



Notebook PC

E-Manual



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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® 8

This chapter provides an overview of using Windows® 8 in your Notebook PC.

Chapter 4: ASUS Apps

This chapter features the ASUS apps included with your Notebook PC.

Chapter 5: Power-on Self-test (POST)

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

Icons

The icons below indicate the devices you can use for completing a series of tasks or procedures on your Notebook PC.



= Use the Tablet screen.



= Use the touchpad.



= Use the keyboard.

Typography

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

Italic = This 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.



Do not leave your Notebook PC on your lap or near any part of your body to prevent discomfort or injury from heat exposure.



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 inflight 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 a solution of nonabrasive detergent and a few drops of warm water. Remove any extra moisture from your Notebook PC using a dry cloth.



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.

Proper disposal



Do not throw your Notebook PC in municipal waste. This product has been designed to enable proper reuse of parts and recycling. The symbol of the crossed out wheeled bin indicates that the product (electrical, electronic equipment and mercury-containing button cell battery) should not be placed in municipal waste. Check local regulations for disposal of electronic products.



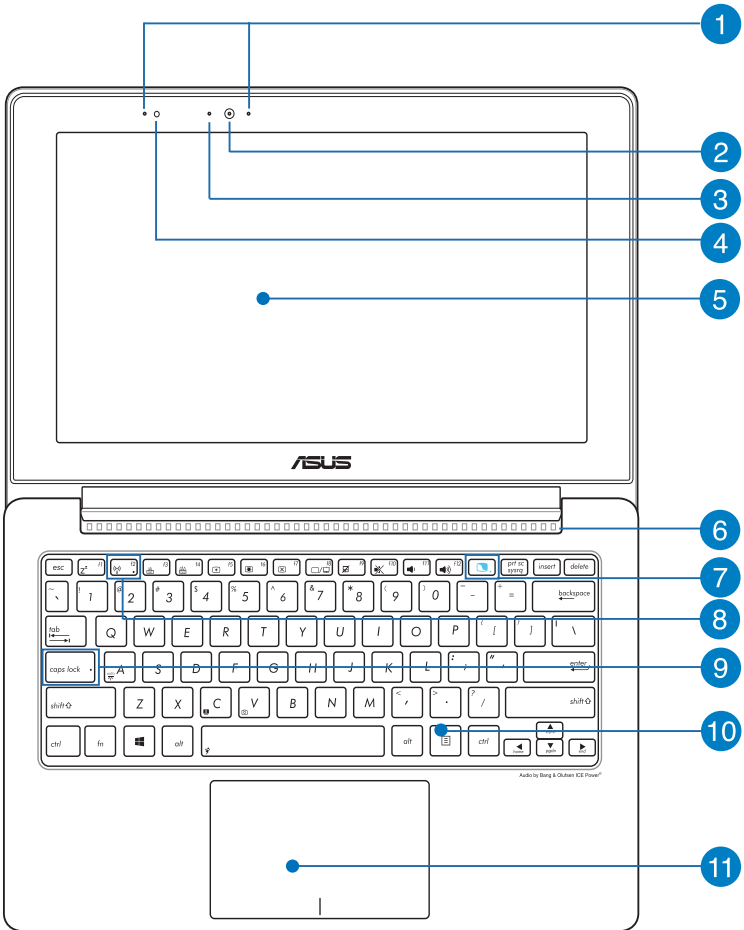
Do not throw the battery in municipal waste. The symbol of the crossed out wheeled bin indicates that the battery should not be placed in municipal waste.

Chapter 1: ***Hardware Setup***

Getting to know your Notebook PC

Notebook View

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



1 **Array microphones**

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

2 **Camera**

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

3 **Camera indicator**

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

4 **Ambient light sensor**

The ambient light sensor detects the amount of ambient light in your environment. It allows the system to automatically adjust the brightness of the display depending on the ambient light condition.

5 **Notebook screen**

The Notebook screen allows you to view photos, videos, and other files on your Notebook PC.

6 **Air vents**

The air vents allow cool air to enter and 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.

7 Taichi key

This key launches the Taichi home page on your Notebook PC so you can switch between these screen modes: **Notebook Mode, Dual Screen Mode, Mirror Mode, Tablet Mode.**

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

Tablet screen indicator

This indicator lights up when the Tablet screen is enabled.

8 Bluetooth / Wireless indicator

This indicator lights up when your Notebook PC's wireless function (Bluetooth or Wi-Fi) is enabled.

9 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.

10 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.

11 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 *Gestures for the touchpad* section in this manual.

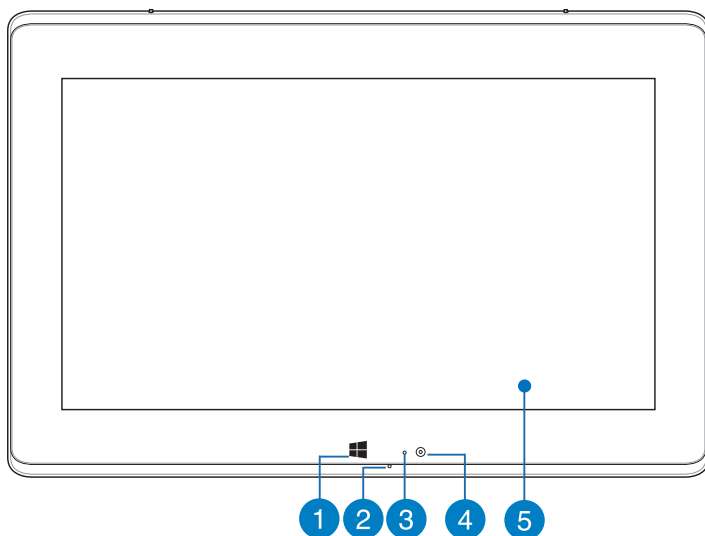
Near Field Communication (NFC) (on selected models)

The built-in NFC allows you to conveniently share contacts, pictures, videos, business cards, and other files in related applications. To use the NFC, put another NFC-enabled device on the left side of the Notebook PC's touchpad.



NOTE: The area outside the dotted line activates the NFC function and cannot be used for touchpad gestures.

Tablet View



1 Windows® 8 touch button

Touch this button to go back to the Start screen. If you are already in the Start screen, touch this button to go back to the last app you opened.

2 Microphone

The built-in microphone can be used for video conferencing, voice narrations, or simple audio recording.

3 Ambient light sensor

The ambient light sensor detects the amount of ambient light in your environment. It allows the system to automatically adjust the brightness of the display depending on the ambient light condition.

4 Camera

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

5 Tablet screen

The Tablet screen allows you to operate your Notebook PC using touch gestures.

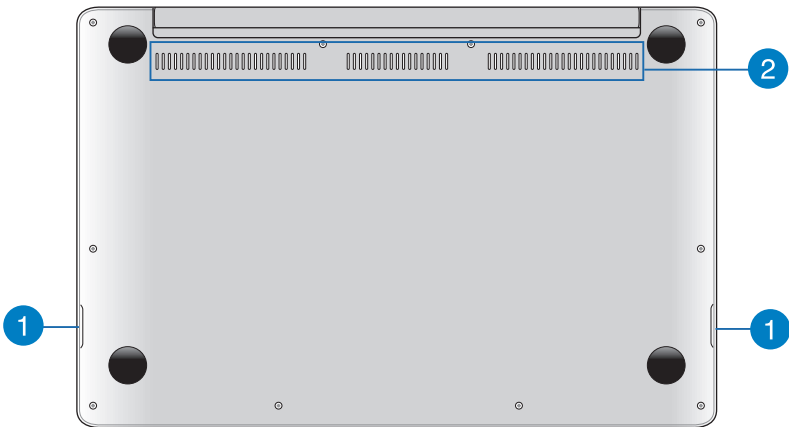
NOTE: For more details on using touch gestures, refer to the *Using gestures on your Tablet screen* section in this manual.

Bottom

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

WARNING! The bottom of the Notebook PC can get warm to hot while in use or while charging the battery pack. 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.



1 Audio speakers

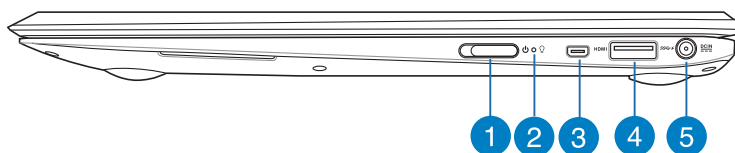
This Notebook PC uses SonicMaster technology developed in collaboration with Bang & Olufsen ICEPower®, allowing you to hear audio straight from the Notebook PC. The audio features of this Notebook PC are software-controlled.

2 Air vents

The air vents allow cool air to enter and 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.

Right Side



1 Power switch

Move the power switch to the left to turn your Notebook PC on or off. You can also use the power switch 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, move the power switch to the left and hold it for about four (4) seconds until your Notebook PC shuts down.

2 Power indicator

The power indicator lights up when the Notebook PC is turned on and blinks slowly when the Notebook PC is in sleep mode.

3 Micro HDMI port

This port is for a micro High-Definition Multimedia Interface (HDMI) connector and is HDCP compliant for HD DVD, Blu-ray and other protected content playback.

4 USB 3.0 port with USB Charger+

This USB 3.0 port with the ⚡ icon comes with the USB Charger+ feature. USB Charger+ allows you to quick-charge mobile devices and can be used even while your Notebook PC is on sleep, hibernate, or shutdown mode (on selected models).

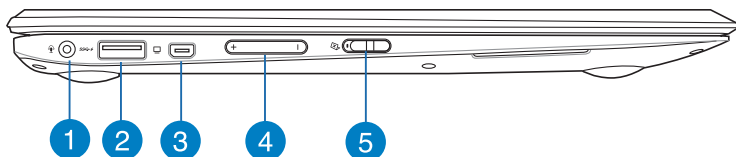
5 Power (DC) input port

Insert the bundled power adapter into this port to charge the battery pack and supply power to your Notebook PC.

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! Use only the bundled power adapter to charge the battery pack and supply power to your Notebook PC.

Left Side



1 Headphone output/microphone input combo jack port

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

2 USB 3.0 port with USB Charger+

This USB 3.0 port with the ⚡ icon comes with the USB Charger+ feature. USB Charger+ allows you to quick-charge mobile devices and can be used even while your Notebook PC is on sleep, hibernate, or shutdown mode (on selected models).

3 Mini VGA port

The mini VGA port allows you to connect your Notebook PC to a standard VGA-compatible device, such as a monitor or projector, using a VGA cable.

4 Volume button

This button turns the volume up or down on your Notebook PC.

5 Tablet screen lock switch

This switch allows you to activate and deactivate the Tablet screen.

Chapter 2: ***Using your Notebook PC***

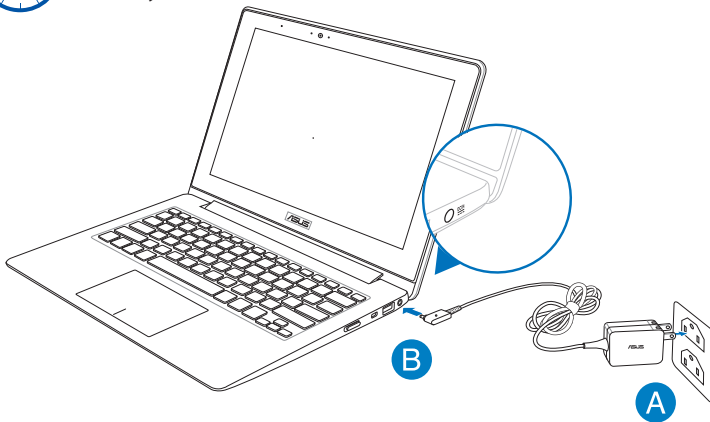
Getting started

Charge your Notebook PC.

- A. Plug the AC power adapter into a 100V~240V power source.
- B. Connect the DC power connector into your Notebook PC's power (DC) input.



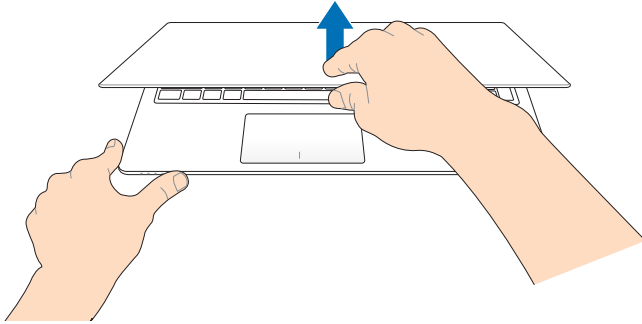
Charge the Notebook PC for **3 hours** before using it in battery mode for the first time.



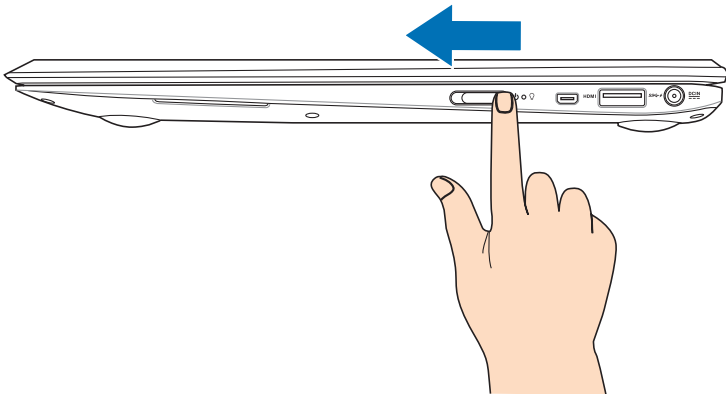
IMPORTANT!

- Ensure that your Notebook PC is connected to the power adapter before turning it on for the first time.
- Locate the input/output rating label on your Notebook PC and ensure that it matches the input/output rating information on your power adapter.
- When using your Notebook PC on power adapter mode, the socket outlet must be near to the unit and easily accessible.
- Power adapter information:
 - Input voltage: 100-240Vac
 - Input frequency: 50-60Hz
 - Rating output current: 2.37A
 - Rating output voltage: 19V

Lift to open the display panel.



Move the power switch to the left.



Using gestures on your Tablet screen

Gestures allow you to launch programs and access the settings of your Notebook PC. Refer to the following illustrations when using hand gestures on your Tablet screen.

Left edge swipe



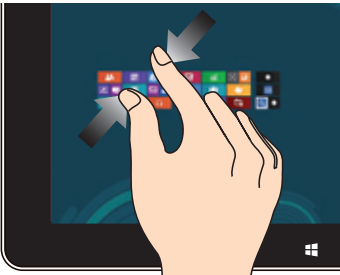
Swipe from the left edge of the screen to shuffle your running apps.

Right edge swipe



Swipe from the right edge of the screen to launch the **Charm bar**.

Zoom out



Bring together your two fingers on the touch panel.

Zoom in



Spread apart your two fingers on the touch panel.

Top edge swipe



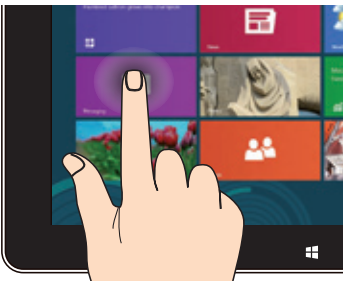
- In the Start screen, swipe from the top edge of the screen to view the **All Apps** bar.
- In a running app, swipe from the top edge of the screen to view its menu.

Finger slide



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

Tap and hold



- To move an app, tap and hold the app tile and drag it to a new location.
- To close an app, tap and hold the top side of the running app and drag it down to the bottom of the screen to close it.

Tap/Double tap



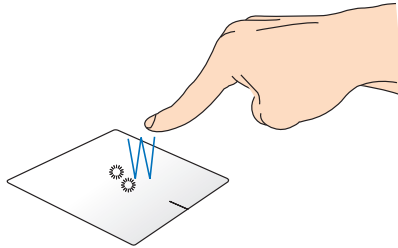
- Tap an app to launch it.
- On Desktop mode, double-tap an application to launch it.

Using touchpad gestures

Refer to the following illustrations when using hand gestures on your touchpad.

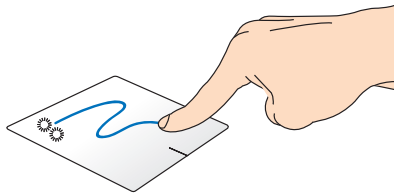
One-finger gestures

Tap/Double tap



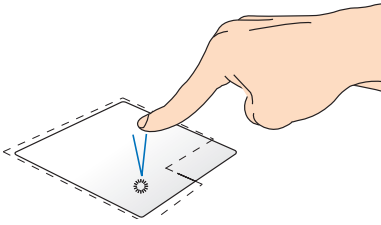
- In the Start screen, tap an app to launch it.
- In Desktop mode, double-tap an application to launch it.

Drag and drop



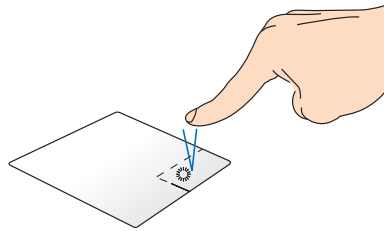
Double-tap an item, then slide the same finger without lifting it off the touchpad. To drop the item to its new location, lift your finger from the touchpad.

Left-click



- In the Start screen, click an app to launch it.
- In Desktop mode, double-click an application to launch it.

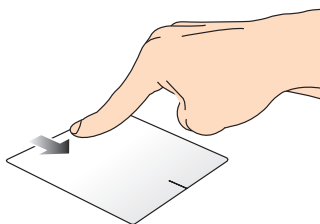
Right-click



- In the Start screen, click an app to select it and launch the settings bar. You can also press this button to launch the **All Apps** bar.
- In Desktop mode, use this button to open the right-click menu.

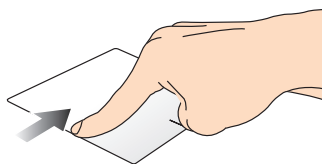
NOTE: The areas inside the dotted line represent the locations of the left mouse button and the right mouse button on the touchpad.

Top edge swipe



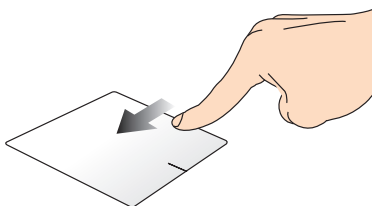
- In the Start screen, swipe from the top edge to launch the **All Apps** bar.
- In a running app, swipe from the top edge to view its menu.

Left edge swipe



Swipe from the left edge to shuffle your running apps.

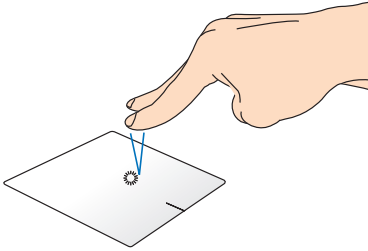
Right edge swipe



Swipe the right edge to launch the **Charm bar**.

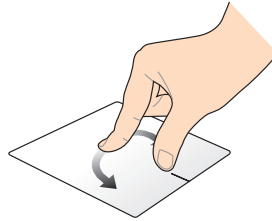
Two-finger gestures

Tap



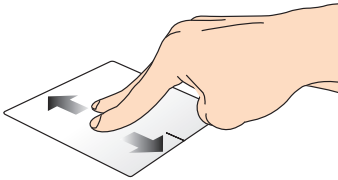
Tap two fingers on the touchpad to simulate the right-click function.

Rotate



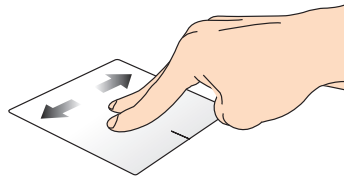
To rotate an image, place two fingers on the touchpad then turn one finger clockwise or counterclockwise while the other stays still.

Two-finger scroll (up/down)



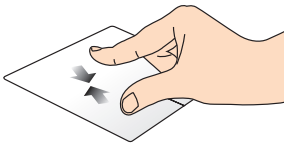
Slide two fingers to scroll up or down.

Two-finger scroll (left/right)



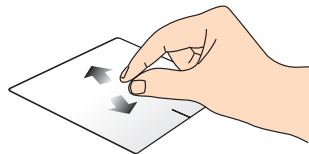
Slide two fingers to scroll left or right.

Zoom out



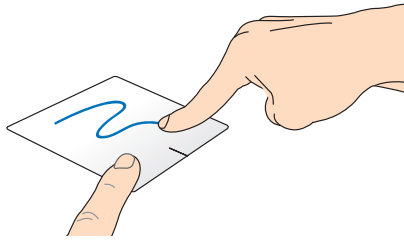
Bring together your two fingers on the touchpad.

Zoom in



Spread apart your two fingers on the touchpad.

Drag and drop



Select an item then press and hold the left button. Using your other finger, slide down the touchpad to drag and drop the item to a new location.

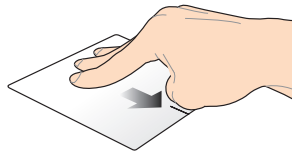
Three-finger gestures

Swipe up



Swipe three fingers upward to show all running applications.

Swipe down




Swipe three fingers downward to show the Desktop mode.

Using the keyboard

Function keys

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

NOTE: To use the original functions of the f1 to f12 keys in Windows® 8, press  and the specific function key you wish to use.



Puts the Notebook PC into **Sleep mode**



Turns **Airplane mode** on or off

NOTE: When enabled, the **Airplane mode** disables all wireless connectivity.



(on selected models) Decreases keyboard brightness for Notebook PC models with a backlit keyboard



(on selected models) Increases keyboard brightness for Notebook PC models with a backlit keyboard



Decreases display brightness



Increases display brightness



Turns the display panel off



Activates the second screen

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



Enables or disables the touchpad



Turns the speaker on or off



Turns the speaker volume down



Turns the speaker volume up



(on selected models) Toggles the ambient light sensor on or off

Function keys for ASUS Apps

Your Notebook PC also comes with a special set of function keys that can be used to launch ASUS apps.



Toggles the **ASUS Splendid Video Enhancement Technology** app to switch between these display color enhancement modes: Gamma Correction, Vivid Mode, Theater Mode, Soft Mode, My Profile, and Normal.



Launches the **ASUS LifeFrame** app



Launches the **ASUS Power4Gear Hybrid** app

Windows® 8 keys

There are two special Windows® keys on your Notebook PC's keyboard used as below:



Press this key to go back to the Start screen. If you are already in the Start screen, press this key to go back to the last app you opened.




Press this key to simulate the right-click functions.

Using the Taichi key

The Taichi key on your Notebook PC's keyboard allows you to access four screen modes via the ASUS Taichi home page:

To activate any of these modes:

1. Press  to launch the Taichi home page.
2. On the Taichi home page, press **Mode Switch** then use the arrow keys to select the screen mode you wish to activate.



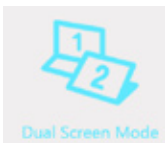
Notebook Mode - This activates the Notebook screen only.



Tablet Mode - This activates the Tablet screen and allows you to use touch gestures on your Notebook PC.



Mirror Mode - This activates the Tablet and Notebook screens of your Notebook PC. Using this mode, you can duplicate an action done from the Notebook screen to the Tablet screen and vice versa.



Dual Screen Mode - This activates the Tablet and Notebook screens of your Notebook PC. Using this mode, you can use both screens to view different displays and perform different functions.

Chapter 3: ***Working with Windows® 8***

Starting for the first time

When you start your computer for the first time, a series of screens appear to guide you in configuring the basic settings of your Windows® 8 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 a language to use on your Notebook PC.
3. Carefully read the License Terms. Tick **I accept the terms for using Windows** then click **Accept**.
4. Follow the onscreen instructions to configure the following basic items:
 - Keep your PC secure
 - Personalize
 - Wireless
 - Settings
 - Sign in to your PC
5. After configuring the basic items, the Windows®8 tutorial appears. Watch this to learn more about Windows®8 functionalities.

Windows® 8 lock screen

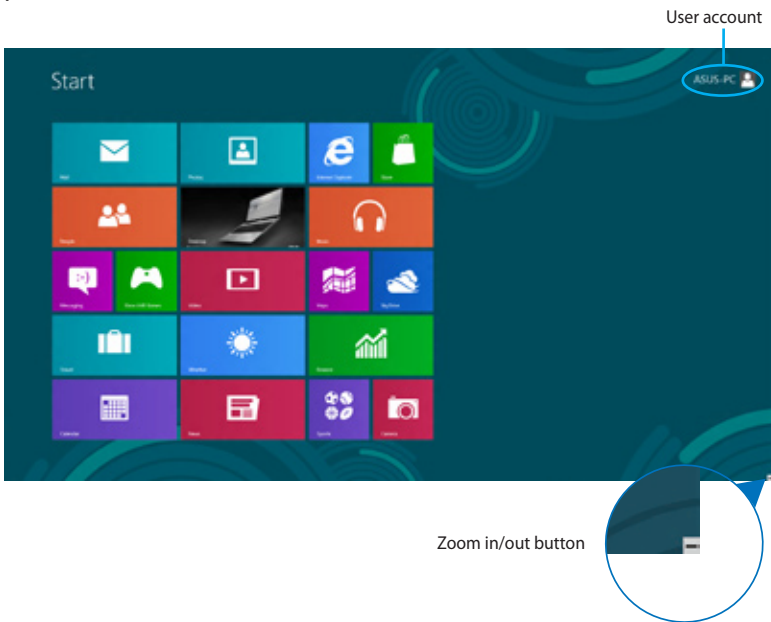
The Windows®8 lock screen may appear when your Notebook PC enters the Windows®8 operating system. To proceed, tap on the lock screen or press any key on your Notebook PC's keyboard.

Windows® UI

Windows® 8 comes with a tile-based user interface (UI) which allows you to organize and easily access Windows® apps from the Start screen. It also includes the following features that you can use while working on your Notebook PC.

Start screen

The Start screen appears after successfully signing in to your user account. It helps organize all the applications you need in just one place.



Windows® App

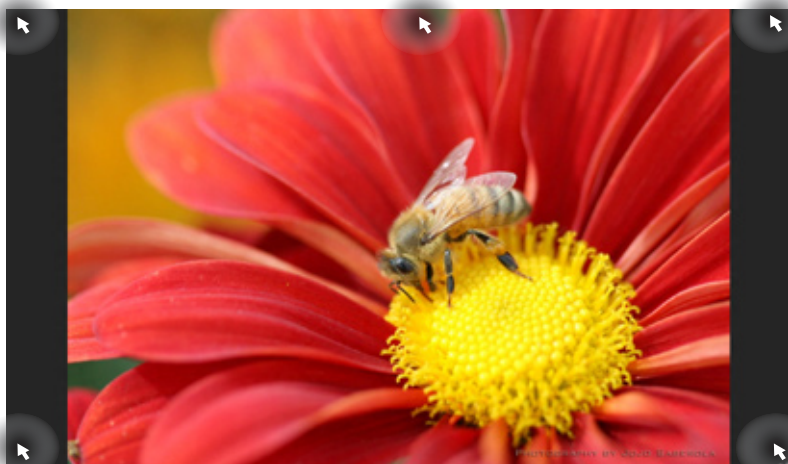
These are apps pinned on the Start screen and displayed on tiled-format for easy access.

NOTE: Some apps require signing in to your Microsoft account before they are fully launched.

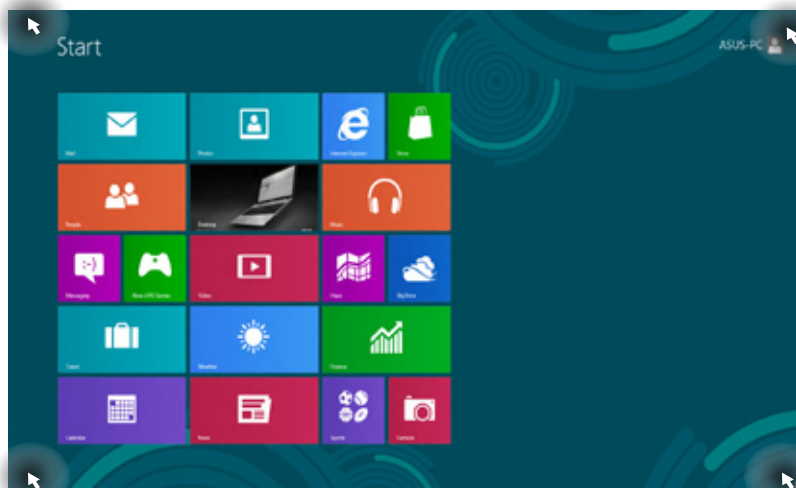
Hotspots

Onscreen hotspots allow you to launch programs and access the settings of your Notebook PC. The functions in these hotspots can be activated using the touchpad.

Hotspots on a running app



Hotspots on the Start screen



Hotspot

Action

upper left corner

Hover your mouse pointer on the upper left corner then tap on the recent app's thumbnail to revert back to that running app.

If you launched more than one app, slide down to show all running apps.

lower left corner

From a running app screen:

Hover your mouse pointer on the lower left corner then tap on the Start screen's thumbnail to go back to the Start screen.

NOTE: You can also press the Windows key



on your keyboard to go back to the Start screen.

From the Start screen:

Hover your mouse pointer on the lower left corner then tap on the running app's thumbnail to go back to that app.

top side

Hover your mouse pointer on the top side until it changes to a hand icon. Drag then drop the app to a new location.

NOTE: This hotspot function only works on a running app or when you want to use the Snap feature. For more details, refer to the Snap feature under *Working with Windows® apps*.

upper or lower right corner

Hover your mouse pointer on the upper or lower right corner to launch the **Charm bar**.

Working with Windows® apps

Use your Notebook PC's Tablet screen, touchpad, or keyboard to launch, customize, and close apps.

Launching apps


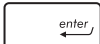


Tap an app to launch it.



Position your mouse pointer over the app then left-click or tap once to launch it.



Press  twice then use the arrow keys to browse through the apps. Press  to launch an app.

Customizing apps

You can move, resize, or unpin apps from the Start screen using the following steps:

Moving apps





Tap and hold the app tile then drag it to a new location.



Double-tap on the app then drag and drop the app to a new location.

Resizing apps



1. Swipe down the app tile to select and launch the settings bar.
2. Tap  to reduce or  to enlarge the app tile.



Right-click on the app to activate its settings bar then tap




or



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Unpinning apps



1. Swipe down the app tile to select and launch the settings bar.
2. Tap  to unpin an app.



Right-click on the app to activate the settings bar then tap



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Closing apps



Tap and hold the top side of the running app then drag it down to the bottom of the screen to close it.



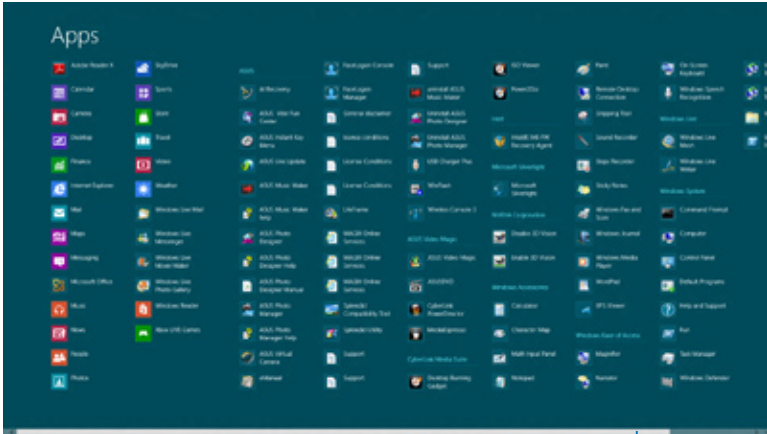
1. Move your mouse pointer on the top side of the launched app then wait for the pointer to change to a hand icon.
2. Drag then drop the app to the bottom of the screen to close it.



From the running app's screen, press `alt` + `F4`.

Accessing the Apps screen

Aside from the apps already pinned on your Start screen, you can also open other applications through the Apps screen.




Horizontal scroll bar

Launching the Apps screen

Launch the Apps screen using your Notebook PC's Tablet screen, touchpad, or keyboard.



1. Swipe from the top or bottom edge of the screen to launch the **All Apps** bar.
2. Tap  to show all installed apps in your Notebook PC.



Swipe from the top edge to launch the **All Apps** bar.

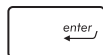


From the Start screen, press  +  to select the **All**

Apps icon




then press




Pinning more apps on the Start screen

You can pin more apps on the Start screen using your Tablet screen or touchpad.



1. In the Apps screen, swipe down the app to select and launch the settings bar.
2. Tap  to pin the selected app on the Start screen.



1. Position the mouse pointer over the app you want to pin on the Start screen.
2. Right-click on the app to activate its settings.
3. Tap on the  icon.