



**MSI**

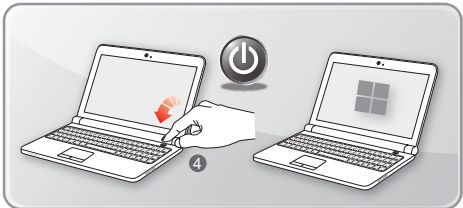
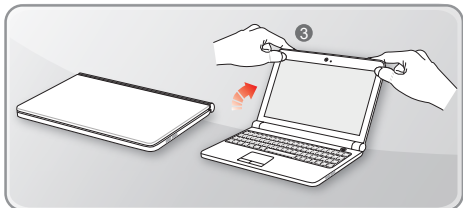
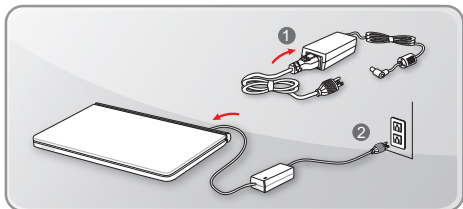
# USER GUIDE

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## Begin to Use the Notebook

For a new user of this notebook, we would like to suggest you follow the illustrations below to begin to use the notebook.

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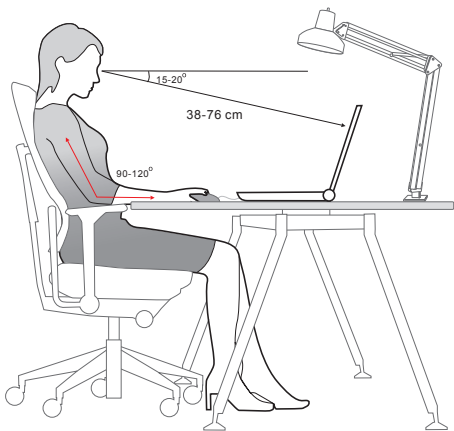


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## How to Use the Notebook Comfortably

If you are a beginner to the notebook, please read the following instructions to assure your own safety, and make yourself comfortable during the operations.

- ▶ Good illumination is essential in the work area.
  - ▶ Choose a chair and desk with good ergonomics and adjust their heights according to your posture.
  - ▶ Adjust the backrest to support your lower back comfortably when you are sitting upright.
  - ▶ Place your feet flat on the floor with your knees bent to a 90 degrees.
  - ▶ Adjust the angle/position of the LCD panel to have an optimal view.
  - ▶ Stretch and relax your body regularly. Always take a break after working for a period of time.
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## How to Manage Power Supply

This section provides users basic safety precautions to take when using an AC/DC adapter and battery power properly.

### AC/DC Adapter

Ensure that your notebook is connected to an AC power source via the AC adapter before turning it on for the first time. If the notebook automatically shuts down due to low battery power, it is likely to cause system failure. Below are some Dos and Don'ts of an AC/DC adapter.

- ▶ **Dos**
  - Use the adapter that shipped with your notebook only.
  - Always be aware of heat coming from the in use AC/DC adapter.
  - Unplug the AC power cord before disassembly the notebook.
- ▶ **Don'ts**
  - Cover an in-use adapter since it can generate heat.
  - Have the AC power cord plugged after powering off the system when the notebook is going to be left unused for a longer time.

### Battery

When you get a new notebook or a new notebook battery, it is important to know how to charge and care for your battery in order to get the most out of it for as long as you can.

Be aware of that the battery may not be replaced by users.

- ▶ **Safety guidelines**
  - This notebook is equipped with a non-removable battery, follow the local regulations while discarding the notebook.
  - Always keep the notebook and its battery away from excessive moisture and extreme temperatures.
  - Always unplug the AC power cord before installing any module to the notebook.

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► **Battery type**

- This notebook may be equipped with a high-capacity Li-ion or Li-polymer battery pack depending on the model you have.
- The rechargeable battery pack is an internal power source of the notebook.

► **Battery charging behavior**

To optimize battery life and avoid a sudden power loss, read the tips below:

- Suspend system operation if the system will be idle for a while or shorten the suspend timer's time period.
- Turn off the system if you won't be using it for a period of time.
- Disable unnecessary settings or remove idle peripherals.
- Connect an AC/DC adapter to the system whenever possible.

► **How to charge the battery properly**

Please pay attention to the following tips before recharging the battery:

- If a charged battery pack is not available, save your work and close all running programs and shut down the system.
- Plug in an AC/DC adapter.
- You can use the system, suspend system operation or shut down and turn off the system without interrupting the charging process.
- The Li-ion or Li-polymer battery has no memory effect. It is unnecessary to discharge the battery before recharging. However, to optimize the life of battery, we suggest that consuming the battery power completely once a month is necessary.
- The actual charging time will be determined by the applications in use.

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## How to Set Up a Power Plan in Windows OS

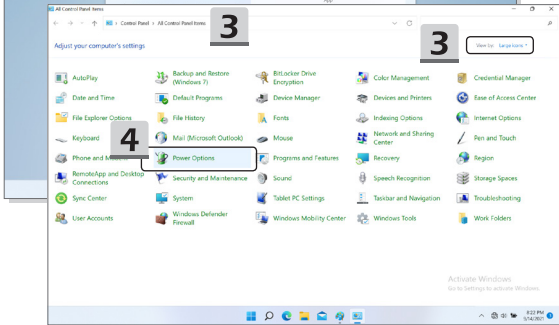
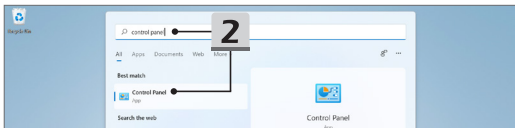
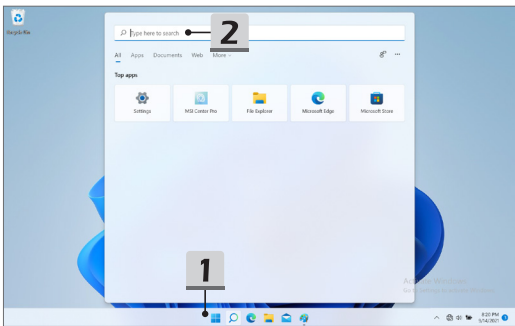
\* For selected models with Windows 11 operating system installed.

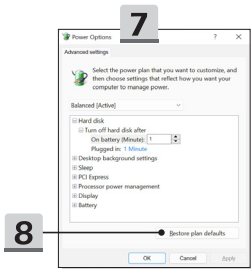
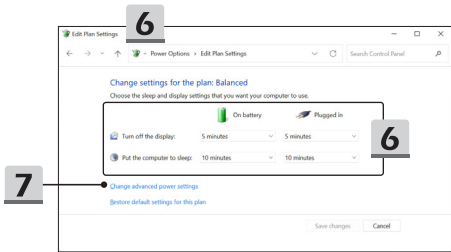
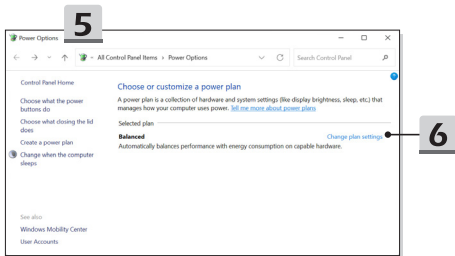
A power plan is a collection of hardware and system settings that manages how your computer uses and conserves power. Power plans can save energy, maximize system performance, or balance energy conservation with performance. The default power plans — Balanced and Power saver — meet most people's needs. But you can modify settings for existing plans or create your own plan.

The figures shown here are for reference only, they may be varied depending on the different version of Windows operating system installed.

### Choose or Customize a Power Plan

1. Go to [Start] and then move the mouse cursor to [Type here to search] field.
2. Keyin [control panel] and then select [Control Panel] to continue.
3. Open up [All Control Panel Items] window. Select [Large icons] under [View by] drop-down menu.
4. Select [Power Options] to continue.
5. Within [Power Options] window, the Power Plan of [Balanced] is selected as an example here. Click on the [Change plan settings] to bring out [Edit Plan Settings] to customize a power plan.
6. Change settings for the plan selected in [Edit Plan Settings].
7. Click on [Change advanced power settings] to bring out [Power Options]. Make advanced changes here to the selected power plan to meet your needs.
8. To restore the selected power plan back to its default settings, click on [Restore plan defaults].
9. Follow the on-screen instructions to finish the configurations.





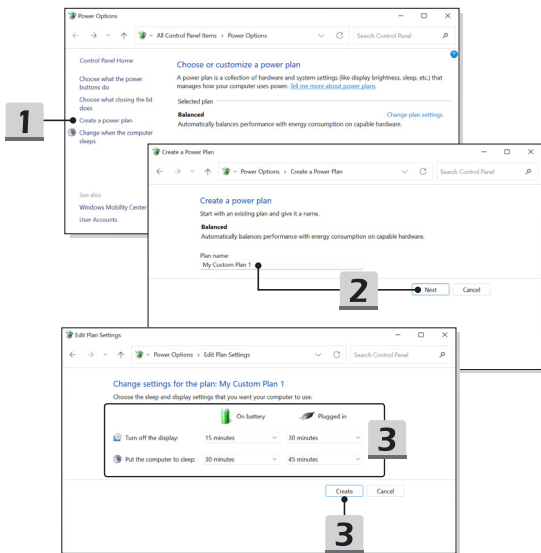


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## Create Your Own Power Plan

You are allowed to create your own Power Plan and customize it to meet personal requirements.

1. Click [Create a power plan] in [Power Options].
  2. Start with an existing plan and give the new power plan a name. Click [Next] to continue.
  3. Change the settings for the plan. Click [Create] to make the customized power plan taking effect.
  4. Now you have a new power plan that is automatically set as active.
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## How to Set Up Windows Hello (optional)

Windows Hello is a more secure, personal way to get an instant access to your Windows operating system using fingerprint or facial recognition. The feature requires fingerprint reader or an infrared camera that supports it. Once you're set up, you'll be able to sign in with a quick swipe or glance.

Follow the instructions below to setup your Windows Hello Logins - Face, Fingerprint, and PIN.

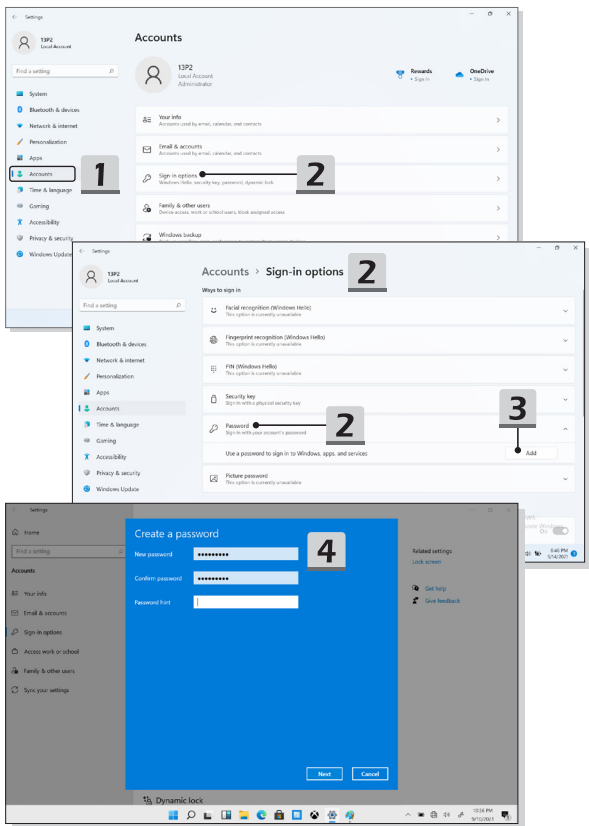
The figures shown here are for reference only, they may be vary depending on the different version of Windows operating system installed.

### Create an Account's Password

Before setting up Windows Hello, it is required to setup the account's password.

1. Go to [Start > Settings] and locate [Accounts].
  2. In [Sign-in options], click [Password].
  3. Under [Password], click [Add] to continue.
  4. Follow the on-screen instructions to create a new password for your account, and then click [Finish] to close.
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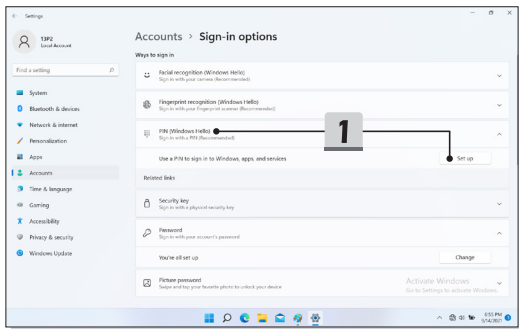
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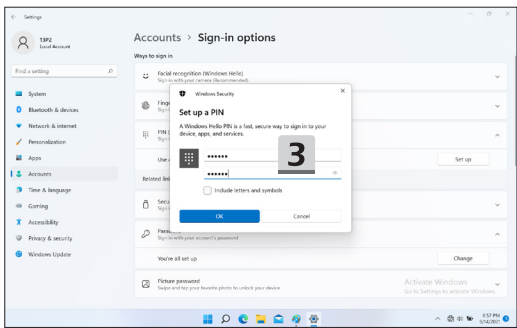
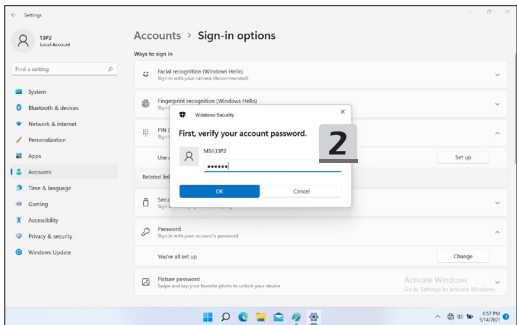
## Setting up Windows Hello PIN

A Windows Hello PIN is a fast, secure way to sign in to your device, apps and services.

The figures shown here are for reference only, they may be varied from the actual ones.

1. Select [PIN (Windows Hello)], and then click [Set up] to continue.
  2. Verify your account's password first
  3. Set up your Windows Hello PIN. Click [OK] to close.
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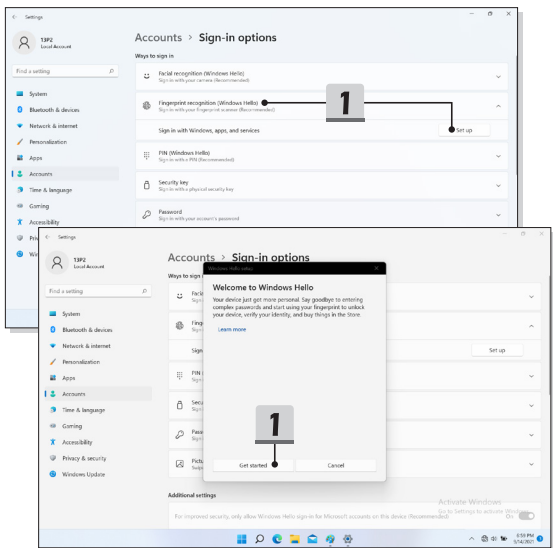
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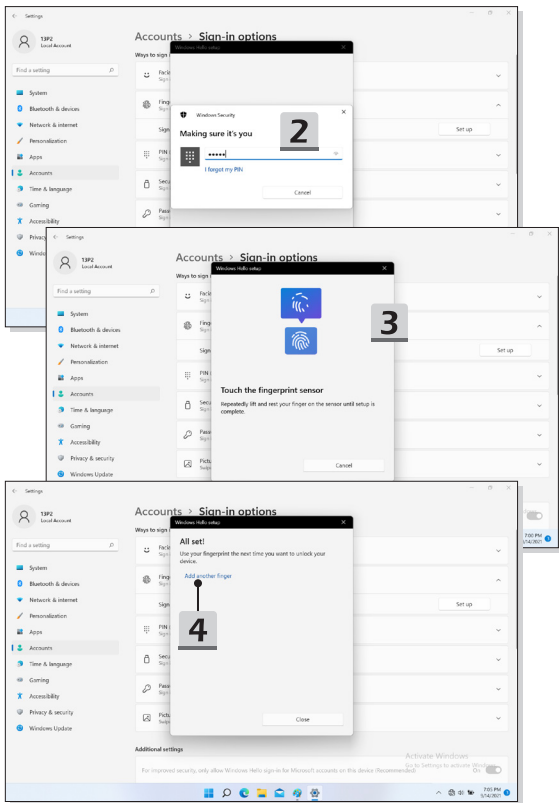
## Setting up Windows Hello Fingerprint

\* For selected models only

Time to say goodbye to entering complex passwords and start using your fingerprint to unlock your device and verify your identity.

1. Select [Fingerprint Recognition (Windows Hello)], click [Set up] to open up the Windows Hello setup wizard, and then click [Get Started] to continue.
  2. Verify your Windows Hello PIN.
  3. Place your preferred finger on the fingerprint sensor. You will be asked to swipe the same finger for a few times to setup Windows Hello.
  4. Click [Add Another] if you want to repeat the process with another finger.
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## How to Use the Touchpad

The touchpad integrated in your notebook is a pointing device that is compatible with standard mouse, allowing you to control the notebook by pointing the location of the cursor on the screen.

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► **Configure the Touchpad**

You can customize the pointing device to meet your personal needs. For example, if you are a left-handed user, you may want to swap the functions of the two buttons. In addition, you can change the size, shape, moving speed and other advanced features of the cursor on the screen.

To configure the touchpad, you can use the standard Microsoft or IBM PS/2 driver in your Windows operating system. The Mouse Properties in Control Panel allows you to change the configuration.

► **Position and Move**

Place your finger on the touchpad (usually using the forefinger), and the rectangular pad will act as a miniature duplicate of your display. When you move your fingertip across the pad, the cursor on the screen will move simultaneously to the same direction. When your finger reaches the edge of the pad, lift your finger and place it on a proper location of the touchpad to continue the movement.



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- ▶ **Point and Click**

When you have moved and placed the cursor over an icon, a menu item or a command that you want to execute, simply tap slightly on the touchpad or press the left button to select. This procedure, called as point and click is the basics of operating your notebook. Unlike the traditional pointing device such as the mouse, the whole touchpad can act as a left button, so that your each tap on the touchpad is equivalent to pressing the left button. Tapping twice more rapidly on the touchpad is to execute a double-click.

- ▶ **Drag and Drop**

You can move files or objects in your notebook by using drag-and-drop. To do so, place the cursor on the desired item and slightly tap twice on the touchpad, and then keep your fingertip in contact with the touchpad on the second tap. Now, you can drag the selected item to the desired location by moving your finger on the touchpad, and then lift your finger from the touchpad to drop the item into place. Alternately, you can press and hold the left button when you select an item, and then move your finger to the desired location; finally, release the left button to finish the drag-and-drop operation.

## **About HDD and SSD**

This notebook may be equipped with hard disk drive (HDD) or solid state drive (SSD) depending on the models users purchased.

The hard disk drive and solid state drive are the data storage devices used for storing and retrieving digital information. Most SSDs use NAND-based flash memory, and have higher data transfer rates, lower power consumption, and faster read/write speed than HDDs.

Do not attempt to remove or install the HDD and SSD when the notebook is powered on. Please consult an authorized retailer or service center for the replacement of the HDDs and SSDs.

## **About M.2 SSD Slot**

The notebook may be equipped with M.2 SSD slots for M.2 SSD cards, which are compatible with SATA or PCIe interfaces, providing diverse features and usages to users. Consult an authorized retailer or service center for correct specifications and installations.

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# How to Connect the Internet in Windows OS

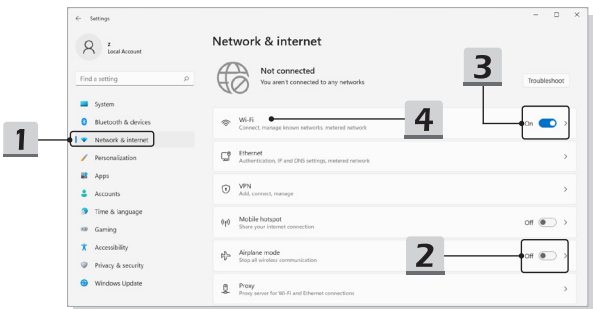
\* For selected models with Windows 11 operating system installed.

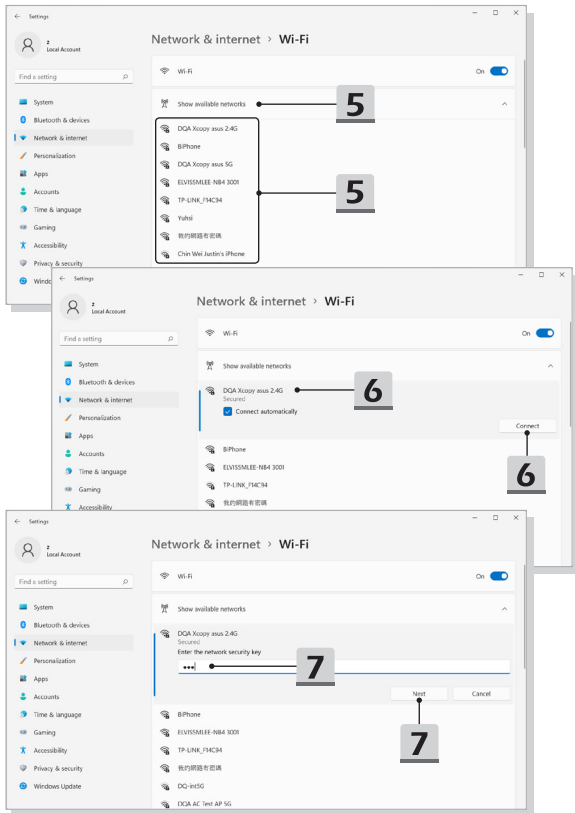
The figures shown here are for reference only, they may be varied depending on the different version of Windows operating system installed.

## Wireless LAN

Wireless LAN is a wireless broadband connection that allows you to connect to the Internet without using any cables. Follow the instructions as below to set up a Wireless LAN connection.

1. Open up [Settings], find and click [Network & internet].
2. Make sure [Airplane mode] is turn off.
3. Switch [ON] the Wi-Fi function if it is set to [Off].
4. Select [Wi-Fi] within the [Network & internet] selection menu.
5. Select [Show available networks] to open up the network list. (The available networks shown here are for reference only, and the actual ones may vary on the situation.)
6. Choose one Wireless LAN network from the network list to connect to the Internet. Click [Connect] to continue.
7. A security key may be required for connecting the selected network. Then click [Next].



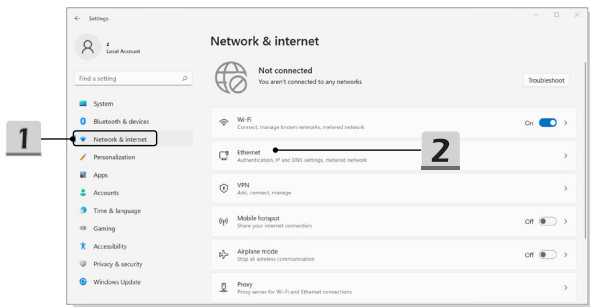


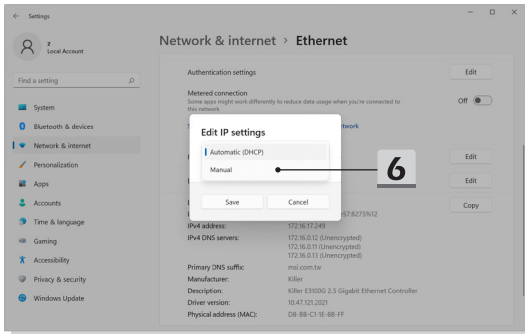
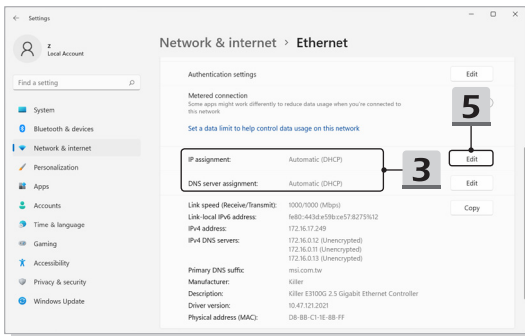
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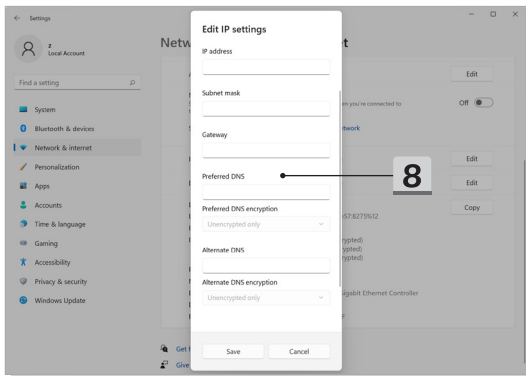
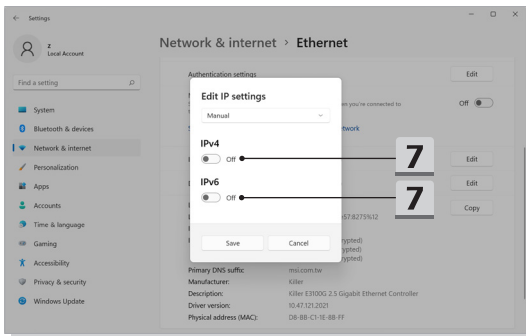
## Wired LAN

Use cables to connect to the Internet. Before setting up the connection of Dynamic IP/ PPPoE or Broadband (PPPoE) or Static IP, contact your Internet Service Provider (ISP) or network administrator for assistance of setting up Internet connection.

- ▶ Dynamic IP/PPPoE Connection
  1. Open up [Settings], find and click [Network & internet].
  2. Select [Ethernet] within the [Network & internet] selection menu.
  3. The [IP assignment] and [DNS server assignment] are automatically set as [Automatic (DHCP)].
- ▶ Static IP Connection
  4. Follow the previous steps 1 to 2 to continue.
  5. Click [Edit] of [IP assignment].
  6. Select [Manual].
  7. Switch the [IPv4] or [IPv6] on. (Contact your Internet Service Provider or network administrator for assistance of the configurations.)
  8. Fill the IP address, Subnet mask, Gateway, Preferred DNS, and Alternate DNS. Then click [Save].

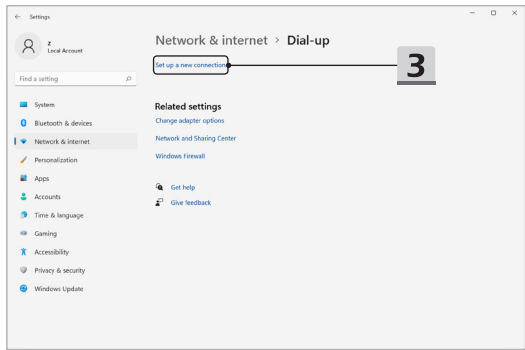
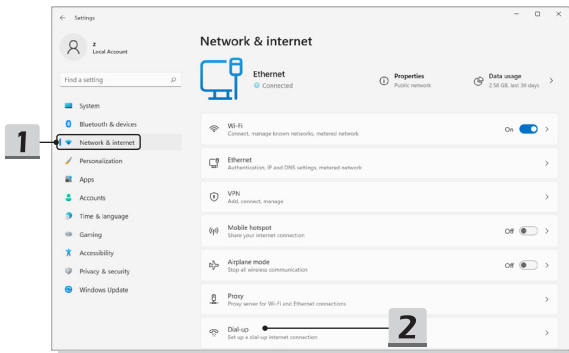




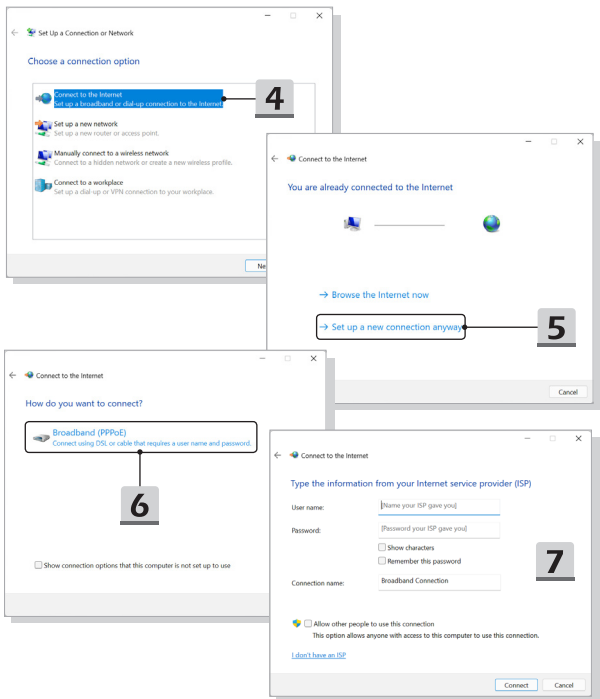


► Broadband (PPPoE) Connection

1. Open up [Settings], find and click [Network & internet].
2. Select [Dial-up] within the [Network & internet] selection menu.
3. Select [Set up a new connection].



4. Select [Connect to the Internet] under [Choose a connection option], and then click [Next].
5. Select [Set up a new connection anyway].
6. Click [Broadband (PPPoE)].
7. Fill User name, Password, and Connection name fields. Then click [Connect].





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# How to Set Up Bluetooth Connection in Windows OS

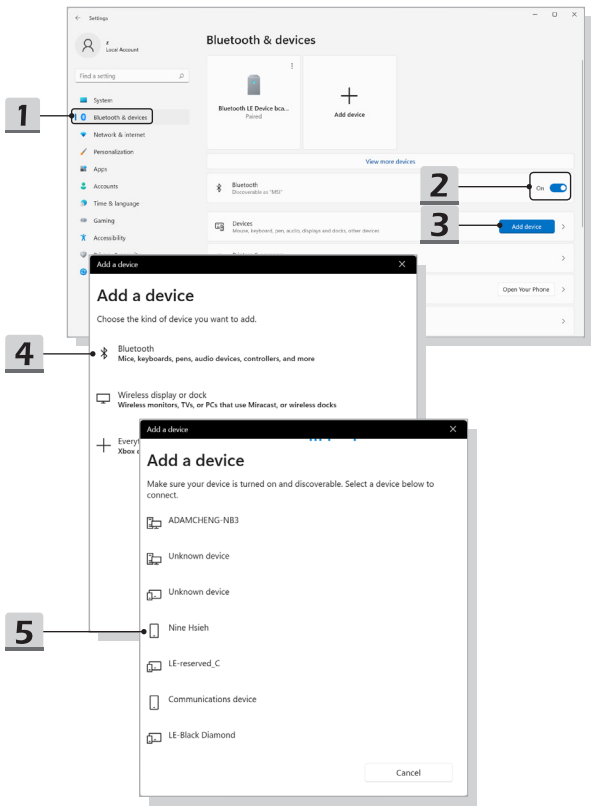
\* For selected models with Windows 11 operating system installed.

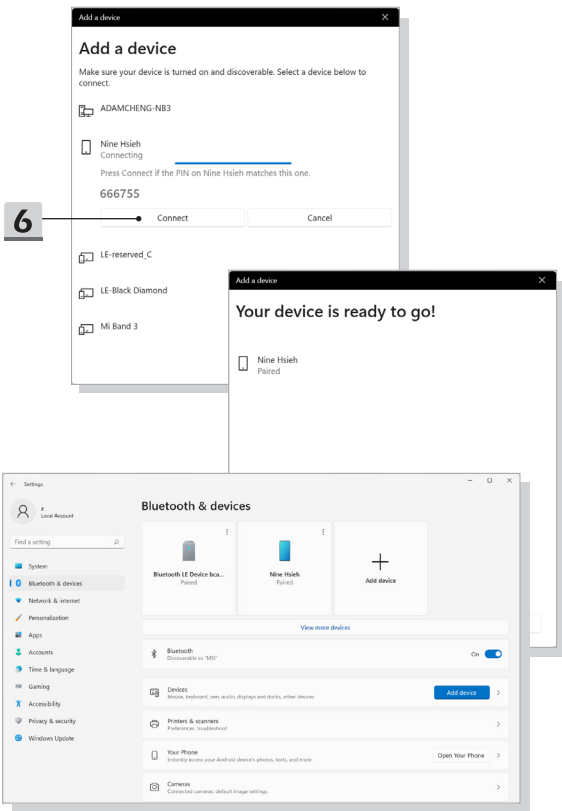
Bluetooth pairing is a process in which two Bluetooth devices communicate with each other through an established connection.

The figures shown here are for reference only, they may vary depending on the different version of Windows operating system installed.

## Activating Bluetooth Connection

- ▶ **Checking the Bluetooth status**  
Before setting up a Bluetooth connection, it is a must to make sure that Airplane mode is turned off.
  1. Open up [Settings], find and click [Bluetooth & devices].
  2. Switch [ON] the Bluetooth function if it is set to [Off].
- ▶ **Pairing the Bluetooth devices**
  3. Click [Add device].
  4. Select [Bluetooth].
  5. Choose and select a device to start pairing.
  6. Give the passcode as instructed by the device waiting to be connected, and then click on [Connect] to continue and complete pairing.





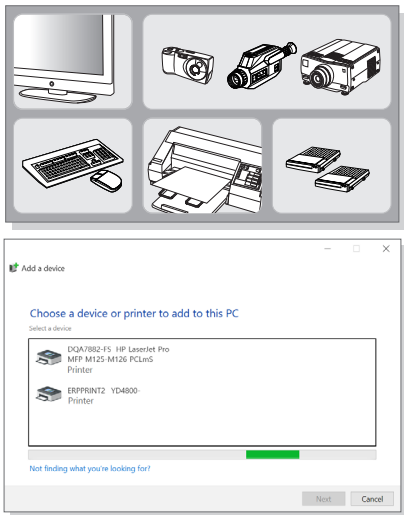
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## How to Connect External Devices

This notebook may be equipped with various connecting I/O (input/output) ports, such as USB, HDMI, DisplayPort, and mini DisplayPort. Users will be able to connect diverse peripheral devices to the notebook.

To connect these devices, refer to the instruction manuals of each device first, and then connect the device to the notebook. This notebook is capable to auto detect the connected devices, and if there is no detection of the devices, please manually enable the devices by going to [Start Menu/ Windows System/ Control Panel/ Hardware and Sound/ Add a device] to add the new devices.

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