E28294
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IN SEARCH OF INCREDIBLE

E-Manual

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Important information

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SERVICE AND SUPPORT

Visit our multi-language website at https://www.asus.com/support/.

MyASUS offers a variety of support features including troubleshooting, products performance optimization, ASUS software integration, and helps you to organize personal desktop and increase storage space. For more details, please visit https://www.asus.com/support/FAQ/1038301/.

About this manual

This manual provides information about the hardware and software features of your Notebook PC, organized through the following chapters:

Chapter 1: Hardware Setup

This chapter details the hardware components of your Notebook PC.

Chapter 2: Using your Notebook PC

This chapter shows you how to use the different parts of your Notebook PC.

Chapter 3: Working with Windows

This chapter provides an overview of using Windows in your Notebook PC.

Chapter 4: Power-On Self-Test (POST)

This chapter shows you how to use POST to change the settings of your Notebook PC.

Tips and FAQs

This section presents some recommended tips, hardware FAQs, and software FAQs you can refer to for maintaining and fixing common issues with your Notebook PC.

Appendices

This section includes notices and safety statements for your Notebook PC.

Conventions used in this manual

To highlight key information in this manual, some text are presented as follows:

IMPORTANT! This message contains vital information that must be followed to complete a task.

NOTE: This message contains additional information and tips that can help complete tasks.

WARNING! This message contains important information that must be followed to keep you safe while performing tasks and prevent damage to your Notebook PC's data and components.

Typography

Bold text indicates a menu or an item that must be selected.

Italic text indicates sections that you can refer to in this manual.

Safety precautions

Using your Notebook PC

- This Notebook PC should only be used in environments with ambient temperatures between 5°C (41°F) and 35°C (95°F).
- Refer to the rating label on the bottom of your Notebook PC and ensure that your power adapter complies with this rating.
- Your Notebook PC can get warm to hot while in use or while charging the battery pack. Do not leave your Notebook PC on your lap or near any part of your body to prevent injury from heat. When working on your Notebook PC, do not place it on surfaces that can block the vents.
- Do not use damaged power cords, accessories, and other peripherals with your Notebook PC.
- While powered on, ensure that you do not carry or cover your Notebook PC with any materials that can reduce air circulation.
- Do not place your Notebook PC on uneven or unstable work surfaces.
- You can send your Notebook PC through x-ray machines (used on items placed on conveyor belts), but do not expose them to magnetic detectors and wands.
- Contact your airline provider to learn about related in-flight services that can be used and restrictions that must be followed when using your Notebook PC in flight.

Caring for your Notebook PC

- Disconnect the AC power and remove the battery pack (if applicable) before cleaning your Notebook PC. Use a clean cellulose sponge or chamois cloth dampened with warm water. Remove any extra moisture from your Notebook PC using a dry cloth. Keep any liquids from entering the chassis or keyboard gap to prevent short circuit or corrosion.
- Do not use strong solvents such as thinners, benzene, or other chemicals on or near your Notebook PC.
- Do not place objects on top of your Notebook PC.
- Do not expose your Notebook PC to strong magnetic or electrical fields.
- Do not use or expose your Notebook PC near liquids, rain, or moisture.
- Do not expose your Notebook PC to dusty environments.
- Do not use your Notebook PC near gas leaks.
- Do not place active electronic devices near your Notebook PC to avoid electromagnetic interference with the display panel and wireless transmission. Prolonged exposure to strong interference may cause damage to wireless components.
- Do not use this Notebook PC for cryptocurrency mining (consuming a vast amount of electricity and time to gain convertible virtual currency) and/or related activities.

Proper disposal



The Waste Electrical and Electronic Equipment (WEEE) Directive (Directive 2012/19/EU) is a European Union law that aims to reduce the environmental impact of electrical and electronic equipment. It mandates producers to take responsibility for the end-of-life management of their products, promoting collection, treatment, and recycling to minimize waste and encourage resource recovery. Do not throw your electrical and electronic equipment in municipal waste.

The symbol of the crossed-out wheeled bin on the product or packaging indicates that this product (including any batteries it contains) must not be disposed of with your household waste. To prevent potential harm to the environment and human health, a collection framework should be used to return, recycle, and recover waste electrical and electronic equipment (WEEE), and this product has been designed to enable the reuse of parts and facilitate the recycling of certain materials. Improper disposal may involve risks due to the presence of hazardous substances within electrical and electronic equipment, such as lead and BFR and other harmful components. Check your local recycling services for electronic products. (https://esg.asus.com/en/circular-economy/resource-regeneration/global-take-back-service)



Do not throw the battery in municipal waste. The symbol of the crossed out wheeled bin indicates that the battery should not be placed in municipal waste.

Battery safety information

Battery protection

- Frequently charging a battery under high voltage may shorten the battery life. To protect the battery, once the battery is fully charged, the system may stop charging when the battery power is between 90% and 100%.

  NOTE: The level at which the battery resumes charging is usually set between 90% and 99%. The actual value may vary by model.

- Charging or storing a battery in high ambient temperatures may result in permanent damage to the battery power capacity and rapidly shorten battery life. If the battery temperature is too high, the system may reduce the battery power charging capacity or even stop charging to protect the battery.
- Battery power capacity may drop even when your device is powered off and disconnected from the AC power. This is normal as the system still draws a small amount of power from the battery.

Standard battery care

- If you are not using your device for a long period of time, ensure to charge the battery power to 50%, then power off your device and disconnect the AC power adapter. Recharge the battery power to 50% every three months to avoid over-discharging and prevent damage to the battery.
- Avoid charging the battery at high voltage for a prolonged period of time to extend the battery life. If you are constantly using AC power for your device, ensure to discharge the battery power to 50% at least once every two weeks. You can also adjust the battery settings in MyASUS to help extend the battery life.
- It is recommended to store your battery at temperatures between 5°C (41°F) and 35°C (95°F) with the battery power at 50%.
- Do not leave your battery in damp environments. Exposure to damp environments may increase the battery over-discharging rate. Low temperature environment may damage the chemicals inside the battery while high temperature or overheating may result in a risk of explosion.
- Do not place your device or battery pack near radiators, fireplaces, furnaces, heaters, or any sources of heat with temperature exceeding 60°C (140°F). High temperature surrounding environment may result in an explosion or leakage that may cause fire.

Extending the battery lifespan

To extend the battery lifespan, set a maximum charging limit in MyASUS by following the steps below:

1. Launch MyASUS.
2. Select **Device Settings** from the menu, then select the **Power & Performance** tab.
3. Select a battery mode in the **Battery Care Mode** section:
    - Battery Care Mode
    - Instant Full-Charge Mode

For more details, please visit https://www.asus.com/support/faq/1032726/.

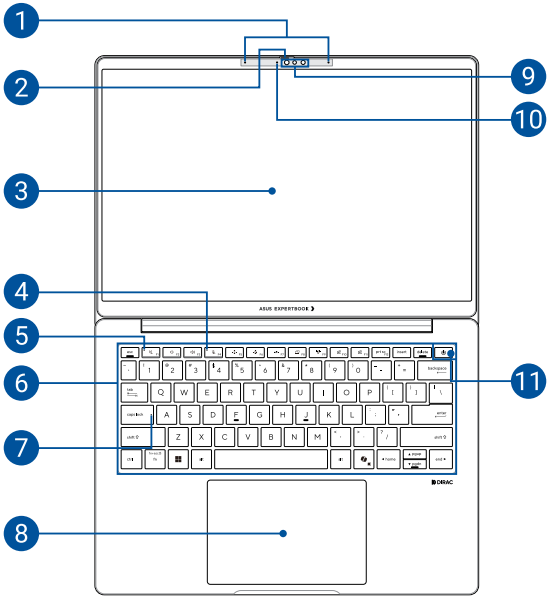
Chapter 1: Hardware Setup

Getting to know your Notebook PC

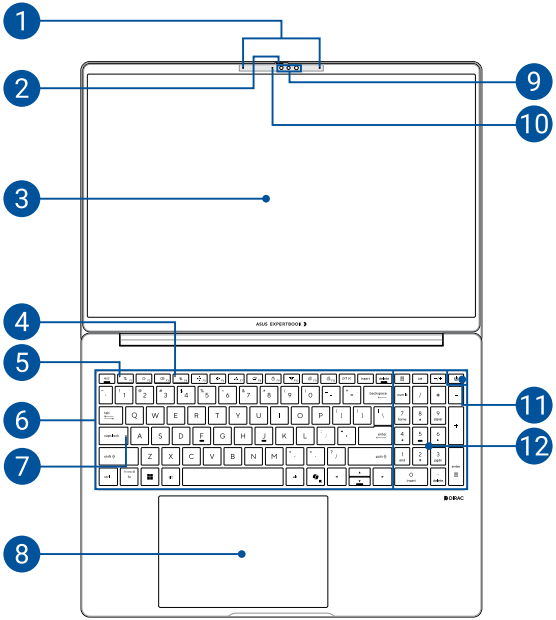
Front View

NOTE: The keyboard's layout may vary per region or country. The front view may also vary in appearance depending on the Notebook PC model.

14" model



16” model



1. Array microphones

The array microphones feature echo canceling, noise suppression, and beam forming functions for better voice recognition and audio recording.

2. Webcam shield

This allows you to cover the camera lens of your Notebook PC.

3. Display panel

This high-definition display panel provides excellent viewing features for photos, videos, and other multimedia files on your Notebook PC.

Touch screen panel (on selected models)

This high-definition touch screen panel provides excellent viewing features for photos, videos, and other multimedia files on your Notebook PC. It also allows you to operate it using touch screen gestures.

NOTE: For more details, refer to the *Using the touch screen panel* section in this manual.

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4. Microphone off indicator

This indicator lights up when the microphone is turned off.

5. Speaker off indicator

This indicator lights up when the speaker is turned off.

6. Keyboard

The keyboard provides full-sized QWERTY keys with a comfortable travel depth for typing. It also enables you to use the function keys, allows quick access to Windows, and controls other multimedia functions.

NOTE: The keyboard layout differs by model or territory.

7. Capital lock indicator

This indicator lights up when the capital lock function is activated. Using capital lock allows you to type capitalized letters (such as A, B, C) using your Notebook PC's keyboard.

8. Touchpad

The touchpad allows the use of multi-gestures to navigate onscreen, providing an intuitive user experience. It also simulates the functions of a regular mouse.

NOTE: For more details, refer to the *Using the touchpad* section in this manual.

9. Camera

The built-in camera allows you to take pictures or record videos using your Notebook PC.

IR camera (on selected models)

The built-in IR camera captures infrared images for facial recognition and supports Windows Hello.

NOTE: The red IR LED blinks in the process while data is being read before you sign in with Windows Hello facial recognition.

10. Camera indicator

The camera indicator lights up when the built-in camera is in use.

11. Power button

Press the power button to turn your Notebook PC on or off. You can also press the power button for at least 0.5 seconds to put your Notebook PC to sleep or hibernate mode and wake it up from sleep or hibernate mode.

In the event that your Notebook PC becomes unresponsive, press and hold the power button for at least ten (10) seconds until your Notebook PC shuts down.

Fingerprint sensor

This built-in fingerprint sensor captures your fingerprint and uses it as biometric authentication for logging on to your Notebook PC's system.

12. Numeric keypad

The numeric keypad toggles between these two functions: for numeric input and as pointer direction keys.

NOTE: For more details, refer to the *Using the numeric keypad* section in this manual.

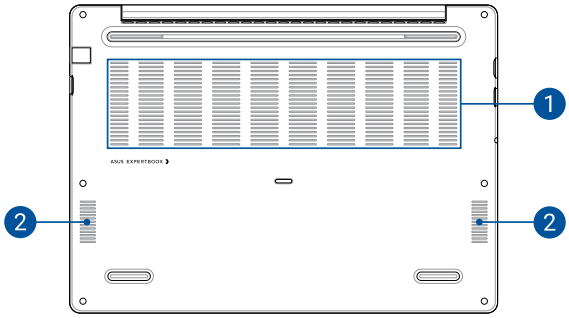
Bottom View

NOTE: The bottom view may vary in appearance depending on model.

WARNING! Your Notebook PC can get warm to hot while in use or while charging the battery pack. Do not leave your Notebook PC on your lap or near any part of your body to prevent injury from heat. When working on your Notebook PC, do not place it on surfaces that can block the vents.

IMPORTANT!

- Battery time varies by usage and by the specifications for this Notebook PC. The battery pack cannot be disassembled.
- Purchase components from authorized retailers to ensure maximum compatibility and reliability. Consult an ASUS service center or authorized retailers for product service or assistance on proper disassembly or assembly of the product.



1. Air vents

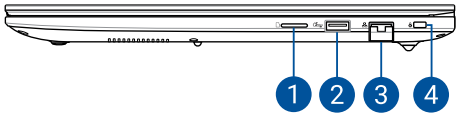
The air vents allow cool air to enter or warm air to exit the Notebook PC.

WARNING! Ensure that paper, books, clothing, cables, or other objects do not block any of the air vents or else overheating may occur.

2. Audio speakers

The built-in audio speakers allow you to hear audio straight from your Notebook PC. Audio features are software-controlled.

Right View



1. microSD card slot (on selected models)

This built-in memory card reader slot supports microSD card formats.

2. USB 3.2 Gen 1 port

The USB 3.2 (Universal Serial Bus 3.2) Gen 1 port provides a transfer rate of up to 5 Gbit/s and is backward compatible to USB 2.0.

3. LAN port

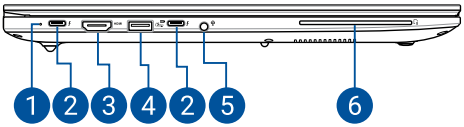
Insert the network cable into this port to connect to a local area network.

WARNING! This LAN port does not support PoE (Power over Ethernet). Connecting a PoE device to your Notebook PC may result in damage to the system board.

4. Kensington® nano security slot

The Kensington® nano security slot allows you to secure your Notebook PC using Kensington® nano compatible Notebook PC security products.

Left View



1. Two-color battery charge indicator

The two-color LED provides a visual indication of the battery's charge status. Refer to the following table for details:

Color	Status
Solid White	The Notebook PC is plugged into a power source and the battery power is between 95% and 100%.
Solid Orange	The Notebook PC is plugged into a power source, charging its battery, and the battery power is less than 95%.

2. Thunderbolt™ 4/Power Delivery combo port

The Thunderbolt™ 4 port is compatible with USB Type-C® standards, and provides a transfer rate of up to 40 Gbit/s for Thunderbolt™ 4 devices. Connect your Notebook PC to a DisplayPort, VGA, DVI, or HDMI external display and experience high-resolution display features via Intel® Thunderbolt™ technology. Use the bundled power adapter (if available), or a compatible adapter to charge the battery pack and supply power to your Notebook PC.

NOTE: Transfer rate of this port may vary per model.

WARNING! The adapter may become warm to hot while in use. Do not cover the adapter and keep it away from your body while it is connected to a power source.

IMPORTANT! It may take longer to fully charge your Notebook PC through a low-wattage power source.

3. HDMI output port

This port allows you to send audio and video signals from your Notebook PC to an HDMI-compatible device using an HDMI cable.

4. USB 3.2 Gen 1 port with charging function

The USB 3.2 (Universal Serial Bus 3.2) Gen 1 port with charging function allows you to charge mobile devices and can be used when your Notebook PC is in sleep, hibernate, or shutdown mode.

5. Headphone/Headset/Microphone jack

This port allows you to connect amplified speakers or headphones. You can also use this port to connect your headset or an external microphone.

6. Smart card reader (on selected models)

This built-in IC card reader supports smart card formats.

Chapter 2:
Using your Notebook PC

Getting started

Charge your Notebook PC

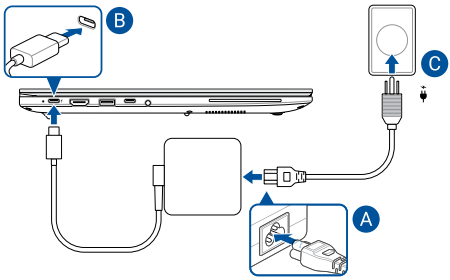
Charge the Notebook PC for **3 hours** before using it in battery mode for the first time.

A. Connect the AC power cord to the AC/DC adapter.

B. Connect the DC power connector into your Notebook PC's power (DC) input port.

C. Plug the AC power adapter into a 100V~240V power source.

NOTE: The power adapter may vary in appearance, depending on model and your region.



IMPORTANT!

Power adapter information:

- Input voltage: 100-240Vac
- Input frequency: 50-60Hz
- Rating output current: 3.25A (65W)
- Rating output voltage: 20V

IMPORTANT!

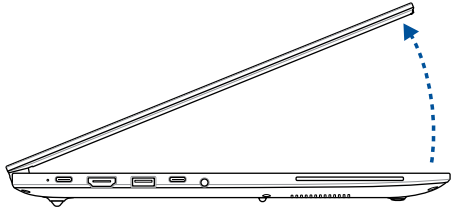
- Locate the input/output rating label on your Notebook PC and ensure that it matches the input/output rating information on your power adapter. Some Notebook PC models may have multiple rating output currents based on the available SKU.
- Ensure that your Notebook PC is connected to the power adapter before turning it on for the first time. Always plug the power cord into a wall socket without using any extension cords. For your safety, connect this device to a properly grounded electrical outlet only.
- The socket outlet must be easily accessible and near your Notebook PC.
- To disconnect your Notebook PC from its main power supply, unplug your Notebook PC from the power socket.

WARNING!

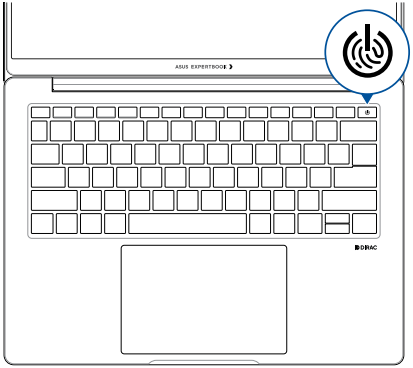
Read the following precautions for your Notebook PC's battery:

- Only ASUS-authorized technicians should remove the battery inside the device (for non-removable battery only).
- The battery used in this device may present a risk of fire or chemical burn if removed or disassembled.
- Follow the warning labels for your personal safety.
- Risk of explosion if battery is replaced by an incorrect type.
- Do not dispose of in fire.
- Never attempt to short-circuit your Notebook PC's battery.
- Never attempt to disassemble and reassemble the battery (for non-removable battery only).
- Discontinue usage if leakage is found.
- The battery and its components must be recycled or disposed of properly.
- Keep the battery and other small components away from children.

Lift to open the display panel



Press the power button

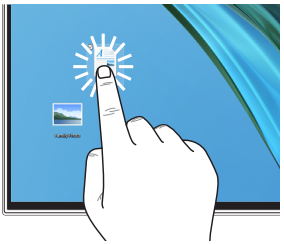


Using the touch screen panel (on selected models)

The gestures allow you to launch programs and access the settings of your Notebook PC. The functions can be activated by using the hand gestures on your Notebook PC's touch screen panel.

Tap/Double-tap

Tap to select an item and double-tap to open it.



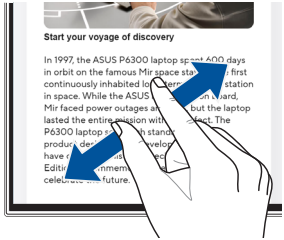
Press and hold

Press and hold to open the right-click menu.



Zoom in

Spread two fingers apart on the touch screen panel.



Zoom out

Bring two fingers together on the touch screen panel.



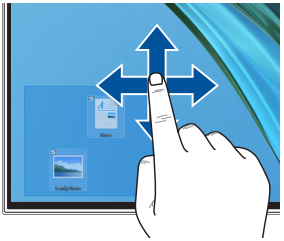
Finger slide

Slide your finger to scroll up or down and slide your finger to pan the screen left or right.



Drag and drop

Drag to create a selection box around multiple items, then drag and drop an item to move it to a new location.

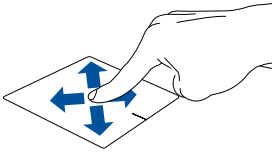


Using the touchpad

One-finger gestures

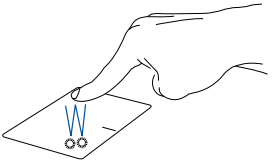
Moving the pointer

You can tap anywhere on the touchpad to activate its pointer, then slide your finger on the touchpad to move the pointer.



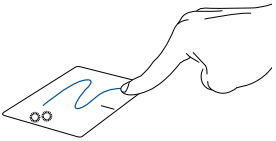
Tap/Double-tap

Tap to select an item and double-tap to open it.



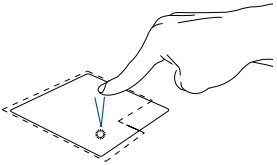
Drag and drop

Double-tap an item, then slide the same finger without lifting it off the touchpad. To drop the item to its new location, lift your finger from the touchpad.



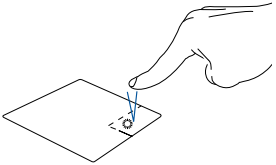
Left-click

Click to select an item and double-click to open it.



Right-click

Click this button to open the right-click menu.

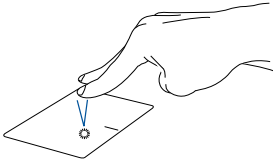


NOTE: The areas inside the dotted line represent the locations of the left mouse button and the right mouse button on the touchpad.

Two-finger gestures

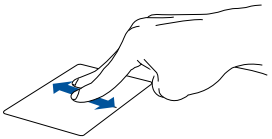
Tap

Tap two fingers on the touchpad to simulate the right-click function.



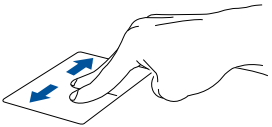
Two-finger scroll (up/down)

Slide two fingers to scroll up or down.



Two-finger scroll (left/right)

Slide two fingers to scroll left or right.



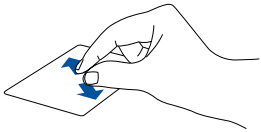
Zoom out

Bring two fingers together on the touchpad.



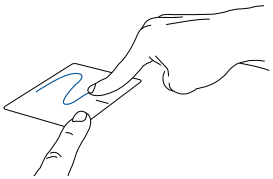
Zoom in

Spread two fingers apart on the touchpad.



Drag and drop

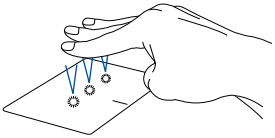
Select an item, then press and hold the left button. Using your other finger, slide on the touchpad to drag the item, lift your finger off the button to drop the item.



Three-finger gestures

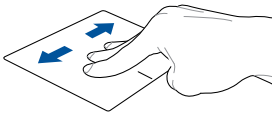
Tap

Tap three fingers on the touchpad to launch the function you selected in Settings.



Swipe (left/right)

If you opened multiple apps, swipe three fingers left or right to switch between these apps.



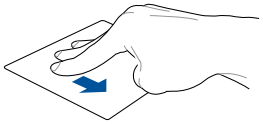
Swipe up

Swipe up to show all currently open apps.



Swipe down

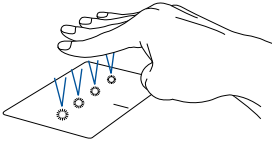
Swipe down to show the desktop.



Four-finger gestures

Tap

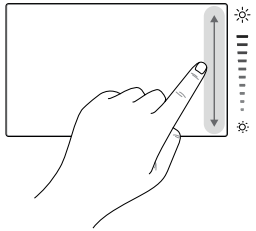
Tap four fingers on the touchpad to launch the function you selected in Settings.



Touchpad smart gestures

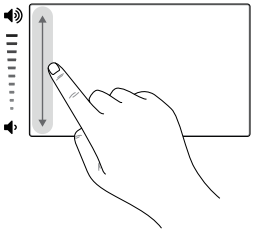
Adjusting the display brightness

Slide your finger up or down the right edge of the touchpad to adjust the display brightness.



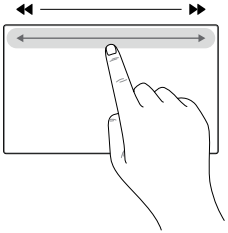
Adjusting the speaker volume

Slide your finger up or down the left edge of the touchpad to adjust the speaker volume.



Fast forwarding and rewinding

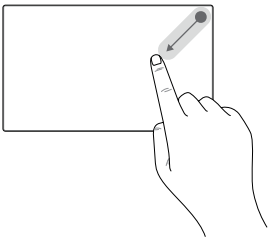
Slide your finger left or right along the top edge of the touchpad to fast forward or rewind.



Launching ASUS ScreenXpert

Slide your finger from the top right corner to the center of the touchpad to launch ASUS ScreenXpert.

NOTE: If ASUS ScreenXpert is not installed, visit the Microsoft Store to download and install ASUS ScreenXpert.



Using the keyboard

Hotkeys

The hotkeys on your Notebook PC's keyboard can trigger the following commands:

14" model



Turns the speaker on or off



Turns the speaker volume down



Turns the speaker volume up



Turns the microphone on or off



Decreases display brightness



Increases display brightness



Adjusts brightness for the backlit keyboard*



Activates the lock screen*

** On selected models*



Toggles the display mode

NOTE: Ensure that the second display is connected to your Notebook PC.



Toggles between AI noise-canceling modes

Built-in microphone

Mode	Description
Single-presenter conference call	Filters out ambient noise and nearby voices while enhancing your voice
Multi-presenter conference call	Filters out ambient noise while enhancing your voice and nearby voices

NOTE: Before using single-presenter conference call mode, record your voice in MyASUS to create a voiceprint.

External microphone

Mode	Description
AI noise-canceling	Filters out ambient noise



Launches ASUS ExpertWidget (customizable)



Launches ASUS MyExpert (customizable)



Captures an image of your current screen

16” model



Turns the speaker on or off



Turns the speaker volume down



Turns the speaker volume up



Turns the microphone on or off



Decreases display brightness



Increases display brightness



Adjusts brightness for the backlit keyboard*



Toggles the display mode

NOTE: Ensure that the second display is connected to your Notebook PC.



Activates the lock screen

** On selected models*



Toggles between AI noise-canceling modes

Built-in microphone

Mode	Description
Single-presenter conference call	Filters out ambient noise and nearby voices while enhancing your voice
Multi-presenter conference call	Filters out ambient noise while enhancing your voice and nearby voices

NOTE: Before using single-presenter conference call mode, record your voice in MyASUS to create a voiceprint.

External microphone

Mode	Description
AI noise-canceling	Filters out ambient noise



Launches ASUS ExpertWidget (customizable)



Launches ASUS MyExpert (customizable)

Function keys

Press <fn>+<esc> to enable or disable the function keys (F1-F12). When the function keys are enabled, you can also access hotkeys by holding down <fn> in combination with the function keys.

Windows keys



The Windows key launches the Start menu



The Menu key displays the drop-down menu



The Copilot key launches Windows Copilot

NOTE: Feature availability varies by market, see aka.ms/WindowsAIFeatures.

Using the numeric keypad

A numeric keypad is available on selected Notebook PC models. You can use this keypad for numeric input or as pointer direction keys. Press <num lk> to toggle between using the keypad as number keys or as pointer direction keys.

Chapter 3: Working with Windows

Starting for the first time

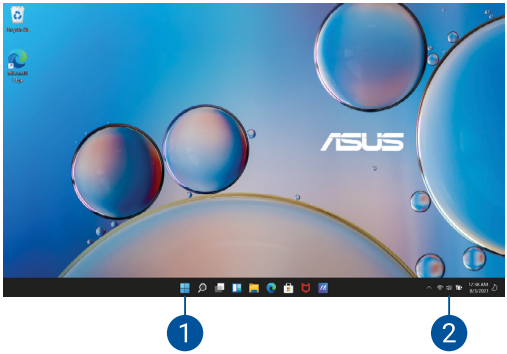
When you start your Notebook PC for the first time, a series of screens appear to guide you in configuring your Windows operating system.

To start your Notebook PC for the first time:

1. Press the power button on your Notebook PC. Wait for a few minutes until the setup screen appears.
2. From the setup screen, pick your region and a language to use on your Notebook PC.
3. Carefully read the License Agreement, then select **Accept**.
4. Follow the onscreen instructions to configure the following basic items:
    - Personalize
    - Get online
    - Settings
    - Your account
5. After configuring the basic items, Windows proceeds to install your apps and preferred settings. Ensure that your Notebook PC is kept powered on during the setup process.
6. Once the setup process is complete, the Windows desktop appears.

NOTE: The screenshots in this chapter are for reference only.

Windows desktop



1. Start menu

The Start menu is the main gateway to your Notebook PC's programs, Windows apps, folders, and settings.

2. Action Center

Action Center consolidates notifications from apps and presents a single place where you can interact with them.

Connecting to wireless networks

Wi-Fi

Access emails, surf the Internet, and share applications via social networking sites using your Notebook PC's Wi-Fi connection.

IMPORTANT! Airplane mode disables this feature. Ensure that **Airplane mode** is turned off before enabling the Wi-Fi connection of your Notebook PC.

Connecting to Wi-Fi

Connect your Notebook PC to a Wi-Fi network by using the following steps:

1. Open the **Action Center** from the taskbar.
2. Select the **Wi-Fi** icon to enable Wi-Fi.
3. Select an access point from the list of available Wi-Fi connections.
4. Select **Connect** to start the network connection.

NOTE: You may be prompted to enter a security key to activate the Wi-Fi connection.

Bluetooth

Use Bluetooth to facilitate wireless data transfers with other Bluetooth-enabled devices.

IMPORTANT! Airplane mode disables this feature. Ensure that **Airplane mode** is turned off before enabling the Bluetooth connection of your Notebook PC.

Pairing with other Bluetooth-enabled devices

You need to pair your Notebook PC with other Bluetooth-enabled devices to enable data transfers. Connect your devices by using the following steps:

1. Open the **Action Center** from the taskbar.
2. Select the **Bluetooth** icon to enable Bluetooth.
3. Select a device from the list to pair your Notebook PC with the device.

NOTE: For some Bluetooth-enabled devices, you may be prompted to key in the passcode of your Notebook PC.

Airplane mode

Airplane mode disables wireless communication, allowing you to use your Notebook PC safely while in flight.

NOTE: Contact your airline provider to learn about related in-flight services that can be used and restrictions that must be followed when using your Notebook PC in flight.

Turning Airplane mode on/off

1. Open the **Action Center** from the taskbar.
2. Select the **Airplane mode** icon to enable or disable Airplane mode.

Connecting to wired networks

You can also connect to wired networks, such as local area networks and broadband Internet connection, using your Notebook PC's LAN port.

NOTE: Contact your Internet Service Provider (ISP) for details or your network administrator for assistance in setting up your Internet connection.

Turning your Notebook PC off

Open the Start menu, then select the Power icon and select **Shut Down**.

> **NOTE:** If your Notebook PC is unresponsive, press and hold the power button for at least ten (10) seconds until your Notebook PC turns off.

Putting your Notebook PC to sleep

Open the Start menu, then select the Power icon and select **Sleep**.

> **NOTE:** You can also put your Notebook PC into sleep mode by pressing the power button once.

Putting your Notebook PC into the lowest power mode

To put your Notebook PC into the lowest power mode:

1. Enable fast startup:

   Right-click on the Windows Start icon > select **Run** > type: **powercfg.cpl** > click **OK** > **Choose what the power buttons do** > **Change settings that are currently unavailable** > check **Turn on fast startup (recommended)** > click **Save changes**.

2. Turn your Notebook PC off:

   Open the Start menu, then select the Power icon and select **Shut Down**.

MyASUS Splendid

MyASUS Splendid ensures that all ASUS display panels show identical and accurate colors. You may select the Vivid, Eye Care, or Manual modes in addition to the Normal mode to adjust the display settings.

- **Normal:** Through Gamma and Color temperature correction, the image output from the panel is as close as possible as what your eye can naturally see. For models with OLED panels, this mode is compliant with TÜV Low Blue Light Certification.
- **Vivid:** This mode allows you to adjust the saturation of the image, making it more vivid and vibrant.
- **Manual:** This mode allows you to adjust the color temperature value to your personal needs, ranging from -50 to +50.
- **Eye Care:** This mode reduces blue light emission by up to 30%, helping to protect your eyes.

  Level 1-5: The higher the level, the more blue light emission is reduced. For models with LCD panels, Level 5 is the optimized setting, and is compliant with TÜV Low Blue Light Certification.

  Flicker-free technology eliminates the primary cause of monitor flicker and prevents eye strain.

NOTE: Enable **HDR** from **Settings** > **System** > **Display** for a better viewing experience with your OLED panel (on selected models) that is compliant with TÜV Flicker Free Certification.

Please refer to the following tips to alleviate eye strain:

- Take some time away from the display if working for long hours. It is advised to take short breaks (at least 5 minutes) after around 1 hour of continuous working at the computer. Taking short and frequent breaks is more effective than a long break.
- To minimize eye strain and eye dryness, rest your eyes periodically by focusing on objects that are far away.
- Repeat the following exercises to reduce eye strain:

  (1) Look up and down repeatedly

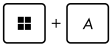
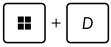
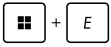
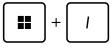
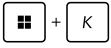
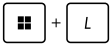
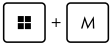
  (2) Slowly roll your eyes

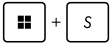
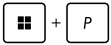
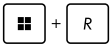
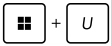
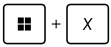
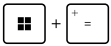
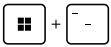
  (3) Move your eyes diagonally

  If eye strain persists, please consult a physician.
- High energy blue light may lead to eye strain and AMD (Age-Related Macular Degeneration). Blue light Filter reduces 30% (max.) harmful blue light to avoid CVS (Computer Vision Syndrome).

Other keyboard shortcuts

Using the keyboard, you can also use the following shortcuts to help you launch applications and navigate Windows.

	Launches **Start menu**
	Launches **Action Center**
	Launches the desktop
	Launches the **File Explorer**
	Launches **Settings**
	Launches **Connect** panel
	Activates the lock screen
	Minimizes all currently active windows

	Launches **Search**
	Launches **Project** panel
	Opens the **Run** window
	Opens **Accessibility**
	Opens the context menu of the Start button
	Launches the magnifier icon and zooms in your screen
	Zooms out your screen

Chapter 4: Power-On Self-Test (POST)

The Power-On Self-Test (POST)

The POST (Power-On Self-Test) is a series of software-controlled diagnostic tests that run when you turn on or restart your Notebook PC. The software that controls the POST is installed as a permanent part of the Notebook PC's architecture.

Using POST to access BIOS and Troubleshoot

During POST, you can access the BIOS settings or run troubleshooting options using the function keys of your Notebook PC. You may refer to the following information for more details.

BIOS

The BIOS (Basic Input and Output System) stores system hardware settings that are needed for system startup in the Notebook PC.

The default BIOS settings apply to most conditions of your Notebook PC. Do not change the default BIOS settings except in the following circumstances:

- An error message appears onscreen during system bootup and requests you to run the BIOS Setup.
- You have installed a new system component that requires further BIOS settings or updates.

WARNING! Using inappropriate BIOS settings may result in system instability or boot failure. We strongly recommend that you change the BIOS settings only with the help of a trained service personnel.

Accessing BIOS

Restart your Notebook PC, then press <F2> during POST.

Recovering your system

Using recovery options on your Notebook PC allows you to restore the system to its original state or simply refresh its settings to help improve performance.

IMPORTANT!

- Backup all your data files before doing any recovery option on your Notebook PC.
- Note down important customized settings such as network settings, user names, and passwords to avoid data loss.
- Ensure that your Notebook PC is plugged into a power source before resetting your system.

Windows allows you to do any of the following recovery options:

- **Keep my files** - This option allows you to refresh your Notebook PC without affecting personal files (photos, music, videos, documents).

  Using this option, you can restore your Notebook PC to its default settings and delete other installed apps.

- **Remove everything** - This option resets your Notebook PC to its factory settings. You must backup your data before doing this option.

- **Advanced startup** - Using this option allows you to perform other advanced recovery options on your Notebook PC such as:

  - Using a USB drive, network connection or Windows recovery DVD to startup your Notebook PC.

  - Using **Troubleshoot** to enable any of these advanced recovery options: Startup Repair, Uninstall Updates, Startup Settings, UEFI Firmware Settings, Command Prompt, System Restore, and System Image Recovery.

Performing a recovery option

Launch **Settings** and select **System** > **Recovery**, then select the recovery option you would like to perform.

Deleting your personal data

IMPORTANT! To protect personal data and support safe reuse or recycling, back up all data files on your Notebook PC, and ensure that all data is deleted from your Notebook PC before transfer or disposal.

You can securely delete your personal data either by performing media sanitization through the BIOS in accordance with the U.S. standards NIST SP 800-88 and IEEE 2883, or by resetting your Notebook PC to its factory settings.

To reset your Notebook PC, go to **Start** > **Settings** > **System** > **Recovery** > **Reset this PC** > **Remove everything**.

For more details, please visit https://www.asus.com/support/faq/1013063/.

Tips and FAQs

Useful tips for your Notebook PC

To help you maximize the use of your Notebook PC, maintain its system performance, and ensure all your data are kept secured, here are some useful tips that you can follow:

- Update Windows periodically to ensure that your applications have the latest security settings.
- Update MyASUS to ensure that you have the latest settings for ASUS exclusive applications, drivers, and utilities.
- Use an anti-virus software to protect your data and keep this updated too.
- Unless absolutely necessary, refrain from using force shutdown to turn off your Notebook PC.
- Always backup your data and make it a point to create a backup data in an external storage drive.
- If you are not using your Notebook PC for a long period of time, ensure to charge the battery power to 50%, then power off your Notebook PC and disconnect the AC power adapter.
- If you are constantly using AC power for your Notebook PC, ensure to discharge the battery power to 50% at least once every two weeks. You can also adjust the battery settings in MyASUS to help extend the battery life.

- Disconnect all external devices and ensure you have the following items prior to resetting your Notebook PC:
  - Product key for your operating systems and other installed applications
  - Backup data
  - Log in ID and password
  - Internet connection information
- Visit our support site for troubleshooting and view some of the most frequently asked questions at https://www.asus.com/support.

Hardware FAQs

1. **A black dot, or sometimes a colored dot, appears onscreen when I turn on the Notebook PC. What should I do?**

   Although these dots normally appear onscreen, they will not affect your system. If the incident continues and subsequently affects system performance, consult an authorized ASUS service center.

2. **My display panel has an uneven color and brightness. How can I fix this?**

   The color and brightness of your display panel may be affected by the angle and current position of your Notebook PC. The brightness and color tone of your Notebook PC may also vary per model. You may use the function keys or the display settings in your operating system to adjust the appearance of your display panel.

3. **How can I maximize my Notebook PC's battery life?**

   You can try doing any of the following suggestions:

   - Use the function keys to adjust the display brightness.
   - If you are not using any Wi-Fi connection, switch your system into **Airplane mode**.
   - Disconnect unused USB devices.
   - Close unused applications, especially those that take up too much system memory.

4. **My battery charge indicator does not light up. What's wrong?**

   - Check whether the power adapter or battery pack is attached correctly. You may also disconnect the power adapter or battery pack, wait for a minute, then reconnect them again to the power outlet and Notebook PC.

   - If the problem still exists, contact your local ASUS service center for assistance.

5. **Why is my touchpad not working?**

   Go to Touchpad settings (System settings) to enable your touchpad.

6. **When I play audio and video files, why can't I hear any sound from my Notebook PC's audio speakers?**

   You can try doing any of the following suggestions:

   - Press <F3> to turn up the speaker volume.

   - Check if your speakers were set to mute.

   - Check if a headphone jack is connected to your Notebook PC and remove it.

7. **What should I do if my Notebook PC's power adapter gets lost or my battery stops working?**

   Contact your local ASUS service center for assistance.

8. **My Notebook PC cannot do keystrokes correctly because my cursor keeps on moving. What should I do?**

   Make sure that nothing accidentally touches or presses on your touchpad while you type on the keyboard. You can also go to Touchpad settings (System settings) to disable your touchpad.

Software FAQs

1. **When I turn on my Notebook PC, the power indicator lights up but nothing appears on my screen. What can I do to fix this?**

   You can try doing any of the following suggestions:

   - Force shutdown your Notebook PC by pressing the power button for at least ten (10) seconds. Check if the power adapter and battery pack are inserted correctly, then turn on your Notebook PC.

   - If the problem still exists, contact your local ASUS service center for assistance.

2. **What should I do when my screen displays this message: "Remove disks or other media. Press any key to restart."?**

   You can try doing any of the following suggestions:

   - Remove all connected USB devices, then restart your Notebook PC.

   - Remove any optical discs that are left inside the optical drive, then restart.

   - If the problem still exists, your Notebook PC might have a memory storage problem. Contact your local ASUS service center for assistance.

3. **My Notebook PC boots slower than usual and my operating system lags. How can I fix this?**

   Delete the applications you recently installed or were not included with your operating system package, then restart your system.

4. **My Notebook PC does not boot up. How can I fix this?**

   You can try doing any of the following suggestions:

   - Remove all connected devices to your Notebook PC, then restart your system.
   - If the problem still exists, contact your local ASUS service center for assistance.

5. **Why can't my Notebook PC wake up from sleep mode?**

   - You need to press the power button to resume your last working state.
   - Your system might have completely used up its battery power. Connect the power adapter to your Notebook PC and connect to a power outlet, then press the power button.

6. **Does my Notebook PC support eSIM? If so, how can I enable eSIM on my Notebook PC?**

   Visit https://www.asus.com/support/FAQ/1048158/ for details on eSIM activation.

   To determine if your Notebook PC supports eSIM, follow the steps on the web page and see if the “eSIM“ option appears after step 3. If your Notebook PC supports eSIM, proceed with the rest of the steps to connect your Notebook PC to a cellular data network using an eSIM profile.

If you have any other problems, please visit https://www.asus.com/support/FAQ/1045091/ for troubleshooting.

Appendices

Legal information

USB-IF Trademark

The USB 5Gbps Port Logo is a trademark of the USB Implementers Forum, Inc.

The USB 10Gbps Port Logo is a trademark of the USB Implementers Forum, Inc.

The USB 20Gbps Port Logo is a trademark of the USB Implementers Forum, Inc.

The USB 40Gbps Port Logo is a trademark of the USB Implementers Forum, Inc.

Access Advance Patent Notice



Regulatory statements

Federal Communications Commission Interference Statement

This device complies with FCC Rules Part 15. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the Federal Communications Commission (FCC) rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING! The use of a shielded-type power cord is required in order to meet FCC emission limits and to prevent interference to the nearby radio and television reception. It is essential that only the supplied power cord be used. Use only shielded cables to connect I/O devices to this equipment. You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

(Reprinted from the Code of Federal Regulations #47, part 15.193, 1993. Washington DC: Office of the Federal Register, National Archives and Records Administration, U.S. Government Printing Office.)

FCC RF Exposure Information

This device meets the government's requirements for exposure to radio waves. This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government. The exposure standard employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. Tests for SAR are conducted using standard operating positions accepted by the FCC with the EUT transmitting at the specified power level in different channels. The FCC has granted an Equipment Authorization for this device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this device is on file with the FCC and can be found under the Display Grant section of www.fcc.gov/oet/ea/fccid.

FCC RF Caution Statement

IMPORTANT! Outdoor operations in the 5.15-5.25 GHz band are prohibited. This device has no ad-hoc capability for 5250-5350 and 5470-5725 MHz.

WARNING! Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

FCC 5.925-7.125 GHz Caution Statement

Operation of transmitters in the 5.925-7.125 GHz band is prohibited for control of or communications with unmanned aircraft systems.

The following applies to Very Low Power (VLP) devices: The operation of this device is prohibited on oil platforms and aircraft, except that operation of this device in 5.925-6.425 GHz is permitted in large aircraft while flying above 10,000 feet. Installation on outdoor fixed infrastructure is prohibited. Controlling or communications with unmanned aircraft systems, including drones, is prohibited.

Compliance Statement of Innovation, Science and Economic Development Canada (ISED)

This device complies with *Innovation, Science and Economic Development Canada* license exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

CAN ICES(B)/NMB(B)

Déclaration de conformité d'Innovation, Sciences et Développement économique Canada (ISED)

(French) Le présent appareil est conforme aux CNR d'*Innovation, Sciences et Développement économique Canada* applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

CAN ICES(B)/NMB(B)

ISED 5.925-7.125 GHz Caution Statement

RLAN devices:

- Devices shall not be used for control of or communications with unmanned aircraft systems.
- Devices shall not be used on oil platforms.
- Devices shall not be used on aircraft, except for the low-power indoor access points, indoor subordinate devices, low-power client devices, and very low-power devices operating in the 5925-6425 MHz band, that may be used on large aircraft as defined in the Canadian Aviation Regulations, while flying above 3,048 metres (10,000 feet).
- Devices shall not be used on automobiles.
- Devices shall not be used on trains.
- Devices shall not be used on maritime vessels.

(French) Appareils RLAN:

- Les dispositifs ne doivent pas être utilisés pour commander des systèmes d'aéronef sans pilote ni pour communiquer avec de tels systèmes;
- Les dispositifs ne doivent pas être utilisés sur les plateformes de forage pétrolier;
- Les dispositifs ne doivent pas être utilisés dans les aéronefs, à l'exception des points d'accès intérieurs de faible puissance, des dispositifs subordonnés intérieurs, des dispositifs clients de faible puissance et des dispositifs de très faible puissance fonctionnant dans la bande de 5 925 à 6 425 MHz, qui peuvent être utilisés dans les gros aéronefs tel qu'il est défini dans le Règlement de l'aviation canadien, et ce, lorsqu'ils volent à une altitude supérieure à 3 048 mètres (10 000 pieds).
- Les dispositifs ne doivent pas être utilisés dans les automobiles;
- Les dispositifs ne doivent pas être utilisés dans les trains;
- Les dispositifs ne doivent pas être utilisés sur les navires maritimes.

Radiation Exposure Statement

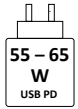
The product comply with the Canada portable RF exposure limit set forth for an uncontrolled environment and are safe for intended operation as described in this manual. The further RF exposure reduction can be achieved if the product can be kept as far as possible from the user body or set the device to lower output power if such function is available.

Déclaration relative à l'exposition aux radiations

(French) Le produit est conforme aux limites d'exposition pour les appareils portables RF pour les États-Unis et le Canada établies pour un environnement non contrôlé.

Le produit est sûr pour une utilisation telle que décrite dans ce manuel. Le niveau d'exposition aux ondes radio peut être réduit en plaçant l'appareil aussi loin que possible du corps de l'utilisateur ou que le dispositif est réglé sur la puissance de sortie la plus faible si une telle fonction est disponible.

USB PD Fast Charging



The power delivered by the charger must be between min 55 Watts required by the radio equipment, and max 65 Watts in order to achieve the maximum charging speed.

*The above is a description of EU regulations (Radio Equipment Directive). For optimal system performance, use a power adapter with an output rating of 65W.

Caution

Any devices capable of operating in the band 5150–5350 MHz shall only be used indoors to reduce the potential for harmful interference to co-channel mobile satellite systems (this requirement does not apply to OEM devices installed in vehicles by vehicle manufacturers).

Mise en garde

(French)

Tout dispositif capable de fonctionner dans la bande de 5150 à 5350 MHz ne doit être utilisé qu'à l'intérieur des bâtiments afin de réduire les risques d'interférences nuisibles avec les systèmes mobiles par satellite à canaux multiples (cette exigence ne s'applique pas aux dispositifs FEO installés dans les véhicules par les constructeurs automobiles).

Radio Frequency (RF) Exposure Information

The radiated output power of the Wireless Device is below the Innovation, Science and Economic Development Canada (ISED) radio frequency exposure limits. The Wireless Device should be used in such a manner such that the potential for human contact during normal operation is minimized.

This device has been evaluated for and shown compliant with the ISED Specific Absorption Rate ("SAR") limits when operated in portable exposure conditions.

Informations concernant l'exposition aux fréquences radio (RF)

(French) La puissance de sortie rayonnée du dispositif sans fil est inférieure aux limites d'exposition aux radiofréquences d'Innovation, Sciences et Développement économique Canada (ISED). Le dispositif sans fil doit être utilisé de manière à minimiser le potentiel de contact humain pendant le fonctionnement normal.

Cet appareil a été évalué et montré conforme aux limites de DAS (Débit d'Absorption Spécifique) de l'ISED lorsqu'il est utilisé dans des conditions d'exposition portables.

ISED SAR Information

This EUT is compliant with SAR for general population/uncontrolled exposure limits in IC RSS-102. This equipment should be installed and operated with a minimum distance of 0 cm between the radiator & your body. This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. The end user must follow the specific operating instructions to satisfy RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. The portable device is designed to meet the requirements for exposure to radio waves established by the ISED. These requirements set a SAR limit of 1.6 W/kg averaged over one gram of tissue. The highest SAR value reported under this standard during product certification for use when properly worn on the body.

(French) Cet EUT est la conformite avec SAR pour la population generale / les limites d'exposition incontrolees dans IC RSS-102. Cet equipement doit etre installe et utilise a une distance minimale de 0 cm entre le radiateur et votre corps. Cet equipement est conforme aux limites d'exposition aux rayonnements ISED etablies pour un environnement non controle. L'utilisateur final doit suivre les instructions specifiques pour satisfaire les normes. Cet emetteur ne doit pas etre co-implante ou fonctionner en conjonction avec toute autre antenne ou transmetteur.

UL Safety Notices

Required for UL 1459 covering telecommunications (telephone) equipment intended to be electrically connected to a telecommunication network that has an operating voltage to ground that does not exceed 200V peak, 300V peak-to-peak, and 105V rms, and installed or used in accordance with the National Electrical Code (NFPA 70).

When using the Notebook PC modem, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:

- DO NOT use the Notebook PC near water, for example, near a bath tub, wash bowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool.
- DO NOT use the Notebook PC during an electrical storm. There may be a remote risk of electric shock from lightning.
- DO NOT use the Notebook PC in the vicinity of a gas leak.

Required for UL 1642 covering primary (non-rechargeable) and secondary (rechargeable) lithium batteries for use as power sources in products. These batteries contain metallic lithium, or a lithium alloy, or a lithium ion, and may consist of a single electrochemical cell or two or more cells connected in series, parallel, or both, that convert chemical energy into electrical energy by an irreversible or reversible chemical reaction.

- DO NOT dispose the Notebook PC battery pack in a fire, as they may explode. Check with local codes for possible special disposal instructions to reduce the risk of injury to persons due to fire or explosion.
- DO NOT use power adapters or batteries from other devices to reduce the risk of injury to persons due to fire or explosion. Use only UL certified power adapters or batteries supplied by the manufacturer or authorized retailers.

Power Safety Requirement

Products with electrical current ratings up to 6A and weighing more than 3Kg must use approved power cords greater than or equal to: H05VV-F, 3G, 0.75mm^2 or H05VV-F, 2G, 0.75mm^2.

TV Notices

Note to CATV System Installer—Cable distribution system should be grounded (earthed) in accordance with ANSI/NFPA 70, the National Electrical Code (NEC), in particular Section 820.93, Grounding of Outer Conductive Shield of a Coaxial Cable – installation should include bonding the screen of the coaxial cable to the earth at the building entrance.

Macrovision Corporation Product Notice

This product incorporates copyright protection technology that is protected by method claims of certain U.S.A. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only *unless otherwise authorized by Macrovision Corporation*. Reverse engineering or disassembly is prohibited.

Coating Notice

IMPORTANT! To provide electrical insulation and maintain electrical safety, a coating is applied to insulate the device except on the areas where the I/O ports are located.

Prevention of Hearing Loss

To prevent possible hearing damage, do not listen at high volume levels for long periods.



Nordic Lithium Cautions (for lithium-ion batteries)

CAUTION! Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions. (English)

ATTENZIONE! Rischio di esplosione della batteria se sostituita in modo errato. Sostituire la batteria con un una di tipo uguale o equivalente consigliata dalla fabbrica. Non disperdere le batterie nell'ambiente. (Italian)

VORSICHT! Explosionsgefahr bei unsachgemäßen Austausch der Batterie. Ersatz nur durch denselben oder einem vom Hersteller empfohlenem ähnlichen Typ. Entsorgung gebrauchter Batterien nach Angaben des Herstellers. (German)

ADVARSELI! Lithiumbatteri - Eksplosionsfare ved fejlagtig håndtering. Udskiftning må kun ske med batteri af samme fabrikat og type. Levér det brugte batteri tilbage til leverandøren. (Danish)

VARNING! Explosionsfara vid felaktigt batteribyte. Använd samma batterityp eller en ekvivalent typ som rekommenderas av apparattillverkaren. Kassera använt batteri enligt fabrikantens instruktion. (Swedish)

VAROITUS! Paristo voi räjähtää, jos se on virheellisesti asennettu. Vaihda paristo ainoastaan laitevalmistajan sousittelemaan tyyppiin. Hävitä käytetty paristo valmistagan ohjeiden mukaisesti. (Finnish)

ATTENTION! Danger d'explosion si la batterie n'est pas correctement remplacée. Remplacer uniquement avec une batterie de type semblable ou équivalent, recommandée par le fabricant. Jeter les batteries usagées conformément aux instructions du fabricant. (French)

ADVARSEL! Eksplosjonsfare ved feilaktig skifte av batteri. Benytt samme batteritype eller en tilsvarende type anbefalt av apparatfabrikanten. Brukte batterier kasseres i henhold til fabrikantens instruksjoner. (Norwegian)

標準品以外の使用は、危険の元になります。交換品を使用する場合、製造者に指定されるものを使って下さい。製造者の指示に従って処理して下さい。(Japanese)

ВНИМАНИЕ! При замене аккумулятора на аккумулятор иного типа возможно его возгорание. Утилизируйте аккумулятор в соответствии с инструкциями производителя. (Russian)

Declaration of Compliance for Product Environmental Regulation

ASUS follows the green design concept to design and manufacture our products, and makes sure that each stage of the product life cycle of ASUS product is in line with global environmental regulations. In addition, ASUS disclose the relevant information based on regulation requirements.

Please refer to https://esg.asus.com/Compliance.htm for information disclosure based on regulation requirements ASUS is complied with.

EU REACH and Article 33

Complying with the REACH (Registration, Evaluation, Authorization, and Restriction of Chemicals) regulatory framework, we publish the chemical substances in our products at ASUS REACH website at https://esg.asus.com/Compliance.htm.

EU RoHS

This product complies with the EU RoHS Directive. For more details, see https://esg.asus.com/Compliance.htm.

Japan JIS-C-0950 Material Declarations

Information on Japan RoHS (JIS-C-0950) chemical disclosures is available on https://esg.asus.com/Compliance.htm.

India RoHS

This product complies with the “India E-Waste (Management) Rules, 2016” and prohibits use of lead, mercury, hexavalent chromium, polybrominated biphenyls (PBBs) and polybrominated diphenyl ethers (PBDEs) in concentrations exceeding 0.1% by weight in homogenous materials and 0.01% by weight in homogenous materials for cadmium, except for the exemptions listed in Schedule II of the Rule.

Vietnam RoHS

ASUS products sold in Vietnam, on or after September 23, 2011, meet the requirements of the Vietnam Circular 30/2011/TT-BCT.

Vietnamese: Các sản phẩm ASUS bán tại Việt Nam, vào ngày 23 tháng 9 năm2011 trở về sau, đều phải đáp ứng các yêu cầu của Thông tư 30/2011/TT-BCT của Việt Nam.

ASUS Recycling/Takeback Services

ASUS recycling and takeback programs come from our commitment to the highest standards for protecting our environment. We believe in providing solutions for you to be able to responsibly recycle our products, batteries, other components as well as the packaging materials.

Please go to https://esg.asus.com/en/Takeback.htm for detailed recycling information in different regions.

Ecodesign Directive

The European Union announced a framework for the setting of ecodesign requirements for energy-related products (2009/125/EC). Specific implementing measures are aimed at improving environmental performance of specific products or across multiple product types. ASUS provides product information at https://esg.asus.com/Compliance.htm.

Rechargeable Battery Recycling Service in North America

For US and Canada customers, you can call 1-800-822-8837 (toll-free) for recycling information of your ASUS products' rechargeable batteries.



EPEAT Registered Products

The public disclosure of key environmental information for ASUS EPEAT (Electronic Product Environmental Assessment Tool) registered products is available at https://esg.asus.com/en/Ecolabel.htm. More information about EPEAT program and purchase guidance can be found at www.epeat.net.

ENERGY STAR® Qualified Product

ENERGY STAR® is a joint program of the U.S. Environmental Protection Agency and the U.S. Department of Energy helping us all save money and protect the environment through energy efficient products and practices.

All ASUS products with the ENERGY STAR® logo comply with the ENERGY STAR® standard, and the power management feature is enabled by default. The monitor is automatically set to sleep within 10 minutes of user inactivity; the computer is automatically set to sleep within 30 minutes of user inactivity. To wake your computer, click the mouse, press any key on the keyboard, or press the power button.

Please visit https://www.energystar.gov for detailed information on the ENERGY STAR® joint program, power management, and the benefits to the environment.

NOTE: ENERGY STAR® is NOT supported on FreeDOS and Linux-based products.

Notices for removable batteries

- Risk of explosion if battery is replaced by an incorrect type.
- The battery and its component must be recycled or disposed of properly.

Avis concernant les batteries remplaçables

(French)

- La batterie de l'appareil peut présenter un risque d'incendie ou de brûlure si celle-ci est retirée ou désassemblée.
- La batterie et ses composants doivent être recyclés de façon appropriée.

Wi-Fi Network Notice

Wi-Fi 6GHz band frequency connection is available on selected models. The availability and connectivity of the Wi-Fi 6GHz band may vary according to the regulations and certifications of each country/region.

Regional notice for Singapore

This ASUS product complies with IMDA Standards.

Complies with
IMDA Standards
DB103778

Simplified EU Declaration of Conformity

ASUSTek Computer Inc. hereby declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. Full text of EU declaration of conformity is available at https://www.asus.com/support/.

The WiFi operating in the band 5150-5350 MHz shall be restricted to indoor use for countries listed below:

AT, BE, BG, CZ, DK, EE, FR, DE, IS, IE, IT, EL, ES, CY, LV, LI, LT, LU, HU, MT, NL, NO, PL, PT, RO, SI, SK, TR, FI, SE, CH, HR, UK(NI)

CE

a. Low Power Indoor (LPI) Wi-Fi 5.945-6.425 GHz devices:
The device is restricted to indoor use only when operating in the 5945 to 6425 MHz frequency range in Austria (AT), Belgium (BE), Bulgaria (BG), Cyprus (CY), Czech Republic (CZ), Estonia (EE), France (FR), Germany (DE), Iceland (IS), Ireland (IE), Latvia (LV), Luxembourg (LU), Netherlands (NL), Norway (NO), Romania (RO), Slovakia (SK), Slovenia (SI), Spain (ES), Switzerland (CH).

b. Very Low Power (VLP) Wi-Fi 5.945-6.425 GHz devices (portable devices):
The device is not permitted to be used on Unmanned Aircraft Systems (UAS) when operating in the 5945 to 6425 MHz frequency range in Austria (AT), Belgium (BE), Bulgaria (BG), Cyprus (CY), Czech Republic (CZ), Estonia (EE), France (FR), Germany (DE), Iceland (IS), Ireland (IE), Latvia (LV), Luxembourg (LU), Netherlands (NL), Norway (NO), Romania (RO), Slovakia (SK), Slovenia (SI), Spain (ES), Switzerland (CH).

Simplified UKCA Declaration of Conformity

ASUSTek Computer Inc. hereby declares that this device is in compliance with the essential requirements and other relevant provisions of The Radio Equipment Regulations 2017 (S.I. 2017/1206). Full text of UKCA declaration of conformity is available at https://www.asus.com/support/.

The WiFi operating in the band 5150-5350 MHz shall be restricted to indoor use for the country listed below:

UK

a. Low Power Indoor (LPI) Wi-Fi 5.945-6.425 GHz devices:
The device is restricted to indoor use only when operating in the 5925 to 6425 MHz frequency range in the UK.

b. Very Low Power (VLP) Wi-Fi 5.945-6.425 GHz devices (portable devices):
The device is not permitted to be used on Unmanned Aircraft Systems (UAS) when operating in the 5925 to 6425 MHz frequency range in the UK.