

SAMSUNG

USER GUIDE

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Getting started

Device layout and functions

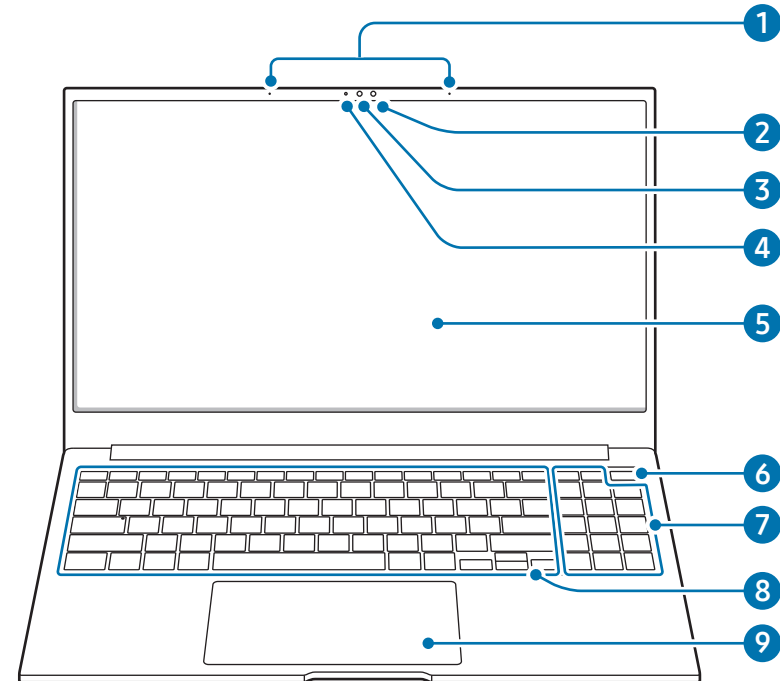



Leaving the screen idle for extended periods may result in afterimages (screen burn-in) or ghosting. Turn off the screen, or turn on the screen saver or power saving mode when you are not using the Chromebook.



- Features or options may differ depending on the model.
- The items marked as optional may not be provided or may be provided in different locations.
- Since some space on the storage device is reserved for system recovery and operations, the available space on the storage device may be less than the actual capacity.

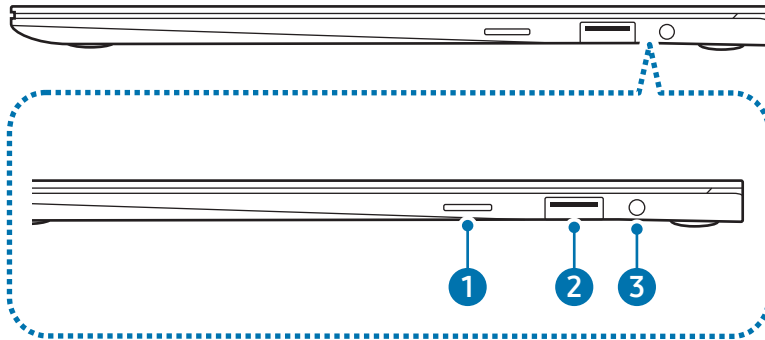
Front view



Number/Name	Description
1 Microphone	<ul style="list-style-type: none"> You can use the voice recording or video call features through the built-in microphone.
2 Ambient light sensor	<ul style="list-style-type: none"> Recognizes the brightness of the environment where you use the Chromebook. When the surroundings become dark, the keyboard backlight turns on. When the surroundings become bright, the keyboard backlight turns off.  Do not cover the ambient light sensor.
3 Front camera	<ul style="list-style-type: none"> Using this camera, you can take still pictures and record video.
4 Front camera indicator light	<ul style="list-style-type: none"> This indicates the front camera operating status.
5 Display	<ul style="list-style-type: none"> The screen's images are displayed here.

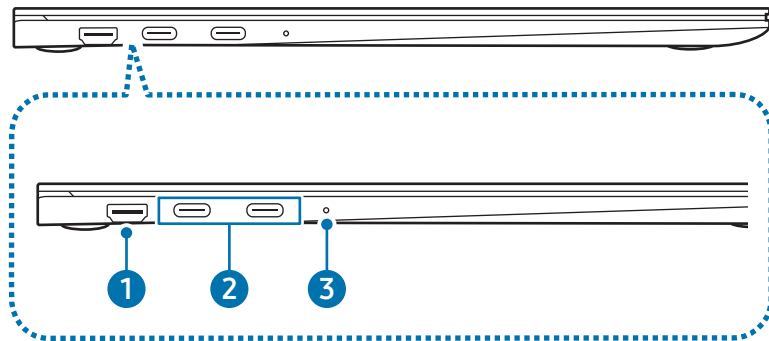
Number/Name	Description
6 Power button	<ul style="list-style-type: none"> Turns the Chromebook on and off.
7 Numeric keypad	<ul style="list-style-type: none"> Enter numbers.
8 Keyboard	<ul style="list-style-type: none"> Enter text or control Chromebook functions.
9 Touchpad	<ul style="list-style-type: none"> Moves the cursor and selects options. Functions as a mouse.

Right view



Number/Name	Description
1 Memory card slot	<ul style="list-style-type: none">Insert a memory card into the slot.
2 USB 3.2 port	<ul style="list-style-type: none">Connect various accessories, such as a mouse, camera, or keyboard.
3 Earpiece/ Headset jack	<ul style="list-style-type: none">Connect an earpiece or a headset to the Chromebook to listen to audio.

Left view



Number/Name	Description
1 HDMI port	<ul style="list-style-type: none"> Use to connect an HDMI cable to an external device.
2 USB Type-C port	<ul style="list-style-type: none"> Connect the supplied adapter to charge the Chromebook. Connect and charge a USB Type-C device, or connect to an external display device.
3 Power LED	<ul style="list-style-type: none"> Shows the operating status of the Chromebook. <ul style="list-style-type: none"> Red: Charging Green: Fully charged Blue: Turned on

The charging feature of the USB Type-C port

Charging the Chromebook

Connect an external power supply (sold separately) to the USB Type-C port to use it as the auxiliary power or charge the Chromebook.

Use an external power supply (sold separately) with a rating level higher than 45 W (20 V, 2.25 A) that supports USB Type-C.

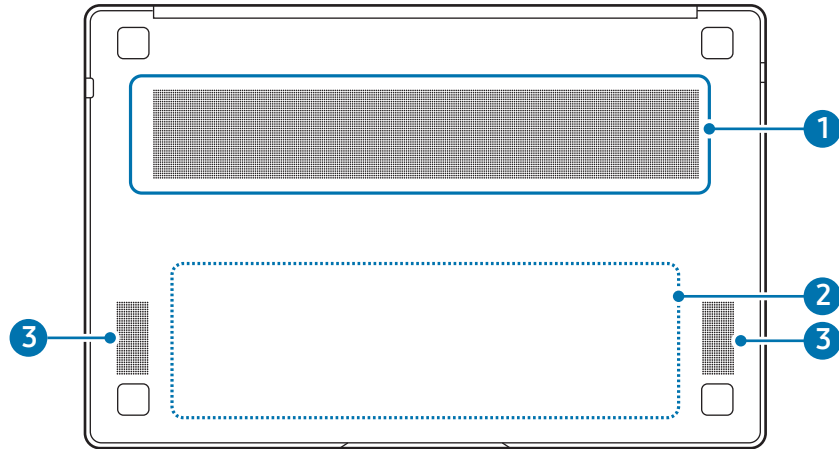
Charging a USB Type-C device

Connect and charge your USB Type-C device by connecting it to the USB Type-C port.



- It may take longer to charge the battery when charging a connected device.
- The battery power level may be reduced when charging a connected device while the Chromebook is powered by the battery.
- The charging status of the connected device is not displayed on the Chromebook.
- This charging feature may not be available on some devices.
- When the Chromebook is turned off, the device connected to the USB Type-C port is not charged.

Bottom view




Number/Name	Description
1 Fan vents	<ul style="list-style-type: none"> Sucks in outside air and discharges heat generated inside the Chromebook through these holes. If the vents are blocked the Chromebook may overheat. Avoid blocking the vents as this may be dangerous.
2 Internal battery	<ul style="list-style-type: none"> Provides power to the Chromebook when not connected to an adapter. To remove or replace the internal battery, take it to a Samsung Service Center. You will be charged for this service.
3 Speaker	<ul style="list-style-type: none"> Sound is emitted from the speakers.



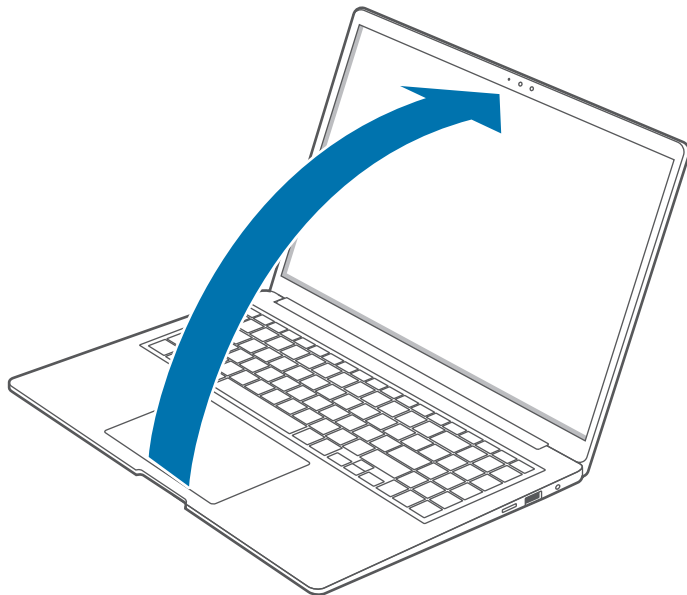
- If the case at the bottom of the device is replaced, the laser-carved model name, serial number, and various logos will not be displayed anymore. For more information, contact a Samsung Service Center.
- Remove all of the protective papers from the rubber feet at the bottom of the Chromebook before use.

Turning the Chromebook on and off

 Fully charge the battery using the supplied adapter before using the Chromebook for the first time.

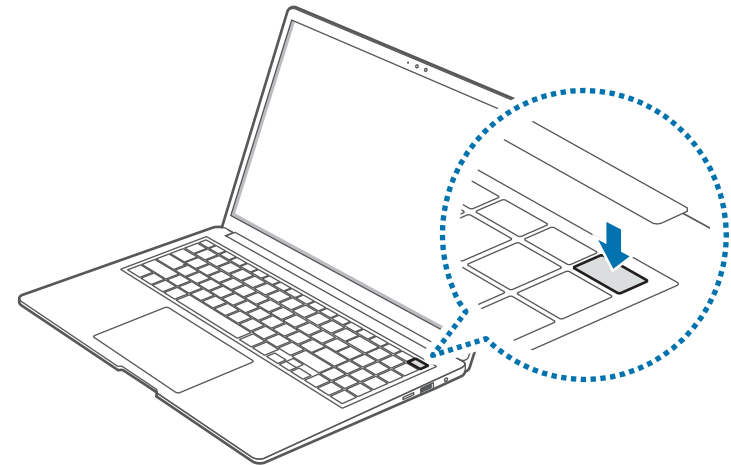
Turning the Chromebook on

- 1 Before turning on the Chromebook, check that the battery is charged and charge it if necessary.
- 2 Open the display panel.



- 3 The Chromebook turns on automatically when the display panel is opened.

If the Chromebook does not turn on automatically, press the Power button.



Turning the Chromebook off

Using screen buttons

1 Select the status area on the shelf.

2 Select  → **Shut down**.



Save all data before turning off the Chromebook.


Using the Power button

Press and hold the Power button for about 2 seconds and select **Shut down** to shut down the device.

To shut down the device when the system has frozen unexpectedly, press and hold the Power button for at least 8 seconds.

Controlling the power of the device

You can adjust the settings for the selected power options.

Select the status area on the shelf, select  to open the Settings window, and then select **System preferences** → **Power** to select the power options.



If the screen is locked in power saving mode

Tap the touchpad or press any key to turn the screen on and enter the password to unlock the screen.

Basics

Keyboard



Hot keys and function keys are discussed in the following sections.

















- The keyboard image may differ from the actual keyboard.
- The keyboard may differ depending on your country. The following mainly describes the hot keys and function keys.

Hot key functions

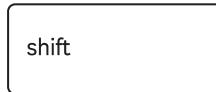
Here is an overview of the hot keys on the top row of the keyboard.

Keys	Description
	<ul style="list-style-type: none">• Go to the previous page in your browser history.
	<ul style="list-style-type: none">• Reload your current page.

Keys	Description
	<ul style="list-style-type: none">• Hide the tabs and switch to full-screen mode.
	<ul style="list-style-type: none">• Enter overview mode, which shows all windows.
	<ul style="list-style-type: none">• Take a screenshot or record the screen.
	<ul style="list-style-type: none">• Decrease screen brightness.
	<ul style="list-style-type: none">• Increase screen brightness.
	<ul style="list-style-type: none">• Decrease the keyboard backlight's brightness.
	<ul style="list-style-type: none">• Increase the keyboard backlight's brightness.
	<ul style="list-style-type: none">• Turn on the dictation feature.
	<ul style="list-style-type: none">• Check the accessibility features.
	<ul style="list-style-type: none">• Pause and resume playback.
	<ul style="list-style-type: none">• Mutes the sound. In mute mode, press the  key to unmute the sound.
	<ul style="list-style-type: none">• Decrease the volume.
	<ul style="list-style-type: none">• Increase the volume.

Shift key

Hold the **shift** key down to enter upper case letters.




Search for keyboard shortcuts

Press the following keys at the same time to check the keyboard shortcuts supported in Chrome OS.



Launcher key

Press the Launcher key to launch the Launcher.

To change the Launcher key to another key, select the status area on the shelf, select  → **Device** → **Keyboard and inputs** → **Customize keyboard keys**, and select the function you want.



Touchpad

Use the touchpad to move the cursor or select an item.

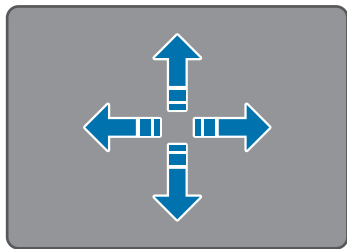


- Use the touchpad only with fingers. The touchpad will not recognize actions of other objects.
- Images and the touchpad layout may differ depending on the model.

Basic touchpad functions

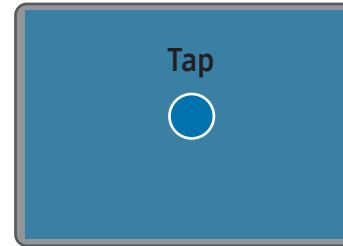
Moving

To move the cursor, move a finger on the touchpad.

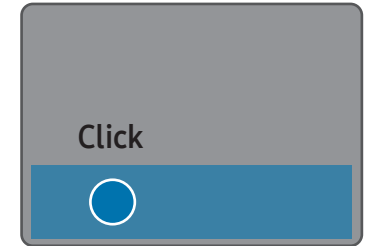


Clicking

Tap the touchpad or press the touchpad button.

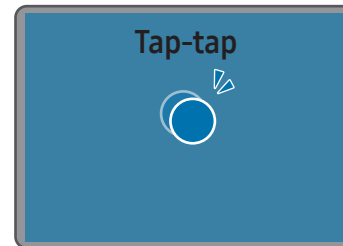


or



Double-clicking

Double tap the touchpad or press the touchpad button twice.

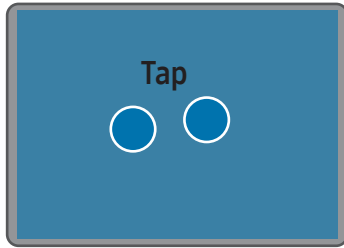


or



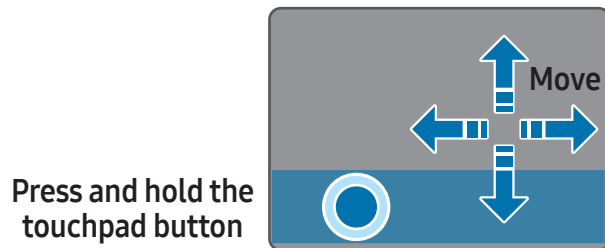
Right-clicking

Press the touchpad with two fingers simultaneously.



Dragging

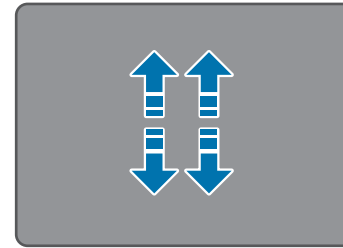
To move an icon or an app to a desired location, press and hold it and then drag it to the target position with the touchpad button pressed.



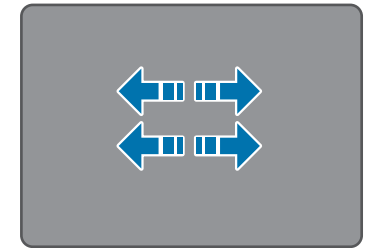
Gesture functions

Swiping

To scroll up, down, left or right to a desired location, swipe with two fingers on the touchpad.

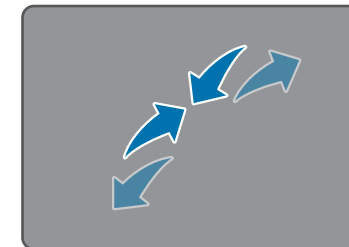


or




Pinching

To zoom in, spread two fingers apart on the touchpad. Pinch to zoom out.



Adjusting the touchpad settings

If the touchpad is too sensitive, adjust its reaction speed.

- 1 Select the status area on the shelf.
- 2 Select  to open the Settings window.
- 3 Select **Device** → **Touchpad** and adjust the **Touchpad speed** adjustment bar.

Wireless LAN

Connect the Chromebook to a wireless network to use the internet.




The pictures in this guide may differ from the actual product depending on the wireless LAN device model.

About Access Point (AP)

An Access Point (AP) is a network device that bridges wired and wireless LANs and corresponds to a wireless hub in a wired network. Multiple devices can be connected to an AP.

Connecting to a Wi-Fi network

- 1 Select the status area on the shelf and select  on the Wi-Fi option.



- 2 Select a network from the list of detected wireless networks.



- 3 Enter a password, if necessary, and select **Connect**.

Once the Chromebook has been connected to a wireless network, it will attempt to connect to it automatically when it is available. If you require a network password, contact the system administrator.



- If the Wi-Fi network is successfully connected, the network icon () will be displayed on the shelf.
- If the Wi-Fi network is not properly connected, the network icon () will be displayed on the shelf.
- The white part of the network icon on the shelf represents the signal strength of the Wi-Fi network.

Memory card slot

Use a memory card to transfer data to other devices.

Memory cards are sold separately.

This Chromebook supports the following types of memory cards.

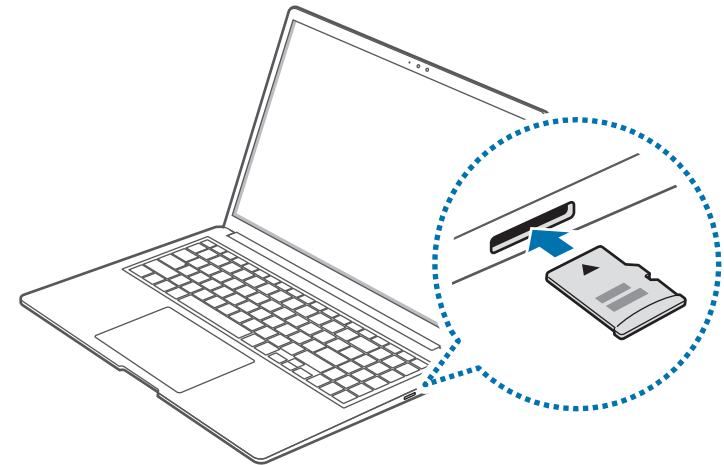
Abbreviation	Description
micro SD	<ul style="list-style-type: none">• micro Secure Digital
micro SDHC	<ul style="list-style-type: none">• micro Secure Digital High Capacity
micro SDXC	<ul style="list-style-type: none">• micro Secure Digital eXtended Capacity



- Some memory cards may not be fully compatible with the Chromebook. Using an incompatible card may damage the Chromebook, the memory card, or the data stored in it.
- Use caution to insert the memory card in the indicated direction.
- Store the card separately to prevent losing the card when moving the Chromebook.
- Memory card speeds vary.

Inserting a memory card

If a memory card adapter or an unnecessary card is inserted in the memory card slot, remove it. Then insert a memory card into the slot in the indicated direction.



Removing a memory card

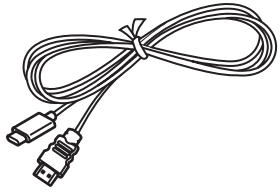
When you push the card, it clicks and disengages from the memory card slot. Grasp the end of the card and pull it out of the slot.



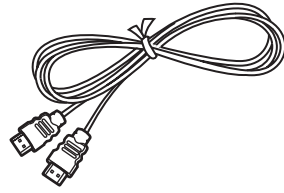
- Available data formats depend on the current version of the Chrome OS.
- Data on the card can be saved in the **Downloads** folder under **My files**.
- The maximum file size will vary depending on Chrome OS.

External display

Connecting the Chromebook to an external display device can be useful for presentations or when watching a movie. The cables and adapters required to connect an external display are sold separately. The Chromebook supports HDMI cables and USB Type-C display cables.



USB Type-C display cable



HDMI cable



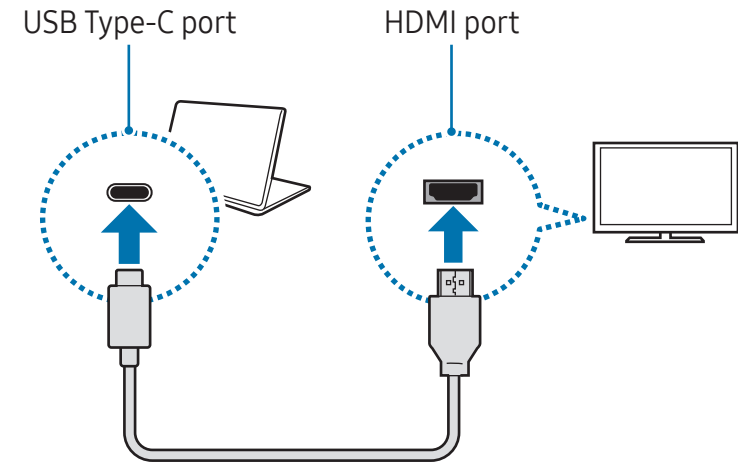
Check the available ports on the display device to ensure that it is compatible with the Chromebook.

Connecting to a display

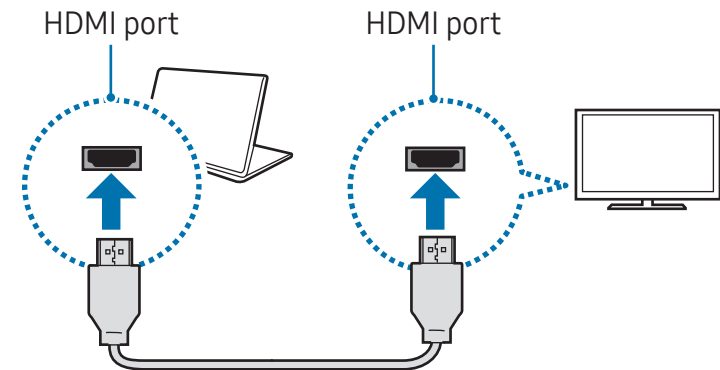
- 1 Connect the cable to the HDMI port or the USB Type-C port of the Chromebook.

- 2 Connect the other end of the cable to the external display.

<When using a USB Type-C display cable>



<When using an HDMI cable>




3 Connect the power cord to the external display.

4 Turn on the display and change its display mode to one that supports an external input.

The Chromebook screen will be extended to the external display.



You can change to a mirroring mode to show the same screen on both the Chromebook and the external display.





Select the status area on the shelf, select  → **Device** → **Display**, and then select the **Mirror Built-in display** switch to turn it on.

Settings

Display brightness

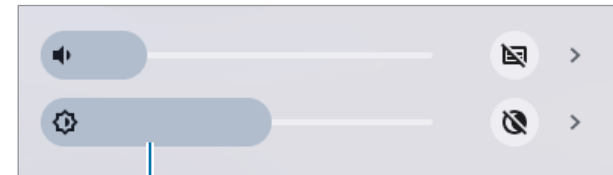
Adjust the display brightness to reduce eye strain and save power.

Controlling brightness using the keyboard

- Adjust the display brightness by pressing the  key to decrease brightness or the  key to increase brightness.
- Whenever you press the  or  key, the display brightness will be adjusted by one level.

Controlling brightness using the shelf

- 1 Select the status area on the shelf.
- 2 Drag the adjustment bar to the desired brightness.



Brightness adjustment bar



Instructions for Cleaning the display







Clean the display panel with a soft cloth lightly moistened with Chromebook cleansing detergent moving in one direction.

Cleaning the display panel with excessive force can damage the display.

Volume

Adjust the system volume or sound volume when playing music or video.

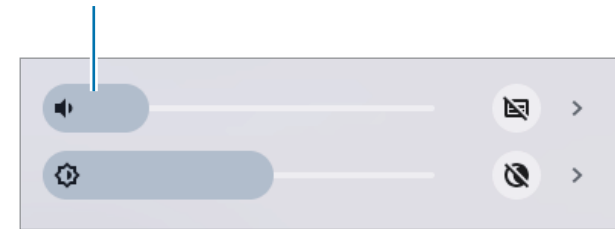
Controlling volume using the keyboard

- Adjust the volume by pressing the  key to turn down the volume or the  key to turn up the volume.
- Whenever you press the  or  key, the volume will be adjusted by one level.
- Mute the sound by pressing the  key. In mute mode, press the  key to unmute the sound.

Controlling volume using the shelf

- 1 Select the status area on the shelf.
- 2 Drag the adjustment bar to the desired volume.

Volume adjustment bar



Battery

Fully charge the battery using the supplied adapter before using the Chromebook for the first time, or when the Chromebook is completely discharged.



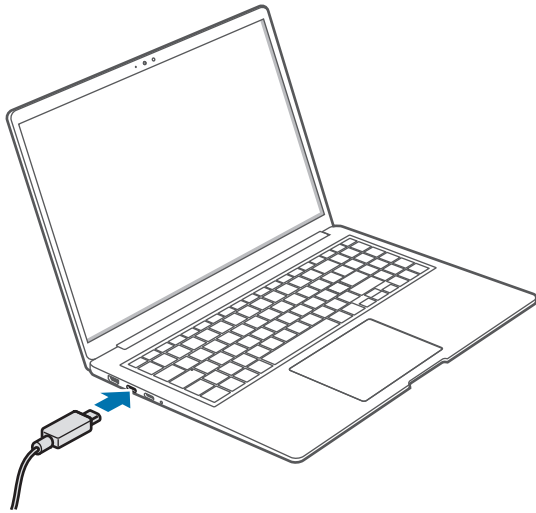
- Use only Samsung-approved adapters, batteries, and cables. Unapproved adapters or cables can cause the battery to explode or damage the Chromebook.
- Incorrectly connecting the adapter may cause serious damage to the Chromebook.
- This Chromebook is equipped with an internal battery. The battery is not user-serviceable or user-replaceable.
- To safely remove or replace the battery, take the device to a Samsung Service Center. You will be charged for this service.
- You can use the Chromebook while it is charging, but the battery charging time may increase. If the battery temperature rises too much, the charging may stop as a safety measure.



- To restore the battery power after cutting it, connect the adapter.
- When you connect the adapter to a multiport adapter to charge the Chromebook, the charging speed message may appear, but the Chromebook will be charged normally.
- If many devices are connected to the multiport adapter, the Chromebook may not be charged or the charging time may increase. In this case, connect the adapter directly to the Chromebook.
- When the adapter is directly connected to the Chromebook, the charging speed message will not appear.

Charging the battery

- 1 Connect the adapter to the USB Type-C port of the Chromebook.

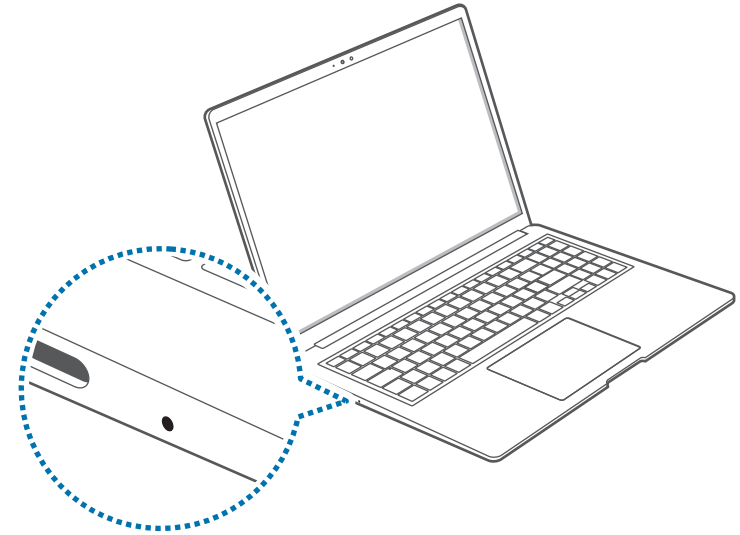


- 2 Plug the adapter into an electric socket.



If the battery is fully discharged, the Chromebook will not turn on immediately with the adapter. A minimum level of battery power will be charged slowly for safety while the Power LED blinks red. You can turn on the Chromebook after the Power LED stops blinking.

- 3 When the battery is fully charged, the power LED turns green. Disconnect the adapter from the Chromebook.



Power LED	Status
	• Blinks red: Pre-charging
	• Red: Charging
	• Green: Fully charged
	• Blue: Turned on

4 Unplug the adapter from the electric socket.



Do not allow the adapter to make contact with your skin for a long time. A low-temperature burn may result.

Battery status

Check the current remaining battery power on the shelf.



Battery usage time

Batteries are replaceable items and over time the battery's capacity to hold a charge and its power level is reduced. If a battery can only hold its charge for half of the time that it could when new, it is recommended to purchase a new, replacement battery.

Usage notices

Precautions for using the device

- This user guide is specially designed to detail the Chromebook's functions and features.
- The user guide supplied with the Chromebook may vary depending on the model.
- Please read this guide when using the Chromebook to ensure safe and proper use.
- Optional accessories, some devices, and software referred to in this guide may not be provided or may not be subject to upgrades. Note that the Chromebook environment referred to in the user guide may not be the same as your environment.
- Available features and additional services may vary depending on the Chromebook or operating system.
- This user guide describes procedures for using the touchpad, mouse and touch screen. Instructions for using the touch screen are for models with the touch screen feature.

- Images and screenshots are those of the representative model of the series and may differ in appearance from the actual product.
- Content may differ from the final product and is subject to change without prior notice. For the latest version of the guide, refer to the Samsung website, www.samsung.com.

Instructional icons and expressions



Warning: situations that could cause injury to yourself or others



Caution: situations that could cause damage to the Chromebook or other equipment



Note: notes, usage tips, or additional information



The path you should follow to carry out an instruction. For example, "select **Settings** → **Device**" indicates that you should select **Settings** and then **Device**.

Select Click the mouse or tap the touchpad or touch screen.

To service your Chromebook

For inquiries about the Chrome operating system or apps, visit www.google.com/support/chromeos.

If you have a problem while using the Chromebook hardware, please contact our Samsung Service Center below or visit www.samsung.com/sec/support/guarantee.do.

If you replace or upgrade the hardware yourself, the Chrome operating system will not be automatically updated and the product will not work properly.

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Chromebook specifications or the contents of this guide may be changed without prior notice if the Chromebook's functions are upgraded.

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- HDMI, the HDMI logo, and the term High Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.
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Chrome OS Software License

The software included in this product contains copyrighted software that is licensed under the GPL/LGPL.

You may obtain the complete Corresponding Source code from website: <http://git.chromium.org/gitweb/>

This offer is valid to anyone in receipt of this information.

Energy Star (USA only)

As an ENERGY STAR® Partner, Samsung has determined that this Product meets the ENERGY STAR Guidelines for energy efficiency. The ENERGY STAR Program has reduced greenhouse gas emissions and saved energy through voluntary labeling. Samsung is a proud ENERGY STAR Partner and commits to meet the guidelines for this product to be ENERGY STAR certified. By selecting an ENERGY STAR certified product, you reduce greenhouse emissions, save energy, and can lower operating cost. For more information, see <http://www.energystar.gov/>.



- The Power Management setting of this product has been enabled by default and has various timing settings (of up to 300 minutes for energy saving. In case you don't want the power management setting enabled, select "Never").
- To change this in Settings, go to the System menu > Power & sleep menu > Screen/Sleep timeout option.

This product can be awakened from sleep mode by pressing the Power button.

Operating system and software support

If a problem occurs because of the reinstallation of other operating systems (OS) or a previous version of an OS pre-installed on this Chromebook, or a software that does not support the OS, the company will not provide technical support, a replacement or refund, and if our service engineer visits you because of this problem, a service charge will be applied.

Performance Restrictions

Online games and some games (3D, 2D) may not be supported and Full HD video and some high bit rate HD video playback may be slow and stutter on this Chromebook.

Product capacity representation

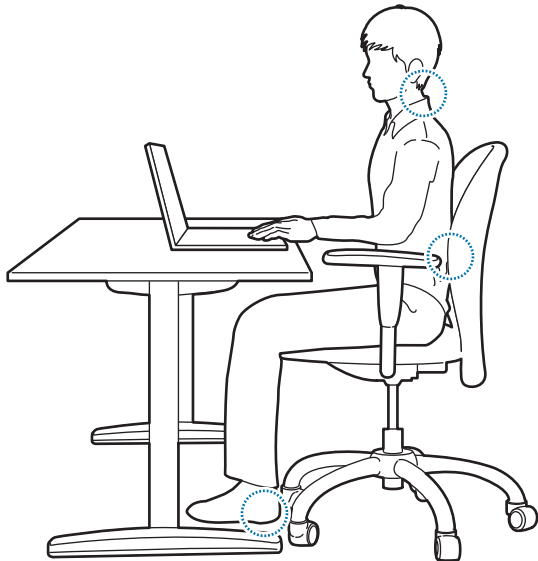
Memory Capacity Representation

The memory capacity reported in the Chrome OS is less than the actual capacity of memory. This is because BIOS or a video adapter uses a portion of memory or claims it for further use. For example, for 1 GB (= 1,024 MB) memory installed, OS (Windows, Chrome, etc.) may report the capacity as 1,022 MB or less.

Ergonomic tips

Maintaining proper posture during Chromebook use is very important to prevent physical injury. Improper or prolonged keyboard use may result in repetitive strain injury. Viewing the monitor screen for extended periods of time may result in eye strain. Therefore, please follow these guidelines carefully when setting up and using the Chromebook.

Back and neck

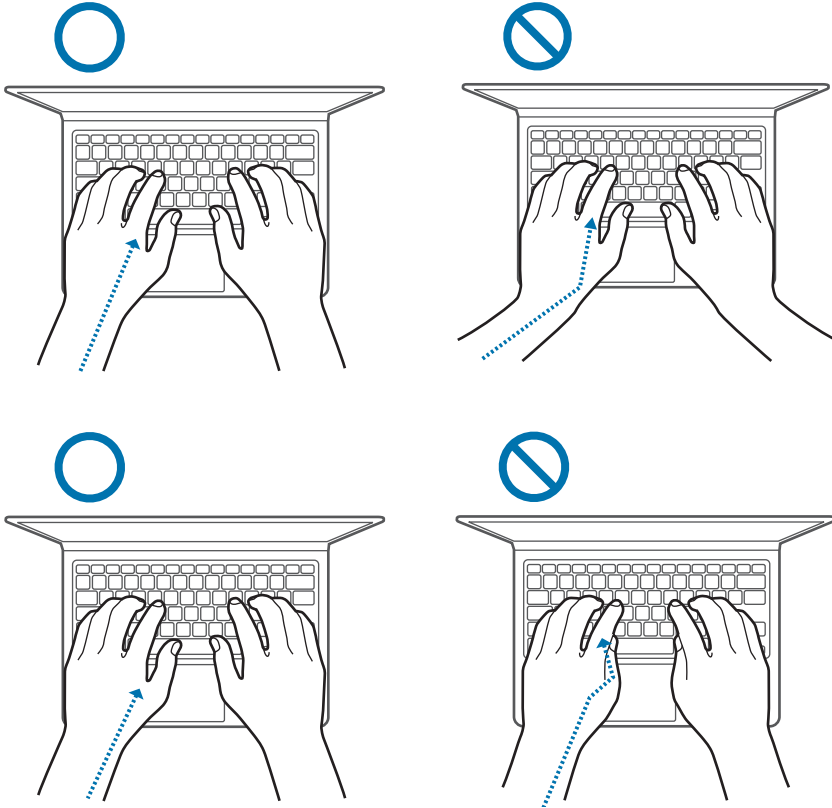


- Use an adjustable chair with firm, comfortable support.
- Adjust the height of your chair so that thighs are horizontal to the floor and feet are flat on the floor.
- The back of the chair should support the lower back. Adjust the backrest to fit your body properly.
- Sit back fully in your chair and straighten the back and neck. Avoid leaning forward or craning your neck toward the Chromebook screen.
- Avoid using the Chromebook while lying down or on your lap. If the Chromebook's temperature increases, there is a danger of burn injury.



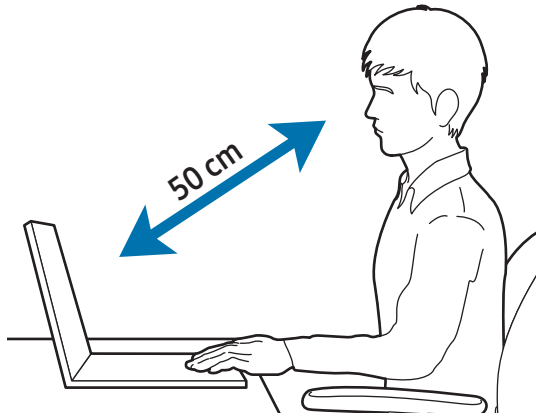
- The instructions in this guide have been prepared so that they can be applied to the range of needs of general users. If the user is not included in the range, the recommendations should be applied according to the user's needs.
- Images may differ from actual products.

Arms and hands



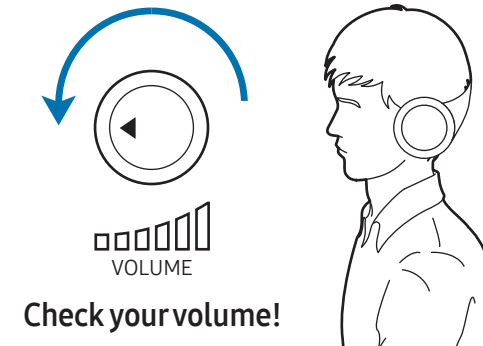
- When using the keyboard and touchpad, the shoulders should be relaxed. The upper arm and forearm should form an angle that is slightly greater than a right angle, with the wrist and hand in almost a straight line.
- Use a light touch when typing or using the touchpad and keep the hands and fingers relaxed. Avoid rolling the thumbs under your palms or supporting the wrists on the desk while typing.
- Use an external keyboard and mouse when using the Chromebook for long periods. When using an external keyboard and mouse, position the devices at the same height as the Chromebook and within comfortable reach.

Eye position and display illumination



- Position the screen at least 50 cm away from your eyes.
- Adjust the height of the screen so that its top edge is equal to or just below the level of your eyes.
- Avoid setting the screen's brightness settings excessively high.
- Keep the screen clean.
- If wearing glasses, clean them before using the Chromebook.
- When referring to printed content while typing, use a static paper holder to hold the paper at about the same height as the monitor.

Hearing and volume control



- Ensure that the volume is not too loud before using a headset or headphones. Excessive exposure to loud sounds can cause hearing damage.
- Always turn the volume down before plugging the headphones into an audio source and use only the minimum volume setting necessary to hear your conversation or music.
- Avoid using headphones for long periods of time.
- Default audio settings can be changed by software and driver updates without your knowledge. Always recheck equalizer and volume settings before listening to audio.
- To prevent possible hearing damage, do not listen at high volume levels for long periods.



Operating conditions

- Take at least a 10 minute break every hour.
- Avoid using the Chromebook in dark locations. Use the Chromebook with as much ambient light as you would when reading a book.
- Indirect illumination is recommended. Use a curtain to prevent reflections and glare on the screen.
- While operating a Chromebook and talking on a phone, use a headset. Using the Chromebook while holding a phone on your shoulder or with your neck may lead to muscle strain or injury.
- Keep frequently used items within reach.
- Only use the Chromebook within the temperature and humidity ranges specified in this guide.

Use caution when exposed to flashing lights.

- While using your Chromebook, leave some lights on in the room and do not hold the screen too close to your eyes.
- Seizures or blackouts can occur when you are exposed to flashing lights while watching videos or playing Flash-based games for extended periods. If you feel any discomfort, stop using the Chromebook immediately.

- If anyone related to you has experienced seizures or blackouts while using a similar product, consult a physician before using the Chromebook.
- If you feel discomfort, such as a muscle spasm, or disoriented, stop using the Chromebook immediately and consult a physician.
- To prevent eye strain, take frequent breaks while using the Chromebook.

Reduce the risk of repetitive motion injuries.

When you repetitively perform actions, such as pressing keys, drawing characters on a touch screen, or playing games, you may experience occasional discomfort in your hands, neck, shoulders, or other parts of your body. When using your Chromebook for extended periods, hold the Chromebook with a relaxed grip, press the keys lightly, and take frequent breaks. If you continue to have discomfort during or after such use, stop using the Chromebook and consult a physician.

Safety precautions

For your safety and security and to prevent damage, carefully read the following safety instructions. This 'Safety precautions' relate to Chromebook use. Some of the content may not be applicable to your Chromebook.



- Since this is commonly applied to Samsung Chromebooks, some pictures may differ from actual products.
- The product mentioned in this guide refers to all items supplied with the Chromebook including the battery, the adapter, and all other Samsung-provided accessories.



Warning

Failure to follow the instructions marked with this symbol may result in physical injury or fatality.

Power related

Handle the power cord with care.

- Do not touch with wet hands.
- Do not use a damaged power cord.
- Do not overload a multi-outlet or an extension cord beyond the specified voltage/current capacity.
- Correctly insert the plug into the outlet.
- Do not unplug the power cord by pulling on the cable.
- Unplug the wall-mount adapter (integrated plug and power adapter) from the wall outlet while holding the body and pulling it in the direction of the arrow.
Failure to do so may result in electric shock or fire.

Connect the power cord to the adapter firmly.

An improper connection may result in a fire.

Use the approved adapter or cable included in the product box.

If you use the unapproved adapter or cable, it cause the damage or malfunction of the Chromebook.

Use only properly earthed electric sockets or extension cords.

Unearthed electric sockets or extension cords may cause electric shock. Any connection to unearthed electric sockets or extension cords may produce an electric field from a current leak.

If water or other substances enter the product, disconnect the power cord and contact a Samsung Service Center. For Chromebooks that are supplied with an optional removable battery, disconnect the battery.

Failure to do so may result in electric shock or fire caused by a Chromebook malfunction.

Prevent dust from accumulating on the power cord or the electric socket. Regularly wipe the power cord and the electric socket with a dry cloth.

Failure to do so may result in electric shock or fire.

Do not bend or damage the power cord or the adapter with a heavy or sharp-edged object.

A damaged cable or cord may result in electric shock or fire.

Keep the battery, adapter, and power cord away from infants, children, and pets.

Failure to do so may result in electric shock or damage.

Battery usage related

Use manufacturer-approved batteries, adapters, accessories, and supplies.

- Using generic batteries or adapters may shorten the life of your product or cause the Chromebook to malfunction. They may also cause a fire or cause the battery to explode.
- Use only Samsung-approved battery and adapter specifically designed for your device. Incompatible battery and adapter can cause serious injuries or damage to your device.
- Samsung cannot be responsible for the user's safety when using accessories or supplies that are not approved by Samsung.

Take care to not allow metal objects such as a key or clip to touch the battery terminals (metal parts).

This may cause excessive current and result in fire, burns, or damage to the battery.

If the Chromebook or the Chromebook battery leaks, emits strange odors, or swells, immediately stop using the Chromebook and contact a Samsung Service Center.

Failure to do so may result in an explosion or fire.

Replace a run-down battery with a new, Samsung-approved battery.

Dispose of worn-out batteries properly.

- There is a danger of fire or explosion.
- The battery disposal method may differ depending on your country and region. Dispose of the used battery in an appropriate way.

When removing the real time clock (RTC) battery, keep it away from infants and children.

If a child swallows the battery, the child may suffocate. If this happens, immediately contact a doctor.

Do not throw or disassemble the battery and do not put it into water.

There is a danger of injury, fire or explosion.

Charge the battery according to the instructions in the guide.

Failure to do so may cause an explosion or fire.

Usage related

Do not use the Chromebook on heated floors or electric pads, or on beds, blankets, or cushions that block the ventilation of the Chromebook.

A blocked vent causes the Chromebook to overheat, resulting in an explosion, fire, burns, or Chromebook malfunction.

Do not use the Chromebook in hot or humid locations, such as a bathroom, sauna, or inside a car during summer.

Failure to do so may result in Chromebook malfunction or electric shock.

The Chromebook can be used in locations with an ambient temperature of 10 °C to 35 °C and a relative humidity of 20% to 80%RH.

To avoid suffocation, keep the plastic bag away from infants and children.

Putting a plastic bag over the head may result in suffocation.

Never heat the Chromebook (or the battery) or put the Chromebook (or the battery) into a fire or microwave.

Failure to do so may result in an explosion or fire.

Before cleaning the Chromebook, disconnect all the cables that are connected to the Chromebook. For Chromebooks that are supplied with an optional removable battery, disconnect the battery.

Failure to do so may result in electric shock or fire.

Keep the Chromebook away from water or liquid.

Water or liquid entering the Chromebook may short-circuit the Chromebook, resulting in electric shock or fire.

If the Chromebook is dropped or broken, disconnect the power cord and contact a Samsung Service Center. For Chromebooks that are supplied with an optional removable battery, disconnect the battery.

Using a broken Chromebook may result in electric shock or fire.

Do not touch the Chromebook's surface or the vents for extended periods while the Chromebook is on.

Contact with the vent or the surface for extended periods may result in low-temperature burns, such as redness on the skin.

Do not carry your device in your back pockets.

- The device may be damaged, explode, or result in a fire if too much pressure is applied to it.
- You may be injured if you are bumped or fall.

Caution

Failure to follow instructions marked with this symbol may result in minor physical injury or damage to the Chromebook.

Installation related

Do not block the ports (holes), vents, etc., of the product and do not insert objects.

Damage to a component within the Chromebook may cause electric shock or fire.

When using the Chromebook on its side, ensure the vents are clear and facing upwards.

Failure to do so, may cause the internal temperature of the Chromebook to rise and the Chromebook to malfunction or halt.

Keep the Chromebook's vents at least 15 cm away from walls and other objects.

Failure to do so may result in physical injury.

Do not place or use the Chromebook on slanted or vibrating surfaces.

Failure to do so may result in Chromebook malfunction or damage.

Do not place heavy objects on the product.

This may cause a problem with the Chromebook. In addition, the object may fall and cause injury or damage the Chromebook.

Properly shut down, disconnect and secure the Chromebook cables before moving it.

Failure to do so may damage the Chromebook or cause someone to trip over a loose cable.

Usage related

Do not use the pen for unintended purposes, such as poking the body, like eyes or ears, and do not put it in your mouth.

Doing so may result in physical injury.

Do not place a candle, lit cigar, etc., over or on the product.

There is a danger of fire.

Make sure to have the product tested by a safety service engineer after repairing the product.

Using a repaired product without testing it for safety may cause an electric shock or fire.

In case of lightning, immediately turn the system off, then disconnect the power cord from the wall outlet and phone line from modem.

There is a danger of electric shock or fire.

Connect only permitted devices to the connectors or ports of the Chromebook.

Failure to do so may result in an electric shock or fire.

Close the display panel only after checking if the Chromebook is turned off.

The temperature may rise and it may cause deformation of the product.

Do not drop or hit the Chromebook against anything.

Failure to do so may result in physical injury or Chromebook malfunction.

When handling Chromebook parts, follow the instructions on the manual supplied with the parts.

Failure to do so may result in damage to the product.

If the product emits smoke or there is a burning smell, disconnect the adapter from the wall outlet and contact a Samsung Service Center immediately. For Chromebooks that are supplied with an optional removable battery, disconnect the battery.

There is a danger of fire.

Do not store your device near or in heaters, microwaves, hot cooking equipment, or high pressure containers.

- The battery may leak.
- Your device may overheat and cause a fire.

Do not insert your fingers into the ports (holes), card slot, or vents.

There is a danger of injury or electric shock.

Use recommended Chromebook cleansing solutions when cleaning the product and only use the Chromebook when it is completely dry.

Failure to do so may result in electric shock or fire.

Do not use the product if it is cracked or broken.

Broken glass or acrylic could cause injury to your hands and face. Take the device to a Samsung Service Center to have it repaired.

When using wireless communication (LAN, Bluetooth, etc.) always follow applicable instructions. For example, airlines and hospitals have strict requirements.

Avoid exposing a drive to magnetic fields. Security devices with magnetic fields include airport walk-through devices and security wands. The airport security devices that check carry-on luggage use X-rays instead of magnetism and will not damage a drive.

Keep the Chromebook away from magnetic material.

- Magnetic materials may cause Chromebook malfunction or cause the battery to discharge.
- To avoid damaging the Chromebook or magnetic stripe cards, such as credit cards, keep magnetic stripe cards away from the Chromebook.

Do not use your Chromebook in a hospital or on an aircraft that can be interfered with by radio frequency.

- Avoid using your Chromebook within a 15 cm range of a pacemaker, if possible, as your Chromebook can interfere with the pacemaker.
- To minimize possible interference with a pacemaker, use your Chromebook only on the side of your body that is opposite the pacemaker.
- If you use medical equipment, contact the equipment manufacturer before using your Chromebook to determine whether or not the equipment will be affected by radio frequencies emitted by the Chromebook.
- When in a hospital, turn off your Chromebook and follow all hospital regulations. Radio frequencies emitted from the Chromebook may affect medical equipment.

Upgrade Related

Do not attempt to upgrade the Chromebook, unless you are qualified. Otherwise, contact a Samsung Service Center or an authorized technician.

When you upgrade permitted devices, according to the guide, follow the specified instructions in the guide to upgrade them. Do not disassemble any other parts by yourself.

Failure to do so may result in Chromebook malfunction, electric shock, or fire.

Take care when touching the product or parts.

The Chromebook may be damaged or you may be injured.

Do not disassemble the power supply unit in any circumstances.

Failure to do so may result in electric shock, fire, or an explosion.

Shut down the Chromebook and disconnect all cables before disassembling the Chromebook. For Chromebooks that are supplied with an optional removable battery, disconnect the battery.

Failure to do so may cause electric shock.

Make sure to close the Chromebook cover before connecting the power after a reassembly.

There is a danger of electric shock if your body touches an internal part.

Never disassemble or repair the product by yourself.

There is danger of an accident. Use an authorized Samsung Service Center.

To connect a device that is not manufactured or authorized by Samsung, enquire at a Samsung Service Center before connecting the device.

There is a danger of damaging the product.

Storage and movement related

Do not store the Chromebook in an enclosed space, such as a Chromebook bag, while it is running.

Failure to do so may result in fire. Completely shut down the Chromebook before putting the Chromebook into an enclosed space.

When carrying the Chromebook with other items, such as the adapter, mouse, books etc., take care not to press anything against the Chromebook.

If a heavy object is pressed against the Chromebook, a white spot or stain may appear on the display.

Do not operate or look at the Chromebook while driving a vehicle.

There is a danger of a traffic accident. Please concentrate on driving.

For long periods of inactivity or storage, discharge the battery and separate it from the Chromebook (for external or removable battery types).

Cautions on preventing data loss (storage device (such as HDD, SSD, eMMC) management)

Take care not to damage the data on a storage device (such as HDD, SSD, eMMC).

- Subjecting the device to physical impacts may result in data loss.
- Data may be lost when the Chromebook is turned off or reset by a power failure while the storage device (such as HDD, SSD, eMMC) is operating.
- Data may be lost and irrecoverable because of a Chromebook virus.
- Data may be lost if the power is turned off while running an app.
- Samsung is not liable for any loss of data on a storage device (such as HDD, SSD, eMMC).

To prevent data loss caused by damage to a storage device (such as HDD, SSD, eMMC), please back up the data frequently.

Clean the display screen with a soft cloth dampened with Chromebook cleansing detergent.

Do not use excessive force. Doing so may damage the display screen.

Appendix

Product specifications

The system specifications may differ depending on the derived model. For detailed system specifications, refer to the product catalog.

Item	Specification
Operating environment	<ul style="list-style-type: none">• Temperature: -5–40 °C for storage, 10–35 °C when operating• Humidity: 5–90% for storage, 20–80% when operating
AC/DC rating	<ul style="list-style-type: none">• Input: 100–240 VAC, 50–60 Hz• Output: (PDO) 5 V, 3 A / 9 V, 3 A / 15 V, 3 A / 20 V, 2.25 A (PPS) 3.3–20 V, 2.25 A
PC rating	<ul style="list-style-type: none">• 20 VDC, 2.25 A (45 W)



- Optional components may not be provided or different components may be provided depending on the model.
- The system specifications are subject to change without notice.
- For some models, it is not possible to add or replace storage or memory because of the Chromebook's design.

Important safety information

Safety instructions

The system is designed and tested to meet the latest standards for safety of information technology equipment. However, to ensure safe use of this product, it is important that the safety instructions marked on the product and in the documentation are followed.



Always follow these instructions to help guard against personal injury and damage to the system.

Setting up the system

- Read and follow all instructions marked on the product and in the documentation before operating the system. Retain all safety and operating instructions for future use.
- Do not use this product near water or a heat source such as a radiator.
- Set up the system on a stable work surface.
- The product should be operated only with the type of power source indicated on the rating label.
- Ensure that the electrical outlet to power the equipment is easily accessible in case of fire or short circuit.
- If the Chromebook has a voltage selector switch, make sure that the switch is in the proper position for your area.
- Openings in the Chromebook case are provided for ventilation. Do not block or cover these openings. Make sure you provide adequate space, at least 6 inches (15 cm), around the system for ventilation when setting up your work area. Never insert objects of any kind into the Chromebook ventilation openings.

- Ensure that the fan vents at the bottom of the casing are clear at all times. Do not place the Chromebook on a soft surface, doing so will block the bottom vents.
- When using an extension cord with this system, make sure that the total power rating on the products plugged into the extension cord does not exceed the extension cord power rating.
- For Chromebooks with glossy display bezels the user should consider the placement of the Chromebook as the bezel may cause reflections from surrounding light and bright surfaces.

Care during use

- Do not walk on the power cord or allow anything to rest on it.
- Do not spill anything on the Chromebook or its components. The best way to avoid spills is to not eat or drink near the Chromebook or its components.
- Some products have a replaceable CMOS battery on the system board. There is a danger of explosion if the CMOS battery is replaced incorrectly. Replace the battery with the same or equivalent type recommended by the manufacturer.

Dispose of batteries according to the manufacturers instructions. If the CMOS battery requires replacement ensure that a qualified technician performs the task.


- When the Chromebook is turned off, a small amount of electrical current still flows through the Chromebook. To avoid electrical shock, always unplug all cables, remove the battery and modem cables from the wall outlets before cleaning the system.
- Unplug the system from the wall outlet and contact a Samsung Service Center if:
 - The power cord or plug is damaged.
 - Liquid has been spilled into the Chromebook.
 - The Chromebook does not operate properly when the operating instructions are followed.
 - The Chromebook was dropped or the casing is damaged.
 - The Chromebook performance changes.


Operating instructions

- 1 When installing and operating devices please refer to safety requirements in the user guide.
- 2 Devices can be used only with the equipment specified in the technical specifications of the devices.
- 3 If any smell of burning or smoke is detected from the Chromebook the unit should be switched off and the battery removed. The unit should be checked by a qualified technician before reuse.
- 4 Service and repair of devices should be carried out by authorized service centers.
- 5 Do not allow the portable Chromebook to operate with the base resting directly on exposed skin for extended periods of time. The surface temperature of the base will rise during normal operation (particularly when AC Power is present). Allowing sustained contact with exposed skin can cause discomfort or eventually a burn.


Replacement parts and accessories

Use only replacement parts and accessories recommended by manufacturer.


 To reduce the risk of fire, use only No. 26 AWG or larger telecommunications line cord.

 Do not use this product in areas classified as hazardous. Such areas include patient care areas of medical and dental facilities, oxygen rich environments, or industrial areas.

Battery disposal

 Do not put rechargeable batteries or products powered by non-removable rechargeable batteries in the garbage.

Contact the Samsung Service Center for information on how to dispose of batteries that you cannot use or recharge any longer. Follow all local regulations when disposing of old batteries.

 THERE IS RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.
DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

Laser safety

All systems equipped with CD or DVD drives comply with the appropriate safety standards, including IEC 60825-1. The laser devices in these components are classified as "Class 1 Laser Products" under a US Department of Health and Human Services (DHHS) Radiation Performance Standard. Should the unit ever need servicing, contact an authorized service location.



- **Laser Safety Note:** Use of controls or adjustments or performance of procedures other than those specified in this guide may result in hazardous radiation exposure. To prevent exposure to laser beams, do not try to open the enclosure of a CD or DVD drive.
- Class 1M laser radiation when operating part is open. Do not view directly with optical instruments.
- Class 3B invisible laser radiation when open. Avoid exposure to the beam.

Connecting and disconnecting the adapter

The socket-outlet shall be installed near the equipment and shall be easily accessible.

Do not unplug the power cord by pulling the cable only.

Power cord requirements

The power cord set (all plugs, cable and adapter plugs) you received with your Chromebook meets the requirements for use in the country where you purchased your equipment.

Power cord sets for use in other countries must meet the requirements of the country where you use the Chromebook. For more information on power cord set requirements, contact your authorized dealer, reseller, or service provider.

India only

The power cord set must have a minimum current capacity and a nominal voltage rating, as required by country's power system.

General requirements

The requirements listed below are applicable to all countries:

- All power cord sets must be approved by an acceptable accredited agency responsible for evaluation in the country where the power cord set will be used.
- The power cord set must have a minimum current capacity of 7 A and a nominal voltage rating of 125 or 250 volts AC, as required by each country's power system (USA only).
- The appliance coupler must meet the mechanical configuration of an EN 60 320/IEC 320 Standard Sheet C7 (or C5) connector, for mating with appliance inlet on the Chromebook.

Regulatory compliance statements

Wireless guidance

(If fitted with 2.4 G band, 5 G band or 6 G band)

Low power, Radio LAN type devices (radio frequency (RF) wireless communication devices), operating in the 2.4 GHz/5 GHz/6 GHz Band, may be present (embedded) in the Chromebook system. The following section is a general overview of considerations while operating a wireless device.

Additional limitations, cautions, and concerns for specific countries are listed in the specific country sections (or country group sections). The wireless devices in the system are only qualified for use in the countries identified by the Radio Approval Marks on the system rating label. If the country you will be using the wireless device in, is not listed, please contact your local Radio Approval agency for requirements. Wireless devices are closely regulated and use may not be allowed.

The RF field strength of the wireless device or devices that may be embedded in the Chromebook are well below all international RF exposure limits as known at this time. Because the wireless devices (which may be embedded into the Chromebook) emit less energy than is allowed in radio frequency safety standards and recommendations, manufacturer believes these devices are safe for use. Regardless of the power levels, care should be taken to minimize human contact during normal operation.

Some circumstances require restrictions on wireless devices. Examples of common restrictions are listed on the next page:



- Radio frequency wireless communication can interfere with equipment on commercial aircraft. Current aviation regulations require wireless devices to be turned off while traveling in an airplane. 802.11 (also known as wireless Ethernet or Wi-Fi) and Bluetooth communication devices are examples of devices that provide wireless communication.
- In environments where the risk of interference to other devices or services is harmful or perceived as harmful, the option to use a wireless device may be restricted or eliminated. Airports, hospitals, and oxygen or flammable gas laden atmospheres are limited examples where use of wireless devices may be restricted or eliminated. When in environments where you are uncertain of the sanction to use wireless devices, ask the applicable authority for authorization prior to use or turning on the wireless device.
- Every country has different restrictions on the use of wireless devices. Since your system is equipped with a wireless device, when traveling between countries with your system, check with the local Radio Approval authorities prior to any move or trip for any restrictions on the use of a wireless device in the destination country.
- If the system came equipped with an internal embedded wireless device, do not operate the wireless device unless all covers and shields are in place and the system is fully assembled.
- Wireless devices are not user serviceable. Do not modify them in any way. Modification to a wireless device will void the authorization to use it. Please contact the manufacturer for service.
- Only use drivers approved for country in which the device will be used. Refer to the manufacturer System Restoration Kit, or contact the manufacturer's technical support for additional information.

Explosive Device Proximity Warning

Do not operate a portable transmitter (such as a wireless network device) near unshielded blasting caps or in an explosive environment unless the device has been modified to be qualified for such use.

United States of America and Canada

USA and Canada Safety Requirements and Notices

Do not touch or move antenna while the unit is transmitting or receiving.

Do not hold any component containing the radio such that the antenna is very close to touching any exposed parts of the body, especially the face or eyes, while transmitting.

Do not operate the radio or attempt to transmit data unless the antenna is connected; if not, the radio may be damaged.

Use in specific environments:

The use of wireless devices in hazardous locations is limited by the constraints posed by the safety directors of such environments.

The use of wireless devices on airplanes is governed by the Federal Aviation Administration (FAA) in the USA and Transport Canada Civil Aviation (TCCA) in Canada.

The use of wireless devices in hospitals is restricted to the limits set forth by each hospital.



Explosive Device Proximity Warning

Do not operate a portable transmitter (such as a wireless network device) near unshielded blasting caps or in an explosive environment unless the device has been modified to be qualified for such use.




Use On Aircraft Caution

FCC, FAA, and TCCA regulations prohibit airborne operation of radio-frequency wireless devices because their signals could interfere with critical aircraft instruments.

Other wireless devices

Safety notices for other devices in the wireless network:

Refer to the documentation supplied with wireless Ethernet adapters or other devices in the wireless network.

 The Part 15 radio device operates on a non-interference basis with other devices operating at this frequency. Any changes or modification to said product not expressly approved by Intel could void the user's authority to operate this device.

FCC Part 15 Information and Notices

Responsible Party – U.S. Contact Information


Samsung Electronics America, Inc.

85 Challenger Road.

Ridgefield Park, NJ 07660

Phone: 1-800-SAMSUNG (726-7864)

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) 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 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. If not installed and used in accordance with the instructions, it may cause harmful interference. If this equipment does cause harmful interference to radio or TV 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.

If necessary, the user should consult the dealer or an experienced radio/TV technician for additional suggestions. The user may find the following booklet helpful: "Something About Interference."

This is available at FCC local regional offices. Our company is not responsible for any radio or TV interference caused by unauthorized modifications of this equipment or the substitution or attachment of connecting cables and equipment other than those specified by our company. The correction will be the responsibility of the user. Use only shielded data cables with this system.

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

Health and safety information

Exposure to Radio Frequency (RF) Signals Certification Information

This product can contain an embedded radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. government. These FCC exposure limits are derived from the recommendations of two expert organizations, the National Council on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE). In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

Before a new model is available for sale to the public, it must be certified to the FCC that it does not exceed the exposure limit established by the FCC. Evaluation per each model is performed in positions and locations (such as at the bottom on the body) as required by the FCC.

For body worn operation, this model meets the FCC RF exposure guidelines when used with Samsung accessory designated for this product. Non-compliance with the above restrictions may result in violation of FCC RF exposure guidelines.

RF exposure or SAR information can be viewed on-line at www.fcc.gov/oet/ea/fccid/. This site uses this product FCC ID number on the outside of the product. Sometimes it may be necessary to remove the battery pack to find number. Once you have the FCC ID number for a particular product, follow the instructions on the website and it should provide RF exposure information or values for typical or maximum SAR for particular product.

For corresponding model only

The Specific Absorption Rate (SAR) is a measure of the rate of absorption of RF energy by the human body expressed in units of watts per kilogram (W/kg). The FCC wireless devices to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg).

SAR level of this device while operating can be well below the maximum value. This is because the device is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Manufacturer information

Samsung Electronics Co., Ltd.

129, Samsung-Ro, Yeongtong-Gu, Suwon-City, Gyeonggi-Do,
16677, Korea

Samsung Electronics Vietnam Co., Ltd.

Khu Cong nghiep Yen Phong 1, Yen Trung, Yen Phong, Bac Ninh,
Viet Nam

Tel: +84-222-369-6875

For the web or the phone number of the Samsung Service
Center, refer to the Warranty or contact the retailer where you
purchased your product.

RTC caution

CAUTION: Danger of explosion if battery is incorrectly
replaced. Replace only with the same or equivalent type
recommended by the manufacturer. Discard used batteries
according to the Manufacturer's instruction.

Canada

Innovation, Science and Economic Development Statement:

This device contains licence-exempt transmitter(s)/ receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

Industry Canada Caution

The device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.

Devices to operate in the 5925-7125 MHz Band shall not be used for control of or communications with unmanned aircraft systems.

Innovation, Sciences et Développement économique Canada

L'émetteur/récepteur exempt de licence contenu dans 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.
2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Avertissement:

Les dispositifs fonctionnant dans la bande 5 150-5 250 MHz sont réservés uniquement pour une utilisation à l'intérieur a n de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux.

Les appareils fonctionnant dans la bande 5 925-7 125 MHz ne doivent pas être utilisés pour le contrôle ou les communications avec des systèmes d'aéronefs sans pilote.

WEEE symbol information



Correct disposal of this product (Waste Electrical & Electronic Equipment)



(Applicable in countries with separate collection systems)

This marking on the product, accessories or literature indicates that the product and its electronic accessories (for example, charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life.

To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

For information on Samsung's environmental commitments and product regulatory obligations, such as REACH, visit our sustainability page available at www.samsung.com.

India only

For more information on safe disposal and recycling visit our website www.samsung.com/in or contact our Helpline numbers - 18002668282, 180030008282.

This product is RoHS compliant.



Correct disposal of batteries in this product

(Applicable in countries with separate collection systems)

This marking on the battery, manual or packaging indicates that the batteries in this product should not be disposed of with other household waste at the end of their working life. Where marked, the chemical symbols Hg, Cd or Pb indicate that the battery contains mercury, cadmium or lead above the reference levels in EC Directive 2006/66. If batteries are not properly disposed of, these substances can cause harm to human health or the environment.

To protect natural resources and to promote material re-use, please separate batteries from other types of waste and recycle them through your local, free battery return system.

PO BOX 12987, DUBLIN. IE

Removing the battery (Europe only)

- To remove the battery, contact an authorised service centre. To obtain battery removal instructions, please visit www.samsung.com/global/ecodesign_energy.
- For your safety, you **must not attempt to remove** the battery. If the battery is not properly removed, it may lead to damage to the battery and device, cause personal injury, and result in the device being unsafe.
- Samsung does not accept liability for any damage or loss (whether in contract or tort, including negligence) which may arise from failure to precisely follow these warnings and instructions, other than death or personal injury caused by Samsung's negligence.

USA only

This Perchlorate warning applies only to primary CR (Manganese Dioxide) Lithium coin cells in the product sold or distributed ONLY in California USA.

"Perchlorate Material- special handling may apply, refer to www.dtsc.ca.gov/hazardouswaste/perchlorate."

Samsung package Take-Back program (USA only)

In partnering with select recyclers, Samsung offers packaging take-back at no cost to you.

Simply call the following number for the locations nearest you.

CRT Processing, LLC

(877) 278-0799

Kathy Severson – Logistics contact

For more recycling information, go to our website:

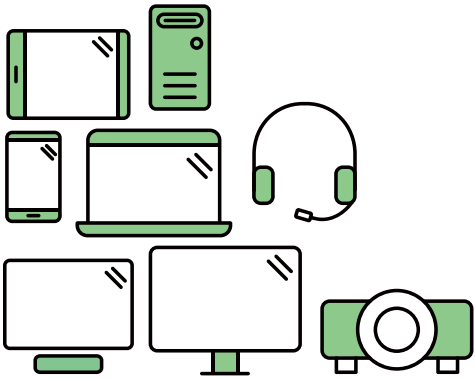
www.samsung.com/recycling or call 1-800-SAMSUNG.

TCO Certified

A third-party certification according to ISO 14024



Toward sustainable IT products



Say hello to a more sustainable product

IT products are associated with a wide range of sustainability risks throughout their life cycle. Human rights violations are common in the factories. Harmful substances are used both in products and their manufacture. Products can often have a short lifespan because of poor ergonomics, low quality and when they are not able to be repaired or upgraded.

This product is a better choice. It meets all the criteria in TCO Certified, the world's most comprehensive sustainability certification for IT products. Thank you for making a responsible product choice, that help drive progress towards a more sustainable future!

Criteria in TCO Certified have a life-cycle perspective and balance environmental and social responsibility. Conformity is verified by independent and approved verifiers that specialize in IT products, social responsibility or other sustainability issues. Verification is done both before and after the certificate is issued, covering the entire validity period. The process also includes ensuring that corrective actions are implemented in all cases of factory non-conformities. And last but not least, to make sure that the certification and independent verification is accurate, both TCO Certified and the verifiers are reviewed regularly.

Want to know more?

Read information about TCO Certified, full criteria documents, news and updates at [tcocertified.com](https://www.tcocertified.com). On the website you'll also find our Product Finder, which presents a complete, searchable listing of certified products.

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