SAMSUNG

USER MANUAL

SM-X510
SM-X516B
SM-X610
SM-X616B

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www.samsung.com

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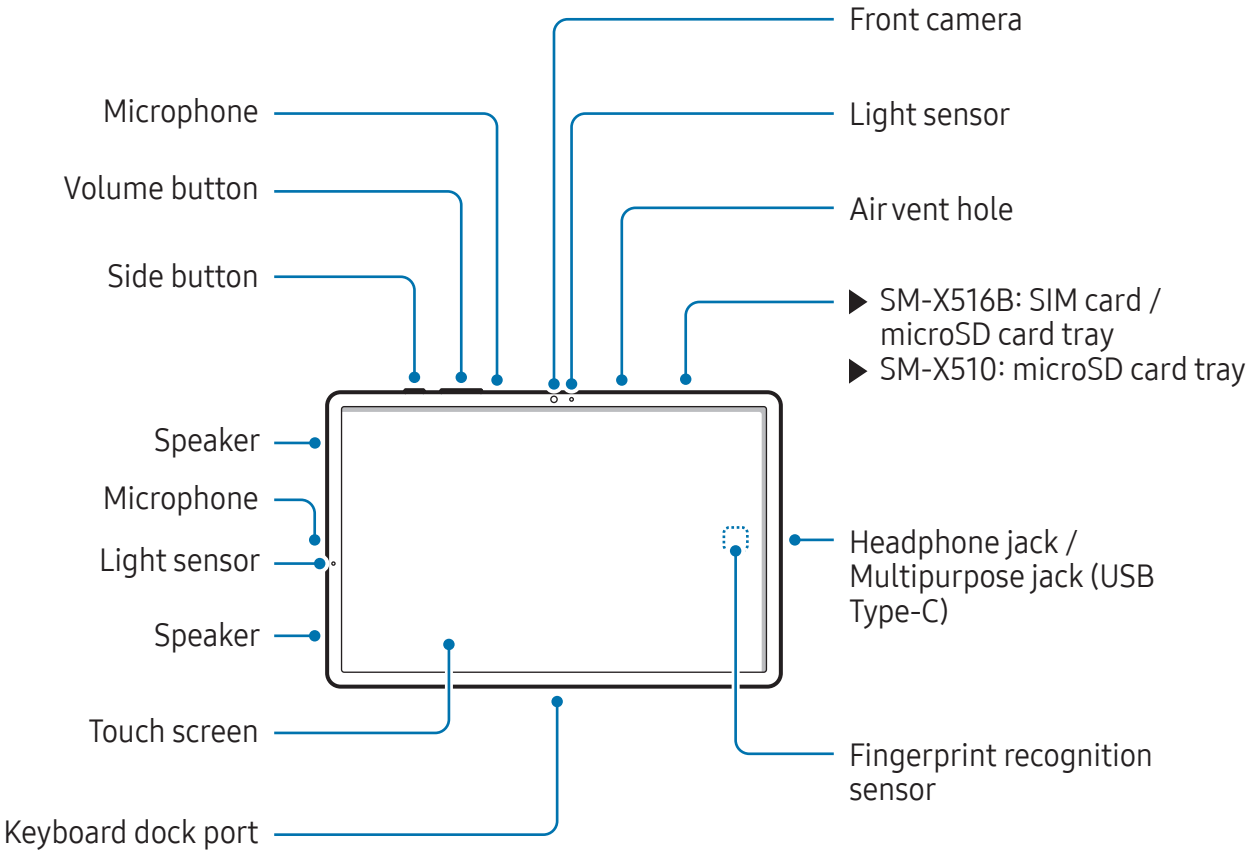
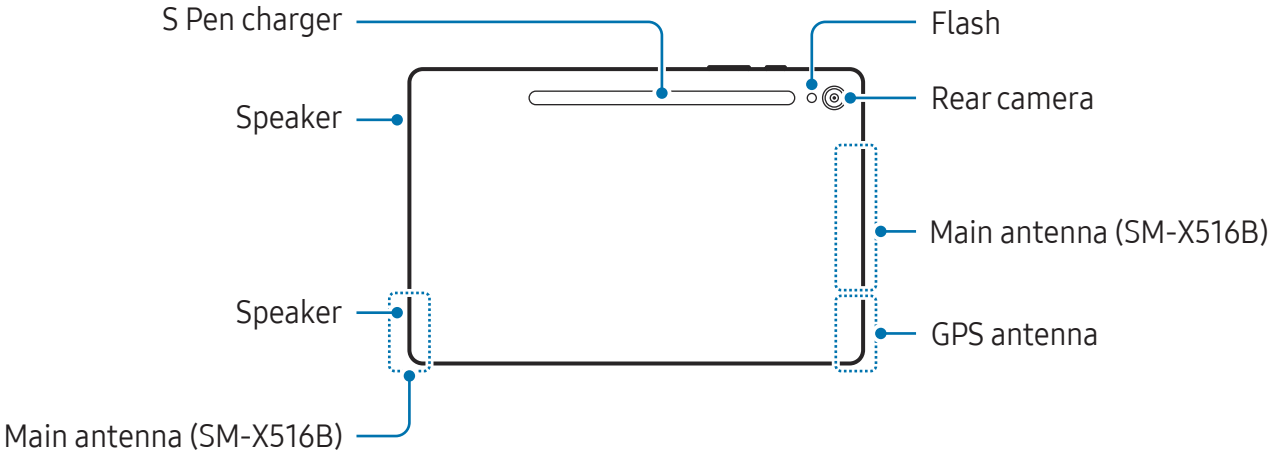
Getting started

Device layout and functions

▶ SM-X510, SM-X516B:





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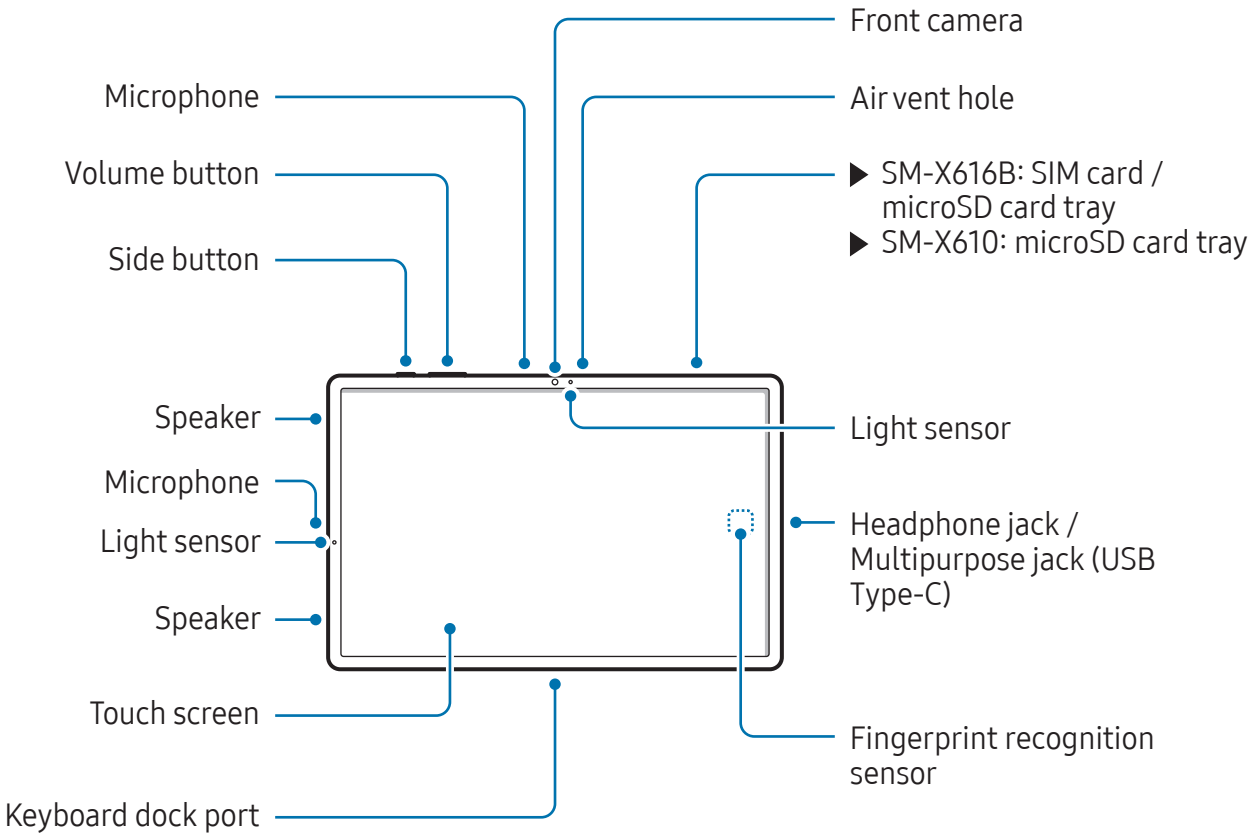
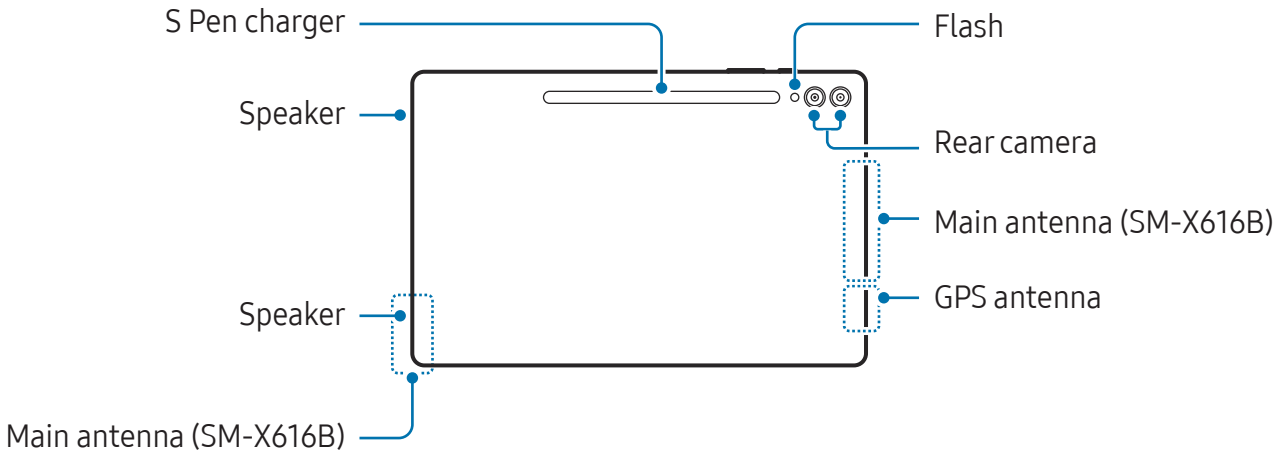




- Use the device in a place without magnetic interference for the device to operate normally.
- Your device and some accessories (sold separately) contain magnets. Keep it away from credit cards, implanted medical devices, and other devices that may be affected by magnets. In the case of medical devices, keep your device more than 15 cm apart. Stop using your device if you suspect any interference with your medical device and consult your physician or your medical device manufacturer.
- Keep a safe distance between objects that are affected by magnets, and your device and some accessories (sold separately) that contain magnets. Objects such as credit cards, passbooks, access cards, boarding passes, or parking passes may be damaged or disabled by the magnets in the device.

- When using the speakers, such as when playing media files or using speakerphone, do not place the device close to your ears.
- Be careful not to expose the camera lens to a strong light source, such as direct sunlight. If the camera lens is exposed to a strong light source, such as direct sunlight, the camera image sensor may be damaged. A damaged image sensor is irreparable and will cause dots or spots in pictures.
- If you use the device with its glass or acrylic body broken, there may be a risk of injury. Use the device only after it has been repaired at a Samsung Service Centre or an authorised service centre.
- If dust or foreign materials enter the microphone, speaker, or receiver, or if these parts are covered, the device's sound may become quiet or certain features may not work. If you attempt to remove the dust or foreign materials with a sharp object, the device may be damaged and its appearance may be affected.

- Connectivity problems and battery drain may occur in the following situations:
  - If you attach metallic stickers on the antenna area of the device
  - If you attach a device cover made with metallic material to the device
  - If you cover the device's antenna area with your hands or other objects while using certain features, such as calls or the mobile data connection
- If the area around the rear camera is covered with accessories, such as a protective film or stickers, unwanted noises may occur during calls or media playback.
- Do not cover the light sensor area with accessories, such as stickers or a cover. Doing so may cause the sensor to malfunction.

Hard buttons

Button	Function
Side button	• When the device is off, press and hold to turn it on. • Press to turn on or lock the screen. • Press and hold to start a conversation with Bixby. Refer to Using Bixby for more information. • Press twice or press and hold to open the app or feature you set.
Side button + Volume Down button	• Press simultaneously to capture a screenshot. • Press and hold simultaneously to turn off the device.

Setting the Side button

Select an app or feature to launch by pressing the Side button twice or pressing and holding the Side button.

Open **Settings**, tap **Advanced features** → **Side button**, and then select an option you want.

Soft buttons

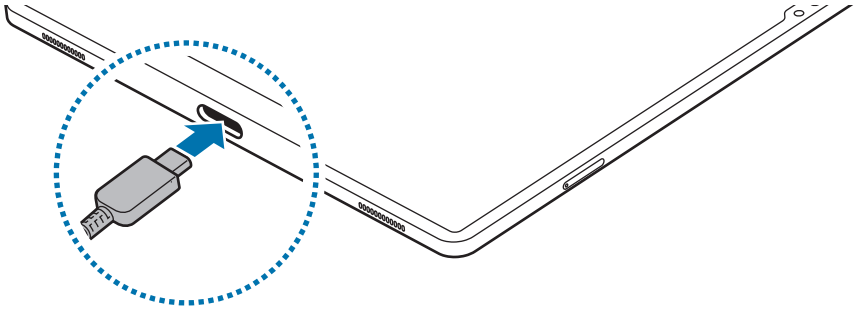
When you turn on the screen, the soft buttons will appear at the bottom of the screen. Refer to Navigation bar (soft buttons) for more information.

Charging the battery

Charge the battery before using it for the first time or when it has been unused for extended periods.

Wired charging

Connect the USB cable to the USB power adapter and plug the cable into the device's multipurpose jack to charge the battery. After fully charging, disconnect the charger from the device.



Quick charging

Use a super fast charger or fast charger.

You can check the connection status of the charger by opening **Settings** and tapping **Battery and device care** → **Battery**.

- If fast charging does not work, open **Settings**, tap **Battery and device care** → **Battery** → **More battery settings**, and then check if the feature you want is turned on. Also, check if the USB cable and the USB power adapter are connected properly.
- You can charge the battery more quickly while the device or its screen is turned off.

Charging other devices

Use the USB cable to charge another mobile device with your tablet's battery.

Connect your tablet and the other device using your tablet's USB cable. A USB connector may be needed depending on the other device.

When charging starts, the battery charging icon will appear on the other device's screen.

The app selection pop-up window that appears on your tablet is for data transfer. Do not select an app from the pop-up window.

Reducing the battery consumption

Your device provides various options that help you conserve battery power.

- Optimise the device using the device care feature.
- When you are not using the device, turn off the screen by pressing the Side button.
- Turn on power saving mode.
- Close unnecessary apps.
- Turn off the Bluetooth feature when not in use.
- Turn off auto-syncing of apps that need to be synced.
- Decrease the backlight time.
- Decrease the screen brightness.

Battery charging tips and precautions

Use only Samsung-approved battery, charger, and cable specifically designed for your device. Incompatible battery, charger, and cable can cause serious injuries or damage to your device.

- Connecting the charger improperly may cause serious damage to the device. Any damage caused by misuse is not covered by the warranty.
- Use only USB Type-C cable supplied with the device. The device may be damaged if you use Micro USB cable.
- If you charge the device while the multipurpose jack is wet, the device may be damaged. Thoroughly dry the multipurpose jack before charging the device.

- To save energy, unplug the charger when not in use. The charger does not have a power switch, so you must unplug the charger from the electric socket when not in use to avoid wasting power. The charger should remain close to the electric socket and easily accessible while charging.
- When using a charger, it is recommended to use an approved charger that guarantees the charging performance.
- If the battery is completely discharged, the device cannot be turned on immediately when the charger is connected. Allow a depleted battery to charge for a few minutes before turning on the device.
- If you use multiple apps at once, network apps, or apps that need a connection to another device, the battery will drain quickly. To avoid losing power during a data transfer, always use these apps after fully charging the battery.
- Using a power source other than the charger, such as a computer, may result in a slower charging speed because of a lower electric current.
- The device can be used while it is charging, but it may take longer to fully charge the battery.
- If the device receives an unstable power supply while charging, the touch screen may not function. If this happens, unplug the charger from the device.
- While charging, the device and the charger may heat up. This is normal and should not affect the device's lifespan or performance. If the battery gets hotter than usual, the charger may stop charging.
- If the device is not charging properly, take the device and the charger to a Samsung Service Centre or an authorised service centre.

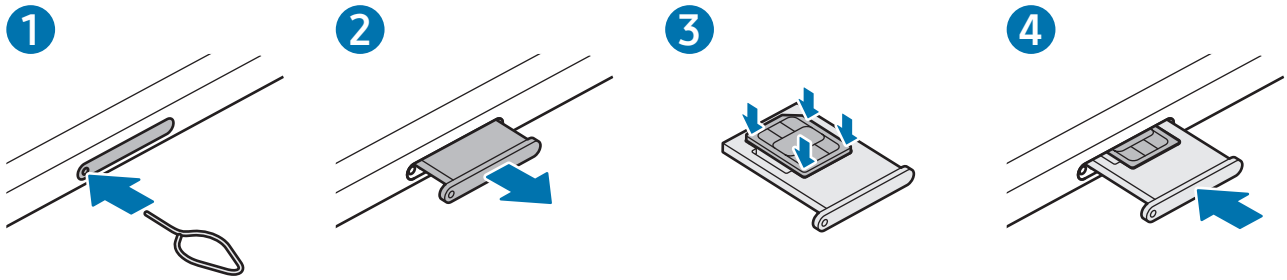
Nano-SIM card and eSIM (Mobile network enabled models)

Insert the SIM or USIM card provided by your carrier.

To have two phone numbers or carriers for a single device, activate the eSIM. Differing from a physical nano-SIM card, an eSIM is an embedded digital SIM. Using both the nano-SIM card and the eSIM may result in slower data transfer speeds in some areas.

- eSIM may not be available depending on the region, carrier, or model.
- Some services that require a network connection may not be available depending on the carrier.

Inserting the SIM or USIM card



1 Insert the ejection pin into the hole on the tray to loosen the tray.

2 Pull out the tray gently from the tray slot.

3 Place the SIM or USIM card on the tray with the gold-coloured contacts facing upwards and gently press the SIM or USIM card into the tray to secure it.

4 Insert the tray back into the tray slot.

- Use only a nano-SIM card.
- Use caution not to lose or let others use the SIM or USIM card. Samsung is not responsible for any damages or inconveniences caused by lost or stolen cards.
- Ensure that the ejection pin is perpendicular to the hole. Otherwise, the device may be damaged.
- If the card is not fixed firmly into the tray, the SIM card may leave or fall out of the tray.
- If you insert the tray into your device while the tray is wet, your device may be damaged. Always make sure the tray is dry.
- Fully insert the tray into the tray slot to prevent liquid from entering your device.

Activating an eSIM

Open **Settings** and tap **Connections** → **SIM manager** → **Add eSIM**. When a mobile plan is found, follow the on-screen instructions to activate the eSIM.

If you have a QR code provided by your carrier, open **Settings**, tap **Connections** → **SIM manager** → **Add eSIM** → **Scan QR code from service provider**, and then scan the QR code.

SIM manager

Open **Settings** and tap **Connections** → **SIM manager**.

- **SIM cards**: Activate the SIM card to use and customise the SIM card settings.
- **eSIMs**: Activate the eSIM.
- **Preferred SIMs**: Select to use specific SIM cards for some features, such as voice calls, when two cards are activated.
- **Data switching**: Set the device to use another SIM card for data services if the preferred SIM card cannot connect to the network.

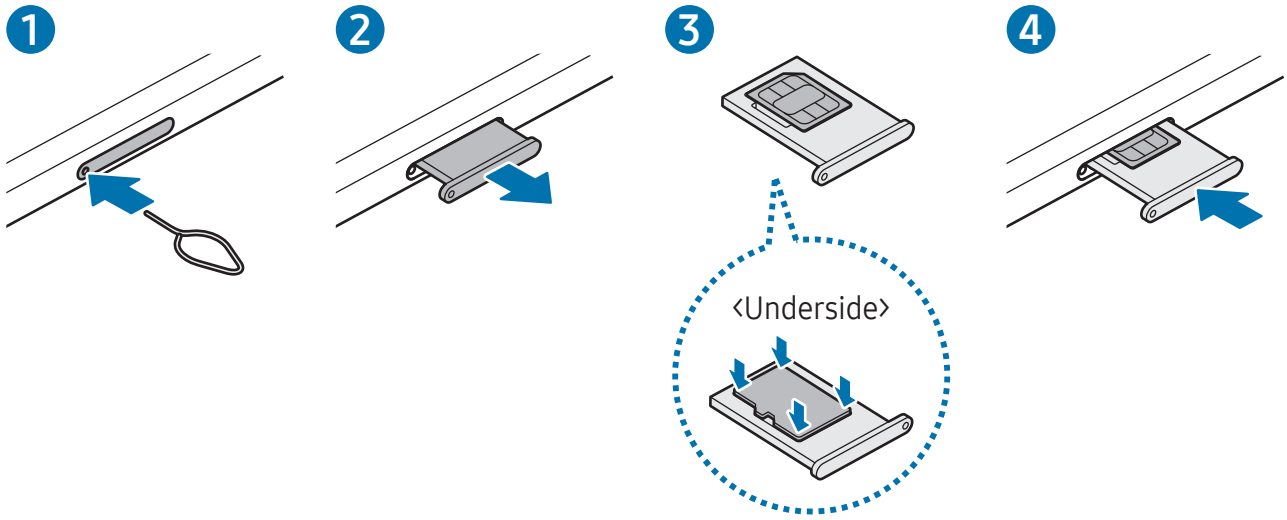
  You may incur additional charges when using this feature.

- **More SIM settings**: Customise the call or eSIM settings.

microSD card

Inserting an SD card

Your device's SD card capacity may vary from other models and some SD cards may not be compatible with your device depending on the SD card manufacturer and type. To check out your device's maximum SD card capacity, refer to the Samsung website.



1 Insert the ejection pin into the hole on the tray to loosen the tray.

2 Pull out the tray gently from the tray slot.

3 Place an SD card on the tray with the gold-coloured contacts facing upwards and gently press the SD card into the tray to secure it.

4 Insert the tray back into the tray slot.

- Use only a microSD card.
- Some SD cards may not be fully compatible with the device. Using an incompatible card may damage the device, the SD card, or the data stored in it.
- Use caution to insert the SD card right-side up.
- Ensure that the ejection pin is perpendicular to the hole. Otherwise, the device may be damaged.
- When you remove the tray from the device, the mobile data connection will be disabled. (Mobile network enabled models)
- If the card is not fixed firmly into the tray, the SD card may leave or fall out of the tray.
- If you insert the tray into your device while the tray is wet, your device may be damaged. Always make sure the tray is dry.
- Fully insert the tray into the tray slot to prevent liquid from entering your device.

- The device supports the FAT and the exFAT file systems for SD cards. When inserting a card formatted in a different file system, the device will ask to reformat the card or will not recognise the card. To use the SD card, you must format it. If your device cannot format or recognise the SD card, contact the SD card manufacturer, a Samsung Service Centre or an authorised service centre.
- Frequent writing and erasing of data shortens the lifespan of SD cards.
- When inserting an SD card into the device, the SD card's file directory appears in the **My Files** → **SD card** folder.

Removing the SD card

Before removing the SD card, first unmount it for safe removal.

1 Open **Settings** and tap **Battery and device care** → **Storage**.

2 Swipe to the left to access the **SD card** page.

3 Tap ⋮ → **Unmount**.

Do not remove external storage, such as an SD card or USB storage, while the device is transferring or accessing information, or right after transferring data. Doing so can cause data to be damaged or lost or cause damage to the external storage or tablet. Samsung is not responsible for losses, including loss of data, resulting from the misuse of external storage devices.

Formatting the SD card

An SD card formatted on a computer may not be compatible with the device. Format the SD card on the device.

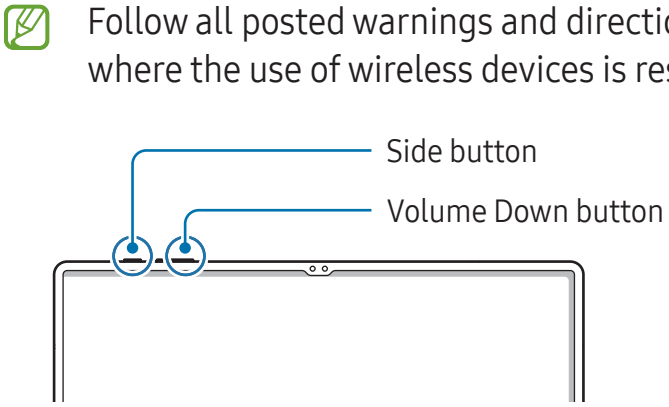
1 Open **Settings** and tap **Battery and device care** → **Storage**.

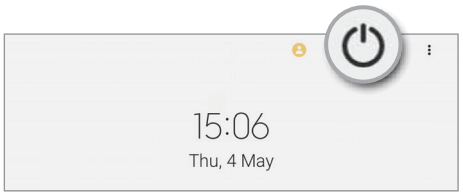
2 Swipe to the left to access the **SD card** page.

3 Tap ⋮ → **Format**.

Before formatting the SD card, remember to make backup copies of all important data stored in the SD card. The manufacturer's warranty does not cover loss of data resulting from user actions.

Turning the device on and off





Follow all posted warnings and directions from authorised personnel in areas where the use of wireless devices is restricted, such as aeroplanes and hospitals.

Turning the device on

Press and hold the Side button for a few seconds to turn on the device.

Turning the device off

1 To turn off the device, press and hold the Side button and the Volume Down button simultaneously. Alternatively, open the notification panel, swipe downwards, and then tap ⏻.

2 Tap **Power off**.
To restart the device, tap **Restart**.

You can set the device to turn off when you press and hold the Side button. Open **Settings**, tap **Advanced features** → **Side button**, and then tap **Power off menu** under **Press and hold**.

Forcing restart

If your device is frozen and unresponsive, press and hold the Side button and the Volume Down button simultaneously for more than 7 seconds to restart it.

Emergency call (Mobile network enabled models)

You can make an emergency call or check the medical information you saved.

Press and hold the Side button and the Volume Down button simultaneously, and then tap **Emergency call**. Alternatively, open the notification panel, swipe downwards, and then tap ⏻ → **Emergency call**.

To manage your medical information and emergency contacts, open **Settings** and tap **Safety and emergency**.

Initial setup

When you turn on your device for the first time or after performing a data reset, follow the on-screen instructions to set up your device.

If you do not connect to a Wi-Fi network, you might not be able to set up some device features during the initial setup.

Samsung account

Using the Samsung account, you can use a variety of Samsung services that are provided through mobile devices, TVs, and the Samsung website.

To check the list of services that can be used with your Samsung account, visit account.samsung.com.

1 Open **Settings** and tap **Samsung account**.

Alternatively, open **Settings** and tap **Accounts and backup** → **Manage accounts** → **Add account** → **Samsung account**.

2 Sign in to your Samsung account. If you do not have a Samsung account, tap **Create account**.

Finding your ID and resetting your password

If you forget your Samsung account ID or password, tap **Find ID** or **Forgot password?** on the Samsung account sign-in screen. You can find your ID or reset your password after you enter the required information.

Signing out of your Samsung account

When you sign out of your Samsung account, your data, such as contacts or events, will also be removed from your device.

1 Open **Settings** and tap **Accounts and backup** → **Manage accounts**.

2 Tap **Samsung account** → **My profile** and tap **Sign out** at the bottom of the screen.

3 Tap **Sign out**, enter your Samsung account password, and then tap **OK**.

Transferring data from your previous device (Smart Switch)

You can use Smart Switch to transfer data from your previous device to your new tablet.

Open **Settings** and tap **Accounts and backup** → **Bring data from old device**.

- This feature may not be supported on some devices or computers.
- Limitations apply. Visit www.samsung.com/smartswitch for details. Samsung takes copyright seriously. Only transfer content that you own or have the right to transfer.

Transferring data using a USB cable

You can connect your previous device to your new tablet with the USB cable to transfer data.

1 Connect your new tablet and the previous device using your new tablet's USB cable.

A USB connector may be needed depending on the previous device.

2 When the app selection pop-up window appears, tap **Smart Switch** → **Receive data**.

3 In the previous device, tap **OK**.

If you do not have the app, download it from **Galaxy Store** or **Play Store**.

Your new tablet will recognise the previous device and a list of data you can transfer will appear.

4 On your new tablet, select an option you want, tap **Next**, and then follow the on-screen instructions to transfer data.

Do not disconnect the USB cable from the device when you are transferring files. Doing so may cause data loss or device damage.

Transferring data increases the battery power consumption of your device. Ensure that your device is sufficiently charged before transferring data. If the battery power is low, data transfer may be interrupted.

Transferring data wirelessly

Transfer data from your previous device to your new tablet wirelessly through Wi-Fi Direct.

1 On the previous device, open **Smart Switch**.

If you do not have the app, download it from **Galaxy Store** or **Play Store**.

2 On your new tablet, open **Settings** and tap **Accounts and backup** → **Bring data from old device**.

3 Place the devices near each other.

4 On the previous device, tap **Send data** → **Wireless**.

5 On your new tablet, tap **Receive data**, select your previous device's operating system, and then tap **Wireless**.

6 On the previous device, tap **Allow**.

7 On your new tablet, select an option you want, tap **Next**, and then follow the on-screen instructions to transfer data.

Backing up and restoring data using external storage

Transfer data using external storage, such as a microSD card.

1 Back up data from your previous device to external storage.

2 Insert or connect the external storage device to your tablet.

3 On your tablet, open **Settings** and tap **Accounts and backup** → **External storage transfer**.

4 Select the backup date under **Restore from SD card**.

5 Select an option you want, tap **Next**, and then follow the on-screen instructions to transfer data.

Transferring backup data from a computer

Back up data from your previous device to a computer and import the data to your new tablet.

1 On the computer, visit www.samsung.com/smartswitch to download Smart Switch.

2 On the computer, open Smart Switch.

If your previous device is not a Samsung device, back up data to a computer using an app provided by the device's manufacturer. Then, skip to the fifth step.

3 Connect your previous device to the computer using the device's USB cable.

4 On the computer, follow the on-screen instructions to back up data from the device. Then, disconnect your previous device from the computer.

5 Connect your new tablet to the computer using the USB cable.

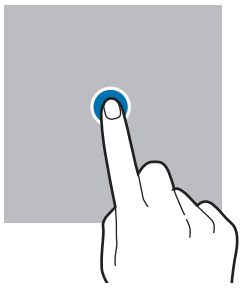
6 On the computer, follow the on-screen instructions to transfer data to your new tablet.

Understanding the screen

Controlling the touch screen

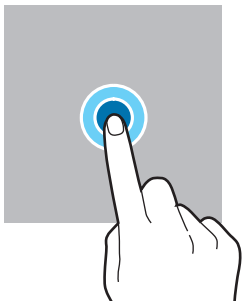
Tapping

Tap the screen.



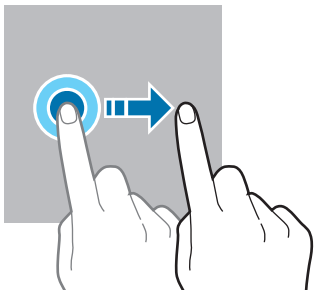
Touching and holding

Touch and hold the screen for approximately 2 seconds.



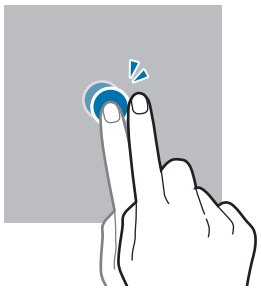
Dragging

Touch and hold an item and drag it to the target position.



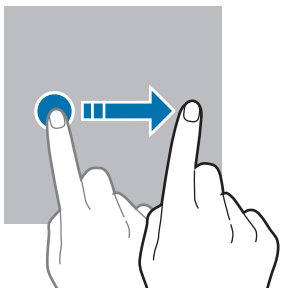
Double tapping

Double tap the screen.



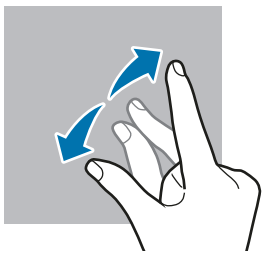
Swiping

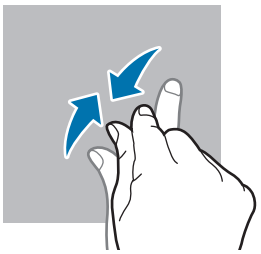
Swipe upwards, downwards, to the left, or to the right.



Spreading and pinching

Spread two fingers apart or pinch on the screen.





- Do not allow the touch screen to come into contact with other electrical devices. Electrostatic discharges can cause the touch screen to malfunction.
- To avoid damaging the touch screen, do not tap it with anything sharp or apply excessive pressure to it with your fingertips or other object.
- It is recommended not to use fixed graphics on part or all of the touch screen for extended periods. Doing so may result in afterimages (screen burn-in) or ghosting.

The device may not recognise touch inputs close to the edges of the screen, which are outside of the touch input area.

Navigation bar (soft buttons)

When you turn on the screen, the soft buttons will appear on the navigation bar at the bottom of the screen. The soft buttons are set to the Recents button, Home button, and Back button by default. The functions of the buttons can change according to the app currently being used or usage environment.

Button		Function
|||	Recents	• Tap to open the list of recent apps.
○	Home	• Tap to return to the Home screen. • Touch and hold to open the **Google Assistant** app.
<	Back	• Tap to return to the previous screen.

Hiding the navigation bar

Check files or use apps on a wider screen by hiding the navigation bar.

Open **Settings**, tap **Display** → **Navigation bar**, and then tap **Swipe gestures** under **Navigation type**. The navigation bar will be hidden and the gesture hints will appear. Tap **More options** and select an option you want.

Swipe from bottom

Swipe from sides and bottom

If you want to hide the gesture hints at the bottom of the screen, tap the **Gesture hint** switch to turn it off.

Home screen and Apps screen

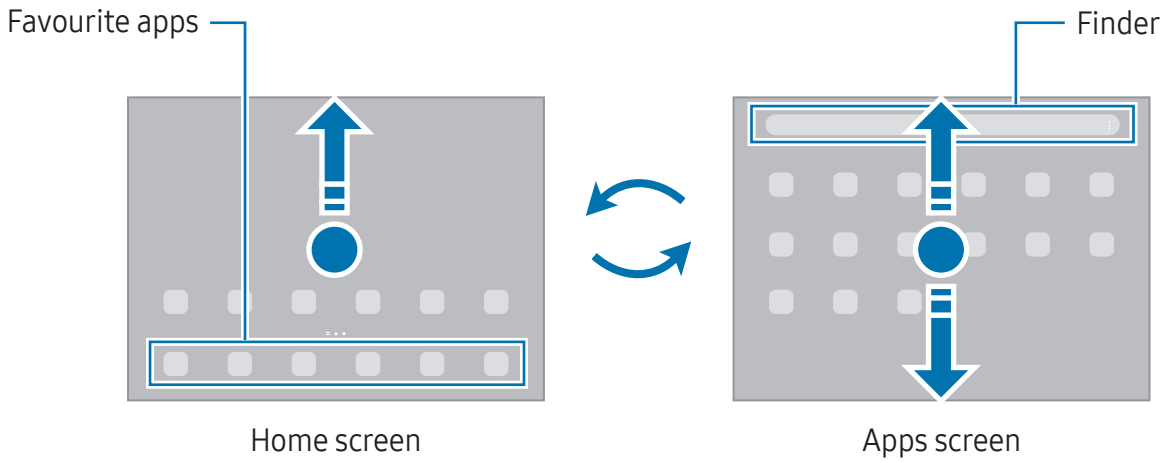
The Home screen is the starting point for accessing all of the device's features. It displays widgets, shortcuts to apps, and more.

The Apps screen displays icons for all apps, including newly installed apps.

Switching between Home and Apps screens

On the Home screen, swipe upwards to open the Apps screen.

To return to the Home screen, swipe upwards or downwards on the Apps screen. Alternatively, tap the Home button or the Back button.

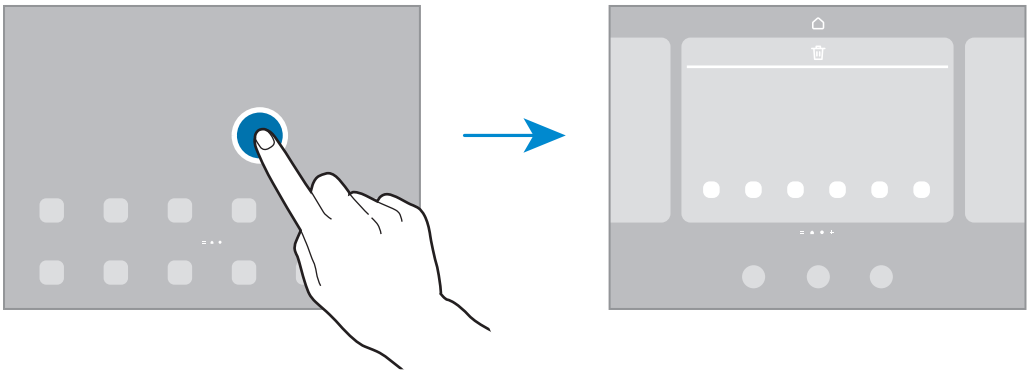


If you add the Apps button on the Home screen, you can open the Apps screen by tapping the button. On the Home screen, touch and hold an empty area, tap **Settings**, and then tap the **Show Apps screen button on Home screen** switch to turn it on. The Apps button will be added at the bottom of the Home screen.

Editing the Home screen

On the Home screen, touch and hold an empty area, or pinch your fingers together to access the editing options. You can set the wallpaper, add widgets, and more. You can also add, delete, or rearrange Home screen panels.

- Adding panels: Swipe to the left, and then tap ⊕.
- Moving panels: Drag a panel preview to a new location.
- Deleting panels: Tap 🗑 on the panel.



- **Wallpaper and style**: Change the wallpaper settings for the Home screen and the locked screen.
- **Widgets**: Widgets are small apps that launch specific app features to provide information and convenient access on your Home screen. Select a widget and tap **Add**. The widget will be added on the Home screen.
- **Settings**: Configure settings for the Home screen, such as the screen layout.

Displaying all apps on the Home screen

Without using a separate Apps screen, you can set the device to display all apps on the Home screen. On the Home screen, touch and hold an empty area, and then tap **Settings** → **Home screen layout** → **Home screen only** → **Apply**.

Launching Finder

Search for content on the device.

1 On the Apps screen, tap **Search**. Alternatively, open the notification panel, swipe downwards, and then tap Q.

2 Enter a keyword.
Apps and content on your device will be searched.
If you tap Q on the keyboard, you can search for more content.

Moving items

Drag an item to a new location. To move the item to another panel, drag it to the side of the screen.

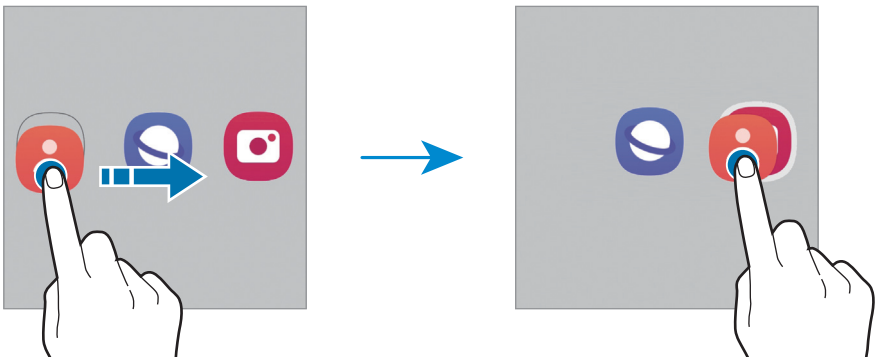
To add a shortcut to an app on the Home screen, touch and hold an item on the Apps screen, and then tap **Add to Home**. A shortcut to the app will be added on the Home screen.

You can also move frequently used apps to the shortcuts area at the bottom of the Home screen.

Creating folders

On the Home screen or the Apps screen, drag an app over another app.

A new folder containing the selected apps will be created. Tap **Folder name** and enter a folder name.



- Adding more apps

  Tap + on the folder. Tick the apps to add and tap **Done**. You can also add an app by dragging it to the folder.

- Moving apps from a folder

  Drag an app to a new location.

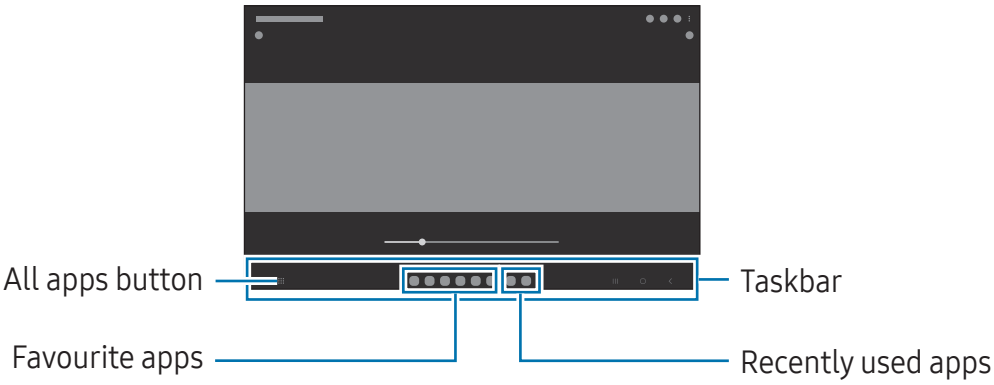
- Deleting a folder

  Touch and hold a folder, and then tap **Delete folder**. Only the folder will be deleted. The folder's apps will be relocated to the Apps screen.

Taskbar

The taskbar appears at the bottom of screen while using an app. The favourite apps from the bottom of the Home screen, recently used apps, and the all apps button will be displayed on the taskbar. You can switch apps by selecting the app you want from the taskbar.

You can also run multiple apps at the same time. While using an app, touch and hold the app you want from the taskbar, drag it upwards, and then drop it wherever you want.



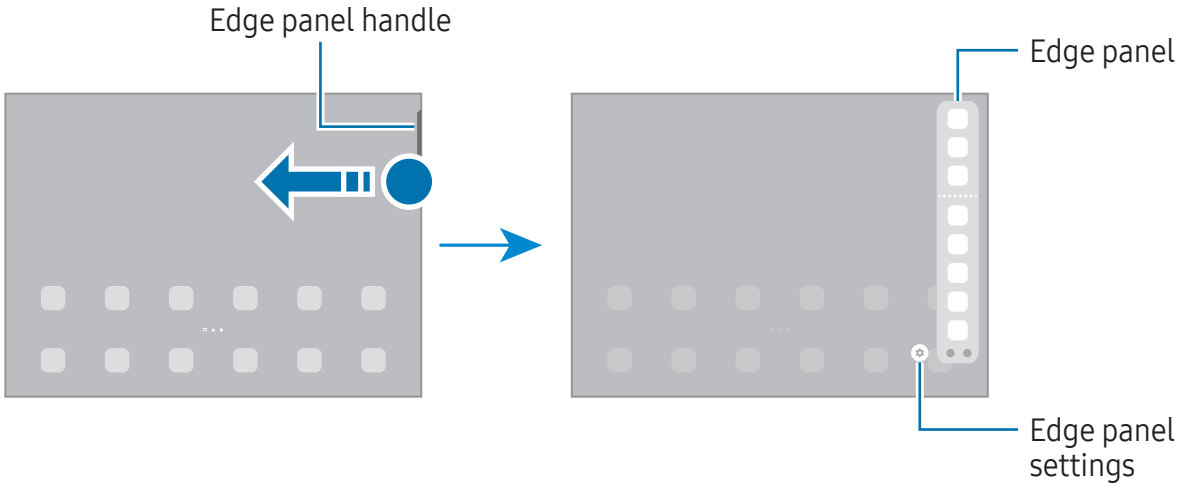
If you do not want to use the taskbar, open **Settings**, tap **Display**, and then tap the **Taskbar** switch to turn it off.

Edge panel

You can access your favourite apps and features from the Edge panels.

Drag the Edge panel handle towards the centre of the screen.

If the Edge panel handle is not visible, open **Settings**, tap **Display**, and then tap the **Edge panels** switch to turn it on.



Lock screen

Pressing the Side button turns off the screen and locks it. Also, the screen turns off and automatically locks if the device is not used for a specified period.

To unlock the screen, swipe in any direction when the screen turns on.

If the screen is off, press the Side button to turn on the screen. Alternatively, double tap the screen.

Changing the screen lock method

To change the screen lock method, open **Settings**, tap **Lock screen** → **Screen lock type**, and then select a method.

When you set a pattern, PIN, password, or your biometric data for the screen lock method, you can protect your personal information by preventing others from accessing your device. After setting the screen lock method, the device will require an unlock code whenever unlocking it.

You can set your device to perform a factory data reset if you enter the unlock code incorrectly several times in a row and reach the attempt limit. Open **Settings**, tap **Lock screen** → **Secure lock settings**, unlock the screen using the preset screen lock method, and then tap the **Auto factory reset** switch to turn it on.

Indicator icons

Indicator icons appear on the status bar at the top of the screen. The icons listed in the table are most common.

Icon	Meaning
	No signal
	Signal strength
	Roaming (outside of normal service area)
	GPRS network connected
	EDGE network connected
	UMTS network connected
	HSDPA network connected
	HSPA+ network connected
	LTE network connected
	5G network connected

Icon	Meaning
	LTE network connected in LTE network that includes the 5G network
	Wi-Fi connected
	Bluetooth feature turned on
/	S Pen connected/disconnected
	S Pen battery power level
	Location services being used
	Call in progress
	Missed call
	New text or multimedia message
	Alarm turned on
/	Mute mode / Vibration mode
	Flight mode turned on
	Error occurred or caution required
/	Battery charging / Battery power level

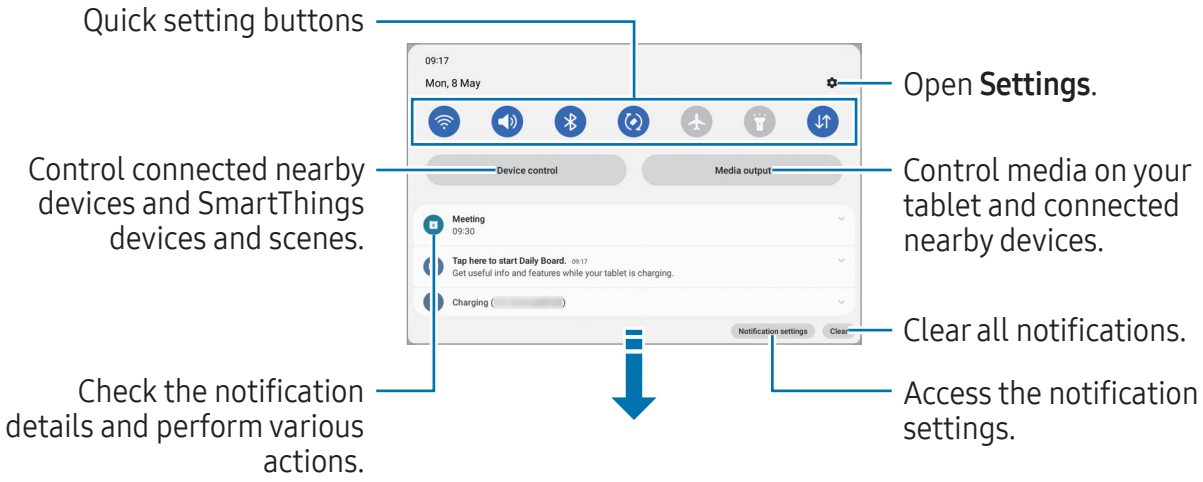
- The status bar may not appear at the top of the screen in some apps. To display the status bar, drag down from the top of the screen.
- Some indicator icons appear only when you open the notification panel.
- The indicator icons may appear differently depending on the carrier or model.

Notification panel

When you receive new notifications, indicator icons appear on the status bar. To check out more information about the icons, open the notification panel and check the details.

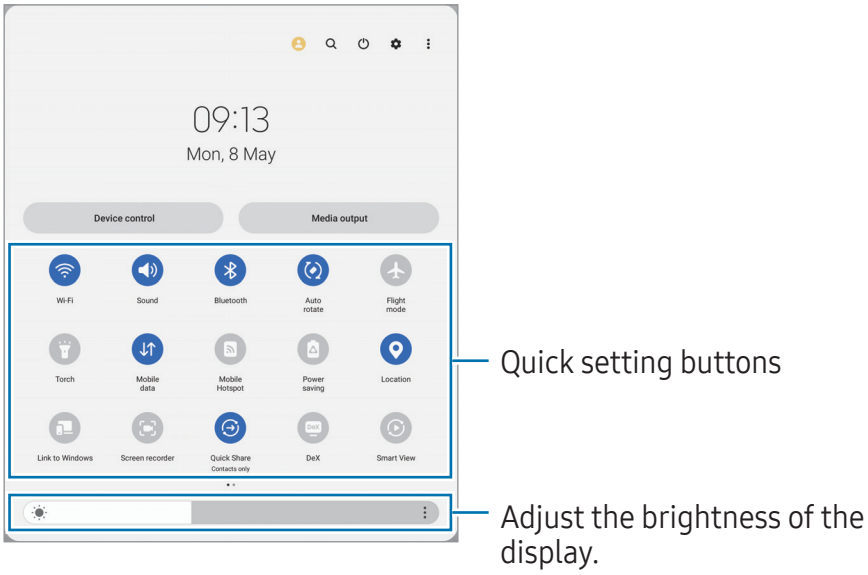
To open the notification panel, drag the status bar downwards. To close the notification panel, swipe upwards on the screen.

You can use the following functions on the notification panel.



Using quick setting buttons

Tap quick setting buttons to turn on certain features. Swipe downwards on the notification panel to access more buttons. To add more buttons, tap ⊕.



To change feature settings, tap the text under each button. To access more detailed settings, touch and hold a button.

To rearrange buttons, tap ⋮ → **Edit buttons**, drag a button to another location.

Controlling media playback

Control media on your tablet and connected nearby devices on the notification panel.

1 Open the notification panel and tap **Media output**.

2 Tap the icons on the controller to control the playback.

Controlling nearby devices

Launch and take control of nearby connected devices and frequently used SmartThings devices and scenes on the notification panel.

1 Open the notification panel and tap **Device control**.

Nearby connected devices and SmartThings devices and scenes will appear.

2 Select a nearby device or a SmartThings device to control it, or select a scene to launch it.

Screen capture and screen record

Screen capture

Capture a screenshot while using the device and write on, draw on, crop, or share the captured screen. You can capture the current screen and scrollable area.

How to capture a screenshot

Use the following methods to capture a screenshot. You can check the captured screenshots in **Gallery**.

Method 1) Button capture: Press the Side button and the Volume Down button simultaneously.

Method 2) Swipe capture: With the edge of your hand, swipe your hand to the left or right across the screen.

- It is not possible to capture a screenshot while using some apps and features.
- If capturing a screenshot by swiping is not turned on, open **Settings**, tap **Advanced features** → **Motions and gestures**, and then tap the **Palm swipe to capture** switch to turn it on.

After capturing a screenshot, use the following options on the toolbar at the bottom of the screen:

- : Capture the current content and the hidden content on an elongated page, such as a webpage. When you tap , the screen will automatically scroll down and more content will be captured.
- : Write or draw on the screenshot or crop a portion from the screenshot. You can check the cropped area in **Gallery**.
- # : Add tags to the screenshot. To search for screenshots by tag, tap in **Gallery**. You can access the tags list and search for the screenshot you want.
- : Share the screenshot with others.

If the options are not visible on the captured screen, open **Settings**, tap **Advanced features** → **Screenshots and screen recorder**, and then tap the **Show toolbar after capturing** switch to turn it on.

Screen record

Record the screen while using your device.

1 Open the notification panel, swipe downwards, and then tap (**Screen recorder**).

2 Select a sound setting and tap **Start recording**.
After a countdown, recording will start.
- To write or draw on the screen, tap .
- To show the S Pen pointer on the screen, tap . You can use this feature only when the S Pen is detached from the device.
- To record the screen with a video overlay of yourself, tap .

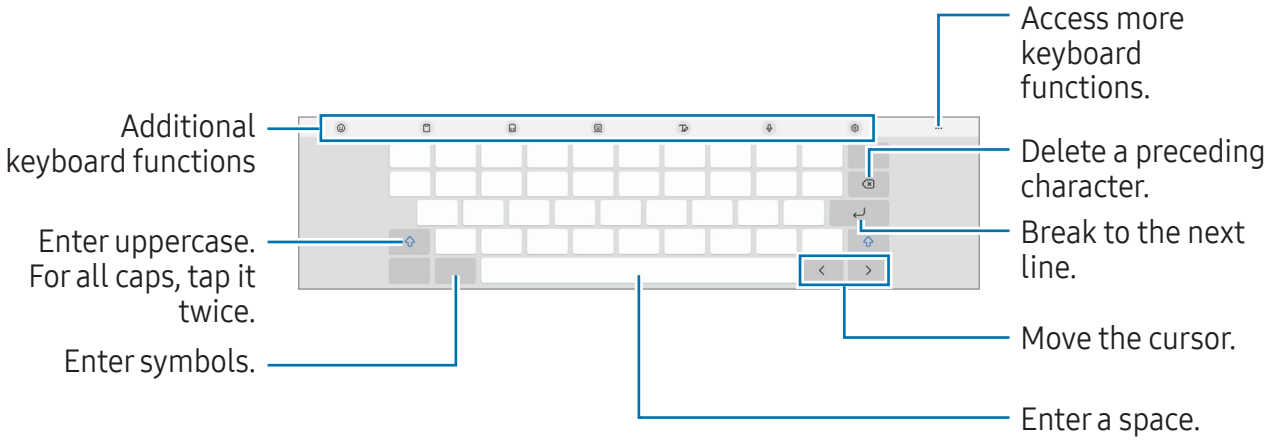
3 When you are finished recording the video, tap .
You can check the video in **Gallery**.

To change the screen recorder settings, open **Settings** and tap **Advanced features** → **Screenshots and screen recorder**.

Entering text

Keyboard layout

A keyboard appears automatically when you enter text.



Text entry is not supported in some languages. To enter text, you must change the input language to one of the supported languages.

Changing the input language

Tap ⚙ → **Languages and types** → **Manage input languages** and select the languages to use. When you select two or more languages, you can switch between the input languages by tapping 🌐.

Changing the keyboard

On the navigation bar, tap ⌨ to change the keyboard.

To change the keyboard type, tap ⚙ → **Languages and types**, select a language, and then select the keyboard type you want.

If the keyboard button (⌨) does not appear on the navigation bar, open **Settings**, tap **General management** → **Keyboard list and default**, and then tap the **Keyboard button on navigation bar** switch to turn it on.

Additional keyboard functions

- ☺ : Enter emojis, stickers, and more. You can also enter your emoji stickers that look like you. Refer to Using your AR emoji stickers in chats for more information.
- 📋 : Add an item from the clipboard.
- ⊞ : Switch to the split keyboard.
- ⌨ : Switch to the floating keyboard. You can move the keyboard to another location by dragging the tab.
- ✍ : Switch to handwriting mode.
- 🎤 : Enter text by voice.
- ⚙ : Change the keyboard settings.

Tap ••• to use more keyboard functions.

- 🔍 : Search for content and enter it.
- 🈂 : Translate text and enter it.
- [T] : Recognise text from documents or images and enter it.

- : Enter your personal information registered to Samsung Pass.
- : Find spelling and grammatical mistakes and get suggestions when writing in English.
- : Share music links.
- : Share video links.
- : Enter emojis.
- : Attach GIFs.
- / / : Enter stickers.
- : Change the keyboard size.
- : Open the text editing panel.

Some features may not be available depending on the carrier or model.

Copying and pasting

1 Touch and hold over text.

2 Drag or to select the desired text, or tap **Select all** to select all text.

3 Tap **Copy** or **Cut**.
The selected text is copied to the clipboard.

4 Touch and hold where the text is to be inserted and tap **Paste**.
To paste text that you have previously copied, tap **Clipboard** and select the text.

Apps and features

Installing or uninstalling apps

Galaxy Store

Purchase and download apps. You can download apps that are specialised for Samsung Galaxy devices.

Open the **Galaxy Store** app. Browse apps by category or tap 🔍 to search for a keyword.

- This app may not be available depending on the carrier or model.
- To change the auto update settings, tap **Menu** → ⚙ → **Auto update apps**, and then select an option.

Play Store

Purchase and download apps.

Open the **Play Store** app. Browse apps by category or search for apps by keyword.

To change the auto update settings, tap your account icon, tap **Settings** → **Network preferences** → **Auto-update apps**, and then select an option.

Managing apps

Uninstalling or disabling apps

Touch and hold an app and select an option.

- **Uninstall**: Uninstall downloaded apps.
- **Disable**: Disable selected default apps that cannot be uninstalled from the device.

Some apps may not support this feature.

Enabling apps

Open **Settings**, tap **Apps** → ⇣ → **Disabled** → **OK**, select an app, and then tap **Enable**.

Setting app permissions

For some apps to operate properly, they may need permission to access or use information on your device.

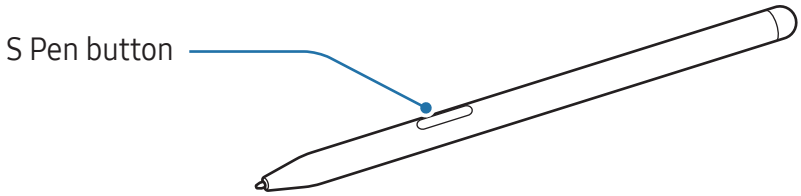
To access your app permission settings, open **Settings** and tap **Apps**. Select an app and tap **Permissions**. You can check the app's permissions list and change its permissions.

To check or change app permission settings by permission category, open **Settings** and tap **Apps** → ⋮ → **Permission manager**. Select an item and select an app.

If you do not grant permissions to apps, the basic features of the apps may not function properly.

S Pen

Using the S Pen



- Do not bend or apply excessive pressure with the S Pen while using it. The S Pen may be damaged or the nib may be deformed.
- Do not hard press on the screen with the S Pen. The pen nib may be deformed.

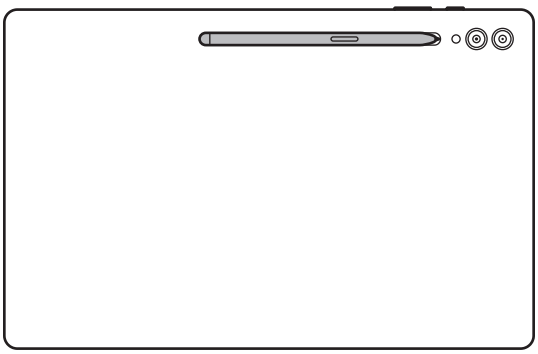
- If there is a magnet near the device, some S Pen actions, such as charging or tapping the touch screen, may not work.
- Even if the S Pen has been fully discharged, you can use other S Pen features, such as tapping the touch screen or the Air command features.
- If you use the S Pen at sharp angles on the screen, the device may not recognise the S Pen actions.
- If the S Pen is not working properly, take it to a Samsung Service Centre or an authorised service centre.

Charging the S Pen

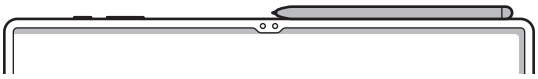
The S Pen must be charged before you can control apps remotely by using the S Pen button.

When the S Pen and the S Pen charger are properly aligned, charging will begin.

If the Air action feature is turned off, the S Pen will be charged only when the device is charging.



- If the device and the S Pen are not attached like in the image, the S Pen may not be charged. Attach the S Pen by aligning the top of the S Pen to the end of the S Pen charger as shown in the image.
- If you use the device on the floor with the S Pen attached to the S Pen charger, it may scratch the S Pen. To prevent this, attach the S Pen to the top of the device. However, the S Pen will not charge in this case.



Air actions

(Controlling apps remotely with the S Pen)

Control apps remotely by using the S Pen connected to your device through Bluetooth Low Energy (BLE).

For example, you can open apps, such as the camera app, by pressing and holding the S Pen button. Also, while using the camera app, you can take a picture by pressing the button once. While playing music, you can turn the volume up if you lift the S Pen up while pressing and holding the S Pen button and turn the volume down if you lower it.

- The S Pen must be charged before you can use the Air actions feature. Refer to Charging the S Pen for more information.
- When you detach the S Pen from the S Pen charger, the icon will appear on the status bar. If the S Pen is discharged or far from the device, or if there are obstacles or there is external interference between the S Pen and the device, the S Pen will be disconnected from the device and the icon will turn grey ( ). To use the Air actions feature again, connect the S Pen with the device by reattaching the S Pen to the S Pen charger.

Taking pictures with the S Pen

Even though you take pictures with your device placing for a distance, you can take pictures by pressing the S Pen button without setting a timer.

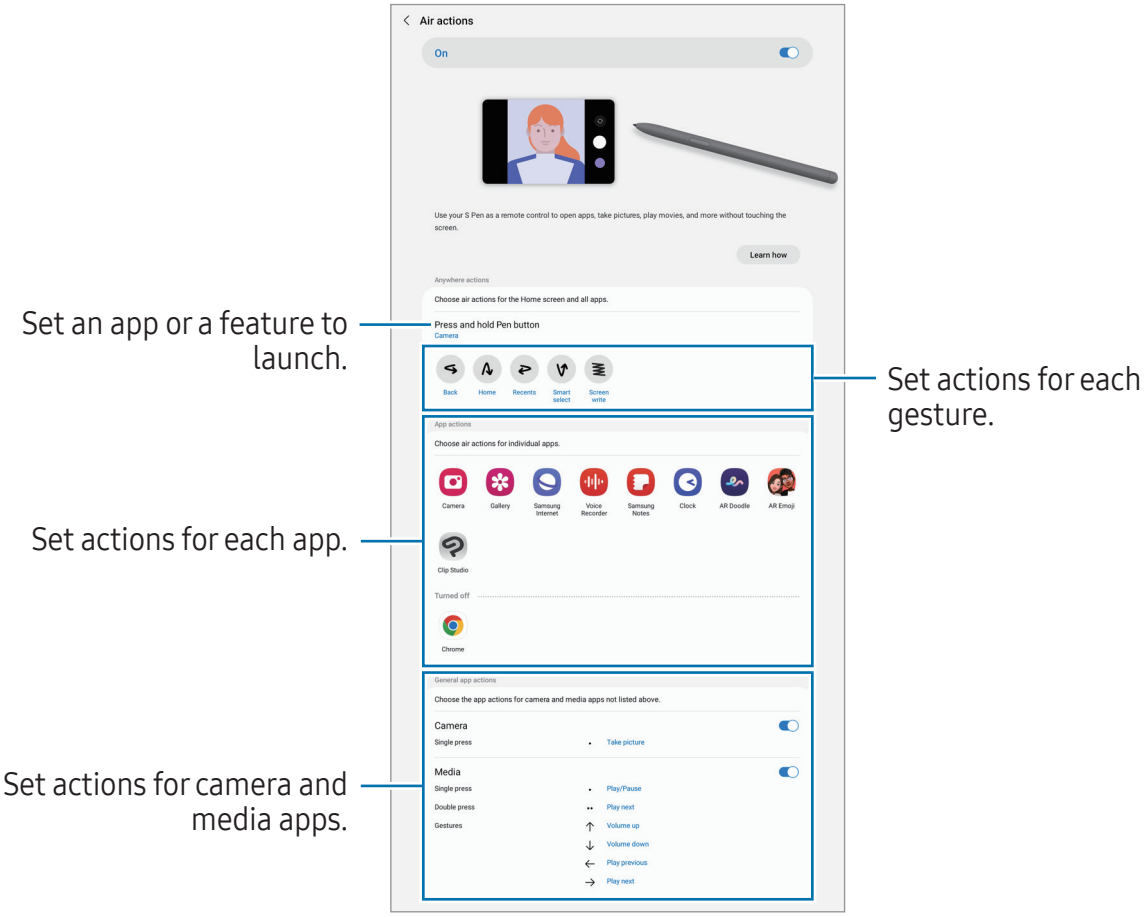
1 Open **Settings**, tap **Advanced features** → **S Pen** → **Air actions**, and then tap the switch to turn on the feature.

2 Open the **Camera** app.

3 Press the S Pen button once to take a picture.
- To take a series of pictures, press and hold the S Pen button.
- To change the shooting mode, move the S Pen to the left or right while pressing and holding the S Pen button.
- To switch between cameras, press the S Pen button twice.

Changing apps or features to use

Change the app, feature, or actions you want to use with the S Pen feature. Open **Settings**, tap **Advanced features** → **S Pen** → **Air actions**.



Resetting your S Pen

If the S Pen has connection problems or the S Pen disconnects often, reset the S Pen and connect it again.

Attach the S Pen to the S Pen charger. Then, open **Settings** and tap **Advanced features** → **S Pen** → ⋮ → **Reset S Pen**.

- You can only connect Samsung-approved S Pens that support Bluetooth Low Energy (BLE).
- Do not detach the S Pen from the device when it is being connected. Doing so will interrupt the process.

Air command

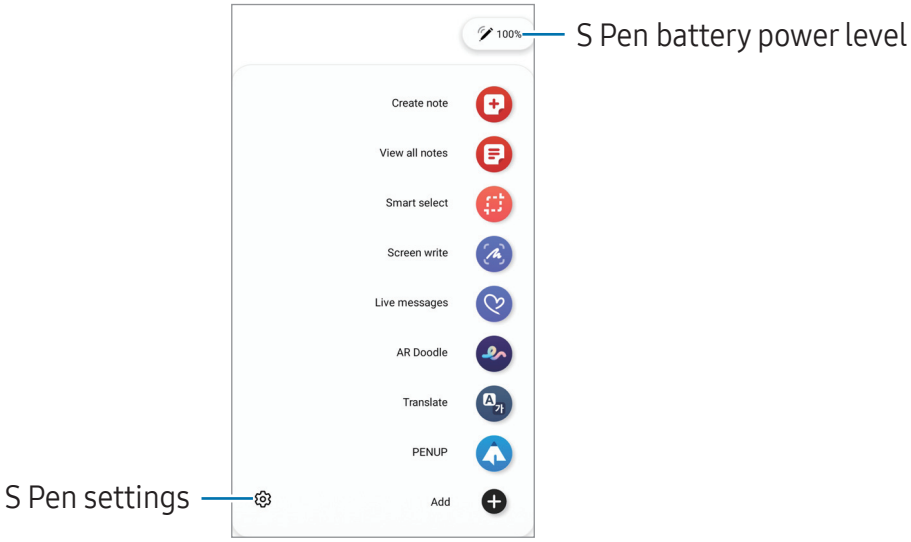
(Launching S Pen features and apps directly)

Air command is a menu that provides S Pen features and direct access to frequently used apps.

To open the Air command panel, hover the S Pen over the screen and press the S Pen button. You can also tap the Air command icon ( ) with the S Pen.

Select a function or app on the Air command panel.

When the screen is off or locked with a screen lock method, removing the S Pen will not open the Air command panel.



- **Create note**: Create notes in a pop-up window. You can also launch this feature by double tapping the screen while pressing and holding the S Pen button. Refer to Samsung Notes for more information.
- **View all notes**: Access all notes in the **Samsung Notes** app.
- **Smart select**: Use the S Pen to select an area and perform actions, such as sharing or saving. Refer to Smart select for more information.
- **Screen write**: Capture screenshots to write or draw on them or crop an area from the captured image. You can also capture the current content and the hidden content on an elongated page, such as a webpage. Refer to Screen write for more information.
- **Live messages**: Instead of text message, create and send a unique message by recording your actions while handwriting or drawing a live message and saving it as an animated file. Refer to Live messages for more information.
- **AR Doodle**: Record fun videos with virtual handwriting or drawings on faces or anywhere else. Refer to AR Doodle for more information.
- **Translate**: Hover the S Pen over a word to translate it. Refer to Translate for more information.
- **PENUP**: Post your artwork, check out others' artwork, and get useful drawing tips.
- **Bixby Vision**: Use the Bixby Vision features to search for similar images, detect and translate text, and more. Refer to Bixby Vision for more information.
- **Magnify**: Hover the S Pen over an area of the screen to enlarge it.
- **Glance**: Reduce an app to a thumbnail and hover the S Pen over the thumbnail to open the app in full screen. Refer to Glance for more information.
- **Write on calendar**: Open the **Calendar** app and write or draw on the screen. Refer to Write on calendar for more information.
- **Colouring**: Add colours to images provided by PENUP using the S Pen.
- **Add**: Add shortcuts to frequently used apps to the Air command panel.

Air command icon

When the Air command panel is closed, the Air command icon will remain on the screen. You can open the Air command panel by tapping the icon with the S Pen.

To move the icon, drag to a new location.

To remove the icon, drag to **Remove** at the bottom of the screen.

If the Air command icon does not appear on the screen, open **Settings**, tap **Advanced features** → **S Pen** → **Air command**, and then tap the **Show Air command icon** switch to turn it on.

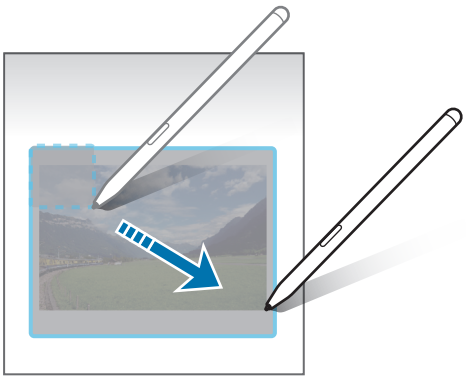
While using apps that support the Air actions feature, you can check out the actions available with each app by hovering the S Pen over the Air command icon.

Smart select

Use the S Pen to select an area and perform actions, such as sharing or saving. You can also select an area from a video and capture it as a GIF.

1 When there is content you want to capture, such as a part of an image, open the Air command panel and tap **Smart select**.

2 Select a desired shape icon on the toolbar and drag the S Pen across the content you want to select.



3 Select an option to use with the selected area.
- **Pin**: Pin the selected area to the screen. You can also insert the image into other apps, such as **Samsung Notes**. Drag the image to the other app's screen.
- **Copy**: Copy and paste the selected area into another app or other devices signed in to your Samsung account.
- : Extract text from the selected area.
- : Automatically changes the appearance of the selected area.
- : Write or draw on the selected area.
- : Share the selected area with others.
- : Save the selected area in **Gallery**.

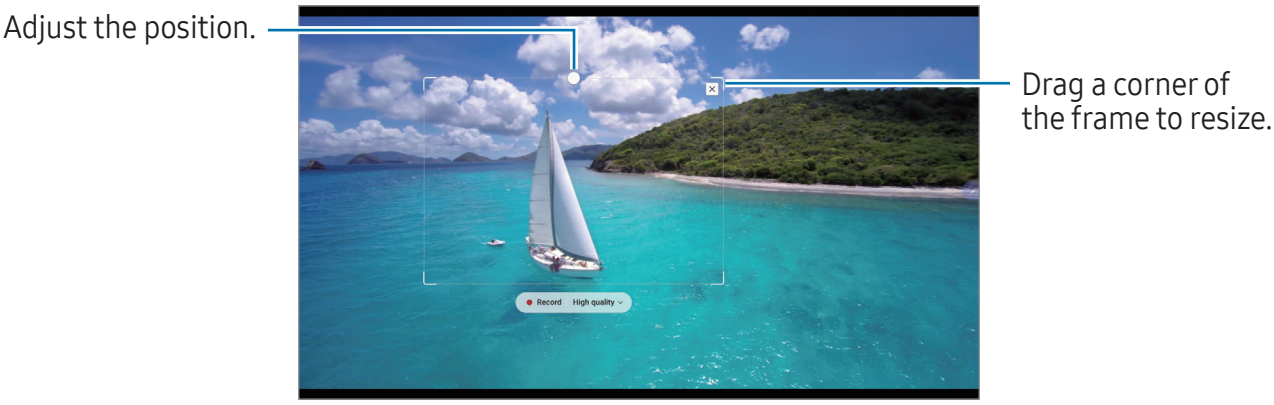
Capturing an area from a video

While playing a video, select an area and capture it as a GIF.

1 When there is content you want to capture during video playback, open the Air command panel and tap **Smart select**.

2 On the toolbar, tap .

3 Adjust the position and size of the capturing area.



4 Tap **Record** to start capturing.

- Before capturing a video, make sure that the video is playing.
- The maximum duration you can capture an area of the video for will be displayed on the screen.
- When capturing an area from a video, its sound will not be recorded.

5 Tap **Stop** to stop capturing.

6 Select an option to use with the selected area.
- **Pin**: Pin the selected area to the screen. You can also insert the GIF into other apps, such as **Samsung Notes**. Drag the GIF to the other app's screen.
- **Copy**: Copy and paste the selected area into another app or other devices signed in to your Samsung account.
- : Write or draw on the selected area. Tap to check the result before saving the file.
- : Share the selected area with others.
- : Save the selected area in **Gallery**.

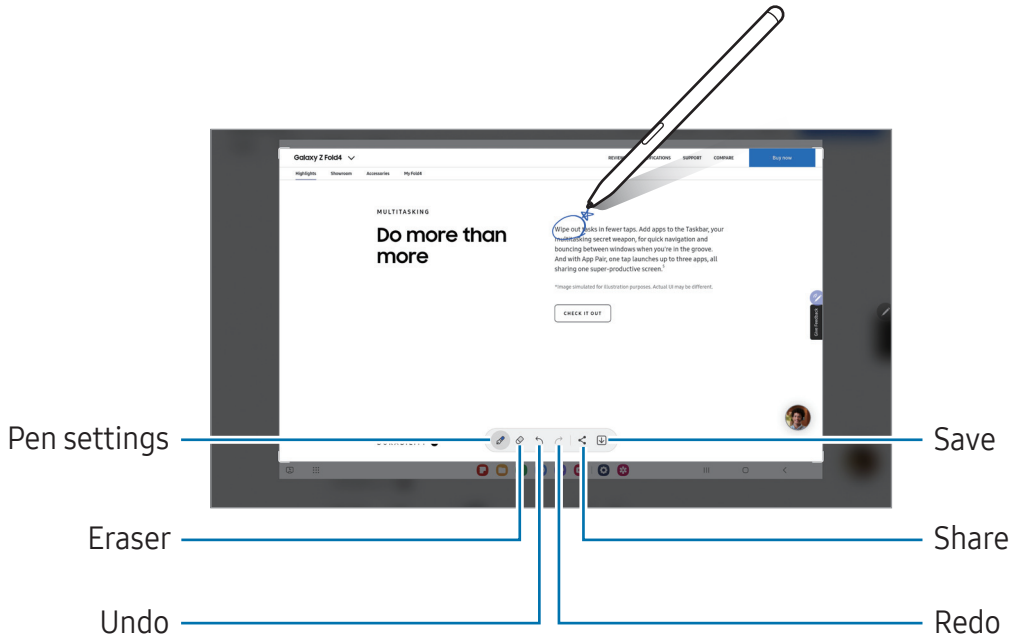
Screen write

Capture screenshots to write or draw on them or crop an area from the captured image.

1 When there is content you want to capture, open the Air command panel and tap **Screen write**.

The current screen is automatically captured and the editing toolbar appears.

2 Write a memo on the screenshot.



3 Share or save the screenshot.

You can check the captured screenshots in **Gallery**.

It is not possible to capture a screenshot while using some apps.

Live messages

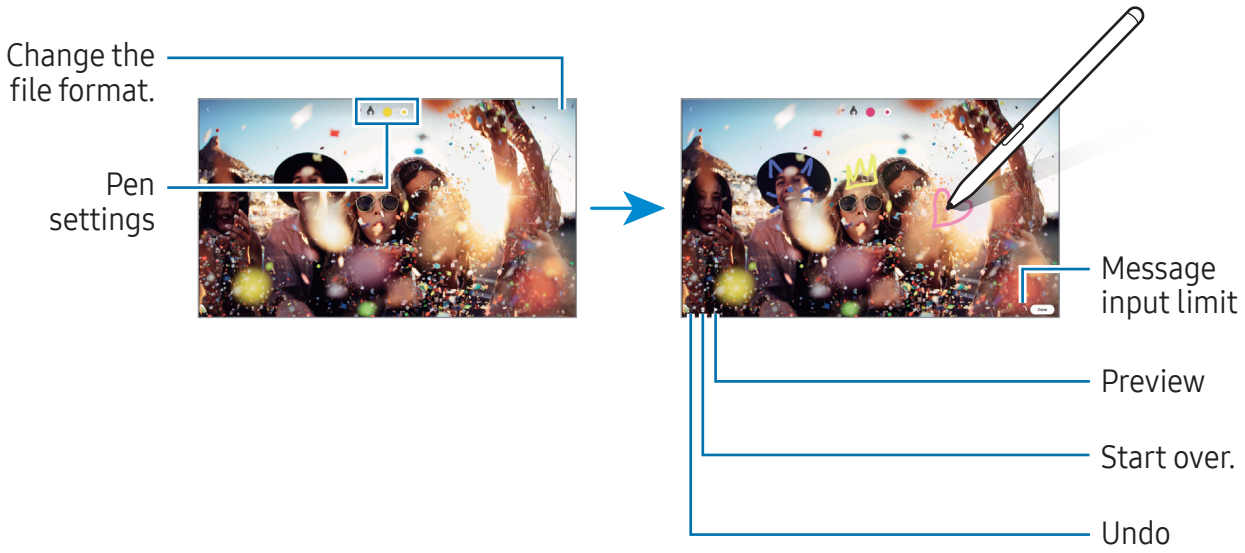
(Recording and sending the message creation process)

Instead of a text message, create and send a unique message by recording your actions while handwriting or drawing a live message and saving it as an animated file.

1 When you want to send an animated message, open the Air command panel and tap **Live messages**.

2 Customise background image and tap **Done** or **Start drawing**.

3 Write or draw on the live message screen.



4 Tap **Done**.
The live message will be saved in **Gallery** as a GIF or a video.

5 Tap **Share** and select a method.

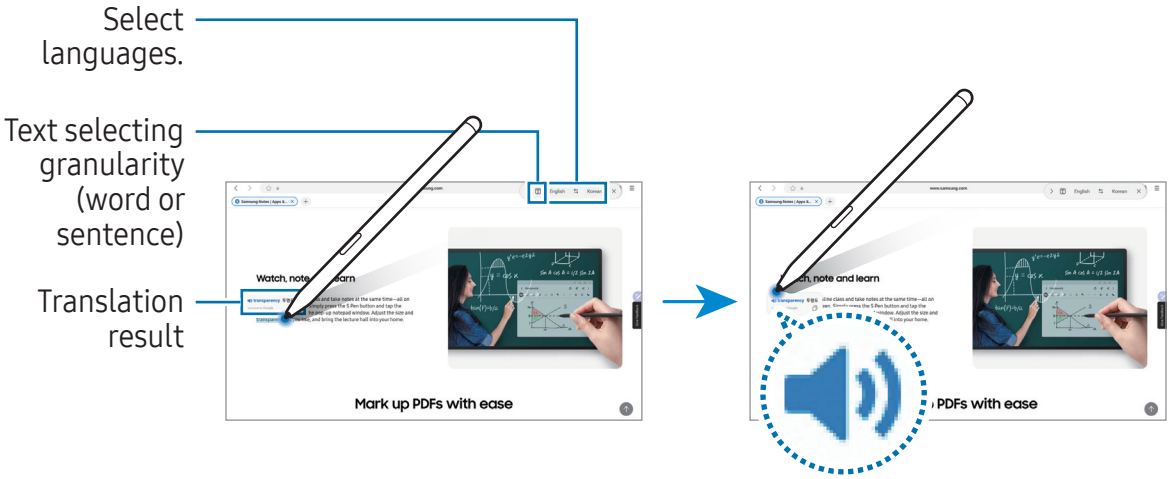
Translate

Hover the S Pen over the text you want to translate. The units included in the text will also be converted.

1 When there is text you want to translate, open the Air command panel and tap **Translate**.

2 Select the languages on the translator panel at the top of the screen.
You can change the text between words and sentences by tapping Ⓣ or ☰.

3 Hover the S Pen over the text you want to translate or the unit you want to convert.
The translated text will appear. To listen to the pronunciation of the original text, tap 🔊. The 🔊 icon may not appear depending on the language you select.



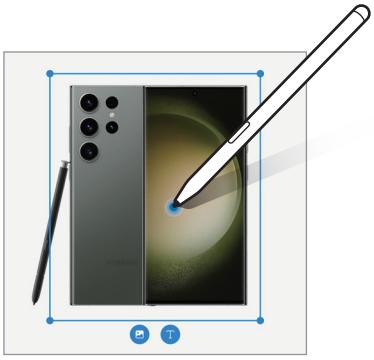
- This feature does not support some languages.
- This feature is available only when detectable text is on the screen.

Bixby Vision

When you hover the S Pen over the content, the content is recognised and available search icons will appear. Use the features to search for similar images, detect and translate text, and more. Refer to Bixby Vision for more information.

1 When there is an image you want to search for relevant information or extract text from, open the Air command panel and tap **Bixby Vision**.

2 Hover the S Pen over the content you want. When the available options appear on the screen, select an option you want.



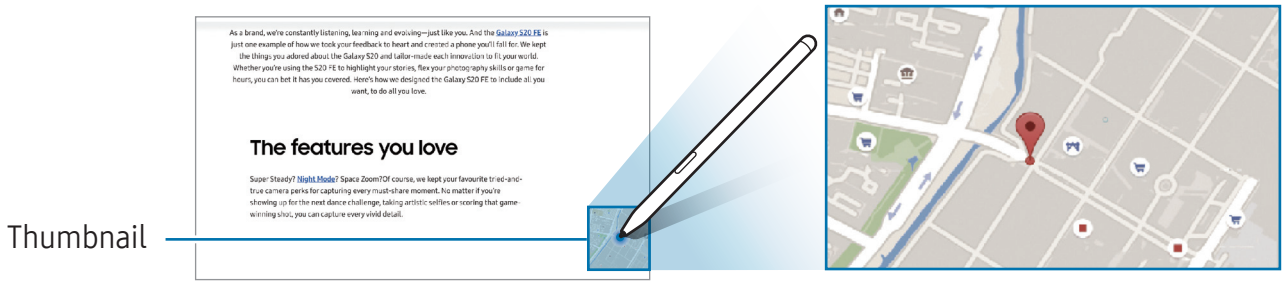
Glance

Reduce an app to a thumbnail and hover the S Pen over the thumbnail to open the app in full screen.

For example, open a map app, open the Air command panel, and then tap **Glance**. The app will be reduced to a thumbnail at the bottom of the screen. While browsing webpages, hover the S Pen over the thumbnail to open the map app on the full screen and search for places.

Hover the S Pen away from the screen to reduce the app to a thumbnail again.

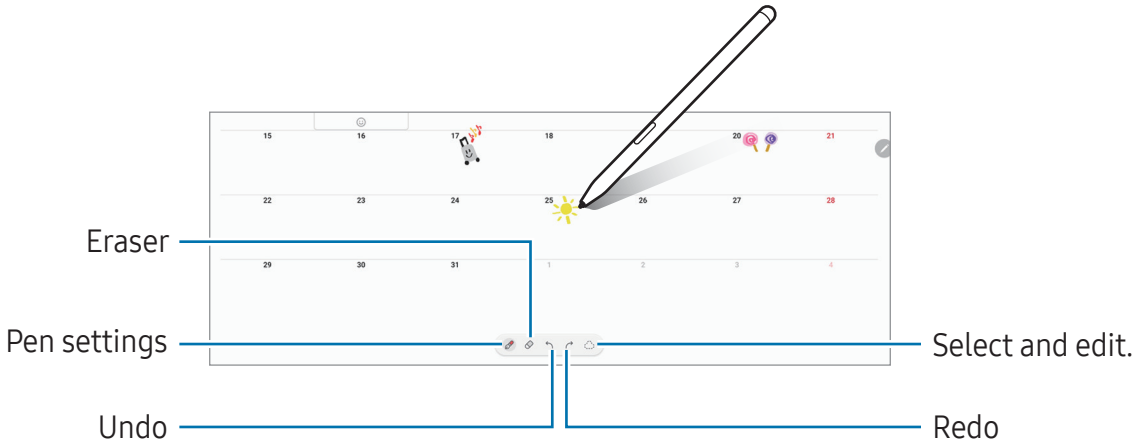
To close the minimised app, drag the thumbnail to **Remove** at the top of the screen.



Write on calendar

Fill in your plans by writing or drawing on the calendar screen.

Open the Air command panel, tap **Write on calendar**, and then fill in your plans on the calendar. When you are finished, tap **Save**. To edit it, tap ✎.



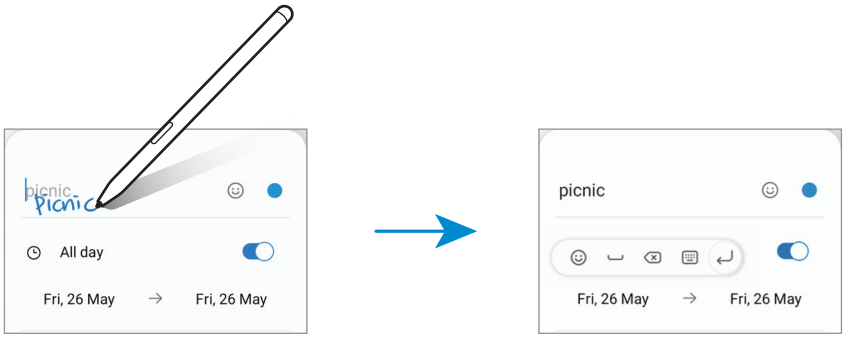
S Pen to text

You can set the device to convert anything you write with the S Pen into text.

1 Open **Settings**, tap **Advanced features** → **S Pen** → **S Pen to text**, and then tap the switch to turn it on.

To learn about how to edit text with the S Pen, tap **How to edit**.

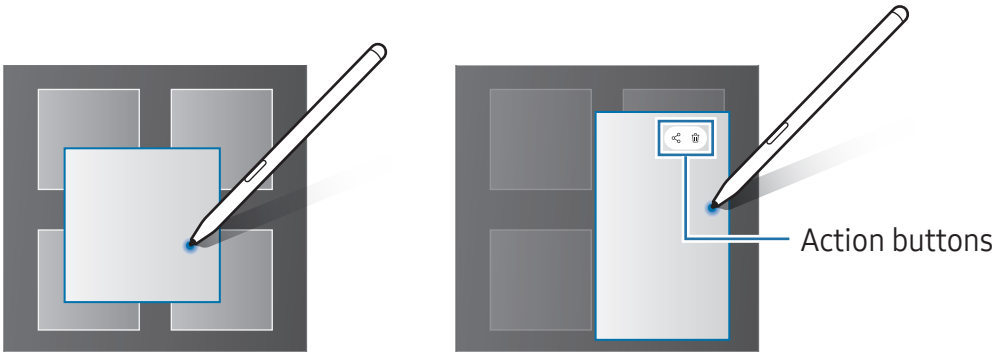
2 Write in a text input field, such as a search field or address bar, using the S Pen. The handwriting will be converted to text.



Air view

Hover the S Pen over an item on the screen to preview content or access information in a pop-up window.

In some apps, Action buttons will be displayed on the preview window.

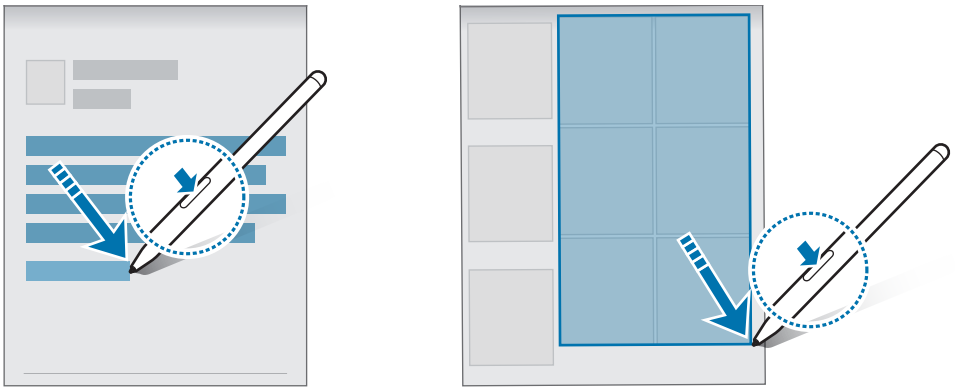


If this feature is not turned on, open **Settings**, tap **Advanced features** → **S Pen**, and then tap the **Air view** switch to turn it on.

Pen Select

(Selecting items quickly with the S Pen)

While pressing and holding the S Pen button, drag the S Pen over text or item lists to select multiple items or text. You can also copy and paste the selected items or text into another app or share them with others.



Screen off memos

You can create memos by writing on the screen without turning on it.

When the screen is off, hover the S Pen over the screen and press the S Pen button.

When you tap **Save** or reattach the S Pen to the S Pen charger after writing a memo, the memo will be saved to **Samsung Notes**.

If this feature is not turned on, open **Settings**, tap **Advanced features** → **S Pen**, and then tap the **Screen off memos** switch to turn it on.

Unlocking the screen using the S Pen

If the screen is locked while the S Pen is connected, you can unlock the screen by pressing the S Pen button.

1 Open **Settings** and tap **Advanced features** → **S Pen** → **More S Pen settings**.

2 Tap the **S Pen unlock** switch to turn it on.
Now you can unlock the screen by pressing the S Pen button.

- The **S Pen unlock** feature is available only when the screen lock method is set.
- To use this feature, the S Pen must be connected to your device.

Phone

Introduction

Make or answer voice and video calls.

You can use calling and messaging features on your tablet with your phone number using the **Call & text on other devices** feature. On your tablet and phone, open **Settings**, tap **Connected devices**, and then tap the **Call & text on other devices** switch to turn it on. You must register and sign in to the same Samsung account on the tablet and phone. Some calling and messaging features may not be available.

Making calls

1 Open the **Phone** app and tap **Keypad**.

2 Enter a phone number.

3 Tap to make a voice call, or tap or to make a video call.

Making calls from call logs or contacts list

Open the **Phone** app, tap **Recents** or **Contacts**, and then swipe to the right on a contact or a phone number to make a call.

If this feature is turned off, tap ⋮ → **Settings** → **Other call settings**, and then tap the **Swipe to call or text** switch to turn it on.

Using speed dial

To set a number to speed dial, open the **Phone** app, tap **Keypad** → ⋮ → **Speed dial numbers**, select a speed dial number, and then add a phone number.

To make a call, touch and hold a speed dial number on the keypad. For speed dial numbers 10 and up, tap the first digit(s) of the number, and then touch and hold the last digit.

For example, if you set the number **123** as a speed dial number, tap **1**, tap **2**, and then touch and hold **3**.

Making an international call

1 Open the **Phone** app and tap **Keypad**.

2 Touch and hold **0** until the **+** sign appears.

3 Enter the country code, area code, and phone number, and then tap .

Receiving calls

Answering a call

When a call comes in, drag outside the large circle.

Rejecting a call

When a call comes in, drag outside the large circle.

To send a message when rejecting an incoming call, drag the **Send message** bar upwards and select a message to send.

To create various rejection messages, open the **Phone** app, tap ⋮ → **Settings** → **Quick decline messages**, enter a message, and then tap +.

Blocking phone numbers

Block calls from specific numbers added to your block list.

Open the **Phone** app, tap ⋮ → **Settings** → **Block numbers**, and then select contacts or phone numbers to save in the blocked numbers list.

When blocked numbers try to contact you, you will not receive notifications. The calls will be logged in the call log.

You can also block incoming calls from people that do not show their caller ID. Tap the **Block calls from unknown numbers** switch to turn the feature on.

Options during calls

- **Add call**: Dial a second call. The first call will be put on hold. When you end the second call, the first call will be resumed.
- **Hold call**: Hold a call.
- **Video call**: Switch to a video call.
- **Bluetooth**: Switch to a Bluetooth headset if it is connected to the device.
- **Mute**: Turn off the microphone so that the other party cannot hear you.
- **Keypad** / **Hide**: Open or close the keypad.
- : End the current call.
- : During a video call, switch to a voice call.
- : Set the device to change the angle and zoom automatically by recognising and tracking people during a video call.
- : During a video call, lock the screen.
- **Effects**: During a video call, apply various effects.
- **Camera**: During a video call, turn off the camera so that the other party cannot see you.
- **Switch**: During a video call, switch between the front and rear cameras.

Some features may not be available depending on the carrier or model.

Contacts

Introduction

Create new contacts or manage contacts on the device.

Adding contacts

Creating a new contact

1 Open the **Contacts** app and tap +.

2 Select a storage location.

3 Enter contact information and tap **Save**.

Importing contacts

Add contacts by importing them from other storages to your device.

1 Open the **Contacts** app and tap ☰ → **Manage contacts** → **Import contacts**.

2 Follow the on-screen instructions to import contacts.

Syncing contacts with your web accounts

Sync your device contacts with online contacts saved in your web accounts, such as your Samsung account.

1 Open **Settings**, tap **Accounts and backup** → **Manage accounts** and select the account to sync with.

2 Tap **Sync account** and tap the **Contacts** switch to turn it on.

Searching for contacts

Open the **Contacts** app. Tap 🔍 at the top of the contacts list and enter search criteria.

Tap the contact. Then take one of the following actions:

- : Make a voice call.
- : Compose a message.
- / : Make a video call.
- : Compose an email.

Deleting contacts

1 Open the **Contacts** app and tap ⋮ → **Edit**.

2 Select contacts and tap **Delete**.

To delete contacts one by one, tap a contact from the contacts list and tap **More** → **Delete**.

Sharing contacts

You can share contacts with others by using various sharing options.

1 Open the **Contacts** app and tap ⋮ → **Edit**.

2 Select contacts and tap **Share**.

3 Select a sharing method.

Creating groups

You can add groups, such as family or friends, and manage contacts by group.

1 Open the **Contacts** app and tap ☰ → **Groups** → **Create group**.

2 Follow the on-screen instructions to create a group.

Merging duplicate contacts

If your contacts list includes duplicate contacts, merge them into one to streamline your contacts list.

1 Open the **Contacts** app and tap ☰ → **Manage contacts** → **Merge contacts**.

2 Tick contacts and tap **Merge**.

Messages

Introduction

Send and check messages by conversation.

You may incur additional charges for sending or receiving messages when you are roaming.

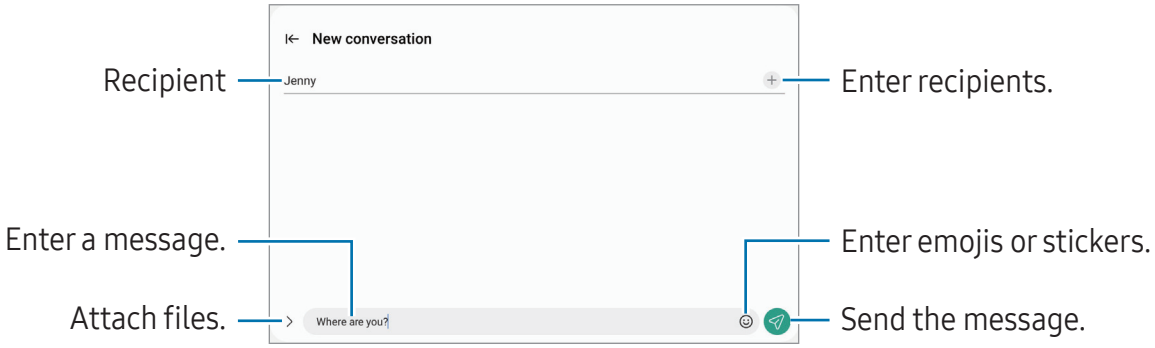
You can use calling and messaging features on your tablet with your phone number using the **Call & text on other devices** feature. On your tablet and phone, open **Settings**, tap **Connected devices**, and then tap the **Call & text on other devices** switch to turn it on. You must register and sign in to the same Samsung account on the tablet and phone. Some calling and messaging features may not be available.

Sending messages

1 Open the **Messages** app and tap .

2 Add recipients and enter a message.
To record and send a voice message, touch and hold , and say your message. The recording icon appears only while the message input field is empty.

3 Tap to send the message.



Checking messages

1 Open the **Messages** app and tap **Conversations**.

2 On the messages list, select a contact or a phone number.

- To reply to the message, tap the message input field, enter a message, and then tap .
- To adjust the font size, spread two fingers apart or pinch on the screen.

Sorting messages

You can sort messages by category.

Open the **Messages** app and tap **Conversations** → +.

If the category option does not appear, tap ⋮ → **Settings** and tap the **Conversation categories** switch to turn it on.

Deleting messages

Touch and hold a message to delete, then tap **Delete**.

Changing message settings

Open the **Messages** app, tap ⋮ → **Settings**. You can block unwanted messages, change notification settings, and more.

Camera

Introduction

Take pictures and record videos using various modes and settings.

Camera etiquette

- Do not take pictures or record videos of other people without their permission.
- Do not take pictures or record videos where legally prohibited.
- Do not take pictures or record videos in places where you may violate other people's privacy.

Taking pictures

1 Open the **Camera** app.

You can also open the app by pressing the Side button twice or dragging to the left on the locked screen.

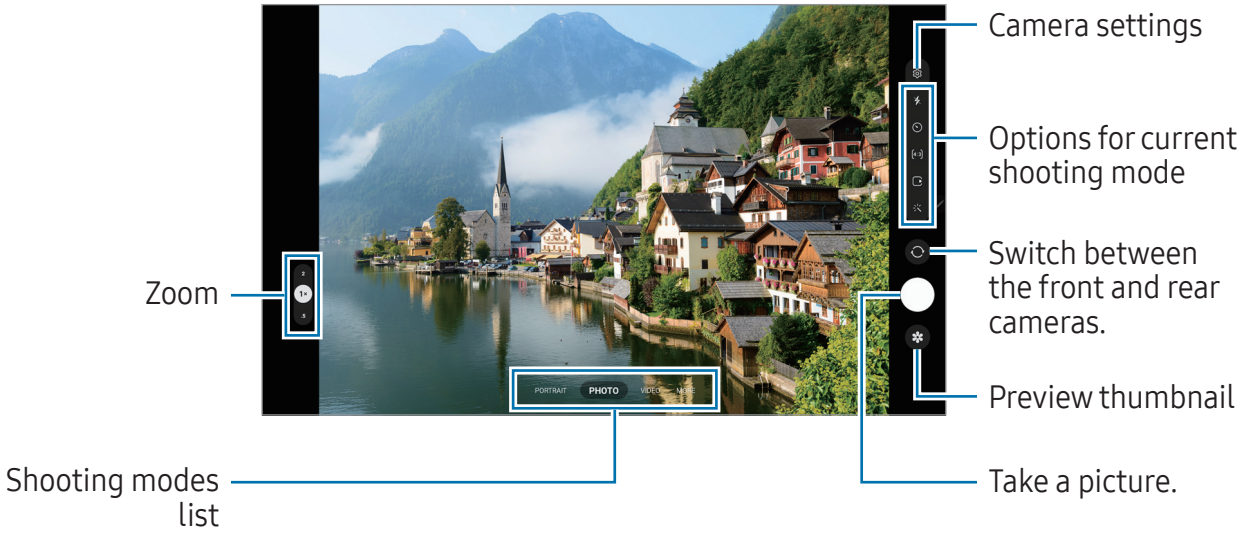
- Some camera features are not available when you open the **Camera** app from the locked screen or when the screen is turned off while the screen lock method is set.
- The camera automatically shuts off when unused.
- Some methods may not be available depending on the carrier or model.

2 Tap the image on the preview screen where the camera should focus.

To adjust the brightness of pictures, drag the adjustment bar that appears above or below the circular frame.

3 Tap to take a picture.

To change the shooting mode, drag the shooting modes list to the left or right, or swipe to the left or right on the preview screen.



- The preview screen may vary depending on the shooting mode and which camera is being used.
- The focus may not be clear if the subject is close. Take pictures or videos from a good distance.
- If pictures you take appear blurry, clean the camera lens and try again.
- Make sure that the lens is not damaged or contaminated. Otherwise, the device may not work properly in some modes that require high resolutions.
- Your device's camera features a wide-angle lens. Minor distortion may occur in wide-angle pictures or videos and does not indicate device performance problems.
- The maximum capacity for recording a video may vary depending on the resolution.
- The camera may fog up or form condensation if the device is exposed to sudden changes in air temperature, because of the difference in temperature outside and inside the camera cover. Try to avoid such conditions when planning to use the camera. If fogging does occur, allow the camera to dry naturally at room temperature before taking pictures or recording videos, otherwise results may look blurry.

Using zoom features

Select **0.5x**/**1x**/**2x** or drag it to the left or right to zoom in or out. Alternatively, spread two fingers apart on the screen to zoom in, and pinch to zoom out.

► SM-X510, SM-X516B:

- **1x**: Take basic pictures or record normal videos.
- **2x**: Take pictures or record videos by enlarging the subject.

► SM-X610, SM-X616B:

- **0.5x**: You can take wide-angle pictures and record wide-angle videos of landscapes with the Ultra wide camera.
- **1x**: Take pictures and record video with normal proportions using the wide-angle camera.
- **2x**: Take pictures and record videos with enlarged subjects using the telephoto camera.

Zoom features are available only when using the rear camera.

Locking the focus (AF) and exposure (AE)

You can lock the focus or exposure on a selected area to prevent the camera from automatically adjusting based on changes to the subjects or light sources.

Touch and hold the area to focus, the AF/AE frame will appear on the area and the focus and exposure setting will be locked. The setting remains locked even after you take a picture.

This feature may not be available depending on the shooting mode.

Using the camera button

- Touch and hold the camera button to record a video.
- To take burst shots, swipe the camera button to the edge of the screen and hold it.
- If you add another camera button, you can move it anywhere on the screen and take pictures more conveniently. On the preview screen, tap ⚙ → **Shooting methods** and tap the **Floating Shutter button** switch to turn it on.

Options for current shooting mode

On the preview screen, use the following options.

- : Turn the flash on or off.
- : Select the length of the delay before the camera automatically takes a picture.
- 4:3 : Select an aspect ratio for pictures.
- : Turn the motion photo feature on or off. If you turn it on, a video clip will also be taken from a few seconds before tapping the camera button.
- : Change the recording time for hyperlapse videos.
- : Select a frame rate for hyperlapse videos.
- 16:9 : Select an aspect ratio for videos.
- FHD 30 : Select a resolution for videos.
- : Apply a filter effect or beauty effects.

- : Select a metering method. This determines how light values are calculated. **Centre-weighted metering** uses the light in the centre portion of the shot to calculate the exposure of the shot. **Matrix metering** averages the entire scene. **Spot metering** uses the light in a concentrated centre area of the shot to calculate the exposure of the shot.
- : In **FOOD** mode, focus on a subject inside the frame and blur the image outside the frame.
- : In **FOOD** mode, adjust the colour temperature.
- : Customise the shooting options when taking single take shots.

The available options may vary depending on the model or shooting mode.

Photo mode

The camera adjusts the shooting options automatically depending on the surroundings.

On the shooting modes list, tap **PHOTO** and tap to take a picture.

Shot suggestions

The camera suggests the ideal composition for the picture by recognising the position and angle of your subject.

On the preview screen, tap ⚙ and tap the **Shot suggestions** switch to turn it on.

1 On the shooting modes list, tap **PHOTO**.
A guide will appear on the preview screen.

2 Point the guide at the subject.
The camera recognises the composition, and the recommended composition appears on the preview screen.

3 Move the device so the guide matches the recommended composition.
When the ideal composition is achieved, the guide will change to yellow.

4 Tap ◯ to take a picture.

Taking selfies

You can take self-portraits with the front camera.

1 On the preview screen, swipe upwards or downwards, or tap ⟲ to switch to the front camera for self-portraits.

2 Face the front camera lens.
To take self-portraits with a wide-angle shot of the landscape or people, tap 👥.

3 Tap ◯ to take a picture.

Applying filter and beauty effects

You can select a filter effect and modify facial features, such as your skin tone or face shape, before taking a picture.

1 On the preview screen, tap .

2 Select effects and take a picture.
If you tap , you can download filters from **Galaxy Store**, or you can create your own filter using an image with a colour tone you like from **Gallery**.

Video mode

The camera adjusts the shooting options automatically depending on the surroundings.

1 On the shooting modes list, tap **VIDEO** and tap to record a video.

- To switch between the front and rear cameras while recording, swipe upwards or downwards on the preview screen or tap .
- To capture an image from the video while recording, tap .

2 Tap to stop recording the video.

The optical zoom may not work in low-light environments.

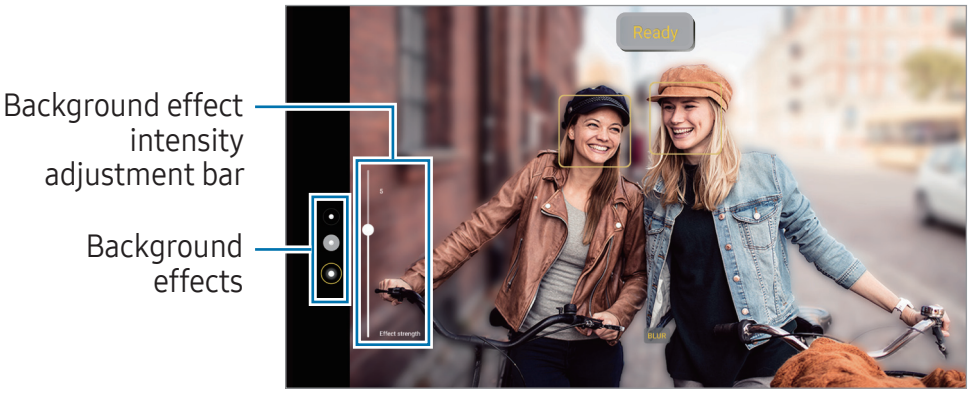
Portrait mode / Portrait video mode

By using Portrait mode or Portrait video mode, you can capture pictures or videos where the background is blurred and the subject stands out clearly. You can also apply a background effect and edit it after taking a picture.

1 On the shooting modes list, tap **PORTRAIT** or tap **MORE** → **PORTRAIT VIDEO**.

2 Tap ◉ and select a background effect you want.
To adjust the intensity of the background effect, drag the adjustment bar.

3 When **Ready** appears on the preview screen, tap ◯ to take a picture or tap ⊙ to record a video.



- The available options may vary depending on the shooting mode.
- Use this feature in a place that has sufficient light.
- The background blur may not be applied properly in the following conditions:
  - The device or the subject is moving.
  - The subject is thin or transparent.
  - The subject has a similar colour to the background.
  - The subject or background is plain.

Pro mode / Pro video mode

Capture pictures or videos while manually adjusting various shooting options, such as exposure value and ISO value.

On the shooting modes list, tap **MORE** → **PRO** or **PRO VIDEO**. Select options and customise the settings, and then tap ◯ to take a picture or tap ● to record a video.

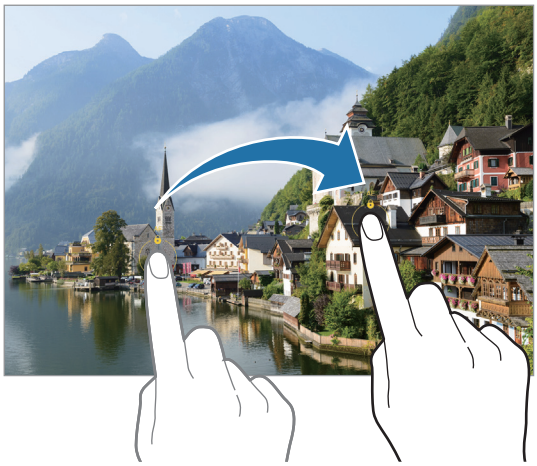
Available options

- **WB**: Select an appropriate white balance, so images have a true-to-life colour range. You can set the colour temperature.
- **EV**: Change the exposure value. This determines how much light the camera's sensor receives. For low-light situations, use a higher exposure.
- **ISO**: Select an ISO value. This controls camera light sensitivity. Low values are for stationary or brightly lit objects. Higher values are for fast-moving or poorly lit objects. However, higher ISO settings can result in noise in pictures or videos.

Separating the focus area and the exposure area

You can separate the focus area and the exposure area.

Touch and hold the preview screen. The AF/AE frame will appear on the screen. Drag the frame to the area where you want to separate the focus area and the exposure area.



Single take mode

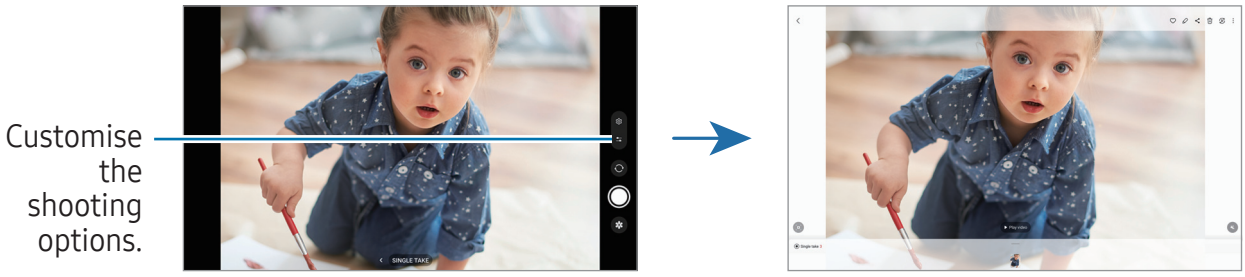
Take various pictures and videos in one shot.

Your device automatically selects the best shot and creates pictures with filters or videos with certain sections repeated.

1 On the shooting modes list, tap **MORE** → **SINGLE TAKE**.

2 Tap ◯ to capture the scene you want.

3 When you are finished, tap the preview thumbnail.
To check other results, drag the — icon upwards. To save the results individually, tap **Select**, tick the items you want, and then tap ⭳.



Night mode

Take a picture in low-light conditions, without using the flash. When you use a tripod, you can get brighter and steadier results.

1 On the shooting modes list, tap **MORE** → **NIGHT**.

2 Tap ◯ and hold your device steady until shooting is complete.

Food mode

Take pictures of food with more vibrant colours.

1 On the shooting modes list, tap **MORE** → **FOOD**.
A frame will appear on the screen and the area outside the frame will be blurred.

2 To resize the frame, drag a corner of the frame.
Tap the area you want or drag the frame to move it.

3 Tap and drag the adjustment bar to adjust the colour temperature.

4 Tap to take a picture.

Panorama mode

Using panorama mode, take a series of pictures and then stitch them together to create a wide scene.

1 On the shooting modes list, tap **MORE** → **PANORAMA**.

2 Tap and move the device slowly in one direction.
Keep the image within the frame on the camera's viewfinder. If the preview image is out of the guide frame or you do not move the device, the device will automatically stop taking pictures.

3 Tap to stop taking pictures.

Avoid taking pictures of indistinct backgrounds, such as an empty sky or a plain wall.

Hyperlapse mode

Record scenes, such as passing people or cars, and view them as fast-motion videos.

1 On the shooting modes list, tap **MORE** → **HYPERLAPSE**.

2 Tap and select a frame rate option.
If you set the frame rate to , the device will automatically adjust the frame rate according to the changing rate of the scene.

3 Tap to start recording.

4 Tap ■ to finish recording.

Customising camera settings

On the preview screen, tap . Some options may not be available depending on the shooting mode.

Intelligent features

- **Scene optimiser**: Set the device to adjust the colour settings and apply the optimised effect automatically depending on the subject or scene.
- **Shot suggestions**: Set the device to suggest the ideal composition for the picture by recognising the position and angle of your subject.
- **Scan QR codes**: Set the device to scan QR codes from the preview screen.

Pictures

- **Swipe Shutter button to**: Select an action to perform when you swipe the camera button to the edge of the screen and hold it.
- **Watermark**: Add a watermark in the bottom left corner when taking pictures.
- **High efficiency pictures**: Take pictures in the High Efficiency Image Format (HEIF).

Selfies

- **Save selfies as previewed**: Set the device to save pictures as they appear on the preview screen when taken with the front camera without flipping them.

Videos

- **Video stabilisation**: Turn on anti-shake to reduce or eliminate blurry image resulting from camera shake while recording a video.
- **Advanced video options**: Set the device to use an advanced recording option.
  - **High efficiency videos**: You can record videos in the High Efficiency Video Codec (HEVC) format. Your HEVC videos will be saved as compressed files to conserve the device's storage.
  - **360 audio recording**: You can record more immersive 3D sound videos using Bluetooth headphones that support the 360 audio recording feature.

- You might not be able to play the HEVC videos on other devices or share them online.
- You cannot record videos in the HEVC format in some shooting modes.

General

- **Auto HDR**: Take pictures with rich colours and reproduce details even in bright and dark areas.
- **Grid lines**: Display viewfinder guides to help composition when selecting subjects.
- **Location tags**: Attach a GPS location tag to the picture.

  - GPS signal strength may decrease in locations where the signal is obstructed, such as between buildings or in low-lying areas, or in poor weather conditions.
  - Your location may appear on your pictures when you upload them to the internet. To avoid this, turn off the location tag setting.

- **Shooting methods**: Select additional shooting methods for taking a picture or recording a video.
- **Settings to keep**: Keep the last settings you used, such as the shooting mode, when you open the camera.
- **Storage location**: Select a storage location. This feature will appear when you insert an SD card.

Privacy

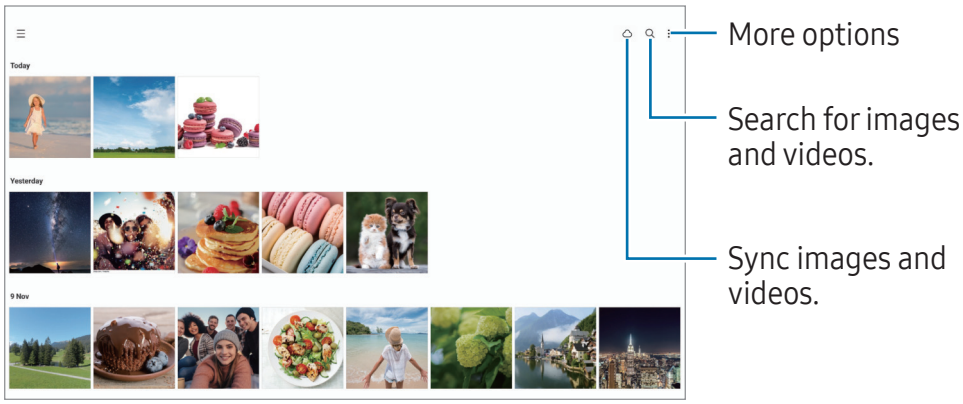
- **Privacy Notice**: Access the Privacy Notice.
- **Permissions**: Access the permissions required to use the Camera app.
- **Reset settings**: Reset the camera settings.
- **About Camera**: Check the Camera app version and legal information.
- **Contact us**: Ask questions or check out the frequently asked questions.

Some features may not be available depending on the model.

Gallery

Introduction

Access images and videos stored in your device. You can also manage images and videos by album or create stories.

Using Gallery

Open the **Gallery** app.