, no Access Points may be found.

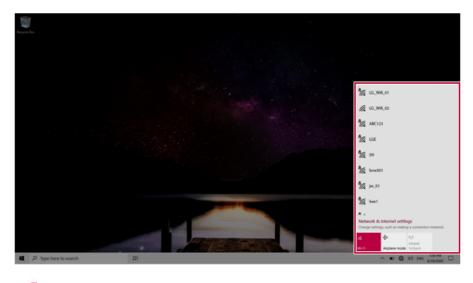
A password protected Access Point cannot be accessed without the correct password.

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.





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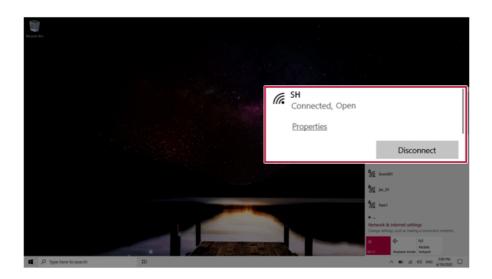
If Wi-Fi is turned off, press the [Wi-Fi] tile.

Wi-Fi	
Turn Wi-Fi back on	
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3 Select the Access Point you want to connect to and press [Connect].

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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.