## **3** Set the [Cycle].

<b>一</b>	
L L L L L L L L L L L L L L L L L L L	C LG Update Center
ENGLISH	EG Update Center > Not
	Auto Update S
	Use the Notification featurequired update installation

LG Update Center			_ × _
Notification Se			Point      Point
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 * 10:00 *	Exceptions to Notification : 0	Case	

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.

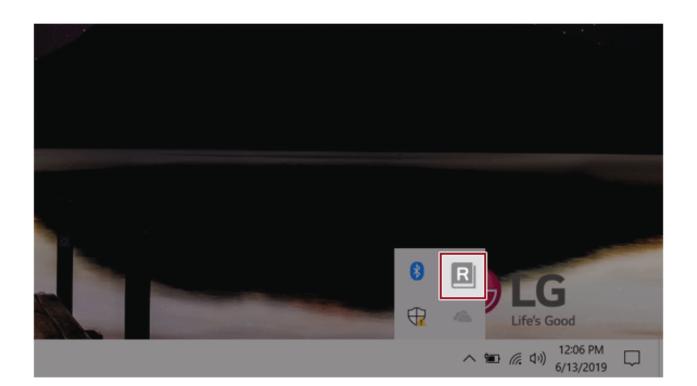
# LG Reader Mode

turn off **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 <b>Reader Mode</b> and the <b>Night light</b> at the same time can cause color distortion. When you use the <b>Reader Mode</b> , turn off the <b>Night light</b> .
<ul> <li>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.</li> </ul>
TIP
You can use hot keys to use the <b>Reader Mode</b> function more conveniently.
• Press the [Fn] + [F9] keys to switch the PC screen to <b>reader mode</b> . Press them again to

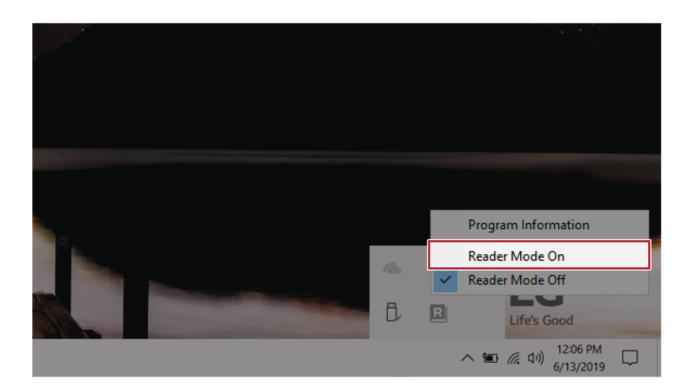
1 Press the [ R ] icon on the taskbar.



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

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

🔟 TIP —

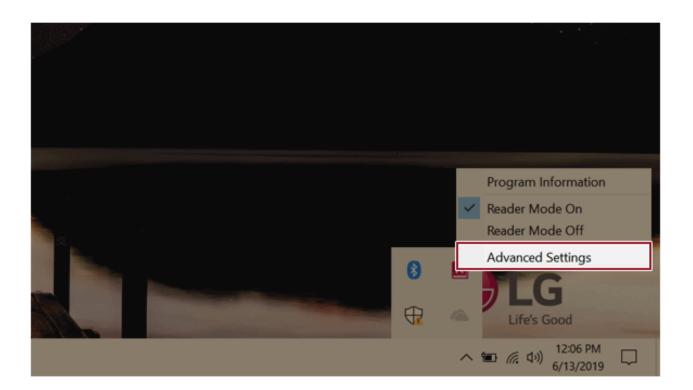


## Using Advanced Settings

🔟 TIP 🗕

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

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



2 The [Advanced Settings] windows appears.

R A	dvanced Settings				×
0	SYSTEM BRIGHTNESS			_	50
Colo	or Adjustment				
	● RED	Brightness			20
9		Contrast			50
		Gamma			1.0
		-			
		3	Reset	ОК	Cancel

- 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.

# 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

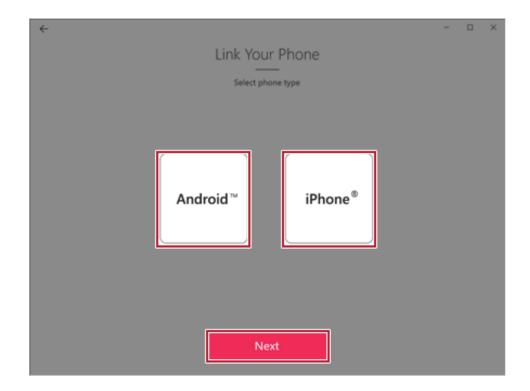
1 Press the [

] 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.

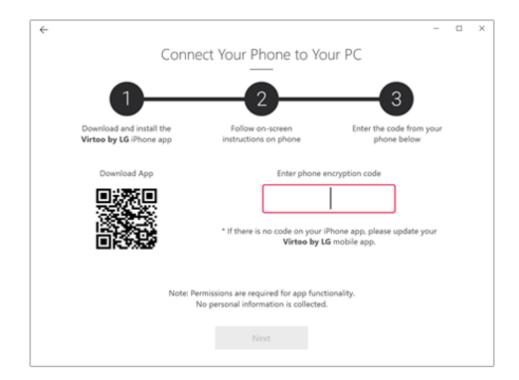


4 Follow the instructions to connect your smartphone and PC.

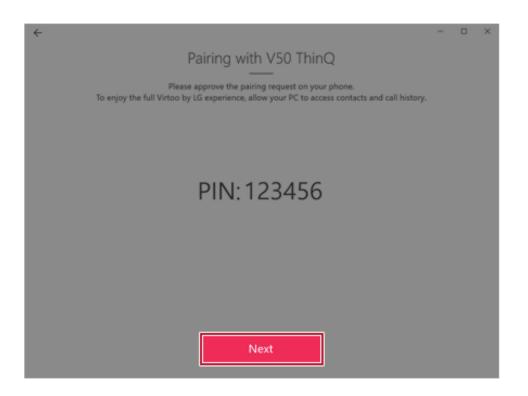
#### Android



#### iPhone

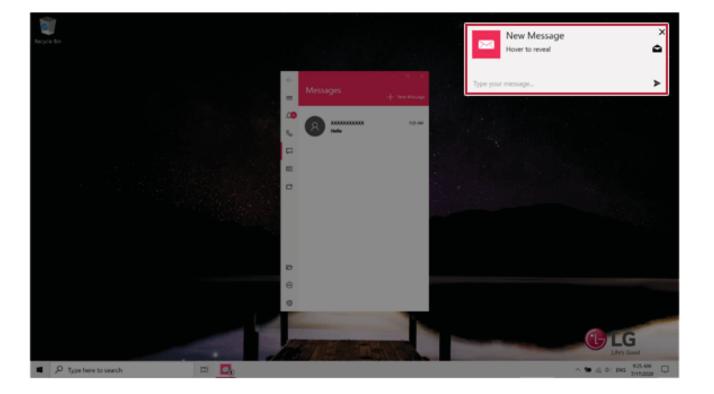


- 5 When an identical PIN Code appears on both PC and smartphone, tap the **[Register]** or **[Pair]** button on the smartphone.
- 6 On the PC, click the **[Next]** button to finish the connection.



#### 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.

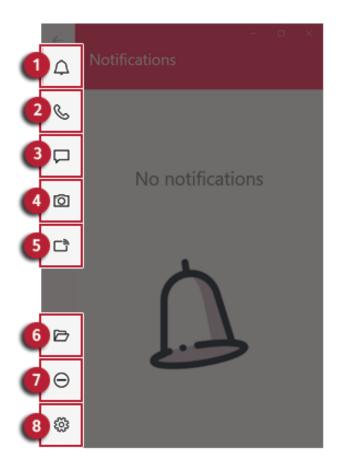


## 1 TIP \_\_\_\_\_

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.

#### - 💷 TIP —

#### Precautions When Typing a Text

LG smartphone: You can use the PC keyboard to type characters. Press the Korean/English key or [Shift]+[Spacebar] to switch languages, according to smartphone model.

iPhone: You can use the PC keyboard to type characters. Press the [

] icon at the top

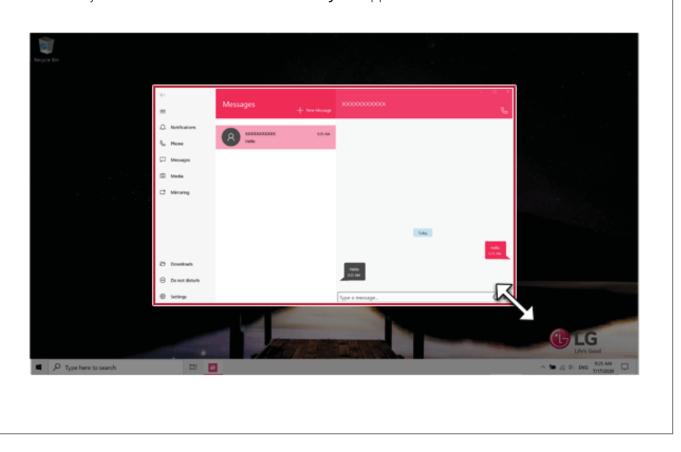
of the screen to switch Korean/English.

Other smartphones: Display an input window at the top of the screen when you enter texts using a PC keyboard. You can type characters using the input console.

🔟 TIP \_\_\_\_\_

- 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.

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



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

#### ण 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.

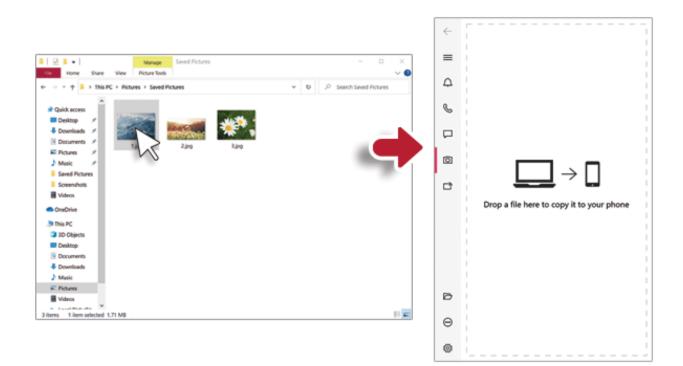
#### Storing PC Files on Your Smartphone

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.

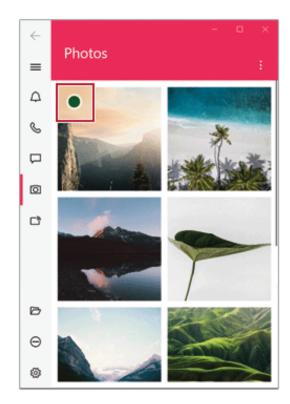


Storing Smartphone Files on Your PC

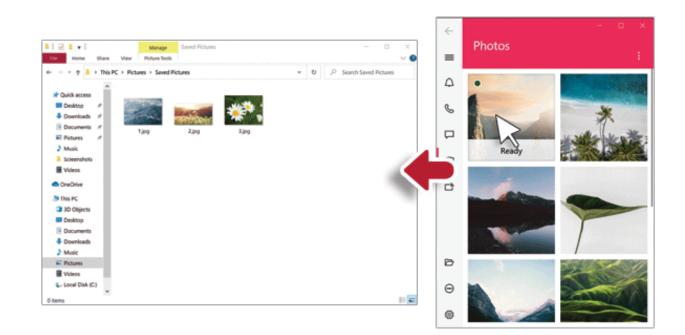
1 Select file to share from the Media screen.



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.

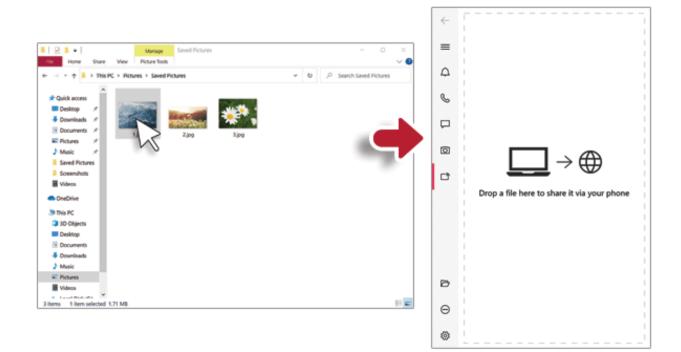
The keyboard and mouse on the PC acts on the smartphone as if Bluetooth keyboard and mouse are connected to it.

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

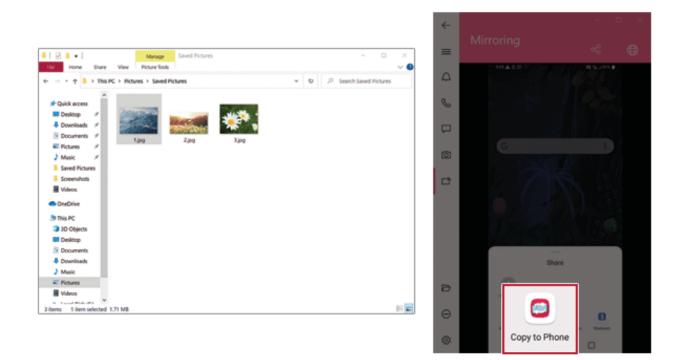
Files sent from your smartphone are stored in the [Download] folder of your PC.

#### Storing PC Files on Your Smartphone

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



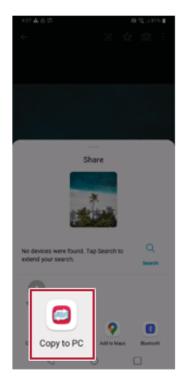
2 Click the [Copy to Phone] button to store the file(s) on your smartphone or click another app icon to share the file(s) on the app.



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.

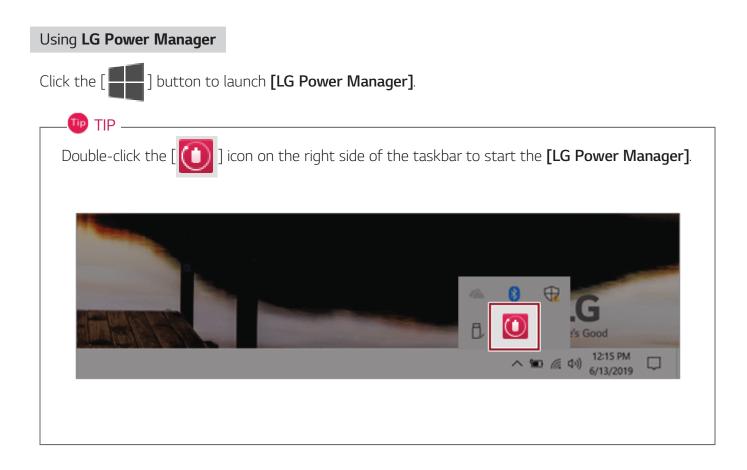
# LG Power Manager

🔟 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.



	<u> </u>
LG Power Manager	? <u> </u>
3 94% Battery in use	User Hibernate Mode     User Hibernate Mode     Image: Stress of the stress     Display Off Time     Mainutes     Image: Stress of the stress     Apps using a lot of battery power (for the past 24 hours)
Battery Management > Settings	Windows Explorer  LG Control Center  Console Window Host

- **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 aut	tomatically when running Windows.
You can change the Autorun setting	s by right-clicking the [100] icon on the right side of the
taskbar and selecting the [Run autor	matically when starting the Windows] menu.
	Open LG Power Manager
	User Hibernate Mode : None
	Run automatically when starting the Windows
	Version Exit
	Life's Good
	へ 留 🦟 印) <sup>12:06 PM</sup> 💭 9/24/2019

# 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]**.



Fn Set custom Hot Keys	_ ×
Set custom Hot Keys           Set functions to use with user Hot Keys           You can register the file to start the program or Internet address.	
Fn + 1 You can use it after registration.	
Fn + 2 1 You can use it after registration.	
Fn + 3 1 You can use it after registration.	
Fn + 4 1 You can use it after registration.	
Fn + 5 1 You can use it after registration.	
Fn + S Switch to Power Saving Mode.	
OK	Cancel

# Setting Hot Keys

# . 😳 TIP \_\_\_\_\_

Hot keys can be set from 1 to 5, and the [Fn] + [S] Sleep Mode cannot be changed.

1 On the Hot Keys Settings List, tap the navigation icon [0] or Internet icon [0] to register the desired app or Internet address.

Fn Set custom Hot Keys	_ ×
Fn Set custom Hot Keys	
Set functions to use with user Hot Keys You can register the file to start the program or Internet address.	
Fn + 1 You can use it after registration.	
Fn + 2 1 You can use it after registration.	
Fn + 3 1 You can use it after registration.	
Fn + 4 1 You can use it after registration.	
Fn + 5 1 You can use it after registration.	
Fn + S Switch to Power Saving Mode.	
ОК	Cancel

## 🕕 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.

	Open	
LG Cont Cente	Fn Add this program to a shortcut key >	1 Add to Fn + 1
	b Shred	2 Add to Fn + 2
	Open file location	3 Add to Fn + 3
	Run as administrator	4 Add to Fn + 4
	Troubleshoot compatibility Pin to Start	5 Add to Fn + 5
	🖯 Scan	
	Pin to taskbar	
	Restore previous versions	
	Send to	
	Cut	
	Сору	
	Create shortcut	
	Delete	and the second
	Rename	
	Properties	

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

Fn Set	custon	n Ho	t Keys		—	×
Fn	Set	CL	istoi	n Hot Keys		
				o use with user Hot Keys r the file to start the program or Internet address.		
	Fn	+	1	E LG Control Center.exe		
	Fn	+	2	S http://www.lg.com		
	Fn	+	3	(1) You can use it after registration.		
	Fn	+	4	(!) You can use it after registration.	Q	
	Fn	+	5	(!) You can use it after registration.	Q	
	Fn	+	S	Switch to Power Saving Mode.		
				ОК	Cancel	

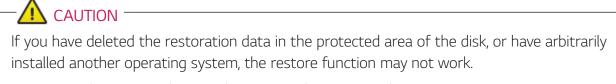
**3** Press [OK] to complete the setup.

Fn Set custom Hot Keys	;	_ ×
Set functions t	m Hot Keys to use with user Hot Keys er the file to start the program or Internet address.	
Fn + 1	E LG Control Center.exe	Q
Fn + 2	S http://www.lg.com	
Fn + 3	1 You can use it after registration.	
Fn + 4	1 You can use it after registration.	
Fn + 5	1) You can use it after registration.	
Fn + S	Switch to Power Saving Mode.	
	ОК	Cancel

# Restoring the System

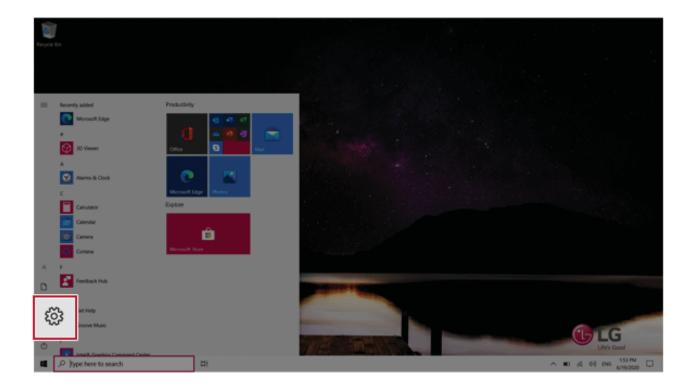
# Restoring the System

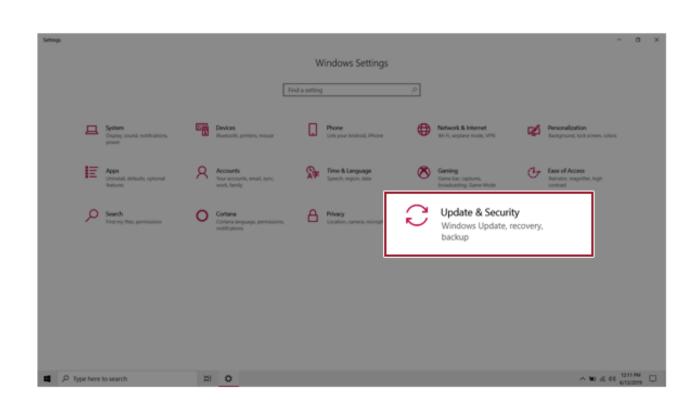
If the system has an error, you can use Windows 10's recovery function to recover or restore the system to its initial pre-purchase state.



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

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



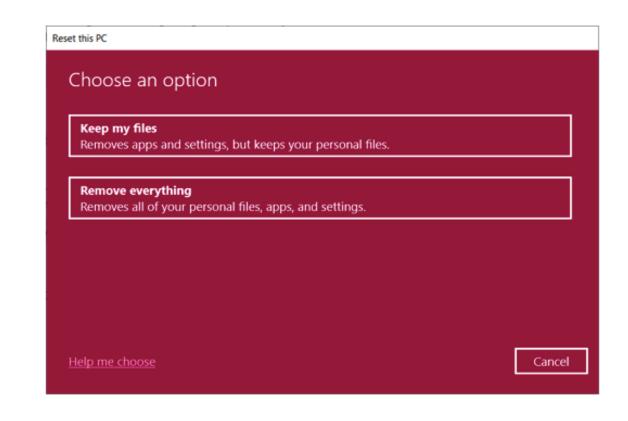


2 When the [Settings] screen appears, select [Update & Security].

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

← 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
	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.
/P Troubleshoot	Restart now
윤 Recovery	
<ul> <li>Activation</li> </ul>	More recovery options

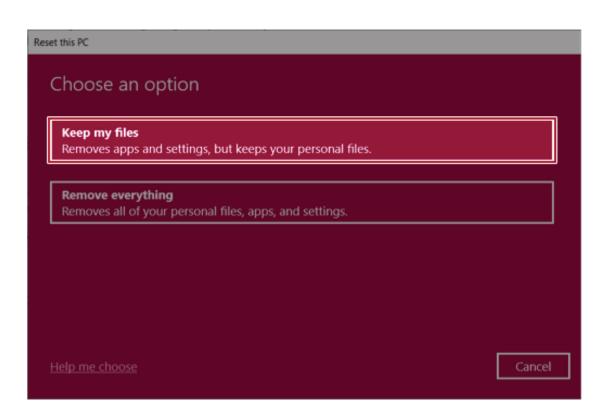
4 If the following option screen appears, select a desired option to proceed with recovery.



## 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.

et this PC			
How would you like to reinst	tall Window	is?	
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	Cance

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>	
	7
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.				
<u>Help me choose</u>	Back Cancel			

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



Res	et 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>			
	<u>Learn more</u> Ba	ck	Next	Cancel

# 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.



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.

U LG Recovery Center			×			
U LG Recovery Center RE						
이 한글	O German	O Italian				
English	○ Japanese	O Canadian French				
O Brazilian Portuguese	<ul> <li>Chinese(Simplified)</li> </ul>					
○ Spanish	<ul> <li>Chinese(Traditional)</li> </ul>					
O French	O Vietnamese					
O European Portuguese	O Polish					
		Next				

**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.

🛆 Cauti	on				
		rform the factory res outlet to prevent th			
process.	to a power	outlet to prevent th	e bactery from runn	ing out during	the factory reset
Do not for	cefully shut down the	e system while the fa	ctory reset is in pro	gress.	
VUser /	Agreement				
prevent da					loss of personal data. To such as a USB memory,
LG Electro	nics is not responsibl	e for any data lost du	ue to factory reset.		
					I Agree

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

LG Recovery Center	×
U LG Recovery Center RE	
The hard disk was reset to the factory default.	
Complete	]

## **Recovery Drive**

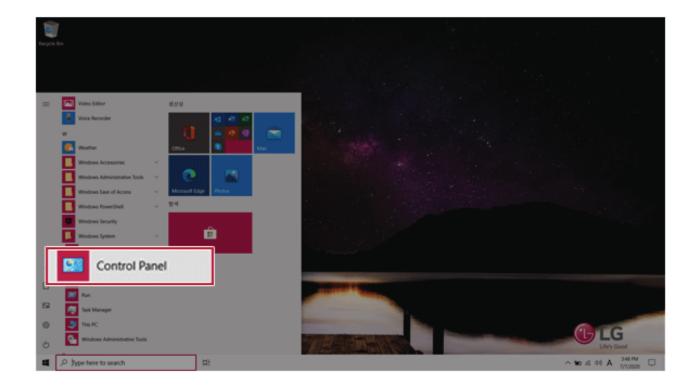
#### Creating Recovery Drive

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.

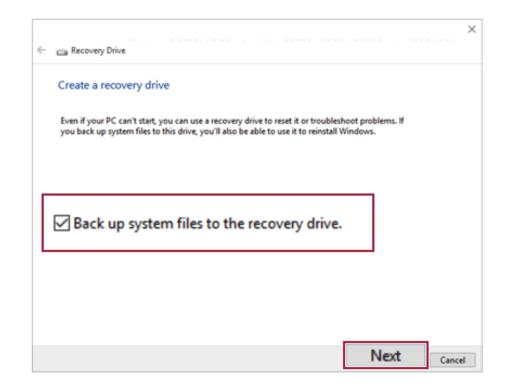
1 Press the [ ] > [Windows System] button and run [Control Panel].



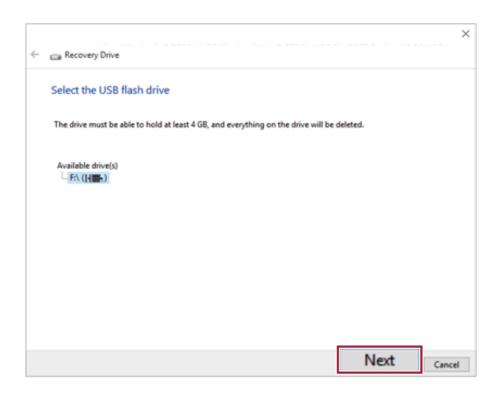
2 Press [Recovery] in the control panel and select [Create a recovery drive].

→ · · ↑ 🛅 > Control Pane	el > All Control Panel Items	v Ŭ ,≏ Sea	rch Control Panel
Adjust your computer's sett	ings		View by: Small icons *
Administrative Tools	Ro AutoPlay	Backup and Restore (Windows 7)	📓 Color Management
Credential Manager	📸 Date and Time	lig Default Programs	💐 Device Manager
P Devices and Printers	C Ease of Access Center	File Explorer Options	b File History
Flash Player (32-bit)	K Fonts	Indexing Options	C Internet Options
- Keyboard	Mail (Microsoft Outlook 2016)	🛷 Mouse	22 Network and Sharing Center
Phone and Modern	Power Options	T Programs and Features	Recovery
Region	RemoteApp and Desktop Connections	Y Security and Maintenance	
Ø Speech Recognition	i Storage Spaces	Sync Center	🥦 System
Taskbar and Navigation	Troubleshooting	R User Accounts	📽 Windows Defender Firewall
Windows Mobility Center	🐞 Work Folders		

**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 Upda	ate Center to	install the Driver
---------------	---------------	--------------------

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

C LG Update C	Cer	nter		10 help in
				C Server Connection
Required Update	>	All List	>	Notification Setting
Checking the required items in the update list.		Check all current installa items that need to be up		Set the notification and notification cycle for new installations and updates.
		B. Dohna i	1 Case	
		Driver : Application :	0 Case	Q. Auto Update Search : C
		Windows patch :	0 Case	Q Auto Update Search : C C C C C C C C C C C C C C C C C C C
		• materia pacan	0000	Cycle .

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

# 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.

# A CAUTION

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

1 Reboot the system and press [F2].





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

System Time	[09:00:00]	
System Date	[Fri 12/04/2020]	
Product Name	17U70P-XXXXX	
BIOS Version	17U70B14.T071	
Keyboard Controller Revision	0.13	
Build Date and Time	11/18/2020 15:31:21	
Serial number	XXXXXXXXXXXXX	
UUID Number	XXXXXXXX-XXXX-XXXX-XXXX-	
	XXXXXXXXXXXX	
Processor		
Processor Type	11th Gen Interl(R)	
	Core(TM) i7-1165G7 @	
	2.80 GHz	-++ : Select Screen
Processor Speed	2800 GHz	t1: Select Item
System Bus Frequency	100 MHz	Enter: Select
Memory Frequency	3200 MHz	F5/F6: Change Opt.
Total Memory	16384 MB (DDR4)	F1: General Help
PCIE SSD1	*****	F9: Optimized Defaults F10: Save & Exit
PCIE SSD2	XXXXXXX	ESC: Exit
	XXXXXXXXXXXX-XXXXX	
Open source license		

## 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.

# 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.

Main Advanced Security	Aptio Setup - AMI Boot Exit	
Account's Password Status Supervisor Password User Password	NOT INSTALLED NOT INSTALLED	
Set Supervisor Password		
Secure Boot Configuration UEFI Secure Boot	Enabled	
Secure Boot Install Default Secure Boot Keys Delete All Secure Boot Keys	[Enabled]	
HDD Security Status SSD1 Password is Set SSD1 Password	Cleared	++ : Select Screen +1 : Select Item
SSD2 Password is Set SSD2 Password	Cleared	Enter: Select F5/F6: Change Opt. F1: General Help
Trusted Platform Module TPM Support TPM Configuration	[0N]	F9: Optimized Defaults F1:0: Save & Exit ESC: Exit
Version	2.21.1278. Copyright (C) 2	2020 AMI

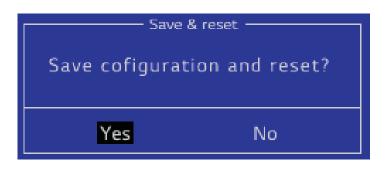
When the Create New Password screen appears, enter a password and press the [Enter] key. The password should not exceed 20 characters and should consist of English letters (A - Z), numbers (0 - 9), and special characters or a combination of them.



4 When the **Confirm New Password** screen appears, enter the password once again and press the [Enter] key.



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



🔟 TIP 🗕

 The Supervisor Password gives one the authority to set all items in System Setup and to set [Power on Password]. It is advisable to use a User Password if other persons also use the computer.

#### Set Supervisor Password

The password set by the **Set User Password** process is lower 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, select **[Set User Password]** and press the [Enter] key.

	Aptio Setup - AMI	
Main Advanced Security	Boot Exit	
Account's Password Status Supervisor Password User Password	INSTALLED NOT INSTALLED	
Set User Password		
FOWER OIL PASSWOLD	[pissureu]	
Secure Boot Configuration UEFI Secure Boot	Enabled	
Secure Boot > Install Default Secure Boot Keys > Delete All Secure Boot Keys	[Enabled]	
HDD Security Status SSD1 Password is	Cleared	→+ : Select Screen ↑↓ : Select Item
Set SSD1 Password SSD2 Password is Set SSD2 Password	Cleared	Enter: Select F5/F6: Change Opt. F1: General Help
Trusted Platform Module TPM Support TPM Configuration	[0N]	F9: Optimized Defaults F10: Save & Exit ESC: Exit
Version	2.21.1278. Copyright (C) 2	2020 AMI

3 When the Create New Password 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 the **Confirm New Password** screen appears, enter the password once again and press the [Enter] key.



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

Save & reset	
Save cofiguration and reset?	
Yes	No

#### 🔟 TIP —

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

#### Power on Password

Power on Password protects the system by requesting [Set Supervisor Password] or [Set User Password] input during bootup.

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]**.

Aptio Setup - AMI		
Main Advanced Security	Boot Exit	
Account's Password Status Supervisor Password User Password	INSTALLED	
Set Supervisor Password Set User Password		
	[primerce]	
Secure Boot Configuration UEFI Secure Boot	Enabled	
Secure Boot ▶ Install Default Secure Boot Keys ▶ Delete All Secure Boot Keys	[Enabled]	
HDD Security Status SSD1 Password is Set SSD1 Password	Cleared	→+ : Select Screen ↑↓ : Select item Enter: Select
SSD2 Password is Set SSD2 Password	Cleared	F5/F6: Change Opt. F1: General Help
Trusted Platform Module TPM Support TPM Configuration	[0N]	FS: Optimized Defaults F10: Save & Exit ESC: Exit
Version	2.21.1278. Copyright (C)	2020 AMI

3 Select **[Power on Password]** and press the [Enter] key. A pop-up window will appear. Select **[Enabled]** and press [Enter] to complete the **[Power on Password]** setting.

Aptio Setup - AMI Main Advanced <mark>Security</mark> Boot Exit		
Account's Password Status Supervisor Password User Password	INSTALLED	
Set Supervisor Password		
Power on Password	[Enabled]	
Secure Boot Configuration UEFI Secure Boot	Enabled	
Secure Boot Install Default Secure Boot Keys Delete All Secure Boot Keys	[Enabled]	
HDD Security Status SSD1 Password is	Cleared	++ : Select Screen  † 1 : Select Item
Set SSD1 Password SSD2 Password is Set SSD2 Password	Cleared	Enter: Select F5/F6: Change Opt. F1: General Help
Trusted Platform Module TPM Support	[0N]	F9: Optimized Defaults F10: Save & Exit
TPM Configuration	[34]	ESC: Exit

#### Set SSD Password

**SSD Password** is a password set for the SSD separately from the **Supervisor Password**.

For the models equipped with two **SSD** devices, the menu names are shown as **SSD1**, **SSD2**, etc.

For the models equipped with two SSD devices, you can set a password for each device. If passwords are set for both devices, the password input window appears twice during the booting process.

The order in which the password input window appears is according to the [Boot Priority Order] of the [Boot] menu at the top.

- 1 After opening the system setup screen, use the arrow keys to move to [Security].
- 2 When the **Security** item appears, select **[Set SSD1 Password]** using the arrow keys and press the [Enter] key.

Aptio Setup - AMI		
Main Advanced Security	Boot Exit	
Account's Password Status		
Supervisor Password	INSTALLED	
User Password	INSTALLED	
Set Supervisor Password		
Set User Password		
Power on Password	[Enabled]	
Secure Boot Configuration		
UEFI Secure Boot	Enabled	
Secure Boot Install Default Secure Boot Keys	[Enabled]	
Delete All Secure Boot Keys		
· · · · · · · · · · · · · · · · · · ·		
HDD Security Status	011	-++ : Select Screen
Set SSD1 Password		†1: Select Item
	0100100	Enter: Select
Set SSD2 Password		F5/F6: Change Opt. F1: General Help
		F9: Optimized Defaults
Trusted Platform Module		F10: Save & Exit
TPM Support TPM Configuration	[0N]	ESC: Exit
- This configuration		
Version	2.21.1278. Copyright (C) 20	020 AMI

3 When the Create New Password screen appears, enter a password and press the [Enter] key. The password should not exceed 32 characters and should consist of English letters (A - Z), numbers (0 - 9), and special characters or a combination of them.



4 When the **Confirm New Password** screen appears, enter the password once again and press the [Enter] key.



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

Save cofiguration and reset?		

## CAUTION

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

• Please note that replacement of SSD due to forgotten **SSD 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].

— Enter Password ———	

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

#### Deleting the Password

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



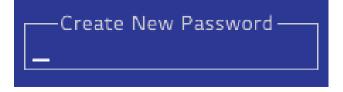
2 On the initial setup screen, use the arrow keys to move to **[Security]**, select **[Set Supervisor Password]**, and press the [Enter] key.

Aptio Setup - AMI Main Advanced <mark>Security</mark> Boot Exit		
Account's Password Status Supervisor Password User Password	INSTALLED NOT INSTALLED	
Set Supervisor Password		
Power on Password	[disabled]	
Secure Boot Configuration UEFI Secure Boot	Enabled	
Secure Boot Install Default Secure Boot Keys Delete All Secure Boot Keys	[Enabled]	
HDD Security Status SSD1 Password is Set SSD1 Password	Cleared	->+-: Select Screen ↑↓: Select Item
SSD2 Password is Set SSD2 Password	Cleared	Enter: Select F3/F6: Change Opt. F1: General Help
Trusted Platform Module TPM Support TPM Configuration	[ON]	F9: Optimized Defaults F10: Save & Exit ESC: Exit
Version	2.21.1278. Copyright (C) 2	020 AMI

**3** Type the current password and press Enter.



4 When the **Create New Password** screen appears, press the [Enter] key.



5 When the **WARNING** screen appears, select **[Yes]** and press the [Enter] key.



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

Save & reset		
Save cofiguration and reset?		
Yes	No	

## Deleting the Password (Set SSD Password)

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



2 On the initial setup screen, use the arrow keys to move to **[Security]**, select **[Set SSD1 Password]**, and press the [Enter] key.

## -🔟 TIP —

For the models equipped with two **SSD** devices, the menu names are shown as **SSD1**, **SSD2**, etc.

Aptio Setup - AMI		
Main Advanced Security	Boot Exit	
Account's Password Status Supervisor Password User Password	INSTALLED INSTALLED	
Set Supervisor Password Set User Password	INSTALLED	
Power on Password	[Enabled]	
Secure Boot Configuration UEFI Secure Boot	Enabled	
Secure Boot ▶ Install Default Secure Boot Keys ▶ Delete All Secure Boot Keys	[Enabled]	
HDD Security Status		++:Select Screen ↑↓:Select Item Enter:Select
Set SSD2 Password	CIURICO	F5/F6: Change Opt. F1: General Help F9: Optimized Defaults
Trusted Platform Module TPM Support TPM Configuration	[0N]	F10: Save & Exit ESC: Exit
	2 21 1220 Constants (C) 2020 AL	

**3** Type the current password and press Enter.



4 When the **Create New Password** screen appears, press the [Enter] key.



5 When the **WARNING** screen appears, select **[Yes]** and press the [Enter] key.



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

Save & reset	
Save cofiguration and reset?	
Yes	No

# 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 Open the initial system setup screen and use the arrow keys to move to **[Exit]**.
- 2 Use the arrow keys to select **[Load Setup Defaults]** and press the [Enter] key.

Aptio Setup - AMI		
Main     Advanced     Security     Boot     Exit       Exit Saving Changes     Save Change Without exit     Exit Discarding Changes     Load Setup Defaults       Load Setup Defaults     Uiscard Changes     Save Changes     Save Changes	<pre>** : Select Screen f1 : Select Item Enter: Select F5/F6: Change Opt. F1: General Help F9: Optimized Defaults F10: Save &amp; Exit ESC: Exit</pre>	
Version 2.21.1278. Copyright (C) 2020 AMI		

**3** When the **Load Optimized Defaults** screen appears, select **[Yes]** and press the [Enter] key. The settings will be reset to the factory default.

Load Optimized Defaults	
Load Optimized Defaults?	
Yes No	

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

5 When the **Save & Reset** screen appears, select **[Yes]** and press the [Enter] key. The PC will restart.

Save	& reset
Save cofigurat	tion and reset?
Yes	No

Tip	Т	D	

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

# 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.

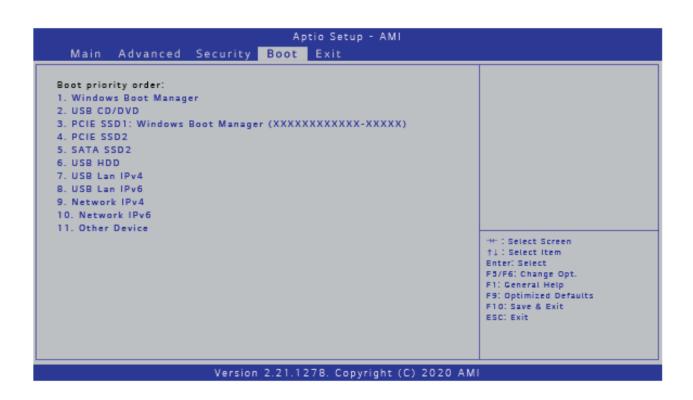
#### Changing the Boot Order

1 Reboot the system and press [F2].

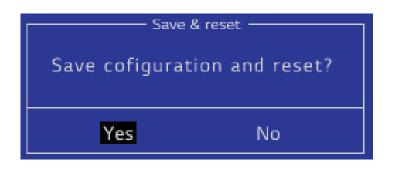


2 Move to the **[Boot]** menu when the system setup screen appears.

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



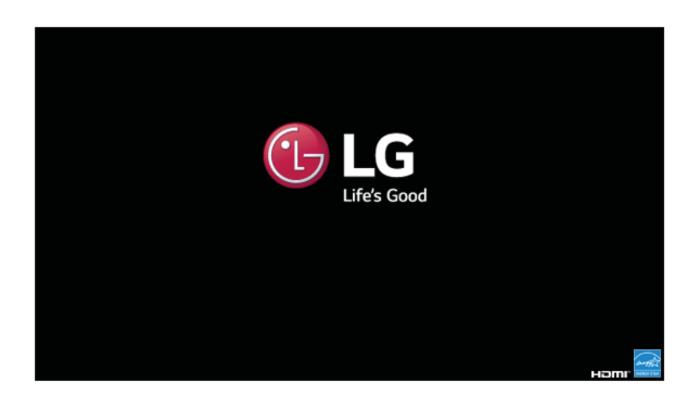
4 Press the [F10] key, and when the **Save & Reset** screen appears, select **[Yes]** and press the [Enter] key.



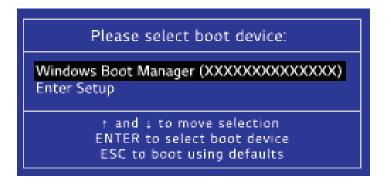
5 The changes are saved and the system reboots.

## Selecting a Booting Device to Use

1 Reboot the system and press [F10].



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

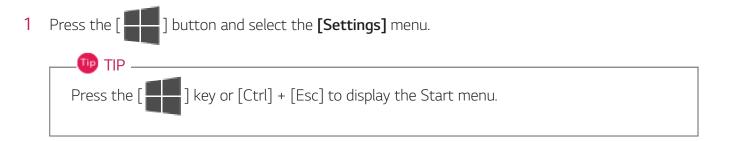


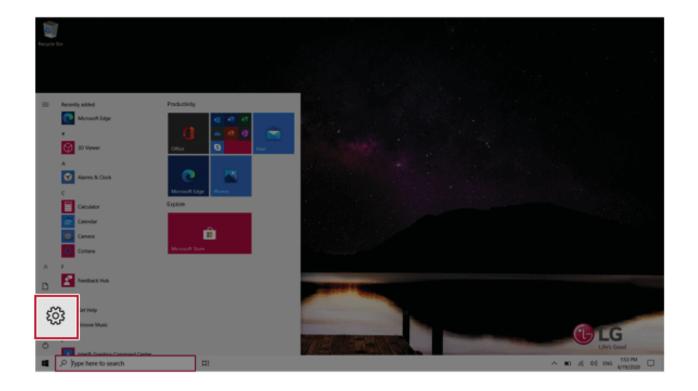
**3** Boots using the selected device.

# 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.





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

Setting	μ					w	/indows Settings				-	o ×
					E	Find a setting		Ŗ				
ſ	旦	System Display, sound, notif	fication	s,	ouse	۵	Phone Link your Android, iPhone	⊕	Network & Internet 101-Fi, argiane mode, VPN	ø	Personalization Background, lock screen, colors	
L	-	power serves		tour decounts, em work, family	n igne	æ	Time & Language Speech, region, date	8	Garning Game bar, captures, broadcasting, Game Mode	G	Ease of Access Narrator, magnifier, high contrast	
	Q	Search Find my files, permissions		<b>Cortana</b> Cortana language, notifications	permasions.	۵	Privacy Sociation, camera, microphone	С	Update & Security Windows Update, recovery, beckup			
4	,P Type here	to search	<b>∷</b> ti	0							∧ 10 ± 00 ∧	PM 🖵

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

4- Settings		- 0 ×
- sends		- 0 ×
ŵ Home	Display	
Find a setting	Brightness and color	Sleep better
		Night light can help you get to sleep by displaying warmer colors at night.
System	Orange brightness for the built-in display	Select Night light settings to set things
Display	Note light	up.
- Unipaty	• of	
48 Sound	Night light settings	Help from the web
Notifications & actions		Setting up multiple monitors
	Windows HD Color	Adjusting font size
J Focus assist		Changing screen brightness Fixing screen flickering
O Power & sleep	Get a brighter and more vibrant picture for videos, games and apps that support HDR.	
0.0000	Windows HD Color settings	Get help
Buttery		Gve feedback
ca Storage	Change the size of text, apps, and other items	-
C8 Tablet		
LE Multiaking	150% (Recommended) V	
H: MUREARING		
d₽ Projecting to this PC	Display resolution	
X Shared experiences	1920 × 1000 (Recommended)   Display orientation	
D Opboard		
	Landscape V	
3 <sup>C</sup> Remote Desktop	Multinle displays	
P Type here to search	H 0	∧ #0 .4 00 ENG 64150020 □

#### 🕕 TIP -

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

# 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.



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.

○ 한글	O German	O Italian
<ul> <li>English</li> </ul>	○ Japanese	O Canadian French
O Brazilian Portuguese	○ Chinese(Simplified)	
O Spanish	<ul> <li>Chinese(Traditional)</li> </ul>	
○ French	○ Vietnamese	
O European Portuguese	O Polish	

**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.



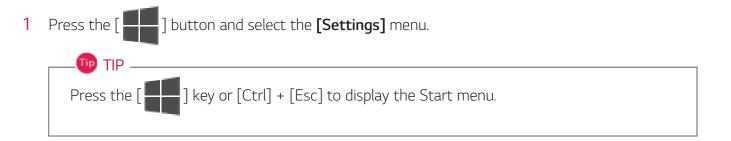
4 When factory reset is complete, press the [Complete] button to restart the system.

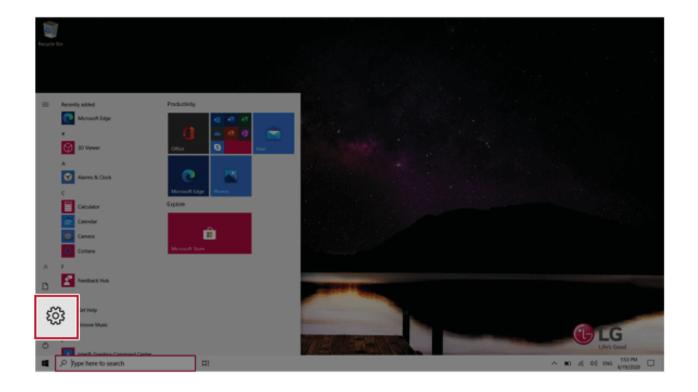
U LG Recovery Center	×
U LG Recovery Center RE	
The hard disk was reset to the factory default.	
Complete	

# 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.





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

Settings								- 1	o ×
			W	Vindows Settings					
			Find a setting	1	R				
	System Display, sound, notifi	ications,	۵	Phone Unik your Android, iPhone		Network & Internet 101-Fi, anglane mode, 1/751	ø	Personalization Eaclignount, lock screen, colors	
	power unnetati anauto, optioner features	tour accounts, email, sync, work, family	æ	Time & Language Speech, region, date	8	Gaming Game bar, captures, broadcasting, Game Mode	ው	Ease of Access Narrator, magnifiler, high contract	
م	Search Find my files, permissions	O Cortana Contana Tanguage, permission notifications	<u> </u>	Privacy Location, camera, microphone	C	Update & Security Windows Update, recovery, beckup			
.P Type here	to search	H O						~ ₩ 45.00 (2117) 6/13/00	, ,

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

<ul> <li>Settings</li> </ul>		- 8 ×
© Home	Display	
Find a setting	Brightness and color	Sleep better
	binginaress and color	Night light can help you get to sleep
System	Orange brightness for the built-in display	by displaying warmer colors at night. Select Night light settings to set things
		up.
C Display	Night light	
Of Sound	• or	Help from the web
	Night light settings	Setting up multiple monitors
Notifications & actions		Adjusting fort size
A 40 - 10	Windows HD Color	Changing screen brightness
J Focus assist	Get a brighter and more vibrant picture for videos, games and apps that	Fixing screen flickering
O Power & sleep	support HDR.	
	Windows HD Color settings	Get help
Buttery		Grelerdback
ca Storage	Change the size of text, apps, and other items	Cave Residuck
C8 Tablet		
	150% (Recommended) V	
El: Multitasking		
∠P Projecting to this PC	Display resolution	
X Shared experiences	1920 × 1080 (Recommended) V	
V same operators	Display orientation	
D Opboard	Landscape V	
y Remote Desktop	Multinla dienlave	
R ,P Type here to search	H 0	∧ ■0 41 00 DNG 540 PM

#### 🕕 TIP -

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

# Restoring the System

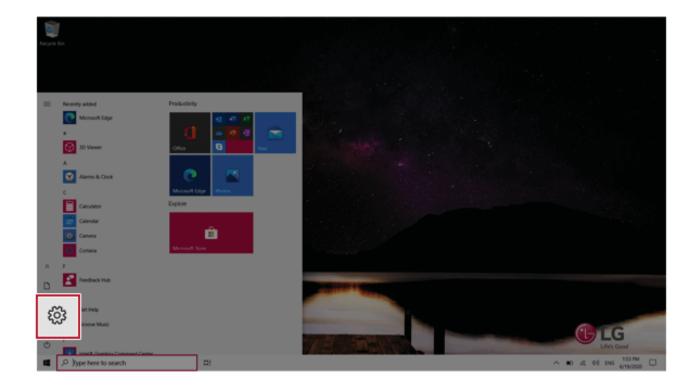
If the system has an error, you can use Windows 10's recovery function to recover or restore the system to its initial pre-purchase state.

## 

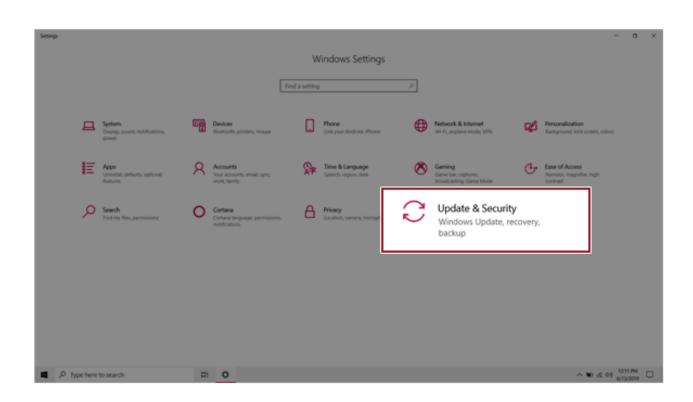
If you have deleted the restoration data in the protected area of the disk, or have arbitrarily installed another operating system, the restore function may not work.

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

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



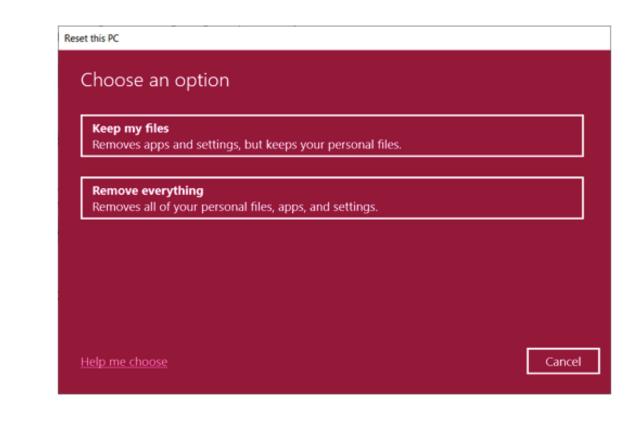
2 When the [Settings] screen appears, select [Update & Security].



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

← Settings	
ය 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
→ 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

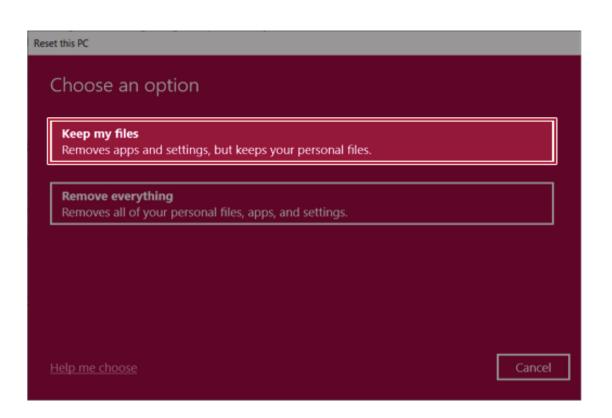
4 If the following option screen appears, select a desired option to proceed with recovery.



## 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.

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.		
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>	
	IJ
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 Window	vs?
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.



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

# 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.



- 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.

FAQ 241

# 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.

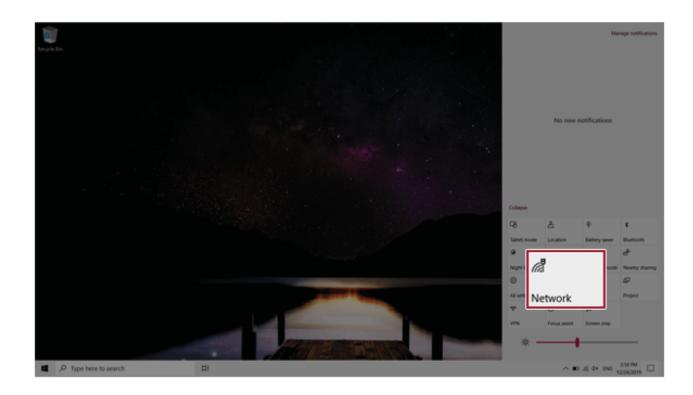
In case there are no accessible wireless networks (Wireless LAN) near the PC, no Access Points may be found.

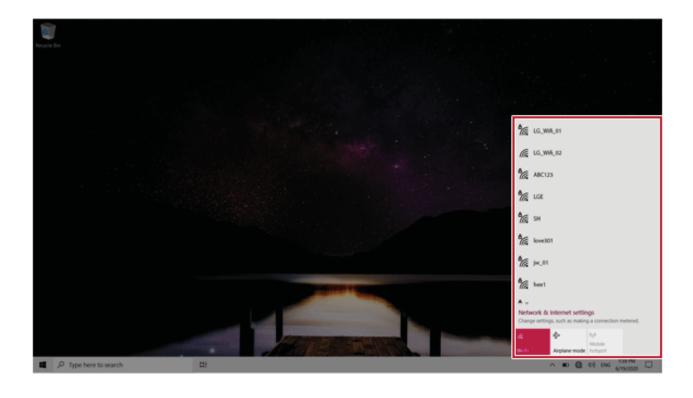
A password protected Access Point cannot be accessed without the correct password.

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.

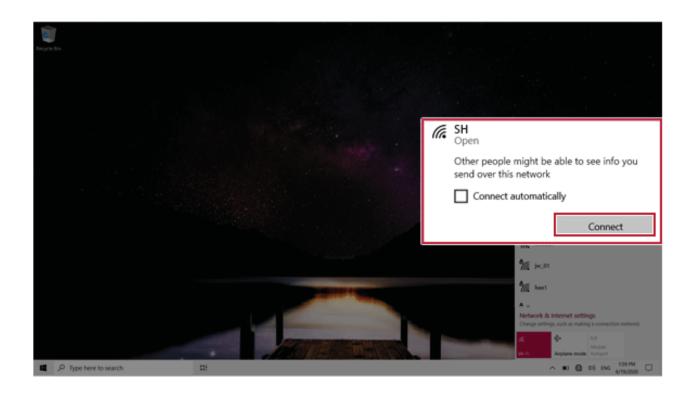




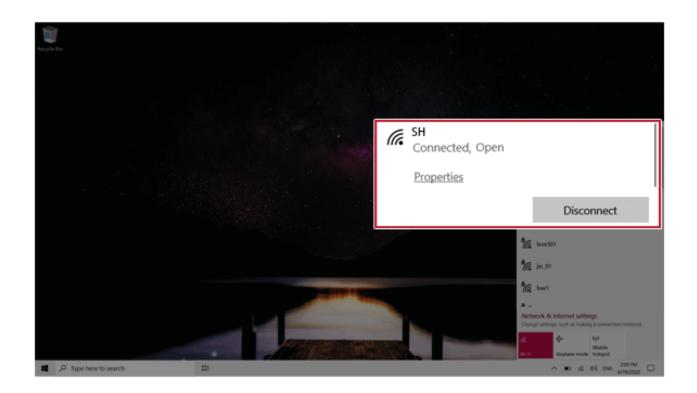
If Wi-Fi is turned off, press the [Wi-Fi] tile.

Wi-Fi Turned off
Turn Wi-Fi back on Manually ~
Network & Internet settings as making a connection metered.
ヘ ● ⊕ Φi) 1221 PM 6/13/2019 □

**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.

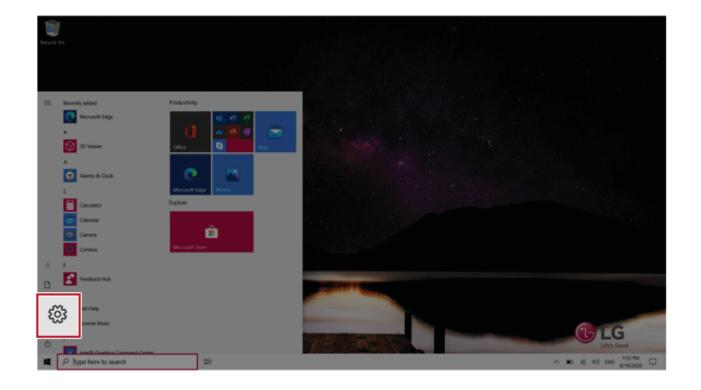
#### Using Wired LAN

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.

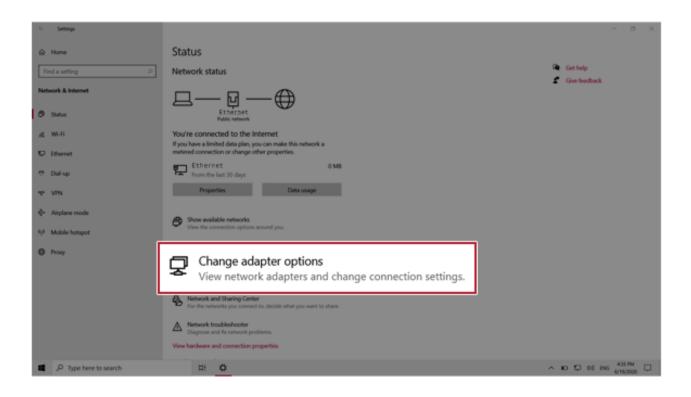
- 1 Connect the wired LAN cable to the LAN port.
- 2 Press the [ ] button and select the [Settings] menu.





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

Settings					- a ×
			Windows Settings		
		C	find a setting	٩	
	System Display, sound, notifications, power	Devices Buetooth, printers, mouse	Context And	Network & Internet Wi-Fi, airplane mode, VPN	sation 4. lock screen, colors
	Apps Unimital, defaults, optional Instrume	Accounts Your accounts, email, sync, work, family	Speech, region, date	Gene bar, optives, broadcasting, Gene Mode	COPEN Narrator, Hagenfler, high Contract
	Search Field my files, permissions	O Cortana Contana language, permissions, notifications	Physics Ecosition, carriers, microphone	C Update & Security Mindows Update, recovery, beckup	
4	D Type here to search	# <b>0</b>			~ ₩ 45.00 (1211.PM



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

ections				
🛬 > Control Panel > All Co	ontrol Panel Items > Networ	k Connections >	~	Search Networ
Disable this network device	Diagnose this connection	Rename this connection	View status of this connection »	
Bluetooth Network Connection Not connected		Status Diagnose Bridge Connections Create Shortcut Delete	Wi-Fi tel(R) Dual Band Wireless	
	Control Panel > All Co Disable this network device Bluetooth Network Connection	Image: Second control Panel > All Control Panel Items > Network         Disable this network device       Diagnose this connection         Bluetooth Network       Ethernet         Connection       Pc         Not connected       Realtek L	Image: Second status       All Control Panel Items > Network Connections >         Disable this network device       Diagnose this connection       Rename this connection         Bluetooth Network       Image: Status       Image: Status         Not connected       Diagnose       Image: Status         Diagnose       Image: Status       Image: Status         Openet       Image: Status       Image: Status         Image: Status       Image: Status       Image: Status         Image: Status	Image: Source Control Panel > All Control Panel Items > Network Connections >       Image: Connection Connected         Bluetooth Network Connection Create Shortcut         Image: Connection Connection Connection Connection Create Shortcut         Image: Connection Connection Connection Create Shortcut         Image: Connection Connection Create Shortcut         Image: Connection Create Shortcut         Ima

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

Ethernet	2 Properties		×
etworking	Sharing		
Connect us	ing:		
Real	tek USB FE Family	Controller #2	
			Configure
This conne	ction uses the follow	ving items:	
🗹 📲 🛛	ent for Microsoft Ne	stworks	^
🗹 🧸 Fi	e and Printer Sharin	g for Microsoft Netw	orks
	S Packet Schedul		
7			
· 🛙	ternet Protoc	ol Version 4 (T	CP/IPv4)
		Discovery Mapper I/0	
the second second	crosoft Network Ad	lapter Multiplexor Pro	
<	(11)	8	>
Insta	I U	Ininistal	Properties
Descriptio	n		
wide are		ol/Internet Protocol." that provides commu ed networks.	

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.

neral	Alternate Configura	tion			
his cap	n get IP settings assig ability. Otherwise, yo appropriate IP settin	ou need to			
0	btain an IP address a	utomatically	/		
Ou	e the following IP ad	dress:			
IP ac	ádress:				
Subr	iet mask:		1.1		
Defa	ult gateway:				
	btain DNS server add	ress autom	atically		
Ou	e the following DNS s	erver addr	esses:		
Pref	erred DNS server:				
Alter	nate DNS server:				
V	alidate settings upon	exit		Adva	nced

- 7 Press **[OK]** to complete the network setup.
- 8 Click the Web Browser icon to check whether the internet is operating normally.