SAMSUNG

SM-T825
SM-T825Y

User Manual

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www.samsung.com

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Basics

Read me first

Please read this manual before using the device to ensure safe and proper use.

- Descriptions are based on the device's default settings.
- Some content may differ from your device depending on the region, service provider, model specifications, or device's software.
- Content (high quality content) that requires high CPU and RAM usage will affect the overall performance of the device. Apps related to the content may not work properly depending on the device's specifications and the environment that it is used in.
- Samsung is not liable for performance issues caused by apps supplied by providers other than Samsung.
- Samsung is not liable for performance issues or incompatibilities caused by edited registry settings or modified operating system software. Attempting to customise the operating system may cause the device or apps to work improperly.
- Software, sound sources, wallpapers, images, and other media provided with this device are licensed for limited use. Extracting and using these materials for commercial or other purposes is an infringement of copyright laws. Users are entirely responsible for illegal use of media.
- You may incur additional charges for data services, such as messaging, uploading and downloading, auto-syncing, or using location services depending on your data plan. For large data transfers, it is recommended to use the Wi-Fi feature.
- Default apps that come with the device are subject to updates and may no longer be supported without prior notice. If you have questions about an app provided with the device, contact a Samsung Service Centre. For user-installed apps, contact service providers.
- Modifying the device's operating system or installing softwares from unofficial sources may result in device malfunctions and data corruption or loss. These actions are violations of your Samsung licence agreement and will void your warranty.

- Be careful not to forget your unlock codes for the screen lock, accounts, and other security features. If you forget an unlock code, you will not be able to use the device if you do not reset it. Samsung is not responsible for any data loss or inconvenience caused by forgotten unlock codes.
- Depending on the region or model, some devices are required to receive approval from the Federal Communications Commission (FCC). If your device is approved by the FCC, you can view the FCC ID of the device. To view the FCC ID, launch the **Settings** app and tap **About tablet** → **Status**.
- Depending on the region, you can view the regulatory information on the device. To view the information, launch the **Settings** app and tap **About tablet** → **Regulatory information**.

Instructional icons



Warning: situations that could cause injury to yourself or others



Caution: situations that could cause damage to your device or other equipment



Notice: notes, usage tips, or additional information

Device overheating situations and solutions

When the device heats up while charging the battery

While charging, the device and the charger may become hot. During wireless charging or fast charging, the device may feel hotter to the touch. This does not affect the device's lifespan or performance and is in the device's normal range of operation. If the battery becomes too hot, the charger may stop charging.

Do the following when the device heats up:

- Disconnect the charger from the device and close any running apps. Wait for the device to cool down and then begin charging the device again.
- If the lower part of the device overheats, it could be because the connected USB cable is damaged. Replace the damaged USB cable with a new Samsung-approved one.
- When using a wireless charger, do not place foreign materials, such as metal objects, magnets, and magnetic stripe cards, between the device and the wireless charger.



The wireless charging or fast charging feature is only available on supported models.

When the device heats up during use

When you use features or apps that require more power or use them for extended periods, your device may temporarily heat up due to increased battery consumption. Close any running apps and do not use the device for a while.

The following are examples of situations in which the device may overheat. Depending on the functions and apps you use, these examples may not apply to your model.

- During the initial setup after purchase or when restoring data
- When downloading large files
- When using apps that require more power or using apps for extended periods
  - When playing high-quality games for extended periods
  - When recording videos for extended periods
  - When streaming videos while using the maximum brightness setting
  - When connecting to a TV
- While multitasking (or, when running many apps in the background)
  - When using Multi window
  - When updating or installing apps while recording videos
  - When downloading large files during a video call
  - When recording videos while using a navigation app
- When using large amount of data for syncing with the cloud, email, or other accounts
- When using a navigation app in a car while the device is placed in direct sunlight
- When using the mobile hotspot and tethering feature
- When using the device in areas with weak signals or no reception
- When charging the battery with a damaged USB cable
- When the device's multipurpose jack is damaged or exposed to foreign materials, such as liquid, dust, metal powder, and pencil lead
- When you are roaming

Do the following when the device heats up:

- Keep the device updated with the latest software.
- Conflicts between running apps may cause the device to heat up. Restart the device.
- Deactivate the Wi-Fi, GPS, and Bluetooth features when not using them.
- Close apps that increase battery consumption or that run in the background when not in use.
- Delete unnecessary files or unused apps.
- Decrease the screen brightness.
- If the device overheats or feels hot for a prolonged period, do not use it for a while. If the device continues to overheat, contact a Samsung Service Centre.

Device limitations when the device overheats

When the device heats up, the features and performance may be limited or the device may turn off to cool down. This feature is only available on supported models.

- If the device becomes hotter than usual, a device overheating message will appear. To lower the device's temperature, the screen brightness and the performance speed will be limited and battery charging will stop. Running apps will be closed and you will only be able to make emergency calls until the device cools down.
- If the device overheats or feels hot for a prolonged period, a power off message will appear. Turn off the device, and wait until it cools down.

Precautions for operating environment

Your device may heat up due to the environment in the following conditions. Use caution to avoid shortening the battery's lifespan, damaging the device, or causing a fire.

- Do not store your device in very cold or very hot temperatures.
- Do not expose your device to direct sunlight for extended periods.
- Do not use or store your device for extended periods in very hot areas, such as inside a car in the summertime.
- Do not place the device in any areas that may overheat, such as on an electric heating mat.
- Do not store your device near or in heaters, microwaves, hot cooking equipment, or high pressure containers.
- Never use a damaged charger or battery.

Package contents

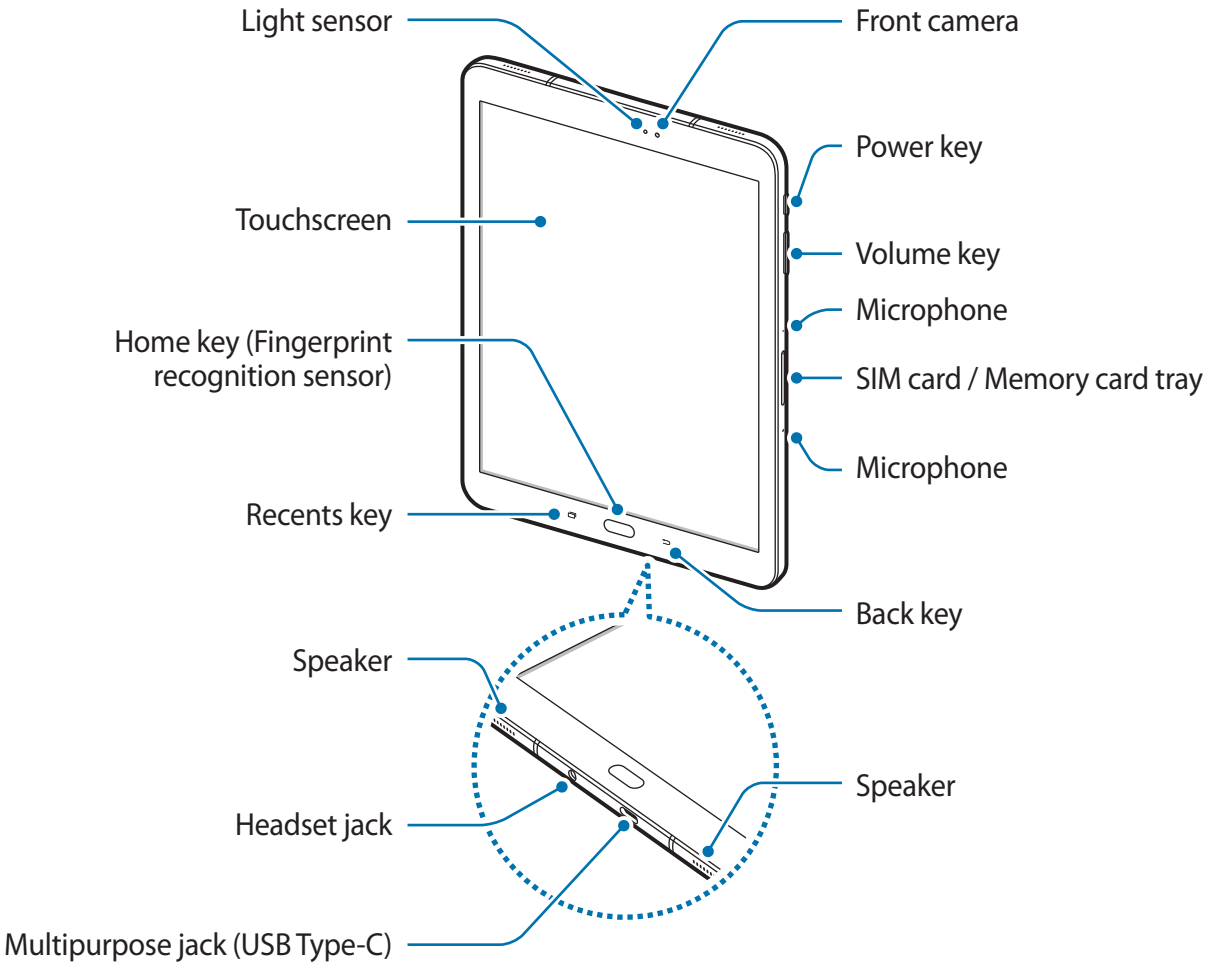
Check the product box for the following items:

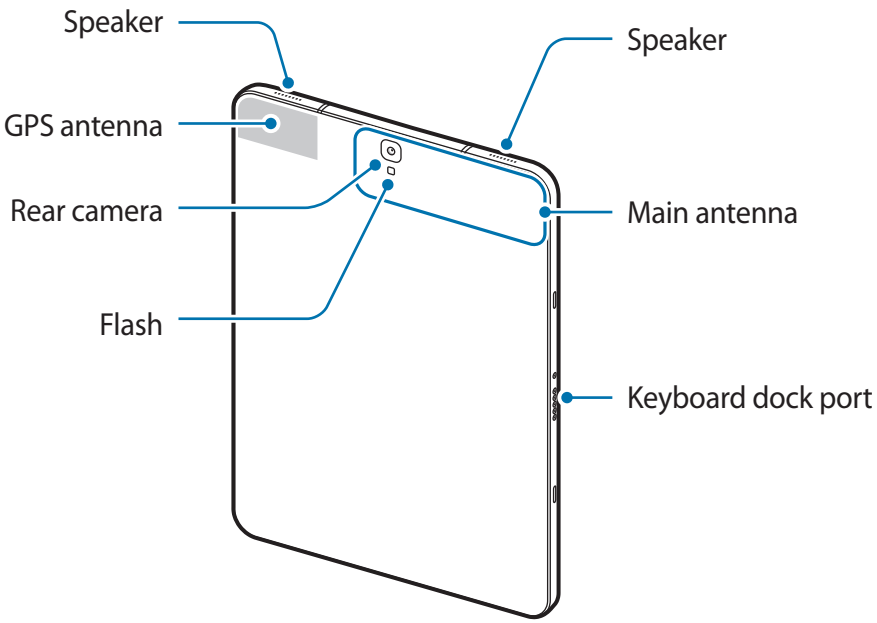
- Device
- S Pen
- Quick start guide

- The items supplied with the device and any available accessories may vary depending on the region or service provider.
- The supplied items are designed only for this device and may not be compatible with other devices.
- Appearances and specifications are subject to change without prior notice.
- You can purchase additional accessories from your local Samsung retailer. Make sure they are compatible with the device before purchase.
- Use only Samsung-approved accessories. Using unapproved accessories may cause the performance problems and malfunctions that are not covered by the warranty.
- Availability of all accessories is subject to change depending entirely on manufacturing companies. For more information about available accessories, refer to the Samsung website.

Device layout

Device





The device and the Keyboard Cover (sold separately) contain magnets. The American Heart Association (US) and the Medicines and Healthcare Products Regulatory Agency (UK) both warn that magnets can affect the operation of implanted pacemakers, cardioverters, defibrillators, insulin pumps or other electro medical devices (collectively, "Medical Device") within the range of 15 cm (6 inches). If you are a user of any of these Medical Devices, DO NOT USE THIS DEVICE AND THE KEYBOARD COVER (SOLD SEPARATELY) UNLESS YOU HAVE CONSULTED WITH YOUR PHYSICIAN.

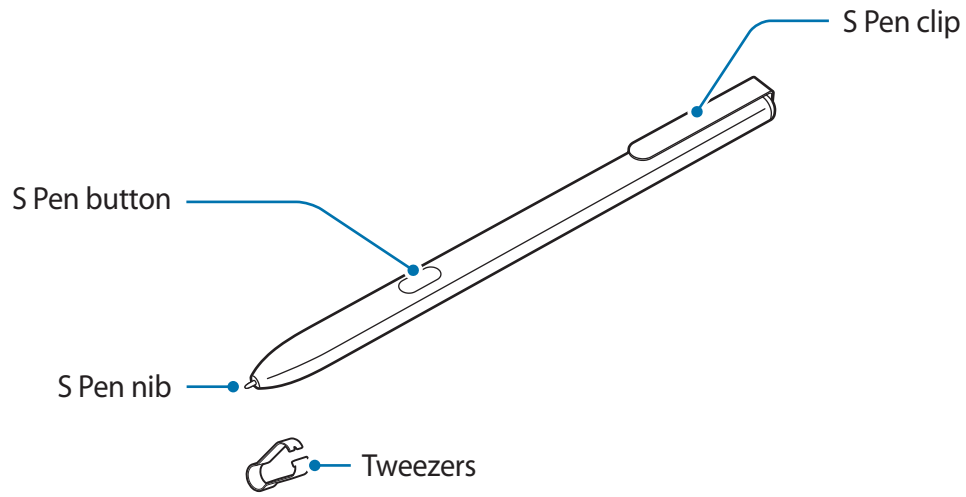
Do not store your device and the Keyboard Cover (sold separately) near magnetic fields. Magnetic stripe cards, including credit cards, phone cards, passbooks, and boarding passes, may be damaged by magnetic fields.

- 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
- Using a Samsung-approved screen protector is recommended. Unapproved screen protectors may cause the sensors to malfunction.
- Do not allow water to contact the touchscreen. The touchscreen may malfunction in humid conditions or when exposed to water.

Keys

Key	Function
Power	• Press and hold to turn the device on or off. • Press to turn on or lock the screen.
Recents	• Tap to open the list of recent apps.
Home	• Press to turn on the screen while the screen is locked. • Press to return to the Home screen. • Press and hold to launch **Google**.
Back	• Tap to return to the previous screen. • Tap and hold to access additional options for the current screen.
Volume	• Press to adjust the device volume.

S Pen

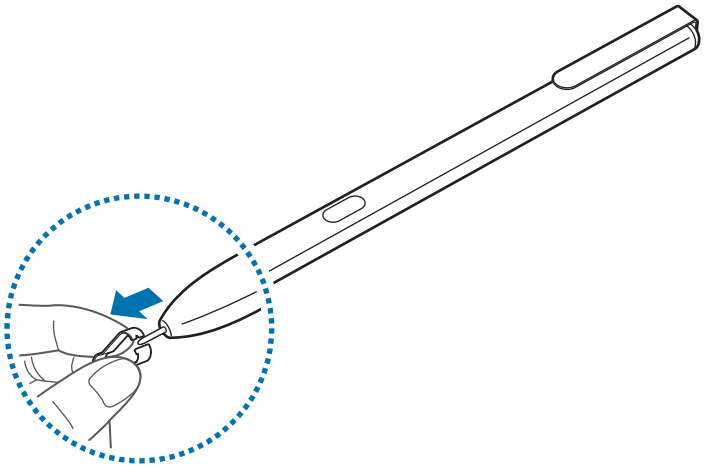


Name	Functions
S Pen nib	• Use the S Pen to write, draw, or perform touch actions on the screen. The Recents key and the Back key can be used with the S Pen. • Hover the S Pen over items on the screen to access additional S Pen features, such as the Air view feature.
S Pen button	• Hover the S Pen over the screen and press the S Pen button to display the Air command features. • While pressing and holding the S Pen button, drag the S Pen over items to select them.
Tweezers	• Remove the S Pen nib with the tweezers when replacing the nib.

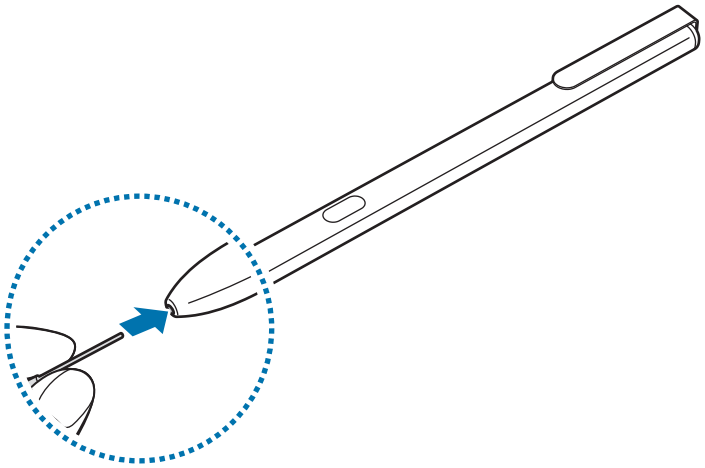
Replacing the S Pen nib

If the nib is dull, replace it with a new one.

1 Firmly hold the nib with the tweezers and remove it.



2 Insert a new nib into the S Pen.



Be careful not to pinch your fingers with the tweezers.

- Do not reuse old nibs. Doing so may cause the S Pen to malfunction.
- Do not press the nib excessively when inserting the nib into the S Pen.
- Do not insert the round end of the nib into the S Pen. Doing so may cause damage to the S Pen or your device.
- 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.
- The S Pen may not be attached firmly if you clip it on the objects that are too thick or too thin.

- If you use the S Pen at sharp angles on the screen, the device may not recognise the S Pen actions.
- The Recents key and the Back key can be used with the S Pen.
- For more information about the S Pen, visit the Samsung website.
- If the S Pen is not working properly, take it to a Samsung Service Centre.

Battery

Charging the battery

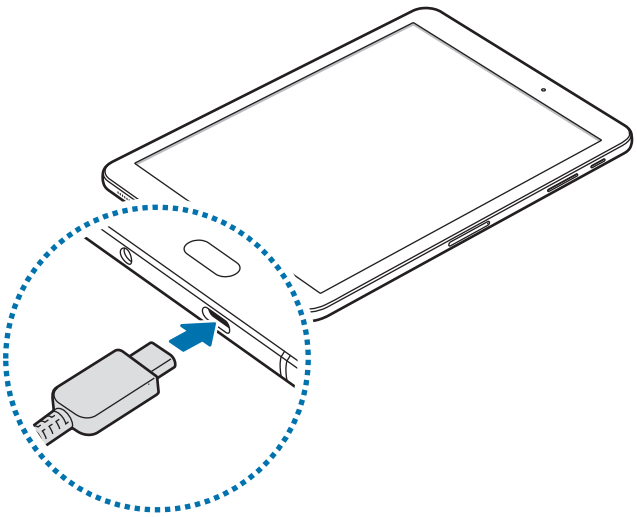
Charge the battery before using it for the first time or when it has been unused for extended periods.

Use only Samsung-approved chargers, batteries, and cables. Unapproved chargers or cables can cause the battery to explode or damage the 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.

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.

1 Connect the USB cable to the USB power adaptor, and plug the USB cable into the device's multipurpose jack.



2 Plug the USB power adaptor into an electric socket.

3 After fully charging, disconnect the device from the charger. First unplug the charger from the device, and then unplug it from the electric socket.

Reducing the battery consumption

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

- Optimise the device using the device maintenance feature.
- When you are not using the device, turn off the screen by pressing the Power key.
- Activate power saving mode.
- Close unnecessary apps.
- Deactivate the Bluetooth feature when not in use.
- Deactivate the Wi-Fi feature when not in use.
- Deactivate auto-syncing of apps that need to be synced, such as emails.
- Decrease the backlight time.
- Decrease the screen brightness.

Battery charging tips and precautions

- When the battery power is low, the battery icon appears empty.
- 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 due to 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 touchscreen 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 you charge the device while the multipurpose jack is wet, the device may be damaged. Thoroughly dry the multipurpose jack before charging the device.
- If the device is not charging properly, take the device and the charger to a Samsung Service Centre.

Fast charging

The device has a built-in fast charging feature. You can charge the battery more quickly while the device or its screen is turned off.

About Fast charging

- Fast charging uses battery charging technology that charges the battery faster by increasing the charging power. The device supports Samsung's Adaptive fast charging feature and Qualcomm Quick Charge 2.0.
- To use Fast charging on your device, connect it to a battery charger that supports Adaptive fast charging or Quick Charge 2.0.

Increasing the charging speed

To increase the charging speed, turn the device or its screen off when you charge the battery. While charging the battery when the device is turned off, the ⚡ icon appears on the screen.

If the fast charging feature is not activated, launch the **Settings** app, tap **Device maintenance** → **Battery** → ⋮ → **Advanced settings**, and then tap the **Fast cable charging** switch to activate it.

- You cannot use the built-in fast charging feature when you charge the battery using a standard battery charger.
- If the device heats up or the ambient air temperature rises, the charging speed may decrease automatically. This is a normal operating condition to prevent damage to the device.

Power saving mode

Activate power saving mode to extend the battery's usage time.

1 Launch the **Settings** app and tap **Device maintenance** → **Battery** → **MID**.

2 Tap **DETAILS** to change the power saving settings before entering power saving mode.

3 Tap **APPLY**.

Maximum power saving mode

In maximum power saving mode, the device decreases battery consumption by applying the dark theme and limiting the apps and features available. Network connections, except for the mobile network, will be deactivated.

1 Launch the **Settings** app and tap **Device maintenance** → **Battery** → **MAX**.

2 Tap **DETAILS** to change the power saving settings before entering maximum power saving mode.

3 Tap **APPLY**.

After entering maximum power saving mode, on the Home screen, tap ⊕ and select an app to use. To remove apps, tap ⋮ → **Edit** and select an app with ⊖.

To deactivate maximum power saving mode, tap ⋮ → **Turn off Maximum power saving mode**.

The estimated battery usage time may vary depending on your device settings and operating conditions.

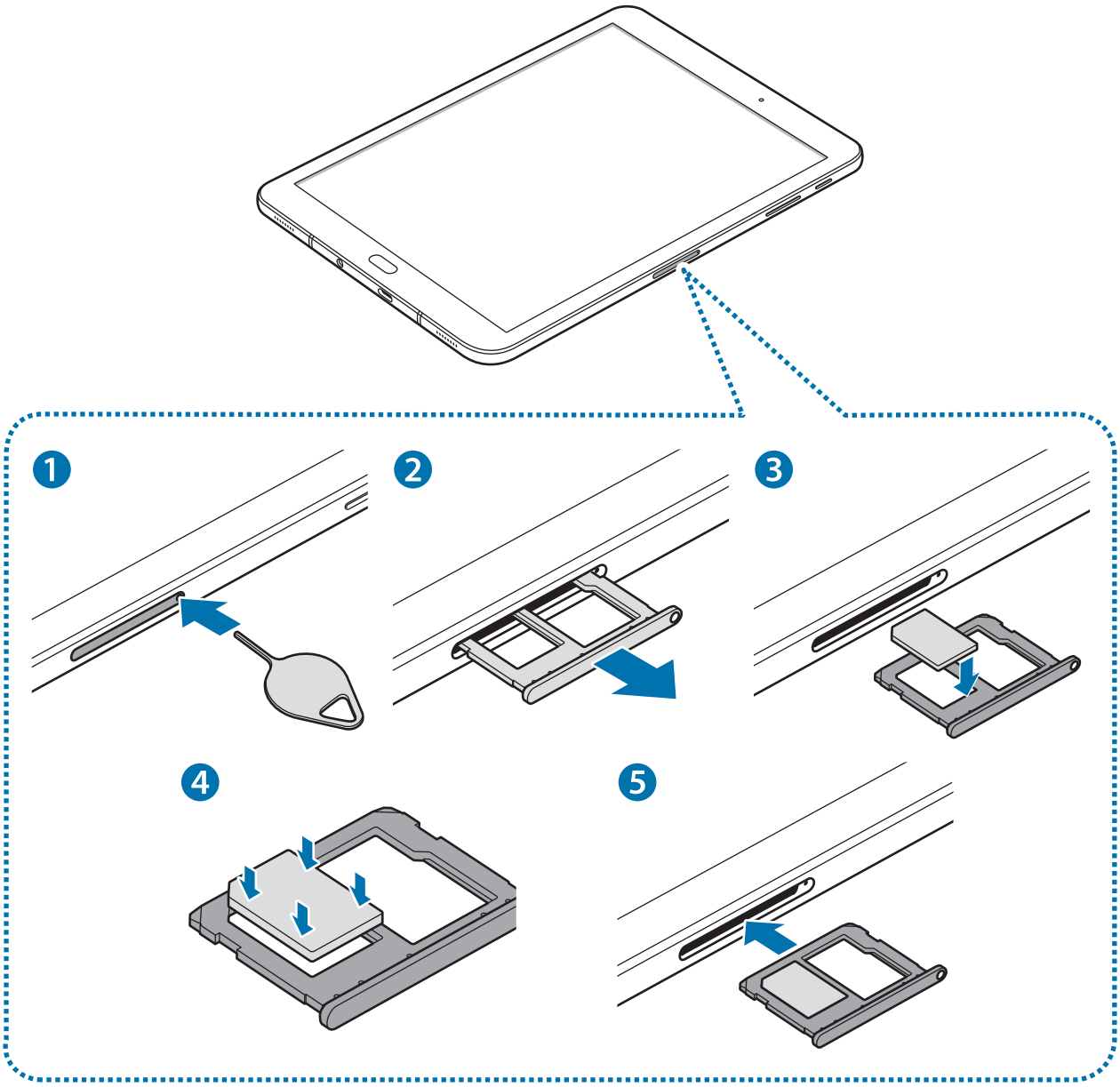
SIM or USIM card (nano-SIM card)

Installing the SIM or USIM card

Insert the SIM or USIM card provided by the mobile telephone service provider.

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.

Some LTE services may not be available depending on the service provider. For more information about service availability, contact your service provider.

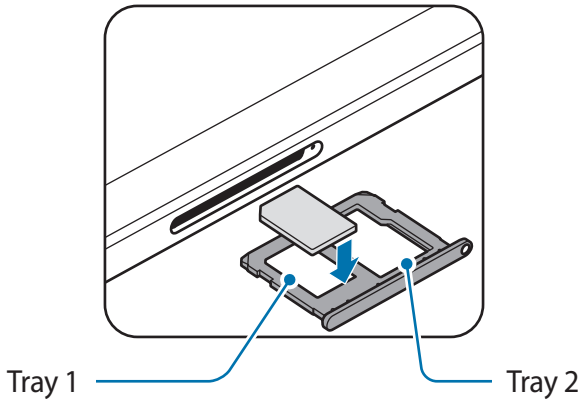


1 Insert the ejection pin into the hole on the tray to loosen the tray.

Ensure that the ejection pin is perpendicular to the hole. Otherwise, the device may be damaged.

2 Pull out the tray gently from the tray slot.

3 Place the SIM or USIM card on the tray 1 with the gold-coloured contacts facing downwards.



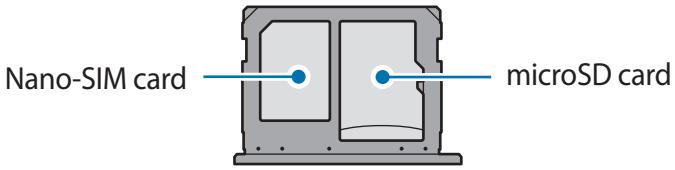
4 Gently press the SIM or USIM card into the tray to secure it.

If the card is not fixed firmly into the tray, the SIM card may leave or fall out of the tray.

5 Insert the tray back into the tray slot.

- 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.

Correct card installation



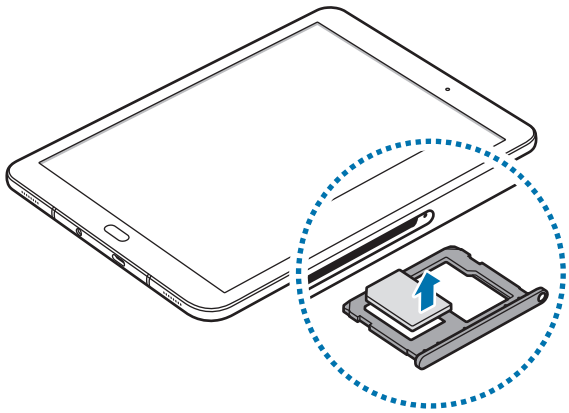
Use only a nano-SIM card.

Removing 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 Remove the SIM or USIM card.



4 Insert the tray back into the tray slot.

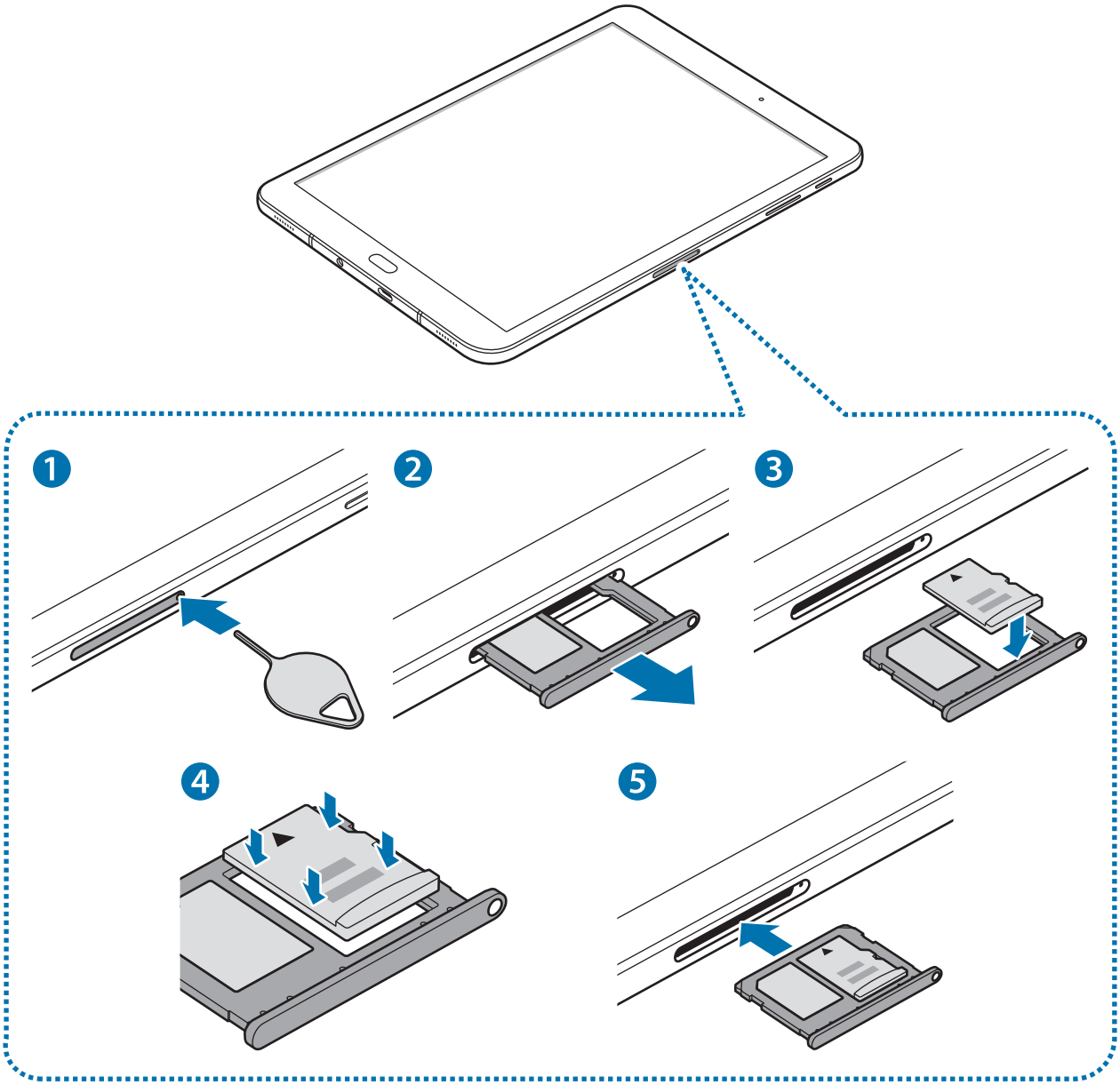
Memory card (microSD card)

Installing a memory card

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

- Some memory cards may not be fully compatible with the device. Using an incompatible card may damage the device or the memory card, or corrupt the data stored in it.
- Use caution to insert the memory card right-side up.

- The device supports the FAT and the exFAT file systems for memory 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. If the device does not recognise your memory card, format it on your computer.
- Frequent writing and erasing of data shortens the lifespan of memory cards.
- When inserting a memory card into the device, the memory card's file directory appears in the **My Files** → **SD card** folder.



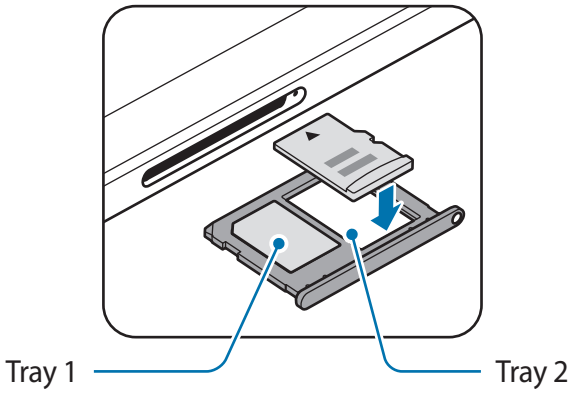
1 Insert the ejection pin into the hole on the tray to loosen the tray.

Ensure that the ejection pin is perpendicular to the hole. Otherwise, the device may be damaged.

2 Pull out the tray gently from the tray slot.

When you remove the tray from the device, the mobile data connection will be disabled.

3 Place a memory card on the tray 2 with the gold-coloured contacts facing downwards.



4 Gently press the memory card into the tray to secure it.

5 Insert the tray back into the tray slot.

- 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.

Removing the memory card

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

Launch the **Settings** app and tap **Device maintenance** → **Storage** → ⋮ → **Storage settings** → **SD card** → **UNMOUNT**.

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 Remove the memory card.

4 Insert the tray back into the tray slot.

Do not remove the memory card while the device is transferring or accessing information. Doing so can cause data to be lost or corrupted or damage to the memory card or device. Samsung is not responsible for losses that result from the misuse of damaged memory cards, including the loss of data.

Formatting the memory card

A memory card formatted on a computer may not be compatible with the device. Format the memory card on the device.

Launch the **Settings** app and tap **Device maintenance** → **Storage** → ⋮ → **Storage settings** → **SD card** → **Format** → **FORMAT**.

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

Turning the device on and off

Press and hold the Power key for a few seconds to turn on the device.

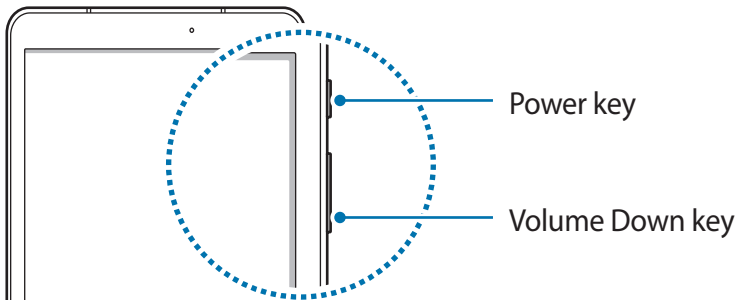
When you turn on your device for the first time or after performing a data reset, follow the on-screen instructions to set up your device.

To turn off the device, press and hold the Power key, and then tap **Power 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.

Restarting the device

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



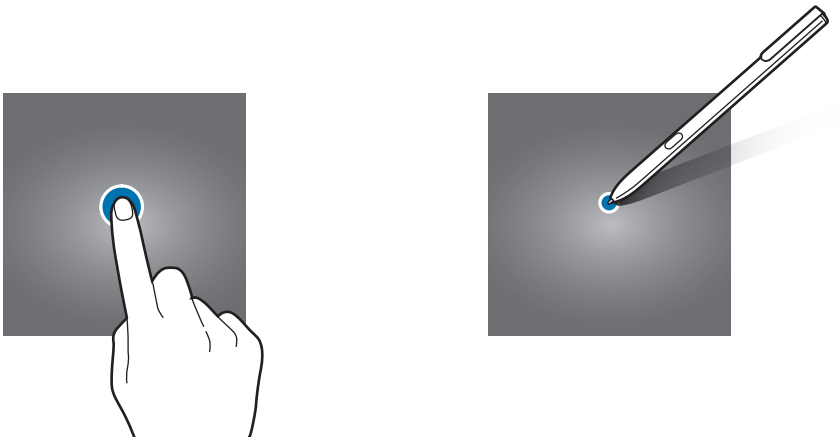
Controlling the touchscreen

- Do not allow the touchscreen to come into contact with other electrical devices. Electrostatic discharges can cause the touchscreen to malfunction.
- To avoid damaging the touchscreen, do not tap it with anything sharp or apply excessive pressure to it with your fingertips.
- Leaving the touchscreen idle for extended periods may result in afterimages (screen burn-in) or ghosting. Turn off the touchscreen when you do not use the device.

- The device may not recognise touch inputs close to the edges of the screen, which are outside of the touch input area.
- It is recommended to use fingers or the S Pen when you use the touchscreen.

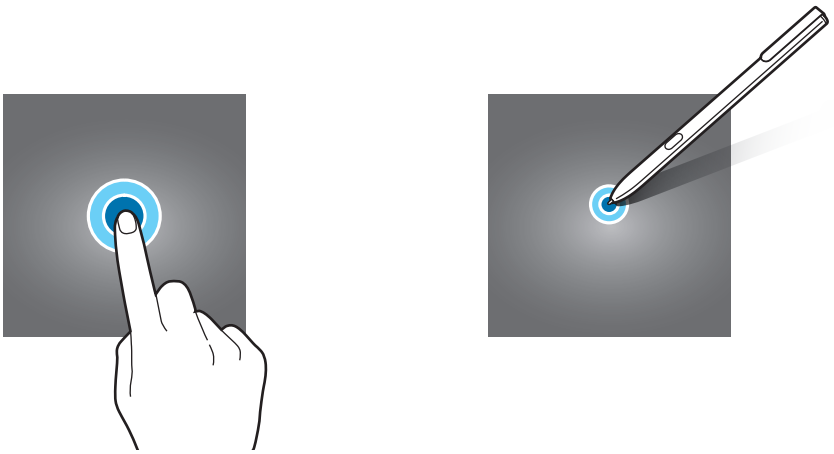
Tapping

To open an app, to select a menu item, to press an on-screen button, or to enter a character using the keyboard on the screen, tap it with a finger or the S Pen.



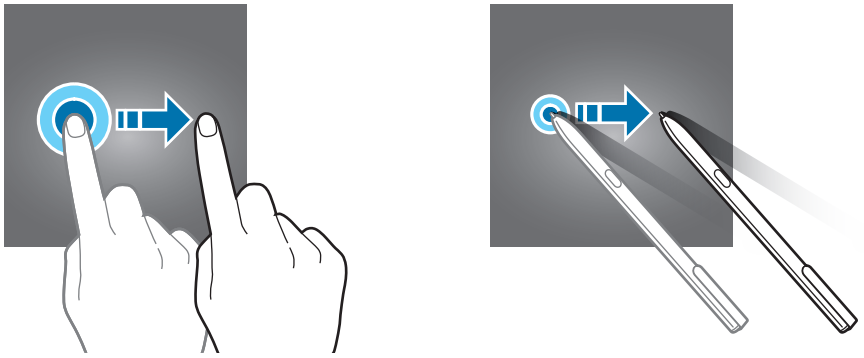
Tapping and holding

Tap and hold an item or the screen for more than 2 seconds to access available options.



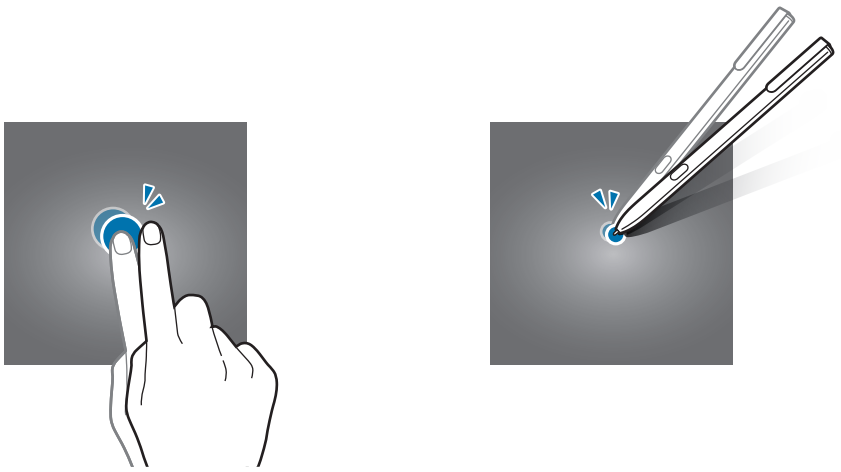
Dragging

To move an item, tap and hold it and drag it to the target position.



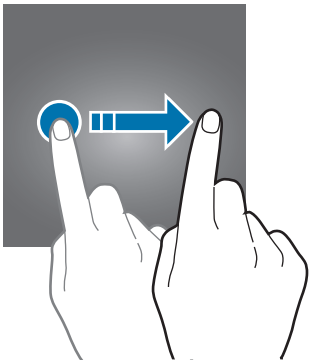
Double-tapping

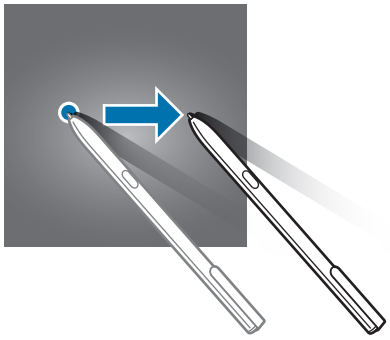
Double-tap on a webpage or image to zoom in. Double-tap again to return.



Swiping

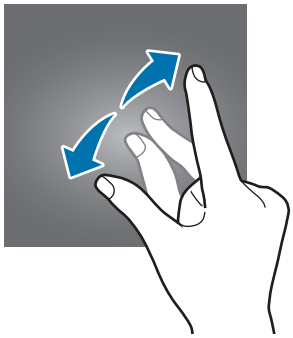
Swipe to the left or right on the Home screen or the Apps screen to view other panels. Swipe upwards or downwards to scroll through a webpage or a list of items, such as contacts.

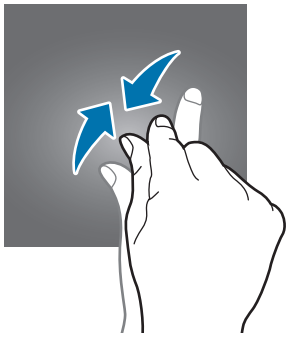




Spreading and pinching

Spread two fingers apart on a webpage, map, or image to zoom in a part. Pinch to zoom out.





Home screen and Apps screen

Introduction

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

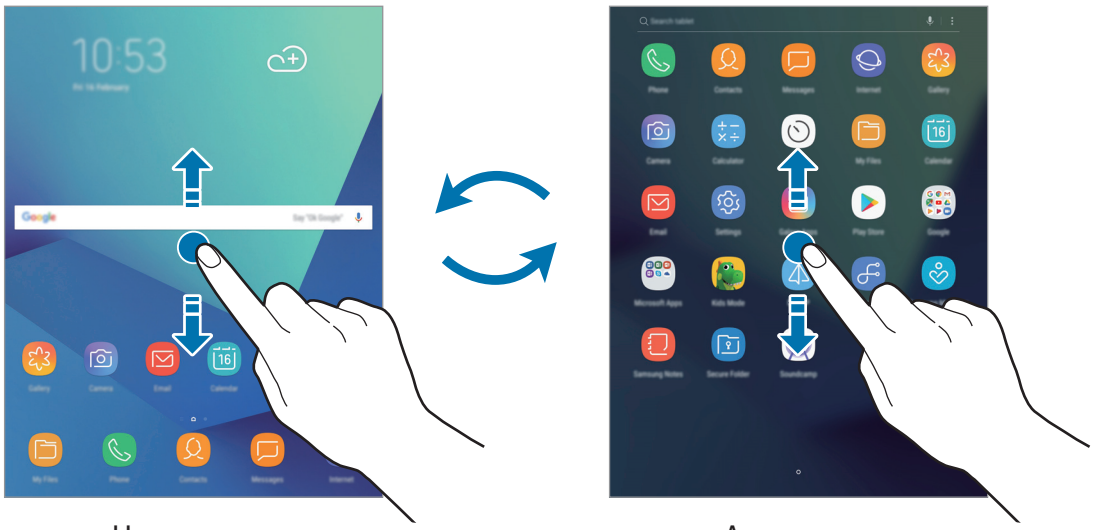
The Apps screen displays icons for all apps, including newly installed apps.

The screen may appear differently depending on the region or service provider.



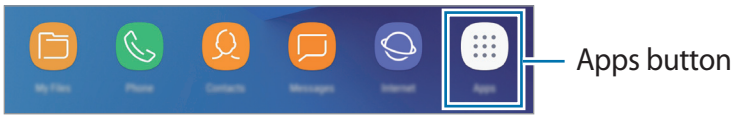
Switching between Home and Apps screens

On the Home screen, swipe upwards or downwards 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.



Home screen Apps screen

If you add the Apps button on the Home screen, you can open the Apps screen by tapping the button. On the Home screen, tap and hold an empty area and tap **Home screen settings** → **Apps button** → **Show Apps button** → **APPLY**. The Apps button will be added at the bottom of the Home screen.



Moving items

Tap and hold an item, and then drag it 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, tap and hold an item on the Apps screen, and then drag it to the top of the screen. 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.

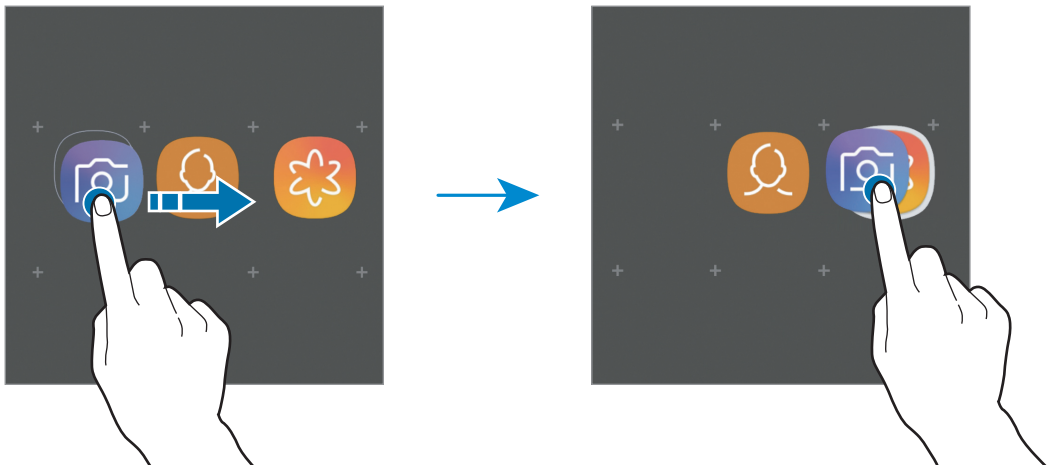
Creating folders

Create folders and gather similar applications to quickly access and launch apps.

1 On the Home screen or the Apps screen, tap and hold an app, and then drag it over another app.

2 Drop the app when a folder frame appears around the apps.

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



Adding more apps

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

Moving apps from a folder

Tap and hold an app to drag it to a new location.

Deleting a folder

Tap 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.

Editing the Home screen

On the Home screen, tap 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: Tap and hold a panel preview, and then drag it to a new location.
- Deleting panels: Tap on the panel.



- **Wallpapers**: Change the wallpaper settings for the Home screen and the locked screen.
- **Widgets**: Widgets are small apps that launch specific app functions to provide information and convenient access on your Home screen. Tap and hold a widget, and then drag it to the Home screen. The widget will be added on the Home screen.
- **Home screen settings**: Change the Home screen settings.

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, tap and hold an empty area, and then tap **Home screen settings** → **Home screen layout** → **Home screen only** → **APPLY**.

You can now access all your apps by swiping to the left on the Home screen.

Indicator icons

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

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.

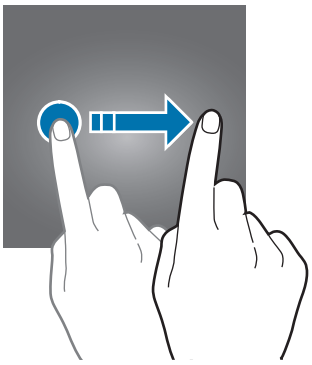
Icon	Meaning
	No signal
	Signal strength
	Roaming (outside of normal service area)
	GPRS network connected
	EDGE network connected
	UMTS network connected
	HSDPA network connected
	HSPA+ network connected
	LTE network connected
	Wi-Fi connected
	Bluetooth feature activated
	GPS activated
	Call in progress
	Missed call
	New text or multimedia message
	Alarm activated
	Mute mode activated
	Vibration mode activated
	Flight mode activated
	Error occurred or caution required
	Battery charging
	Battery power level

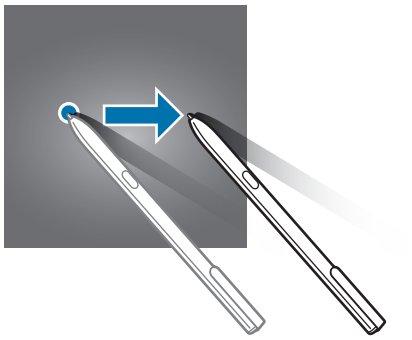
Lock screen

Pressing the Power key 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.

The screen is locked with **Swipe**, the default screen lock method.

Press the Power key or the Home key and swipe in any direction to unlock the screen.





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

When you set a pattern, PIN, password, or fingerprint 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.

- **Swipe**: Swipe in any direction on the screen to unlock it.
- **Pattern**: Draw a pattern with four or more dots to unlock the screen.
- **PIN**: Enter a PIN with at least four numbers to unlock the screen.
- **Password**: Enter a password with at least four characters, numbers, or symbols to unlock the screen.

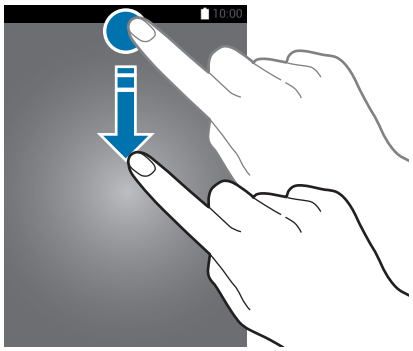
- **None**: Do not set a screen lock method.
- **Fingerprints**: Register your fingerprints to unlock the screen. Refer to Fingerprint recognition for more information.

- You can unlock your device's screen remotely from the Find My Mobile website (findmymobile.samsung.com) using your Samsung account. To use this feature, the device must be connected to a Wi-Fi or mobile network and you must sign in to your Samsung account.
- If the unlock code is forgotten, you will not be able to use the device if you do not reset it. Samsung is not responsible for any data loss or inconvenience caused by forgotten unlock codes.
- 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. Launch the **Settings** app, tap **Lock screen** → **Secure lock settings** and tap the **Auto factory reset** switch to activate it.

Notification panel

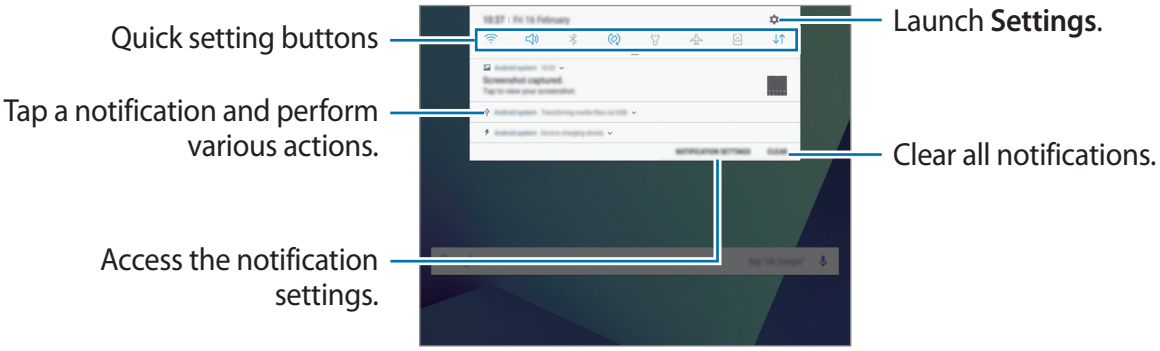
When you receive new notifications, such as messages or missed calls, indicator icons appear on the status bar. To see more information about the icons, open the notification panel and view the details.

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



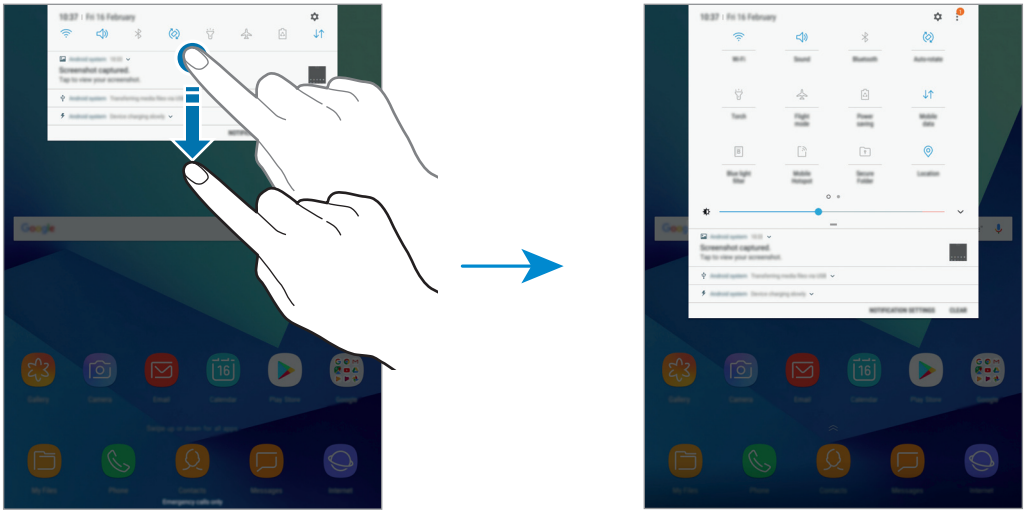
You can open the notification panel, even on the locked screen.

You can use the following functions on the notification panel.



Using quick setting buttons

Tap quick setting buttons to activate certain features. Swipe downwards on the notification panel to view more buttons.



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

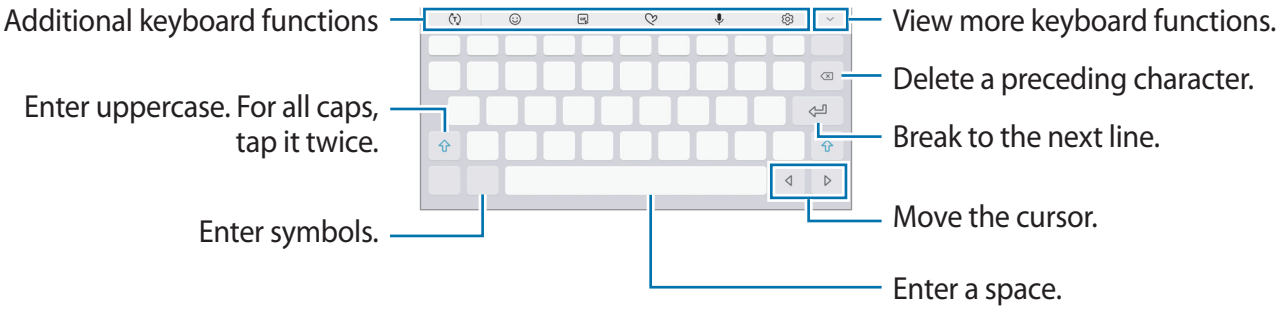
To rearrange buttons, tap ⋮ → **Button order**, tap and hold a button, and then drag it to another location.

Entering text

Keyboard layout

A keyboard appears automatically when you enter text to send messages, create notes, and more.

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



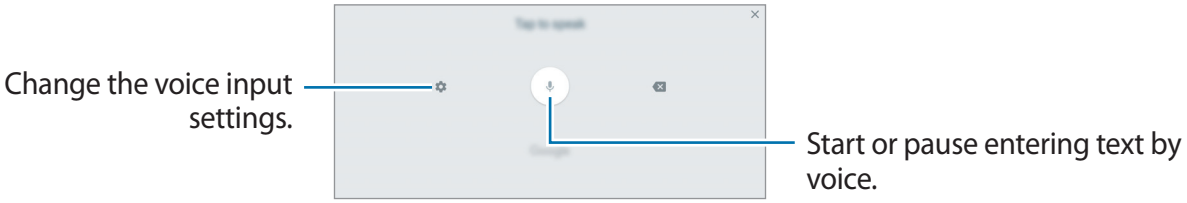
Changing the input language

Tap → **Languages and types** → **MANAGE INPUT LANGUAGES**, and then select the languages to use. When you select two or more languages, you can switch between the input languages by swiping to the left or right on the space key.

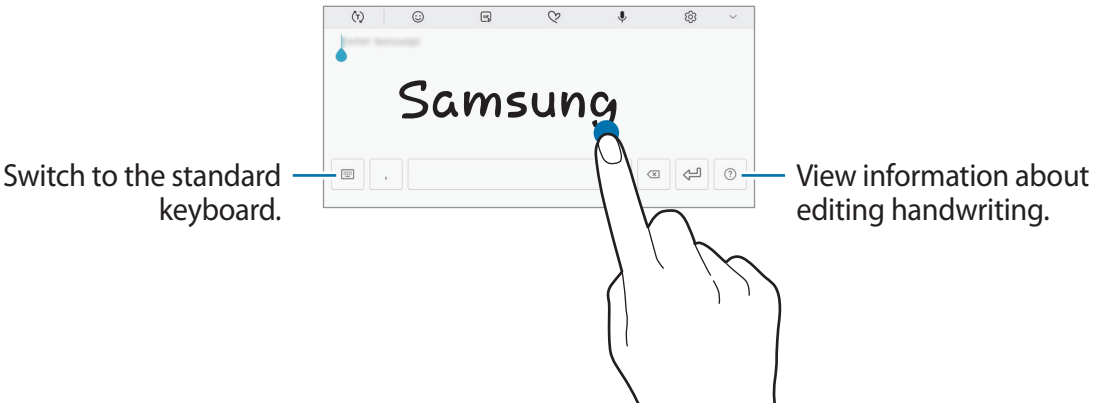
Additional keyboard functions

- : Predict words based on your input and show word suggestions. To return to the keyboard functions list, tap .
- : Enter emoticons.
- : Attach animated GIFs.
- : Create a live message. Instead of a text message, record your actions while handwriting or drawing a message and save it as an animated file.

- : Enter text by voice.



- : Change the keyboard settings.
- → : Switch to handwriting mode.



This feature may not be available depending on the region or service provider.

- → : Add an item from the clipboard.
- → : Switch to the floating or split keyboard. You can move the keyboard to another location by dragging the tab.

Copying and pasting

1 Tap 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 Tap 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.

Screen capture

Capture a screenshot while using the device.

Capturing screenshots

Press and hold the Home key and the Power key simultaneously. You can view captured images in **Gallery**.

You can also capture screenshots by swiping your hand to the left or right across the screen. If this feature is not activated, launch the **Settings** app, tap **Advanced features** → **Palm swipe to capture** and tap the switch to activate it.

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

Capturing screenshots with the S Pen

You can also use the Air command features to capture screenshots.

Screen write allows you to write on captured screenshots. Use **Scroll capture** to capture content that continues across multiple screens.

To select and capture a specific area, use **Smart select**.

Refer to Screen write and Smart select for more information.

Smart capture

You can capture the current screen and scrollable area. You can also immediately crop and share the captured screen.

If this feature is not activated, launch the **Settings** app, tap **Advanced features** → **Smart capture**, tap the switch to activate it, and then capture a screenshot. On the screen you are capturing, use one of the following options:

- **Scroll capture**: Capture more content that continues across multiple screens, such as a web page. The screen will automatically scroll down and more content will be captured.
- **Draw**: Write or draw on the screenshot.
- **Crop**: Crop a portion from the screenshot.
- **Share**: Share the screenshot.

Opening apps

On the Home screen or the Apps screen, select an app icon to open it.

To open an app from the list of recently used apps, tap and select a recent app window.

Closing an app

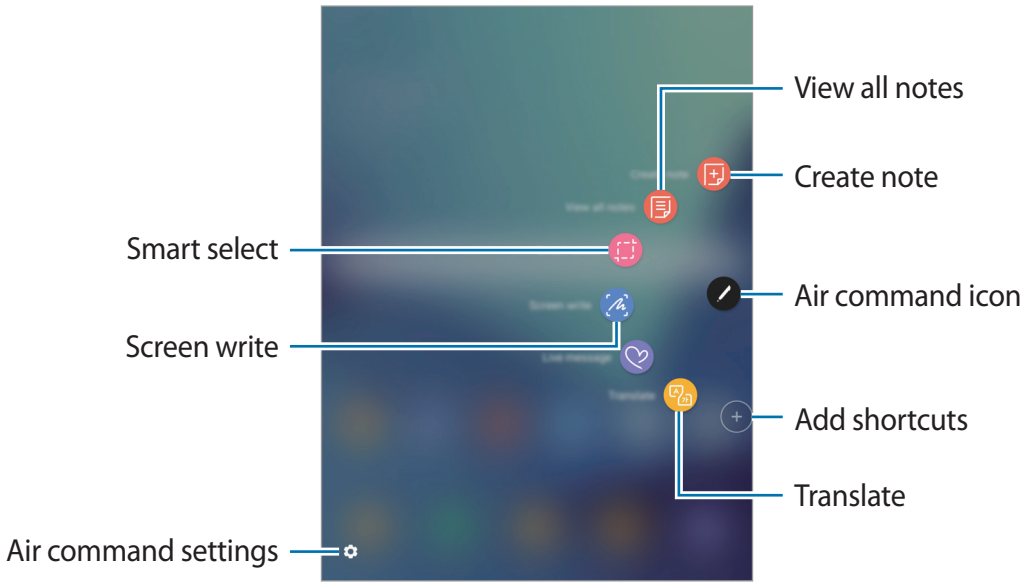
Tap and drag a recent app window to the left or right to close it. To close all running apps, tap **CLOSE ALL**.

S Pen features

Air command

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.

You can access useful features and frequently used apps.



- **Create note**: Launch **Samsung Notes** and create a new note. Refer to Samsung Notes for more information.
- **View all notes**: Launch **Samsung Notes** and view all notes.
- **Smart select**: Collect content quickly. Refer to Smart select for more information.
- **Screen write**: Capture, edit, and write memos on screenshots, and then share them. Refer to Screen write for more information.
- **Live message**: 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.
- **Translate**: Hover the S Pen over a word to translate it. Refer to Translate for more information.
- **Add shortcuts**: Add shortcuts to frequently used apps to the Air command panel. Refer to Add shortcuts for more information.
- ⚙ : Change the Air command settings.

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.

To move the icon, tap and drag it to a new location.

Smart select

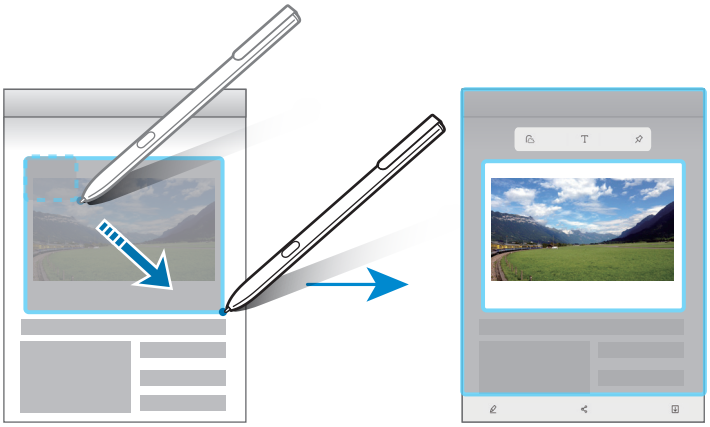
Use the S Pen to select an area and perform actions, such as sharing or saving.

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.

Tap **Auto select** to automatically reshape the selected area.

If text is included in the selected area, tap **Extract text** to recognise and extract text from the selected area.



3 Select an option to use with the selected area.

- **Draw**: Write or draw on the screen.
- **Share**: Share the selected area with others.
- **Save**: Save the selected area in **Gallery**.

Screen write

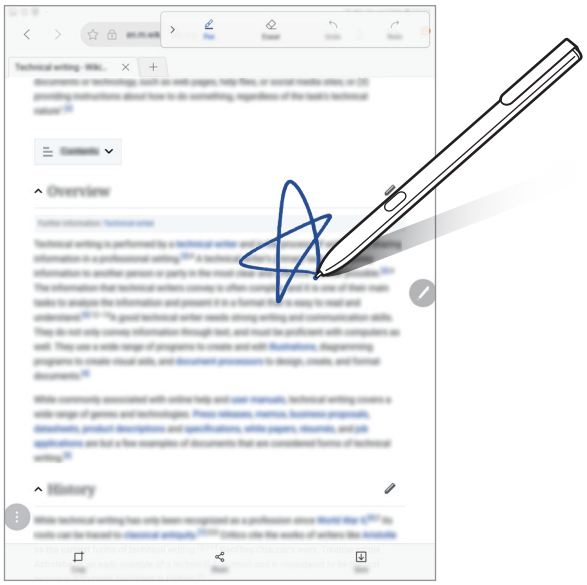
Capture screenshots to write or draw on them.

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 on the screen.

2 If you capture content that continues across multiple screens, such as a webpage, tap **Scroll capture** to capture more content. The screen will automatically scroll down and allow you to select **SCROLL CAPTURE** again. When you are finished capturing, tap **DONE**.

3 Write a memo on the screenshot.



4 Select an option to use with the screenshot.

- **Crop**: Crop the screenshot.
- **Share**: Share the screenshot with others.
- **Save**: Save the screenshot in **Gallery**.

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

Translate

Hover the S Pen over a word to translate it.

- To use this feature, the device must be connected to a Wi-Fi or mobile network.
- This feature does not support some languages.
- This feature is available only on screens that allow you to perform a screen capture.

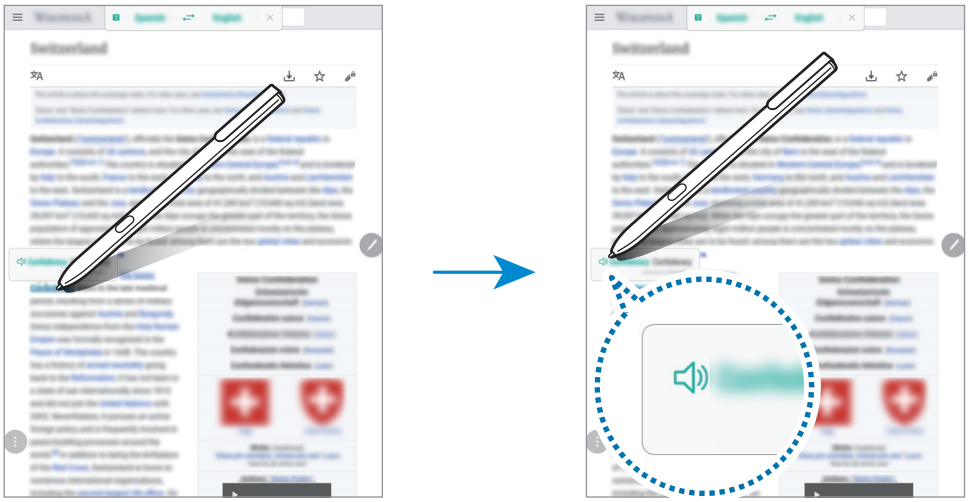
1 Open the Air command panel and tap **Translate**.

2 Select the languages on the translator panel at the top of the screen.

3 Hover the S Pen over the word you want to translate.

The translated word will appear above the original word. Tap to listen to the pronunciation.

To view more definitions, tap the translated word.



4 To close the translator, tap on the translator panel.

Add shortcuts

Add shortcuts to frequently used apps or functions to the Air command panel.

On the Air command panel, tap **Add shortcuts** and select apps or functions to open from the panel.

To edit shortcuts, open the Air command panel and tap ⚙ → **Shortcuts**.

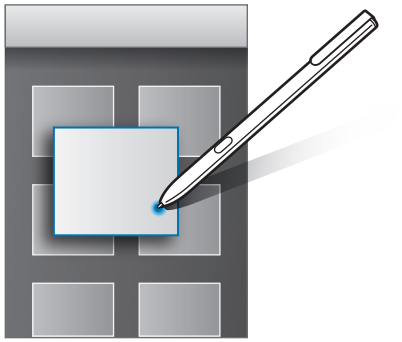
You can also remove the **Create note** shortcut.

Air view

Hover over an item on the screen with the S Pen to perform various functions.

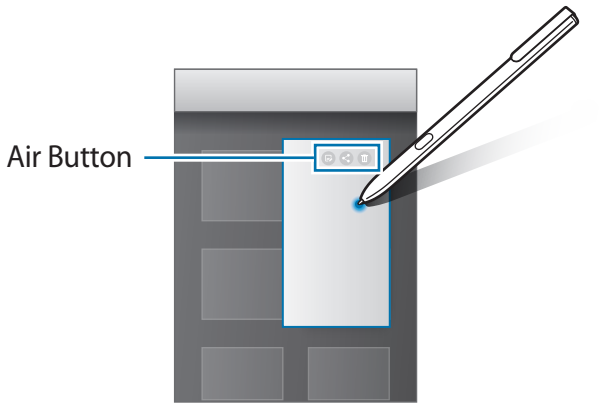
Previewing information

Point at the screen to preview content or view information in a pop-up window.



Using Air Button

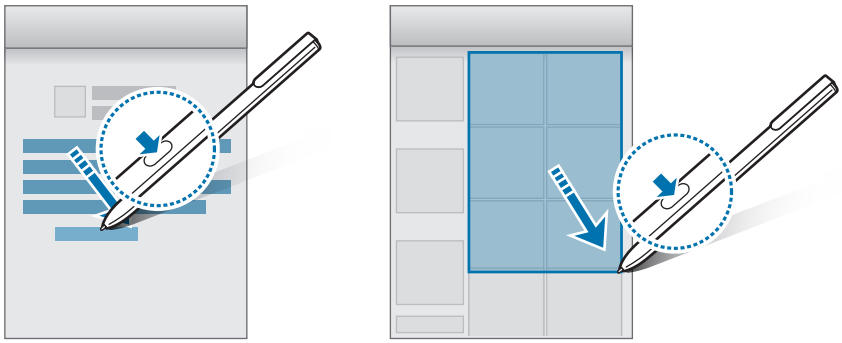
Hovering the S Pen over items in some apps, such as **Gallery**, will display Air Button on the preview window. You can perform various actions directly from the preview window using Air Button.



If this feature is not activated, launch the **Settings** app, tap **Advanced features** → **S Pen** → **Air view**, and then tap the switch to activate it.

Pen Select

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.

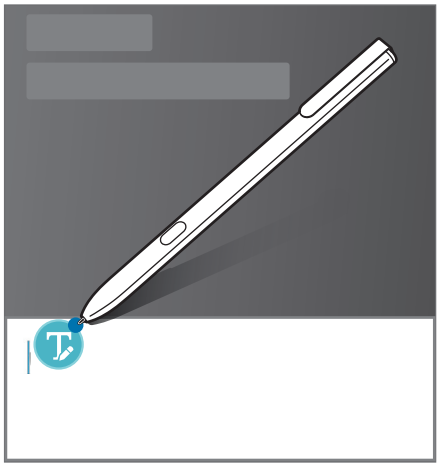


Direct pen input

Fill in forms and write messages using your handwriting with the S Pen.

1 Hover the S Pen over a text field.

2 Tap to open the handwriting field.



3 Write with the S Pen.

If this feature is not activated, launch the **Settings** app, tap **Advanced features** → **S Pen** → **Direct pen input**, and then tap the switch to activate it.

Screen off memo

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



If this feature is not activated, launch the **Settings** app, tap **Advanced features** → **S Pen**, and then tap the **Screen off memo** switch to activate it.

Creating a screen off memo

1 When the screen is off, tap the screen with the S Pen while pressing and holding the S Pen button.

2 Write or draw a memo.

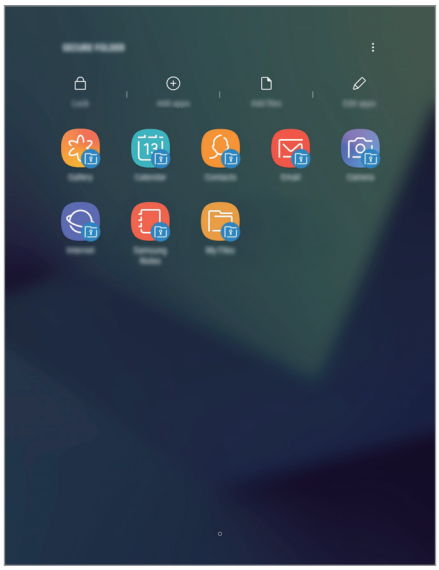
To extend the page, tap ⌄.

3 To save the memo, tap **SAVE IN NOTES**. The memo will be saved to **Samsung Notes** → **COLLECTIONS** → **Screen off memo**.

Secure Folder

Introduction

Secure Folder protects your private content and apps, such as photos and notes, from being accessed by others. You can keep your private content and apps secure even when the device is unlocked.



Secure Folder is a separate, secured storage area. The data in Secure Folder cannot be transferred to other devices via unapproved sharing methods, such as USB. Attempting to customise the operating system or modifying software will cause Secure Folder to be automatically locked and inaccessible. Before saving data in Secure Folder, make sure to back up a copy of the data in another secure location.

Setting up Secure Folder

1 Launch the **Secure Folder** app.

Alternatively, launch the **Settings** app and tap **Biometrics and security** → **Secure Folder**.

2 Tap **SIGN IN** and sign in to your Samsung account.

3 Select a lock method to use for Secure Folder and follow the on-screen instructions to complete the setup.

A shortcut to Secure Folder will be added to the Apps screen.

If you forget your Secure Folder unlock code, you can reset it using your Samsung account. Tap the reset button that appears when an incorrect unlock code is entered, and enter your Samsung account password.

Setting auto lock for Secure Folder

Set the device to automatically lock Secure Folder when it is not being used.

1 Launch the **Secure Folder** app and tap ⋮ → **Settings** → **Auto lock Secure Folder**.

2 Select a lock option.

To manually lock your Secure Folder, tap **Lock**.

Moving content

Move content, such as photos and contacts, to Secure Folder. The following actions are an example of moving an image from the default storage to Secure Folder.

1 Launch the **Gallery** app.

2 Select an image and tap ⋮ → **Move to Secure Folder**.

The selected items will be moved to the corresponding app in Secure Folder.

You can move content from Secure Folder to the corresponding app in the default storage. Select an item and tap ⋮ → **Move out of Secure Folder**.

Adding apps

Add an app to use in Secure Folder.

1 Launch the **Secure Folder** app and tap **Add apps**.

2 Tick one or more apps installed on the device and tap **ADD**.

To install apps from **Play Store**, tap **DOWNLOAD FROM PLAY STORE**.

To install apps from **Galaxy Apps**, tap **DOWNLOAD FROM GALAXY APPS**.

Removing apps from Secure Folder

Tap **Edit apps**, tick apps, and then tap **Disable**.

Adding accounts

Add your Samsung and Google accounts, or other accounts, to sync with the apps in Secure Folder.

1 Launch the **Secure Folder** app and tap ⋮ → **Settings** → **Accounts** → **Add account**.

2 Select an account service.

3 Follow the on-screen instructions to complete the account setup.

Hiding Secure Folder

You can hide the Secure Folder shortcut from the Apps screen.

Launch the **Secure Folder** app, tap ⋮ → **Settings**, and then tap the **Show Secure Folder** switch to deactivate it.

To show the Secure Folder shortcut again, launch the **Settings** app, tap **Biometrics and security** → **Secure Folder**, and then tap the **Show Secure Folder** switch to activate it.

Uninstalling Secure Folder

You can uninstall Secure Folder, including the content and apps in it.

1 Launch the **Settings** app and tap **Biometrics and security** → **Secure Folder** → **More settings** → **Uninstall**.

2 Tap **UNINSTALL** to back up content and uninstall Secure Folder.

You can access data backed up from Secure Folder, launch the **My Files** app, and then tap **Internal storage** → **Secure Folder**.

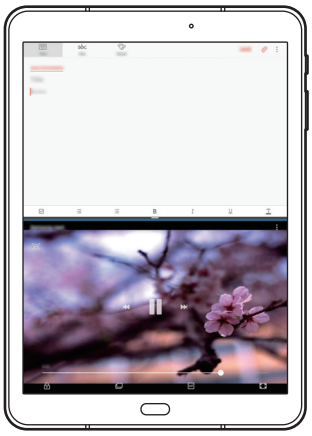
Notes saved in **Samsung Notes** will not be backed up.

Multi window

Introduction

Multi window lets you run two apps at the same time in the split screen view. You can also run multiple apps at the same time in the pop-up view.

Some apps may not support this feature.



Split screen view



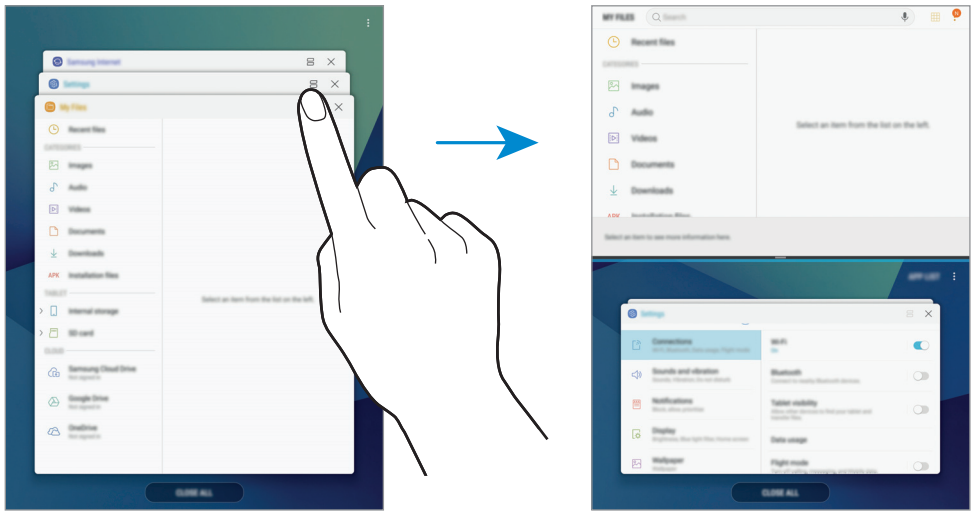
Pop-up view

Split screen view

1 Tap to open the list of recently used apps.

2 Swipe upwards or downwards and tap on a recent app window.

The selected app will launch in the upper window.

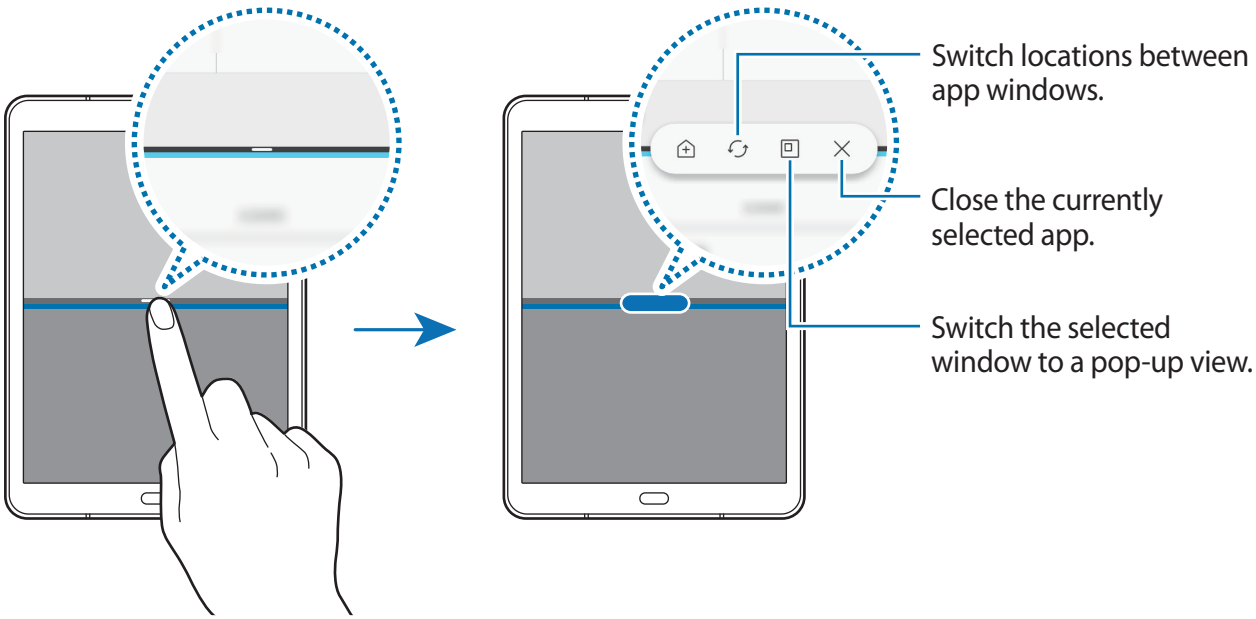


3 In the lower window, swipe upwards or downwards to select another app to launch.

To launch apps not in the list of recently used apps, tap **APP LIST** and select an app.

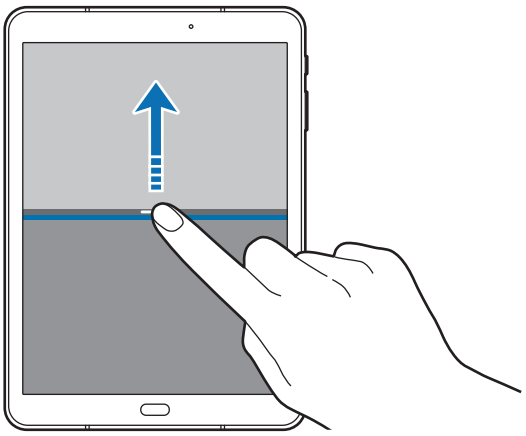
Using additional options

Tap the bar between the app windows to access additional options.



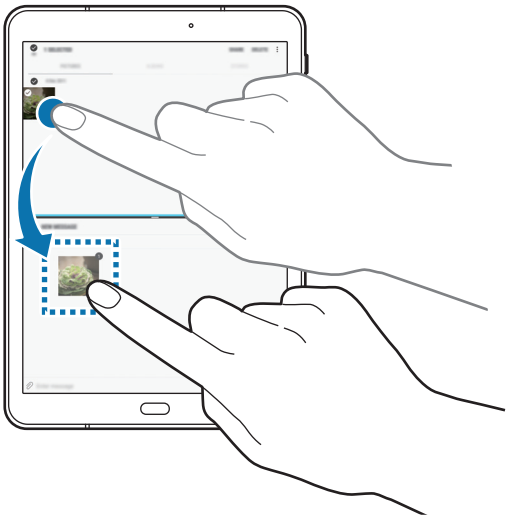
Adjusting the window size

Drag the bar between the app windows up or down to adjust the size of the windows.



Sharing text or images between windows

Drag and drop text or copied images from one window to another. Tap and hold an item in the selected window and drag it to a location in another window.



Some apps may not support this feature.

Minimising the split screen view

Press the Home key to minimise the split screen view. The icon will appear on the status bar. The app in the lower window will close and the app in the upper window will remain active in the minimised split screen view.

To close the minimised split screen view, tap ⊗.

Maximising a window

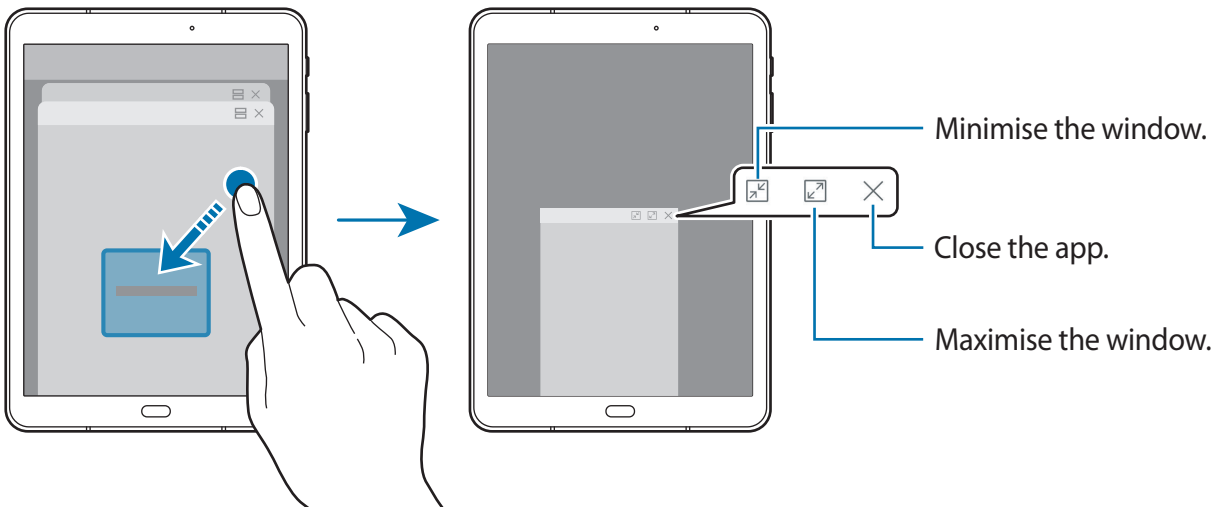
Tap an app window and drag the bar between the app windows to the top or bottom edge of the screen.

Pop-up view

1 Tap to open the list of recently used apps.

2 Swipe upwards or downwards, tap and hold an app window, and then drag it to **Drop here for pop-up view**.

The app screen will appear in the pop-up view.



Moving pop-up windows

To move a pop-up window, tap the window's toolbar and drag it to a new location.

Samsung account

Introduction

Your Samsung account is an integrated account service that allows you to use a variety of Samsung services provided by mobile devices, TVs, and the Samsung website. Once your Samsung account has been registered, you can use apps provided by Samsung, without signing in to your account.

Create your Samsung account with your email address.

To check the list of services that can be used with your Samsung account, visit account.samsung.com. For more information on Samsung accounts, launch the **Settings** app and tap **Cloud and accounts** → **Accounts** → **Samsung account** → ⋮ → **Help**.

Registering your Samsung account

Registering a new Samsung account

If you do not have a Samsung account, you should create one.

1 Launch the **Settings** app and tap **Cloud and accounts** → **Accounts** → **Add account**.

2 Tap **Samsung account** → **CREATE ACCOUNT**.

3 Follow the on-screen instructions to complete creating your account.

Registering an existing Samsung account

If you already have a Samsung account, register it to the device.

1 Launch the **Settings** app and tap **Cloud and accounts** → **Accounts** → **Add account**.

2 Tap **Samsung account** → **SIGN IN**.

3 Enter your email address and password, and then tap **SIGN IN**.

If you forget your account information, tap **Find ID** or **Reset password**. You can find your account information when you enter the required information and security code displayed that is on the screen.

Removing your Samsung account

When you remove your registered Samsung account from the device, your data, such as contacts or events, will also be removed.

1 Launch the **Settings** app and tap **Cloud and accounts** → **Accounts**.

2 Tap **Samsung account** → ⋮ → **Remove account** → **REMOVE**.

3 Enter your Samsung account password and tap **CONFIRM**.

Transferring data from your previous device

You can transfer contacts, images, and other data from a previous device to your device via Smart Switch or Samsung Cloud.

- 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 via Smart Switch

Transfer data between mobile devices via Smart Switch. To use Smart Switch, launch the **Settings** app and tap **Cloud and accounts** → **Smart Switch**. If you do not have the app, download it from **Galaxy Apps** or **Play Store**.

Transferring data from a mobile device

Transfer data from your previous device to your device.



1 On the previous device, launch Smart Switch.

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

2 On your device, launch the **Settings** app and tap **Cloud and accounts** → **Smart Switch**.

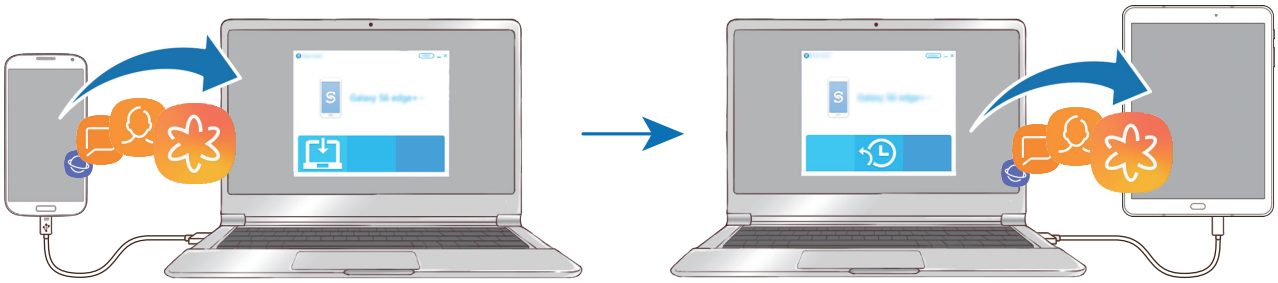
3 Place the devices near each other.

4 When using this feature for the first time, tap **START** on your device.

5 After you select how to send data and connect your previous device to your device, follow the on-screen instructions to transfer data from the previous device.

Transferring backup data from a computer

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



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

2 On the computer, launch Smart Switch.

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

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

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

Transferring data via Samsung Cloud

Back up data from your previous device to Samsung Cloud and restore the data to your device. You must register and sign in to your Samsung account to use Samsung Cloud. Refer to Samsung account for more information.

1 On the previous device, back up the data to your Samsung account.

2 On your device, launch the **Settings** app and tap **Cloud and accounts** → **Samsung Cloud**.

3 Select your previous device under **BACKUP AND RESTORE** and tap **Restore data**.

4 Tick the data types you want to restore and tap **RESTORE**.

Device and data management

Connecting the device to a computer for data transfer

Move audio, video, image, or other types of files from the device to the computer, or vice versa.

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

The devices may not connect properly if they are connected via a USB hub. Directly connect the device to the computer's USB port.

1 Connect the device to the computer using the USB cable.

2 Open the notification panel, and then tap **Transferring media files via USB** → **Transfer files**.

If the computer cannot recognise your device, tap **Transfer images**.

3 Tap **ALLOW** to permit the computer to access your device's data.

When the computer recognises your device, the device will appear in My PC.

4 Transfer files between your device and the computer.

Updating the device

The device can be updated to the latest software.

Updating over the air

The device can be directly updated to the latest software by the firmware over-the-air (FOTA) service.

Launch the **Settings** app and tap **Software update** → **Download updates manually**.

When you tap the **Download updates automatically** switch to activate it, updates will be downloaded when the device is connected to a Wi-Fi network.

Updating with Smart Switch

Connect the device to a computer and update the device to the latest software.

1. On the computer, visit www.samsung.com/smartswitch to download and install Smart Switch.
2. On the computer, launch Smart Switch.
3. Connect the device to the computer using a USB cable.
4. If a software update is available, follow the on-screen instructions to update the device.

- Do not turn off the computer or disconnect the USB cable while the device is updating.
- While updating the device, do not connect other media devices to the computer. Doing so may interfere with the update process. Before updating, disconnect all other media devices from the computer.

Backing up and restoring data

Keep your personal information, app data, and settings safe on your device. You can back up your sensitive information and access it later. You must sign in to your Google or Samsung account to back up or restore data. Refer to Samsung account and Accounts for more information.

Using a Samsung account

Launch the **Settings** app, tap **Cloud and accounts** → **Backup and restore** → **Back up data**, tick the items you want to back up, and then tap **BACK UP**.

Data will be backed up to Samsung Cloud. Refer to Samsung Cloud for more information.

To restore backup data from Samsung Cloud using a Samsung account, tap **Restore data**. Select a device and the data types you want to restore and tap **RESTORE**. The selected data will be restored to your device.

Using a Google account

Launch the **Settings** app and tap **Cloud and accounts** → **Backup and restore** and tap the **Back up my data** switch for the Google account to activate it. Tap **Backup account** and select an account as the backup account. To add the backup account, tap **Add account**.

To restore data using a Google account, tap the **Automatic restore** switch to activate it. When you reinstall apps, backed up settings and data will be restored.

Performing a data reset

Delete all settings and data on the device. Before performing a factory data reset, ensure you back up all important data stored on the device. Refer to Backing up and restoring data for more information.

Launch the **Settings** app and tap **General management** → **Reset** → **Factory data reset** → **RESET** → **DELETE ALL**. The device automatically restarts.

Sharing features

Share content by using various sharing options. The following actions are an example of sharing images.

You may incur additional charges when sharing files via the mobile network.

1 Launch the **Gallery** app and select an image.

2 Tap and select a sharing method, such as Bluetooth and email.

You can also use the following options:

- **Link Sharing**: Share large files. Upload files to the Samsung storage server and share them with others via a Web link or a code. To use this feature, your phone number must be verified.
- **Share to device**: Share content with nearby devices via Wi-Fi Direct or Bluetooth, or with SmartThings supported devices. You can also view your device's displayed content on a large screen by connecting your device to a screen mirroring-enabled TV or monitor.

When you have a communication or sharing history, the people you contacted will appear on the sharing options panel. To directly share content with them via the corresponding app, select a person's icon. If the feature is not activated, open the Apps screen, tap **Settings** → **Advanced features**, and then tap the **Direct share** switch to activate it.

3 Follow the on-screen instructions to share the image with others.

When the image is sent to the recipients' devices, a notification will appear on their devices. Tap the notification to view or download the image.

Applications

Installing or uninstalling apps

Galaxy Apps

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

Launch the **Galaxy Apps** app.

This app may not be available depending on the region or service provider.

Installing apps

Browse apps by category or tap the search field to search for a keyword.

Select an app to view information about it. To download free apps, tap **INSTALL**. To purchase and download apps where charges apply, tap the price and follow the on-screen instructions.

To change the auto update settings, tap ⋮ → **Settings** → **Auto update apps**, and then select an option.

Play Store

Purchase and download apps.

Launch the **Play Store** app.

Installing apps

Browse apps by category or search for apps by keyword.

Select an app to view information about it. To download free apps, tap **INSTALL**. To purchase and download apps where charges apply, tap the price and follow the on-screen instructions.

To change the auto update settings, tap ☰ → **Settings** → **Auto-update apps**, and then select an option.

Managing apps

Uninstalling or disabling apps

Tap and hold an app and select an option.

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

Enabling apps

Launch the **Settings** app, tap **Apps** → ▼ → **Disabled**, 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. When you open an app, a pop-up window may appear and request access to certain features or information. Tap **ALLOW** on the pop-up window to grant permissions to the app.

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

To view or change app permission settings by permission category, launch the **Settings** app and tap **Apps** → ⋮ → **App permissions**. Select an item and tap the switches next to apps to grant permissions.

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

Phone

Introduction

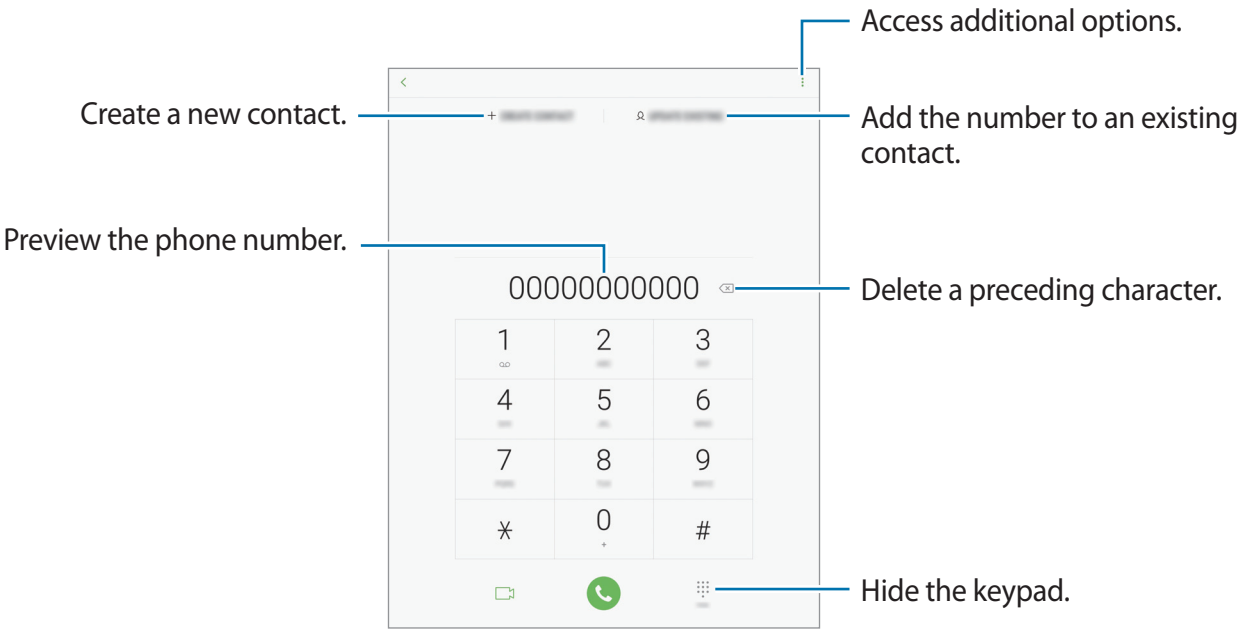
Make or answer voice and video calls.

Making calls

1 Launch the **Phone** app and enter a phone number.

If the keypad does not appear on the screen, tap to open the keypad.

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



Using speed dial

Set speed dial numbers to quickly make calls.

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

To make a call, tap 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 tap and hold the last digit.

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

Making calls from the locked screen

On the locked screen, drag outside the large circle.

Making calls from call logs or contacts list

Tap **RECENTS** or **CONTACTS**, and then swipe to the right on a contact or a phone number to make a call.

Making an international call

1 Tap to open the keypad if the keypad does not appear on the screen.

2 Tap 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 rejection message bar upwards.

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

Missed calls

If a call is missed, the icon appears on the status bar. Open the notification panel to view the list of missed calls. Alternatively, launch the **Phone** app and tap **RECENTS** to view missed calls.

Blocking phone numbers

Block calls from specific numbers added to your block list.

1 Launch the **Phone** app and tap → **Settings** → **Block numbers**.

2 Tap to select contacts and tap **DONE**.

To manually enter a number, tap **Enter phone number**, enter a phone number, and then tap .

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 unknown callers** switch to activate the feature.

Options during calls

During a voice call

The following actions are available:

- **VOLUME**: Adjust the volume.
- : Access additional options.
- **Add call**: Dial a second call.
- **Extra volume**: Increase the volume.
- **Bluetooth**: Switch to a Bluetooth headset if it is connected to the device.
- **Hold**: Hold a call. Tap **Resume call** to retrieve the held call.
- **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

Tap the screen to use the following options:

- **VOLUME**: Adjust the volume.
- : Access additional options.
- **Camera**: Turn off the camera so that the other party cannot see you.
- **Switch**: Switch between the front and rear cameras.
- : End the current call.
- **Mute**: Turn off the microphone so that the other party cannot hear you.
- **Bluetooth**: Switch to a Bluetooth headset if it is connected to the device.

Contacts

Introduction

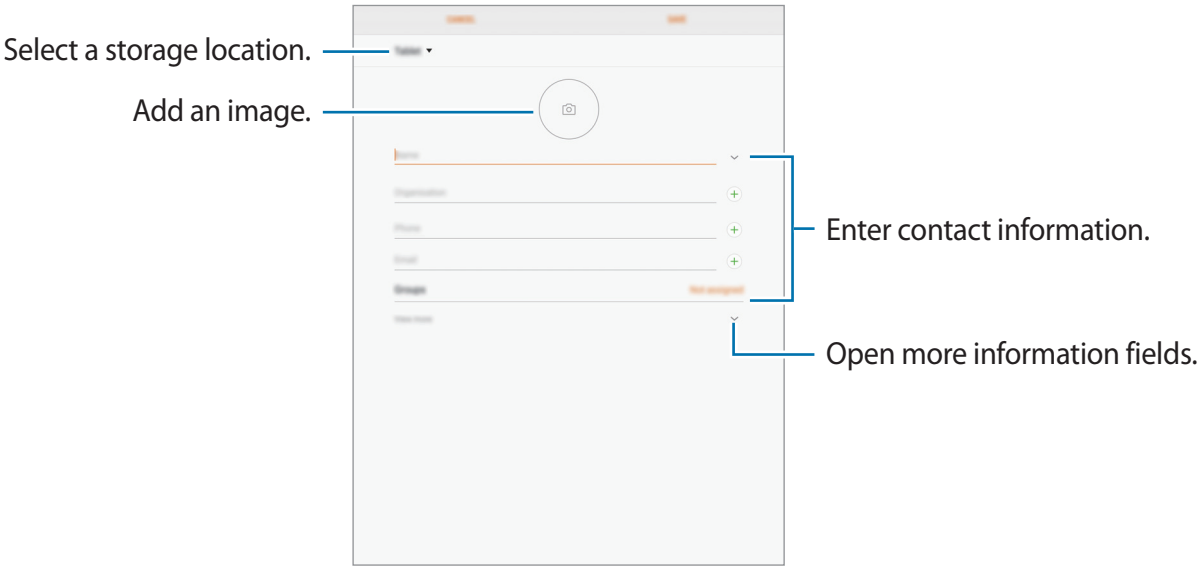
Create new contacts or manage contacts on the device.

Adding contacts

Creating a new contact

1 Launch the **Contacts** app, tap , and then select a storage location.

2 Enter contact information.



Depending on the selected storage location, the types of information you can save may vary.

3 Tap **SAVE**.

Adding a phone number to Contacts from the keypad

1 Launch the **Phone** app and enter a phone number.

If the keypad does not appear on the screen, tap to open the keypad.

2 Tap **CREATE CONTACT** to create a new contact, or tap **UPDATE EXISTING** to add the number to an existing contact.

Adding a phone number to Contacts from the calls list

1 Launch the **Phone** app and tap **RECENTS**.

2 Tap a phone number.

3 Tap **Create contact** to create a new contact, or tap **Update existing** to add the number to an existing contact.

Importing contacts

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

1 Launch the **Contacts** app and tap ⋮ → **Manage contacts** → **Import/Export contacts** → **IMPORT**.

2 Select a storage location to import contacts from.

3 Tick VCF files or contacts to import and tap **DONE**.

4 Select a storage location to save contacts to and tap **IMPORT**.

Syncing contacts with your web accounts

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

1 Launch the **Settings** app, tap **Cloud and accounts** → **Accounts**, and select the account to sync with.

2 Tap **Sync account** and tap the **Sync Contacts** switch to activate it. For the Samsung account, tap ⋮ → **Sync settings** and tap the **Contacts** switch to activate it.

Searching for contacts

Launch the **Contacts** app.

Use one of the following search methods:

- Scroll up or down the contacts list.
- Drag a finger along the index at the left side of the contacts list to scroll through it quickly.
- Tap the search field at the top of the contacts list and enter search criteria.

Once a contact is selected, take one of the following actions:

- ☆ : Add to favourite contacts.
- / : Make a voice or video call.
- : Compose a message.
- : Compose an email.

Sharing contacts

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

1 Launch the **Contacts** app and tap ⋮ → **Share**.

2 Tick contacts and tap **SHARE**.

3 Select a sharing method.

Merging duplicate contacts

When you import contacts from other storages, or sync or move contacts to other accounts, your contacts list may include duplicate contacts. Merge duplicate contacts into one to streamline your contacts list.

1 Launch the **Contacts** app and tap ⋮ → **Manage contacts** → **Merge contacts**.

2 Tick contacts and tap **MERGE**.

Deleting contacts

1 Launch the **Contacts** app and tap ⋮ → **Delete**.

2 Select contacts and tap **DELETE**.

Messages

Introduction

Send and view messages by conversation.

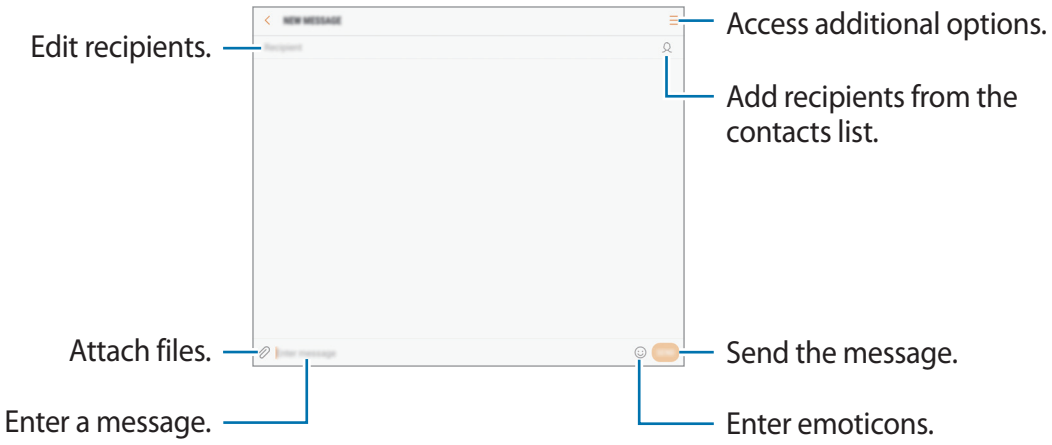
Sending messages

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

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

2 Add recipients and tap **COMPOSE**.

3 Enter a message.



4 Tap **SEND** to send the message.

Viewing messages

Messages are grouped into message threads by contact.

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

1 Launch the **Messages** app and tap **CONVERSATIONS**.

2 On the messages list, select a contact.

3 View your conversation.

To reply to the message, enter a message and tap **SEND**.

Blocking unwanted messages

Block messages from specific numbers added to your block list.

1 Launch the **Messages** app and tap ⋮ → **Settings** → **Block messages** → **Block numbers**.

2 Tap **INBOX** or **CONTACTS** to select contacts and tap ⊕.

To manually enter a number, tap **Enter number**, and then enter a phone number.

Setting the message notification

You can change notification sound, display options, and more.

1 Launch the **Messages** app, tap ⋮ → **Settings** → **Notifications**, and then tap the switch to activate it.

2 Change the notification settings.

Setting a message reminder

You can set an alert at an interval to let you know that you have unchecked notifications. If this feature is not activated, launch the **Settings** app, tap **Accessibility** → **Notification reminder**, and then tap the switch to activate it. Then, tap the **Messages** switch to activate it.

Internet

Introduction

Browse the Internet to search for information and bookmark your favourite webpages to access them conveniently.

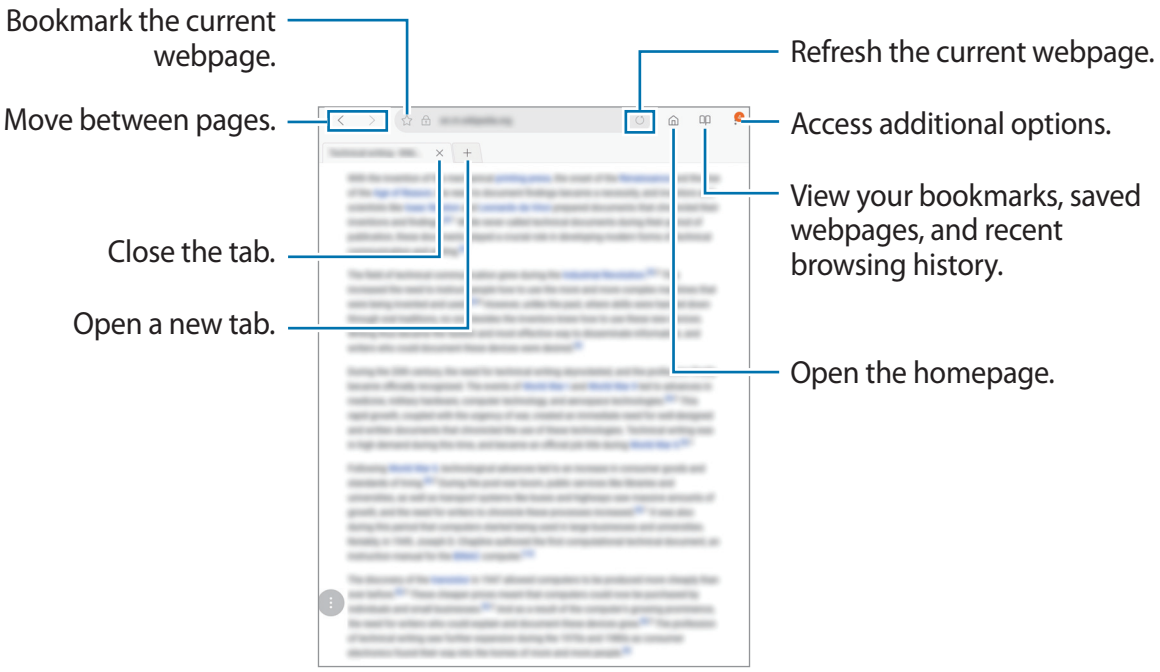
Browsing webpages

1 Launch the **Internet** app.

2 Tap the address field.

3 Enter the web address or a keyword, and then tap **Go**.

To view the toolbars, drag your finger downwards slightly on the screen.



Using secret mode

In secret mode, you can separately save and manage open tabs, bookmarks, and saved pages. You can lock secret mode using a password and your fingerprint.

Activating secret mode

Tap ⋮ → **Turn on Secret mode**. If you are using this feature for the first time, set whether to use a password for secret mode.

In secret mode, you cannot use some features, such as screen capture.

In secret mode, the device will change the colour of the toolbars.

Changing security settings

You can change your password or the lock method.

Tap ⋮ → **Settings** → **Privacy** → **Secret mode security** → **Change password**. To set your registered fingerprint as the lock method along with the password, tap the **Fingerprints** switch to activate it. Refer to Fingerprint recognition for more information about using your fingerprints.

Deactivating secret mode

Tap ⋮ → **Turn off Secret mode**.

Email

Setting up email accounts

Set up an email account when opening **Email** for the first time.

1 Launch the **Email** app.

2 Enter the email address and password, and then tap **SIGN IN**.

To manually register an email account, tap **MANUAL SETUP**.

3 Follow the on-screen instructions to complete the setup.

To set up another email account, tap ☰ → ⚙ → **Add account**.

If you have more than one email account, you can set one as the default account. Tap ☰ → ⚙ → ⋮ → **Set default account**.

Sending emails

1 Tap ✎ to compose an email.

2 Add recipients and enter an email text.

3 Tap **SEND** to send the mail.

Reading emails

When **Email** is open, the device will automatically retrieve new emails. To manually retrieve emails, swipe downwards on the screen.

Tap an email on the screen to read it.

If email syncing is disabled, new emails cannot be retrieved. To enable email syncing, tap ☰ → ⚙ → your account name, and then tap the **Sync account** switch to activate it.

Camera

Introduction

Take photos and record videos using various modes and settings.

Camera etiquette

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

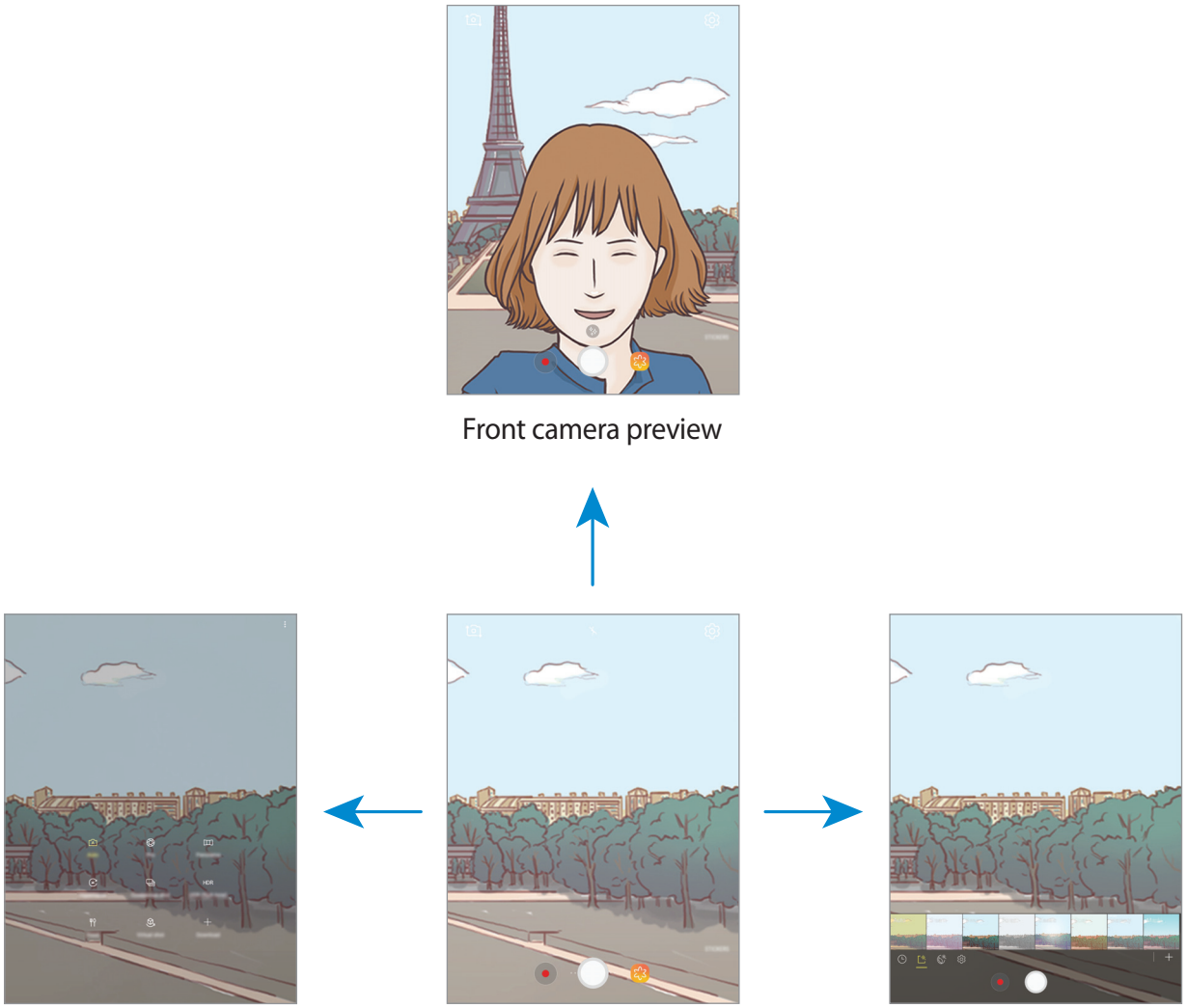
Launching Camera

Launch the **Camera** app.

Some camera features are not available when you launch **Camera** from the locked screen or when the screen is turned off while the security features are activated.

Using swipe gestures

Quickly control the preview screen by swiping in different directions. You can change the shooting mode, switch between cameras, or apply filter effects.



Switching cameras

On the preview screen, swipe upwards or downwards to switch between cameras.

Viewing shooting modes

On the preview screen, swipe from the left to the right to open the shooting modes list.

Viewing filter effects

One the preview screen, swipe from the right to the left to open the filter effects list. You can apply a unique feel to your photos or videos.

This feature is only available in some shooting modes.

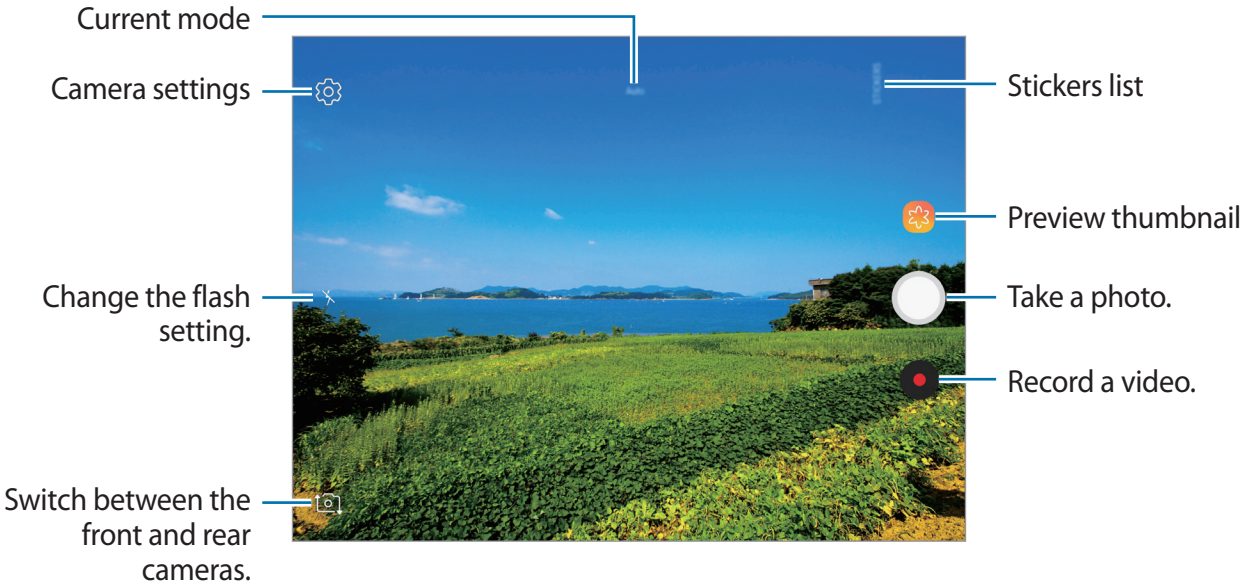
Basic shooting

Taking photos or recording videos

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

2 Tap to take a photo or tap to record a video.

- Spread two fingers apart on the screen to zoom in, and pinch to zoom out.
- To adjust the brightness of photos or videos, tap the screen. When the adjustment bar appears, drag on the adjustment bar towards + or —.
- To capture an image from the video while recording, tap .
- To change the focus while recording a video, tap where you want to focus. To focus on the centre of the screen, tap .



- The preview screen may vary depending on the shooting mode and which camera is being used.
- The camera automatically shuts off when unused.
- Make sure that the lens is clean. Otherwise, the device may not work properly in some modes that require high resolutions.
- The front camera features a wide-angle lens. Minor distortion may occur in wide-angle photos and does not indicate device performance problems.

Locking the focus and exposure

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.

Tap 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 photo.

This feature is only available in some shooting modes.

Customising shooting modes

On the preview screen, swipe to the right to open the shooting modes list and select a mode.

To view the description of each mode, tap ⋮ → **Information**.

To rearrange modes, tap ⋮ → **Edit**, tap and hold a mode icon, and then drag it to a new location.

Auto mode

Auto mode allows the camera to evaluate the surroundings and determine the ideal mode for the photo.

On the shooting modes list, tap **Auto**.

Pro mode

Take photos while manually adjusting various shooting options, such as exposure value and ISO value.

On the shooting modes list, tap **Pro**. Select options and customise the settings, and then tap to take a photo.

- WB : Select an appropriate white balance, so images have a true-to-life colour range. You can set the colour temperature.
- 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 photos.
- : Change the exposure value. This determines how much light the camera's sensor receives. For low-light situations, use a higher exposure.

Panorama

Take a series of photos horizontally or vertically and then stitch them together to create a wide scene.

On the shooting modes list, tap **Panorama**.

To get the best shots using panorama mode, follow these tips:

- Move the camera 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 photos.
- Avoid taking photos of indistinct backgrounds, such as an empty sky or a plain wall.

Hyperlapse

Record scenes, such as passing people or cars, and view them as fast-motion videos. The frame rate is automatically adjusted to record smoother, less shaky fast-motion videos while walking, travelling by vehicle, and more.

In this mode, auto focusing will not operate.

1 On the shooting modes list, tap **Hyperlapse**.

2 Tap and select a frame rate option.

If you set the frame rate to **Auto**, 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.

5 On the preview screen, tap the preview thumbnail and tap to view the video.

Selfie

Take self-portraits with the front camera. You can preview various beauty effects on the screen.

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

2 On the shooting modes list, tap **Selfie**.

3 Face the front camera lens.

4 When the device detects your face, show your palm to the front camera. After recognising your palm, a countdown timer will appear. When the time is up, the device will take a photo.

To use various shooting options for the front camera, tap → **Shooting methods**, and then tap the switches to activate them.

Applying beauty effects

You can modify facial features, such as your skin tone or face shape, before taking self-portraits.

This feature is available only in **Selfie** mode.

1 On the preview screen, tap .

2 Select the options below to apply beauty effects to your face on the preview screen and take a photo of yourself.

- **Skin tone**: Make your skin appear brighter and clearer.
- **Slim Face**: Adjust the face shape and make your face appear slimmer.
- **Large Eyes**: Make your eyes appear bigger.

Wide selfie

Take a wide self-portrait and include as many people in the photo as possible to avoid leaving people out.

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

2 On the shooting modes list, tap **Wide selfie**.

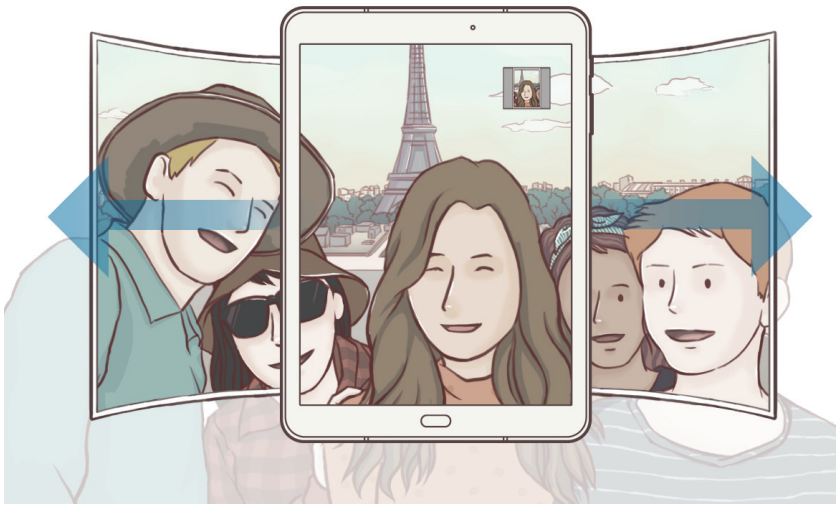
3 Face the front camera lens.

4 When the device detects your face, show your palm to the front camera. After recognising your palm, a countdown timer will appear. When the time is up, the device will take a photo.

To use various shooting options for the front camera, tap ⚙ → **Shooting methods**, and then tap the switches to activate them.

5 Slowly swivel the device left and then right or vice versa to take a wide self-portrait.

The device will take additional photos when the white frame moves to each end of the viewfinder window.



- Make sure to keep the white frame inside the viewfinder window.
- The subjects should remain still while taking wide self-portraits.
- The top and bottom parts of the image displayed on the preview screen may be cut out of the photo depending on the shooting conditions.

Continuous shot

Take a series of photos of moving subjects.

On the shooting modes list, tap **Continuous shot**.

Tap and hold ◯ to take several photos continuously.

HDR (Rich tone)

Take photos with rich colours and reproduce details even in bright and dark areas.

On the shooting modes list, tap **HDR (Rich tone)**.



Without effect



With effect

Food

Take photos of food with more vibrant colours.

1 On the shooting modes list, tap **Food**.

2 Tap the screen and drag the circular frame over the area to highlight.

The area outside the circular frame will be blurred.

To resize the circular frame, drag a corner of the frame.



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

4 Tap to take a photo.

Virtual shot

Take a series of photos while circling a subject to create a view of the subject from multi angles. You can view the subject from different angles by dragging your finger left or right on the photo.

1 On the shooting modes list, tap **Virtual shot**.

2 Place a subject in the centre of the preview screen and tap .

3 Move the device around the subject slowly in one direction to take more photos.

When the arrow becomes completely yellow or when you stop circling the subject, the device will automatically stop taking photos.



Viewing virtual shot photos

1 On the preview screen, tap the preview thumbnail.

2 Tap .

3 Drag your finger left or right on the screen, or slowly swivel the device left or right to view the subject from different angles.

Downloading modes

Download more shooting modes from **Galaxy Apps**.

On the shooting modes list, tap **Download**.

Some downloaded shooting modes do not have access to every feature.

Camera settings

Quick settings

On the preview screen, use the following quick settings.

The available options may vary depending on the shooting mode and which camera is being used.

- : Select a metering method. This determines how light values are calculated. **Centre-weighted** uses the light in the centre portion of the shot to calculate the exposure of the shot. **Spot** uses the light in a concentrated centre area of the shot to calculate the exposure of the shot. **Matrix** averages the entire scene.
- : Create motion panorama photos that can be played as videos. You can view the motion panorama photos at different angles by tilting the device or swiping on the screen.
- : Select a frame rate.
- : Activate or deactivate the flash.
- : Focus on a subject inside the circular frame and blur the image outside the frame.

Camera settings

On the preview screen, tap .

The available options may vary depending on the shooting mode and which camera is being used.

REAR CAMERA

- **Picture size**: Select a resolution for photos. Using a higher resolution will result in higher quality photos, but they will take up more memory.
- **Video size**: Select a resolution for videos. Using a higher resolution will result in higher quality videos, but they will take up more memory.
- **Timer**: Select the length of the delay before the camera automatically takes a photo.

FRONT CAMERA

- **Picture size**: Select a resolution for photos. Using a higher resolution will result in higher quality photos, but they will take up more memory.
- **Video size**: Select a resolution for videos. Using a higher resolution will result in higher quality videos, but they will take up more memory.
- **Save pictures as previewed**: Invert the image to create a mirror-image of the original scene, when taking photos with the front camera.
- **Shooting methods**: Select shooting options to use.
- **Timer**: Select the length of the delay before the camera automatically takes a photo.

COMMON

- **Video stabilisation**: Activate anti-shake to reduce or eliminate blurry image resulting from camera shake while recording a video.
- **Full screen view (16:9)**: Set the device to preview photos or videos using the full screen ratio.
- **Grid lines**: Display viewfinder guides to help composition when selecting subjects.
- **Location tags**: Attach a GPS location tag to the photo.



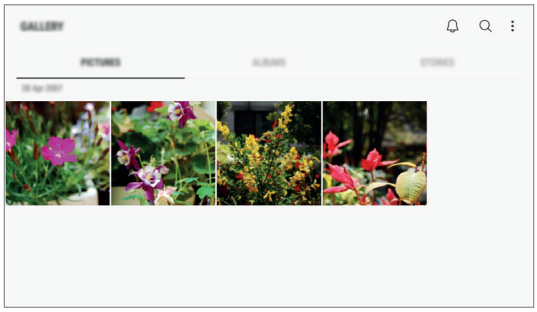
- GPS signal strength may decrease in locations where the signal is obstructed, such as between buildings or in low-lying areas, or in poor weather conditions.
- Your location may appear on your photos when you upload them to the Internet. To avoid this, deactivate the location tag setting.

- **Review pictures**: Set the device to show photos after capturing them.
- **Storage location**: Select the memory location for storage. This feature will appear when you insert a memory card.
- **Floating Camera button**: Add a camera button that you can place anywhere on the screen. This feature is available only in **Auto** and **Selfie** modes.
- **Volume key function**: Set the device to use the Volume key to control the shutter.
- **Reset settings**: Reset the camera settings.
- **Contact us**: Ask questions or view frequently asked questions.

Gallery

Introduction

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

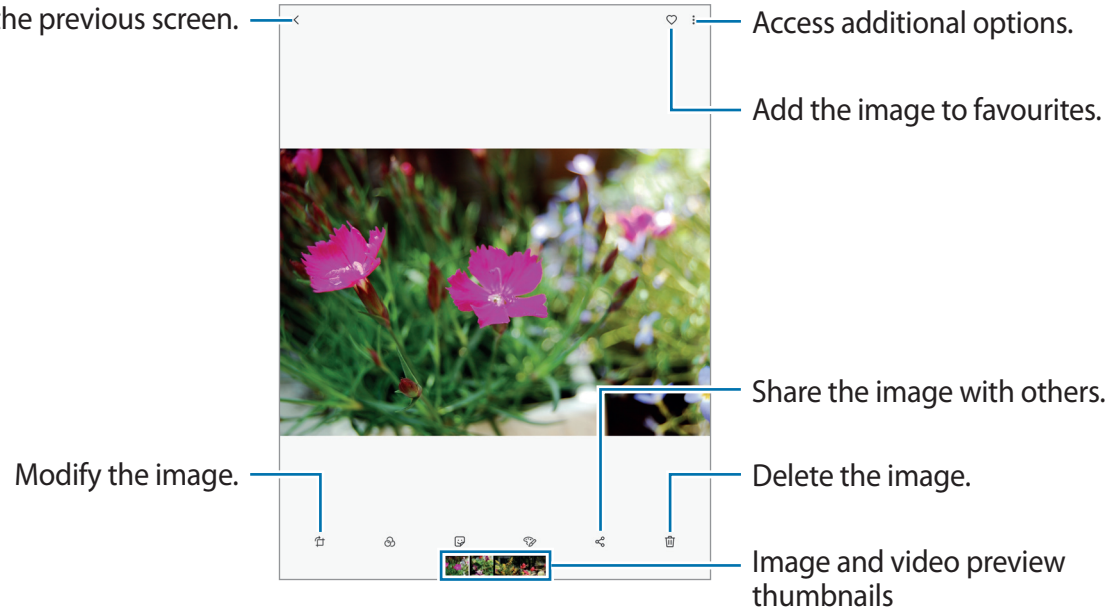


Viewing images and videos

Viewing images

1 Launch the **Gallery** app and tap **PICTURES**.

2 Select an image.



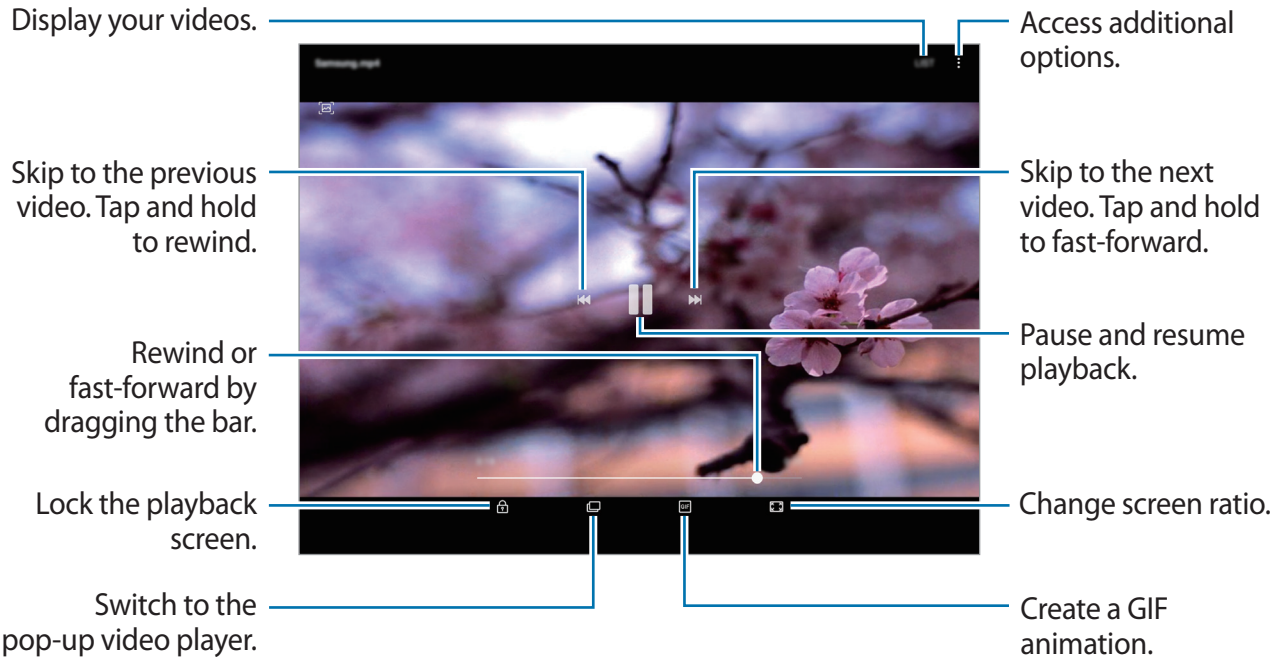
To hide or show the menus, tap the screen.

You can create a GIF animation or collage from multiple images. Tap ⋮ → **Animate** or **Collage**, and then select images. You can select up to six images for your collage.

Viewing videos

1 Launch the **Gallery** app and tap **PICTURES**.

2 Select a video to play. Video files show the ▶ icon on the preview thumbnail.



Drag your finger up or down on the left side of the playback screen to adjust the brightness, or drag your finger up or down on the right side of the playback screen to adjust the volume.

To rewind or fast-forward, swipe to the left or right on the playback screen.

Viewing albums

You can sort the images and videos saved in your device by folder or album. The animations or collages you have created will also be sorted in your folders on the albums list.

Launch the **Gallery** app, tap **ALBUMS**, and then select an album.

Viewing stories

When you capture or save images and videos, the device will read their date and location tags, sort the images and videos, and then create stories. To create stories automatically, you must capture or save multiple images and videos.

Creating stories

Create stories with various themes.

1 Launch the **Gallery** app and tap **STORIES**.

2 Tap ⋮ → **Create story**.

3 Tick images or videos to include in the story and tap **DONE**.

4 Enter a title for the story and tap **CREATE**.

To add images or videos to a story, select a story and tap **ADD**.

To remove images or videos from a story, select a story, tap ⋮ → **Edit**, tick images or videos to remove, and then tap ⋮ → **Remove from story**.

Deleting stories

1 Launch the **Gallery** app and tap **STORIES**.

2 Tap and hold a story to delete, and tap **DELETE**.

Syncing images and videos with Samsung Cloud

You can sync images and videos saved in **Gallery** with Samsung Cloud and access them from other devices. You must register and sign in to your Samsung account to use Samsung Cloud. Refer to Samsung account for more information.

Launch the **Gallery** app, tap ⋮ → **Settings**, and then tap the **Samsung Cloud** switch to activate it. Images and videos captured on the device will be automatically saved to Samsung Cloud.

Deleting images or videos

Deleting an image or a video

Select an image or a video and tap 🗑 at the bottom of the screen.

Deleting multiple images and videos

1 On the main Gallery screen, tap and hold an image or a video to delete.

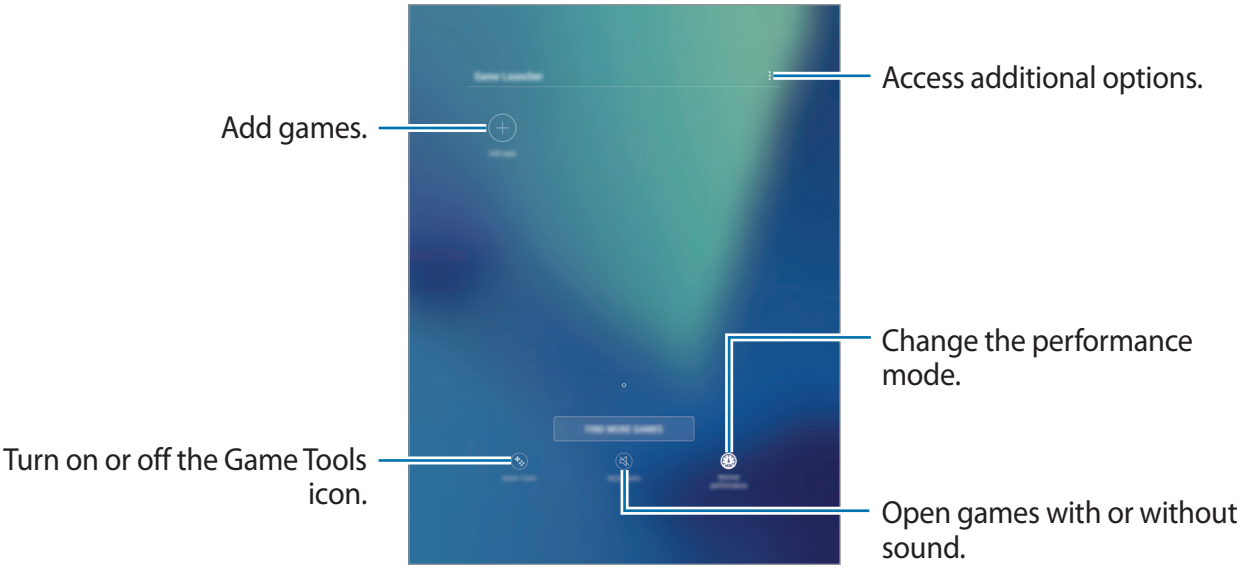
2 Tick the images or videos to delete.

3 Tap **DELETE**.

Game Launcher

Introduction

Game Launcher gathers your games downloaded from **Play Store** and **Galaxy Apps** into one place for easy access. You can set the device to game mode to play games more easily.



Using Game Launcher

1 Launch the **Settings** app, tap **Advanced features** → **Games** → **Game Launcher** and tap the switch to activate it.

Game Launcher will be added to the Home screen and the Apps screen.

When you deactivate the feature, **Game Launcher** will be removed from the Home screen and the Apps screen.

2 Launch the **Game Launcher** app.

3 Tap a game from the games list.

Games downloaded from **Play Store** and **Galaxy Apps** will be automatically shown on the Game Launcher screen. If you cannot see your games, tap **Add apps**.

Removing a game from Game Launcher

Tap and hold a game and tap **Remove**.

Changing the performance mode

You can change the game performance mode.

Launch the **Game Launcher** app, tap **Normal performance**, and then tap the button repeatedly to select the mode you want.

- **Normal performance**: Power saving mode or high performance mode is not used.
- **High performance**: This improves system performance but it will increase the battery power consumption.
- **Save power**: This decreases the battery power consumption but it will reduce the system performance.

Battery power efficiency may vary by game.

Using Game Tools

You can set the Game Tools icon to be displayed as a floating icon on game screens.

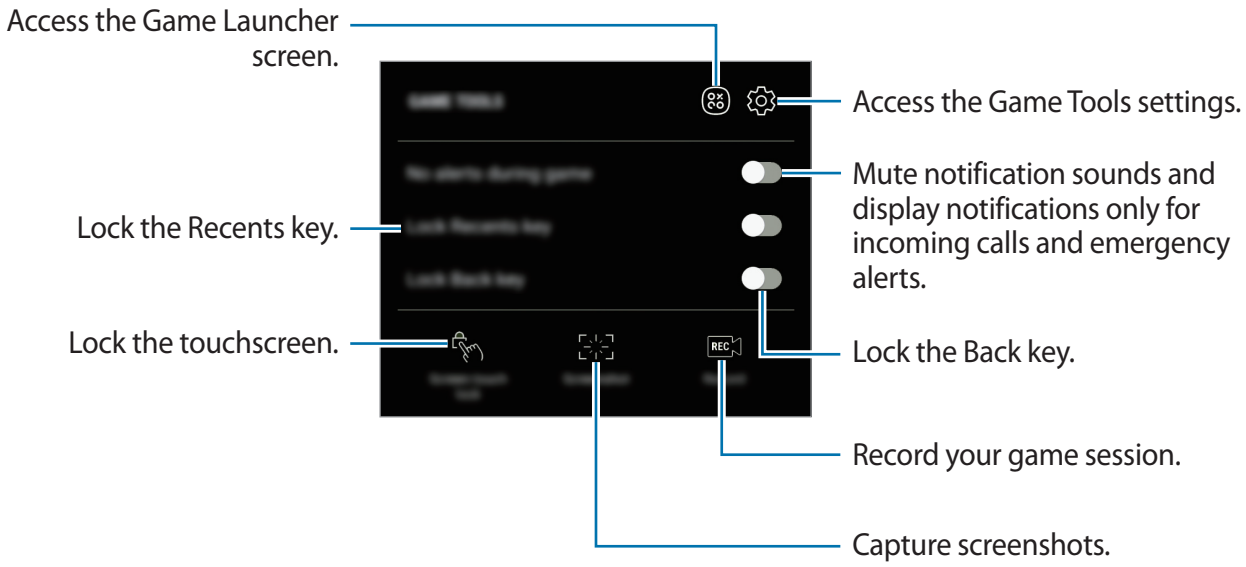
Launch the **Settings** app, tap **Advanced features** → **Games** and tap the **Game Tools** switch to activate it.

While playing a game, tap to display the game tools.

To move the icon, tap and drag it to a new location.

To hide the icon from the current game screen, tap and hold and drag it to **Hide** at the top of the screen.

To show the icon on the game screen again, open the notification panel and tap the Game Tools notification.



Blocking notifications during games

Tap and tap the **No alerts during game** switch to activate it. The device will mute notification sounds and display only notifications for incoming calls and emergency alerts, so that you can enjoy your games without being disturbed. If you receive an incoming call, a small notification will appear at the top of the screen.

Samsung Notes

Introduction

Create notes by entering text from the keyboard or by writing or drawing on the screen with the S Pen. You can also insert images or voice recordings into your notes.

Creating notes

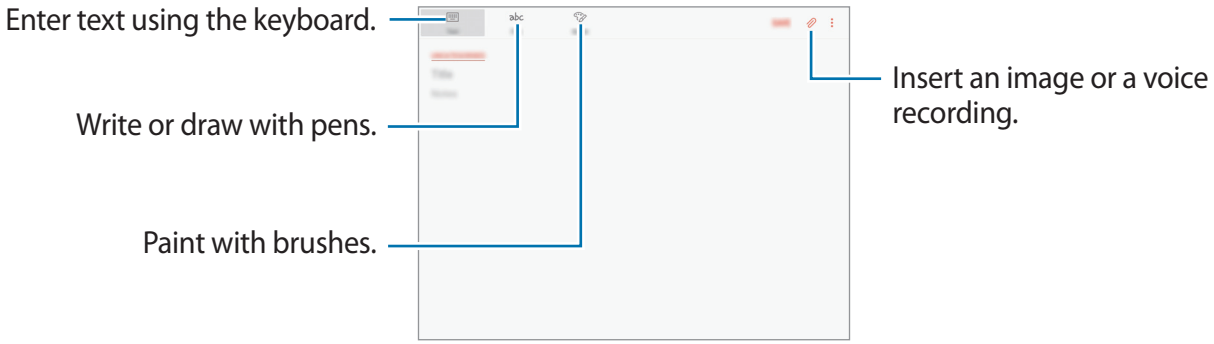
1 Launch the **Samsung Notes** app and tap **ALL** → +.

You can also open the Air command panel and tap the **Create note** shortcut.

2 Select an input method from the toolbar at the top of the screen and compose a note.

Tap 📎 → **Image** to insert an image by selecting from **Gallery** or by taking a photo.

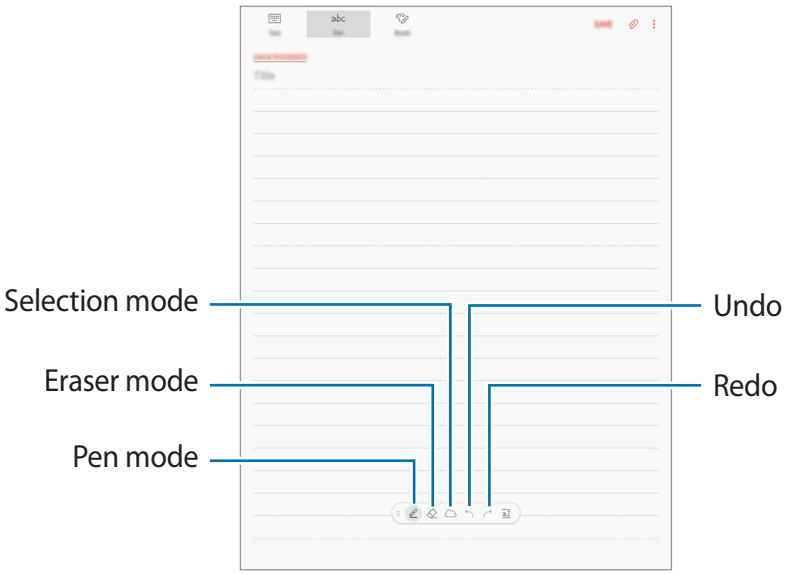
Tap 📎 → **Voice** to record a voice recording and insert it into the note. Voice recording will start immediately.



3 When you are finished composing the note, tap **SAVE**.

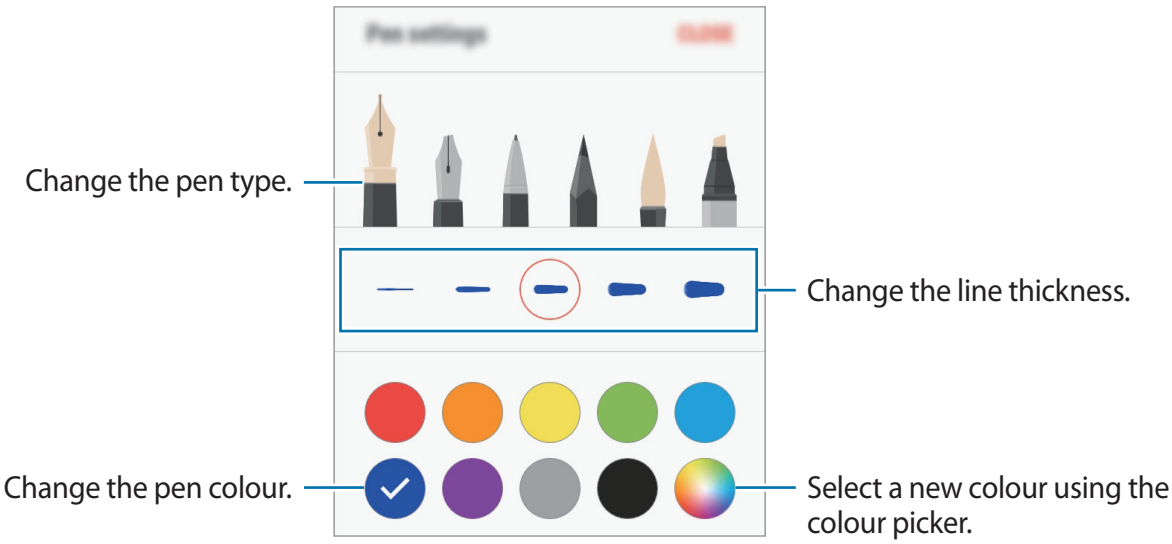
Composing notes in handwriting mode

On the note composer screen, tap **Pen** to write or draw with the S Pen.



Changing the pen settings

When writing or drawing on the screen, tap to change the pen type, line thickness, or pen colour.



Using the line eraser

1 When you want to erase handwriting from a note, tap .

2 Tap an area to erase.

The whole line on the area will be erased. The line eraser can erase your note line by line.

- To only erase the area you touch with the S Pen, tap ◇ once more and tap **Erase by area**. You can adjust the size of the eraser by dragging the size adjustment bar.
- To clear the note, tap **ERASE ALL**.

- You can also erase an area in pen mode by tapping it while pressing and holding the S Pen button.
- Even with a smaller eraser, you may still not be able to precisely erase the intended part.

Editing handwritten notes

Edit handwritten notes using various editing options, such as cutting, moving, resizing, or transforming.

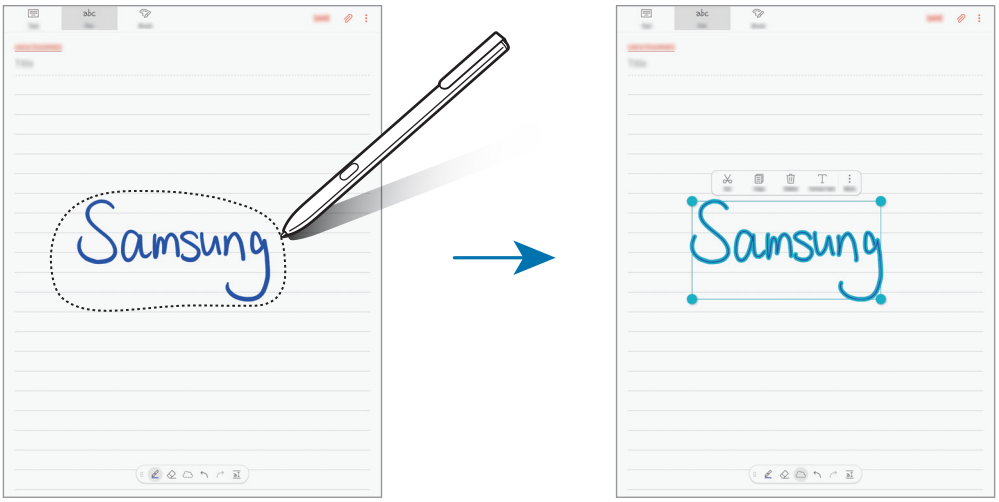
1 When there is handwriting on the note, tap ☁.

To change the shape of the selection, tap ☁ once more.

2 Tap or draw a line around the input to select.

To move the input to another location, select the input, and then drag it to a new location.

To change the size of the selection, tap the input and drag a corner of the frame that appears.



3 Edit the input using the available options.

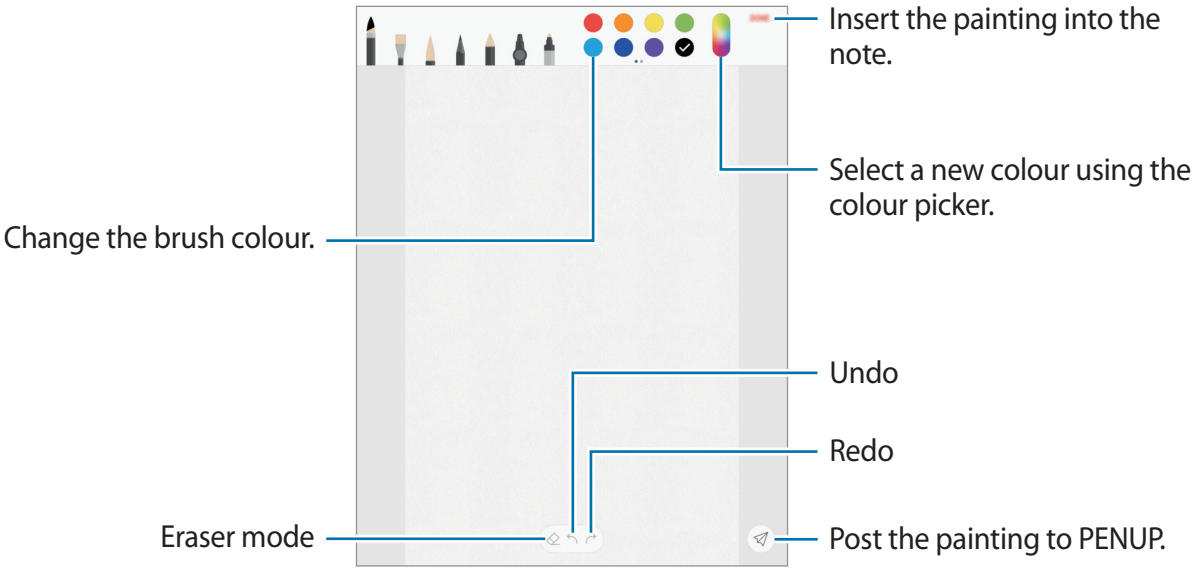
- **Cut**: Cut out the input. To paste it to another location, tap and hold the location, and then tap **Paste**.
- **Copy**: Copy the input. To paste it to another location, tap and hold the location, and then tap **Paste**.
- **Delete**: Delete the input.
- **Extract text**: Extract text from the selected area. To paste or copy the text to a note, tap **PASTE TO NOTE** or **COPY**.
- **More** → **Move to front**: Send the input to the front.
- **More** → **Move to back**: Send the input to the back.

Painting with brushes

On the note composer screen, tap **Brush** to paint with various brushes.

When you are finished, tap **DONE** to insert your painting into the note.

You can post your painting to PENUP to share it with others.



Inserting images into a note

On the note composer screen, tap → **Image**. Tap **CAMERA** → to take a photo, or tap **GALLERY** or **OTHER** to select an image. The image will be inserted into your note.

Inserting voice recordings into a note

On the note composer screen, tap → **Voice** to make a voice recording. Tap to stop recording. The voice recording will be inserted into your note.

Pinning a note to the Home screen

Pin a note to the Home screen to quickly view it or open and edit it.

1 Launch the **Samsung Notes** app, tap **ALL** or **COLLECTIONS**, and then select a category.

2 Select a note and tap → **Pin to home screen**.

The note will be added to the Home screen.

On the Home screen, tap and hold a note to move or resize it. To replace the note with another one, tap → **CHANGE NOTE**.

Deleting notes

1 Launch the **Samsung Notes** app, tap **ALL**, or tap **COLLECTIONS**, and then select a category.

2 Tap and hold a note to delete.

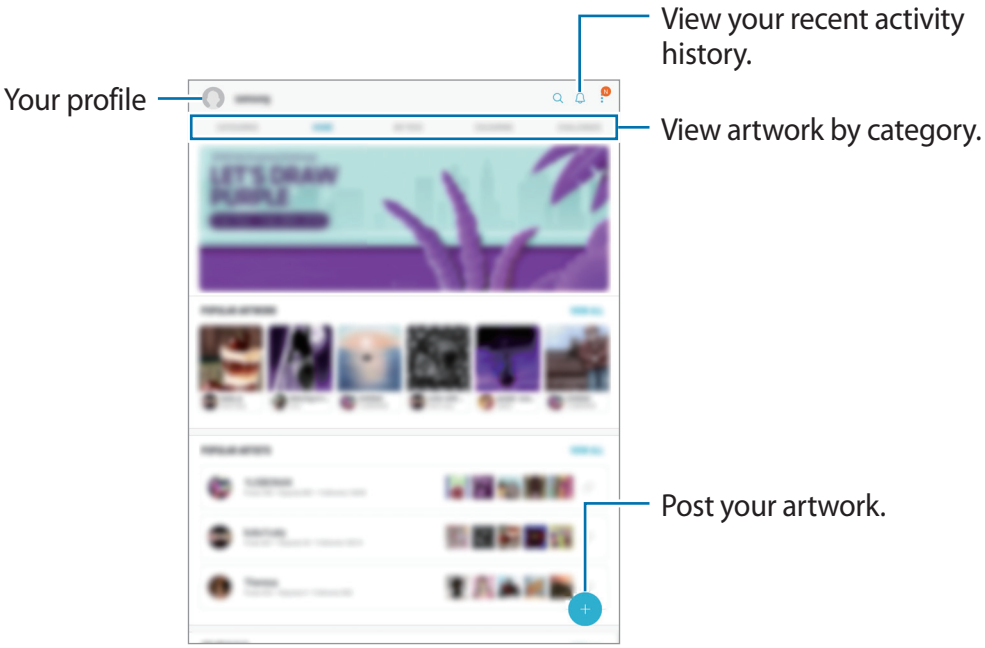
To delete multiple notes, tick more notes to delete.

3 Tap .

PENUP

Introduction

PENUP is a social network service for sharing artwork drawn with the S Pen. Post your artwork, view others' artwork, and get useful drawing tips.



You can sign in to PENUP with your Samsung or Google account or other SNS accounts.

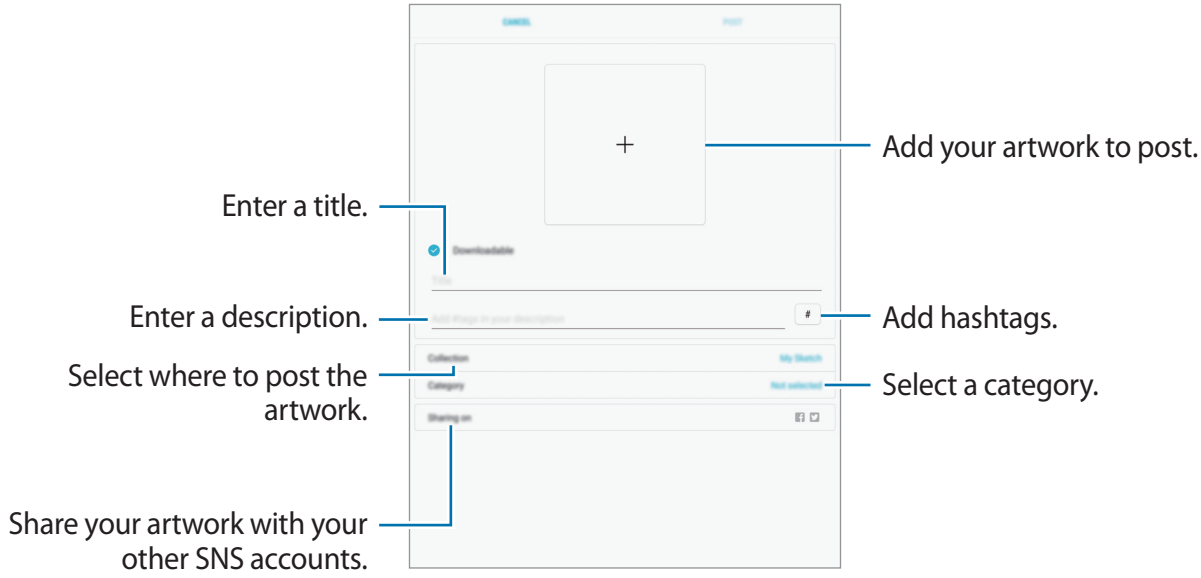
Posting your artwork

Post your artwork created in **Samsung Notes** or other drawing apps to PENUP.

1 Launch the **PENUP** app and tap .

2 To post artwork from **Gallery**, tap **From Gallery**, select your artwork to post, and then tap **DONE**. To post new artwork, tap **Drawing**, draw artwork, and then tap **DONE**.

3 Enter a title, description, and hashtag.



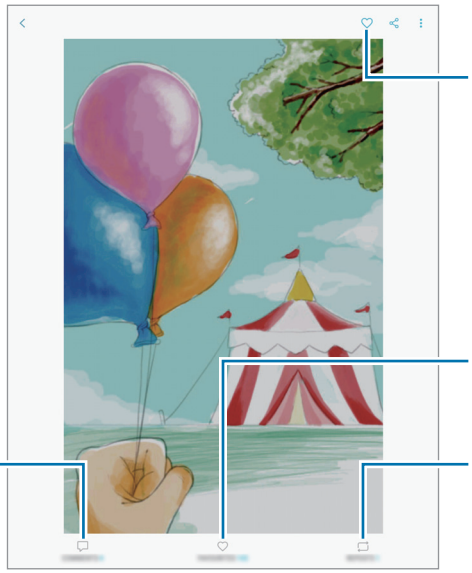
4 Tap **POST**.

Posting artwork from other apps

To post your artwork from **Gallery** or other drawing apps, select the artwork from an app and tap → **PENUP**.

Viewing artwork

Select a post you want to view. While viewing artwork, you can add comments or set it as a favourite. You can also download artwork or set one as your wallpaper.



To download artwork, tap ⋮ → **Save artwork**. Downloaded artwork will be saved in **Gallery**. You can only download artwork permitted by owners.

Calendar

Introduction

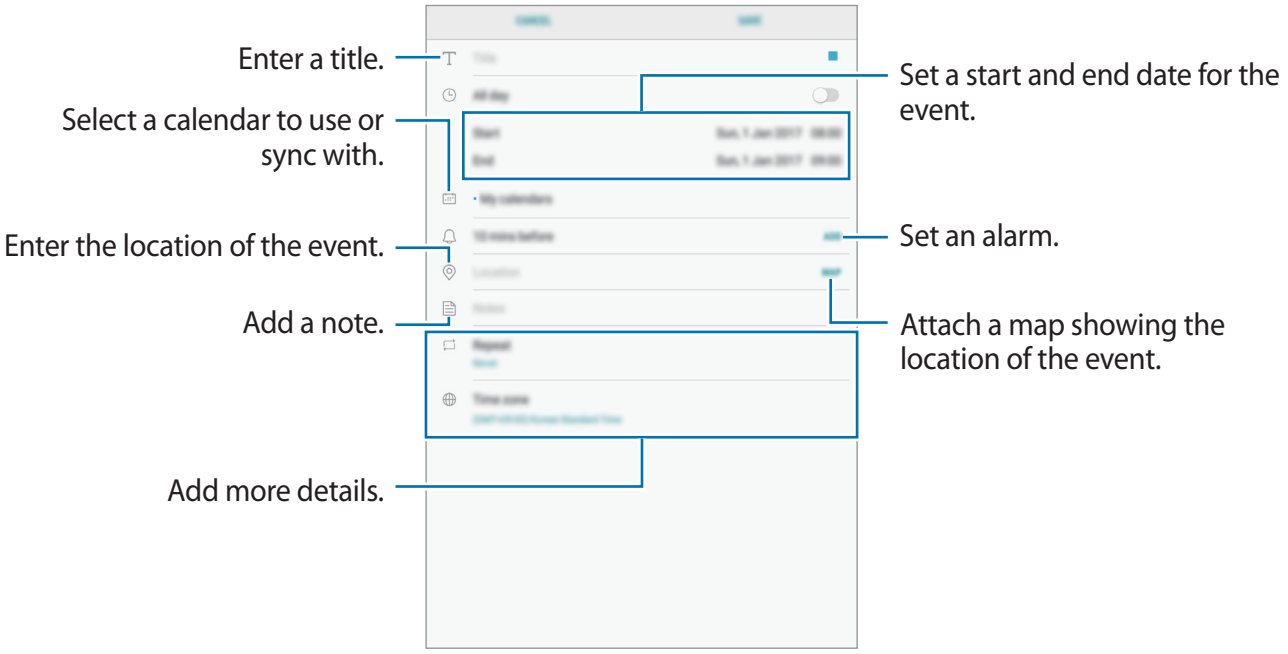
Manage your schedule by entering upcoming events or tasks in your planner.

Creating events

1 Launch the **Calendar** app and tap + or double-tap a date.

If the date already has saved events or tasks in it, tap the date and tap +.

2 Enter event details.



3 Tap **SAVE** to save the event.

Creating tasks

1 Launch the **Calendar** app and tap **VIEW** → **Tasks**.

2 Tap + and enter task details.

3 Tap **SAVE** to save the task.

Syncing events and tasks with your accounts

1 Launch the **Settings** app, tap **Cloud and accounts** → **Accounts**, and select the account to sync with.

2 Tap **Sync account** and tap the **Sync Calendar** switch to activate it.

For the Samsung account, tap ⋮ → **Sync settings** and tap the **Calendar** switch to activate it.

To add accounts to sync with, launch the **Calendar** app and tap ⋮ → **Manage calendars** → **Add account**. Then, select an account to sync with and sign in. When an account is added, it will appear on the list.

Samsung Flow

Introduction

Samsung Flow allows you to easily connect your tablet to your smartphone. You can share contents between the connected devices.

Samsung Flow must be installed on both devices that you want to connect. If Samsung Flow is not installed, download it from **Galaxy Apps** or **Play Store**.

This feature is only available on some Samsung Android devices.

Connecting your tablet and smartphone

1. On your smartphone, launch the **Samsung Flow** app.
2. On your tablet, launch the **Samsung Flow** app.
3. Tap **SCAN FOR DEVICES**.
4. Select your smartphone from the detected devices list, and then tap **CONNECT**.

My Files

Access and manage various files stored in the device or in other locations, such as cloud storage services.

Launch the **My Files** app.

View files that are stored in each storage. You can also view files in your device or a memory card by category.

To free up the device's storage, tap → **Get more space**.

To search for files or folders, tap the search field, and then enter a keyword. Alternatively, tap , and then speak a keyword.

Clock

Introduction

Set alarms, check the current time in many cities around the world, time an event, or set a specific duration.

ALARM

Launch the **Clock** app and tap **ALARM**.

Setting alarms

Tap + in the alarms list, set an alarm time, select the days on which the alarm will repeat, set other various alarm options, and then tap **SAVE**.

To open the keypad to enter an alarm time, tap the time input field.

To activate or deactivate alarms, tap the switch next to the alarm in the alarms list.

Stopping alarms

Tap **DISMISS** to stop an alarm. If you have previously enabled the snooze option, tap **SNOOZE** to repeat the alarm after a specified length of time.

Deleting alarms

Tap and hold an alarm, tick alarms to delete, and then tap **DELETE**.

WORLD CLOCK

Launch the **Clock** app and tap **WORLD CLOCK**.

Creating clocks

Tap +, enter a city name or select a city from the globe, and then tap **ADD**.

Deleting clocks

Tap and hold a clock, tick clocks to delete, and then tap **DELETE**.

STOPWATCH

1 Launch the **Clock** app and tap **STOPWATCH**.

2 Tap **START** to time an event.

To record lap times while timing an event, tap **LAP**.

3 Tap **STOP** to stop timing.

To restart the timing, tap **RESUME**.

To clear lap times, tap **RESET**.

TIMER

1 Launch the **Clock** app and tap **TIMER**.

2 Set the duration, and then tap **START**.

To open the keypad to enter the duration, tap the duration input field.

3 Tap **DISMISS** when the timer goes off.

Calculator

Perform simple or complex calculations.

Launch the **Calculator** app.

To clear the history, tap **CLEAR HISTORY**.

Google apps

Google provides entertainment, social network, and business apps. You may require a Google account to access some apps. Refer to Accounts for more information.

To view more app information, access each app's help menu.

Some apps may not be available or may be labelled differently depending on the region or service provider.

Chrome

Search for information and browse webpages.

Gmail

Send or receive emails via the Google Mail service.

Maps

Find your location on the map, search the world map, and view location information for various places around you.

Play Music

Discover, listen to, and share music on your device. You can upload music collections stored on your device to the cloud and access them later.

Play Movies & TV

Purchase or rent videos, such as movies and TV programmes, from **Play Store**.

Drive

Store your content on the cloud, access it from anywhere, and share it with others.

YouTube

Watch or create videos and share them with others.

Photos

Search for, manage, and edit all your photos and videos from various sources in one place.

Duo

Have video calls with others.

Google

Search quickly for items on the Internet or your device.

Settings

Introduction

Customise settings for functions and apps. You can make your device more personalised by configuring various setting options.

Launch the **Settings** app.

To search for settings by entering keywords, tap .

Connections

Wi-Fi

Activate the Wi-Fi feature to connect to a Wi-Fi network and access the Internet or other network devices.

Turn off Wi-Fi to save the battery when not in use.

Connecting to a Wi-Fi network

1 On the Settings screen, tap **Connections** → **Wi-Fi**, and then tap the switch to activate it.

2 Select a network from the Wi-Fi networks list.

Networks that require a password appear with a lock icon.

3 Tap **CONNECT**.

- Once the device connects to a Wi-Fi network, the device will reconnect to that network each time it is available without requiring a password. To prevent the device connecting to the network automatically, select it from the list of networks and tap **FORGET**.
- If you cannot connect to a Wi-Fi network properly, restart your device's Wi-Fi feature or the wireless router.

Wi-Fi Direct

Wi-Fi Direct connects devices directly via a Wi-Fi network without requiring an access point.

1 On the Settings screen, tap **Connections** → **Wi-Fi**, and then tap the switch to activate it.

2 Tap **Wi-Fi Direct**.

The detected devices are listed.

If the device you want to connect to is not in the list, request that the device turns on its Wi-Fi Direct feature.

3 Select a device to connect to.

The devices will be connected when the other device accepts the Wi-Fi Direct connection request.

Sending and receiving data

You can share data, such as contacts or media files, with other devices. The following actions are an example of sending an image to another device.

1 Launch the **Gallery** app and select an image.

2 Tap → **Wi-Fi Direct** and select a device to transfer the image to.

3 Accept the Wi-Fi Direct connection request on the other device.

If the devices are already connected, the image will be sent to the other device without the connection request procedure.

Ending the device connection

1 On the Settings screen, tap **Connections** → **Wi-Fi**.

2 Tap **Wi-Fi Direct**.

The device displays the connected devices in the list.

3 Tap the device name to disconnect the devices.

Bluetooth

Use Bluetooth to exchange data or media files with other Bluetooth-enabled devices.

- Samsung is not responsible for the loss, interception, or misuse of data sent or received via Bluetooth.
- Always ensure that you share and receive data with devices that are trusted and properly secured. If there are obstacles between the devices, the operating distance may be reduced.
- Some devices, especially those that are not tested or approved by the Bluetooth SIG, may be incompatible with your device.
- Do not use the Bluetooth feature for illegal purposes (for example, pirating copies of files or illegally tapping communications for commercial purposes).

  Samsung is not responsible for the repercussion of illegal use of the Bluetooth feature.

Pairing with other Bluetooth devices

1 On the Settings screen, tap **Connections** → **Bluetooth**, and then tap the switch to activate it.

The detected devices are listed.

2 Select a device to pair with.

If the device you want to pair with is not in the list, request that the device turns on its visibility option. Refer to the other device's user manuals.

Your device is visible to other devices while the Bluetooth settings screen is open.

3 Accept the Bluetooth connection request on your device to confirm.

The devices will be connected when the other device accepts the Bluetooth connection request.

Sending and receiving data

Many apps support data transfer via Bluetooth. You can share data, such as contacts or media files, with other Bluetooth devices. The following actions are an example of sending an image to another device.

1 Launch the **Gallery** app and select an image.

2 Tap → **Bluetooth**, and then select a device to transfer the image to.

If your device has paired with the device before, tap the device name without confirming the auto-generated passkey.

If the device you want to pair with is not in the list, request that the device turns on its visibility option.

3 Accept the Bluetooth connection request on the other device.

Unpairing Bluetooth devices

1 On the Settings screen, tap **Connections** → **Bluetooth**.

The device displays the paired devices in the list.

2 Tap ⚙ next to the device name to unpair.

3 Tap **Unpair**.

Tablet visibility

Allow other devices to find your device to share content with you. When this feature is activated, your device will be visible to other devices when they search for available devices using their Transfer files to device option.

On the Settings screen, tap **Connections** and tap the **Tablet visibility** switch to activate it.

Data usage

Keep track of your data usage amount and customise the settings for the limitation.

On the Settings screen, tap **Connections** → **Data usage**.

- **Data saver**: Prevent apps that are running in the background from using a mobile data connection.
- **Mobile data**: Set the device to use data connections on any mobile network.
- **Mobile data usage**: Monitor your mobile data usage.
- **Billing cycle and data warning**: Set a limit for mobile data usage.
- **Wi-Fi data usage**: Monitor your Wi-Fi data usage.
- **Restrict networks**: Select Wi-Fi networks to prevent apps running in the background from using them.

To change the monthly reset date for the monitoring period, tap **Billing cycle and data warning** → **Start billing cycle on**.

Limiting data usage

Set the device to automatically disable the mobile data connection when the amount of mobile data you have used reaches your specified limit.

1 On the Settings screen, tap **Connections** → **Data usage** → **Billing cycle and data warning**, and then tap the **Set data limit** switch to activate it.

2 Tap **Data limit**, enter the limit, and then tap **SET**.

3 Tap **Data warning**, enter a data usage alert level, and then tap **SET**.

The device will alert you when the warning level is reached.

Flight mode

This disables all wireless functions on your device. You can use only non-network services.

On the Settings screen, tap **Connections** and tap the **Flight mode** switch to activate it.

Follow the regulations provided by the airline and the instructions of aircraft personnel. In cases where it is allowed to use the device, always use it in flight mode.

Mobile Hotspot and Tethering

Use the device as a mobile hotspot to share the device's mobile data connection with other devices when the network connection is not available. Connections can be made via Wi-Fi, USB, or Bluetooth.

On the Settings screen, tap **Connections** → **Mobile Hotspot and Tethering**.

You may incur additional charges when using this feature.

- **Mobile Hotspot**: Use the mobile hotspot to share the device's mobile data connection with computers or other devices.
- **Bluetooth tethering**: Use Bluetooth tethering to share the device's mobile data connection with computers or other devices via Bluetooth.
- **USB tethering**: Use USB tethering to share the device's mobile data connection with a computer via USB. When connected to a computer, the device is used as a wireless modem for the computer.

Using the mobile hotspot

Use your device as a mobile hotspot to share your device's mobile data connection with other devices.

1 On the Settings screen, tap **Connections** → **Mobile Hotspot and Tethering** → **Mobile Hotspot**.

2 Tap the switch to activate it.

The icon appears on the status bar. Other devices can find your device in the Wi-Fi networks list.

To set a password for the mobile hotspot, tap ⋮ → **Configure Mobile Hotspot** and select the level of security. Then, enter a password and tap **SAVE**.

3 On the other device's screen, search for and select your device from the Wi-Fi networks list.

4 On the connected device, use the device's mobile data connection to access the Internet.

Mobile networks

Configure your mobile network settings.

On the Settings screen, tap **Connections** → **Mobile networks**.

- **Data roaming**: Set the device to use data connections when you are roaming.
- **Network mode**: Select a network type.
- **Access Point Names**: Set up access point names (APNs).
- **Network operators**: Search for available networks and manually register a network.

Location

Change settings for location information permissions.

On the Settings screen, tap **Connections** → **Location**.

- **Locating method**: Select a network to use for locating your device.
- **Improve accuracy**: Set the device to use the Wi-Fi or Bluetooth feature to increase the accuracy of your location information, even when the features are deactivated.
- **RECENT LOCATION REQUESTS**: View which apps request your current location information and their battery usage.
- **LOCATION SERVICES**: View the location services your device is using.

More connection settings

Customise settings to control other features.

On the Settings screen, tap **Connections** → **More connection settings**.

- **Nearby device scanning**: Set the device to scan for nearby devices to connect to.
- **Printing**: Configure settings for printer plug-ins installed on the device. You can search for available printers or add one manually to print files. Refer to Printing for more information.
- **Download booster**: Set the device to download files larger than 30 MB, faster via Wi-Fi and mobile networks simultaneously. Refer to Download booster for more information.
- **VPN**: Set up and connect to virtual private networks (VPNs).
- **Ethernet**: The Ethernet option is available when an Ethernet adaptor is connected to the device. Use this option to activate the Ethernet feature and configure network settings.

Printing

Configure settings for printer plug-ins installed on the device. You can connect the device to a printer via Wi-Fi or Wi-Fi Direct, and print images or documents.

Some printers may not be compatible with the device.

Adding printer plug-ins

Add printer plug-ins for printers you want to connect the device to.

1 On the Settings screen, tap **Connections** → **More connection settings** → **Printing** → **Add service**.

2 Search for a printer plug-in in **Play Store**.

3 Select a printer plug-in and install it.

4 Select the printer plug-in and tap the switch to activate it.

The device searches for printers that are connected to the same Wi-Fi network as your device.

5 Select a printer to add.

To add printers manually, tap ⋮ → **Add printer**.

Printing content

While viewing content, such as images or documents, access the options list, tap **Print** → ▼ → **All printers...**, and then select a printer.

Printing methods may vary depending on the content type.

Download booster

Set the device to download files larger than 30 MB, faster via Wi-Fi and mobile networks simultaneously. A stronger Wi-Fi signal will provide a faster download speed.

On the Settings screen, tap **Connections** → **More connection settings** → **Download booster**.

- This feature may not be supported by some devices.
- You may incur additional charges when downloading files via the mobile network.
- When you download large files, the device may heat up. If the device exceeds a set temperature, the feature will turn off.
- If network signals are unstable, the speed and performance of this feature may be affected.
- If the Wi-Fi and mobile network connections have significantly different data transfer speeds, the device may use only the fastest connection.
- This feature supports Hypertext Transmission Protocol (HTTP) 1.1 and Hypertext Transmission Protocol Secure (HTTPS). The feature cannot be used with other protocols, such as FTP.

Sounds and vibration

Options

Change settings for various sounds on the device.

On the Settings screen, tap **Sounds and vibration**.

- **Sound mode**: Set the device to use sound mode or silent mode.
- **Vibrate while ringing**: Set the device to vibrate and play a ringtone for incoming calls.
- **Use Volume keys for media**: Set the device to adjust the media volume level when you press the Volume key.
- **Volume**: Adjust the volume level for call ringtones, music and videos, system sounds, and notifications.
- **Vibration intensity**: Adjust the force of the vibration notification.
- **Ringtone**: Change the call ringtone.

- **Vibration pattern**: Select a vibration pattern.
- **Notification sounds**: Change the notification sound settings.
- **Do not disturb**: Set the device to mute incoming calls, notification sounds, and media, except for allowed exceptions.
- **Touch sounds**: Set the device to sound when you select an app or option on the touchscreen.
- **Screen lock sounds**: Set the device to sound when you lock or unlock the touchscreen.
- **Charging sound**: Set the device to sound when it is connected to a charger.
- **Vibration feedback**: Set the device to vibrate when you tap or and for other actions, such as tapping and holding items.
- **Dialling keypad tones**: Set the device to sound when you tap the buttons on the keypad.
- **Keyboard sound**: Set the device to sound when a key is touched.
- **Keyboard vibration**: Set the device to vibrate when a key is touched.
- **Sound quality and effects**: Configure additional sound settings.

  You can also activate the surround sound mode. Refer to Dolby Atmos (surround sound) for more information.
- **Separate app sound**: Set the device to play media sound from a specific app on the connected Bluetooth speaker or headset separate from the sound of other apps. For example, you can listen to the Navigation app through your device's speaker while listening to playback from the Music app through the vehicle's Bluetooth speaker.

Dolby Atmos (surround sound)

Select a surround sound mode optimised for various types of audio, such as movies, music, and voice. With Dolby Atmos, you can experience moving audio sounds that flows all around you.

On the Settings screen, tap **Sounds and vibration** → **Sound quality and effects** → **Dolby Atmos**, tap the switch to activate it, and then select a mode.

Notifications

Change the notification settings for each app.

On the Settings screen, tap **Notifications**.

To display icon badges, tap the **App icon badges** switch to activate it. To customise the settings, tap **App icon badges**.

To customise notification settings, tap **ADVANCED** and select an app.

Display

Options

Change the display and the Home screen settings.

On the Settings screen, tap **Display**.

- **Brightness**: Adjust the brightness of the display.
- **Auto brightness**: Adjust the brightness of the display automatically.
- **Blue light filter**: Activate the blue light filter and change the filter settings. Refer to Blue light filter for more information.
- **Font and screen zoom**: Change the screen zoom setting or font size and style.
- **Screen mode**: Change the screen mode to adjust the display's colour and contrast.
- **Home screen**: Change the Home screen settings.
- **Icon frames**: Set whether to display shaded backgrounds to make icons stand out.
- **Status bar**: Customise the settings for displaying notifications or indicators on the status bar.
- **Screen timeout**: Set the length of time the device waits before turning off the display's backlight.
- **Screensaver**: Set the device to launch a screensaver when the device is charging or connected to a dock.

Blue light filter

Reduce eye strain by limiting the amount of blue light emitted by the screen.

While you are watching HDR videos from HDR-exclusive video services, such as Amazon video, the blue light filter will not be applied.

1 On the Settings screen, tap **Display** → **Blue light filter**, and then tap the **Turn on now** switch to activate it.

2 Drag the adjustment bar to adjust the filter's opacity.

3 To set the schedule to apply the blue light filter to the screen, tap the **Turn on as scheduled** switch to activate it and select an option.

- **Sunset to sunrise**: Set the device to apply the blue light filter at night and turn it off in the morning, based on your location.
- **Custom schedule**: Set a specific time to apply the blue light filter.

Wallpaper

Change the wallpaper settings for the Home screen and the locked screen.

On the Settings screen, tap **Wallpaper**.

Advanced features

Activate advanced features and change the settings that control them.

On the Settings screen, tap **Advanced features**.

Excessive shaking or impact to the device may cause unintended input for some features.

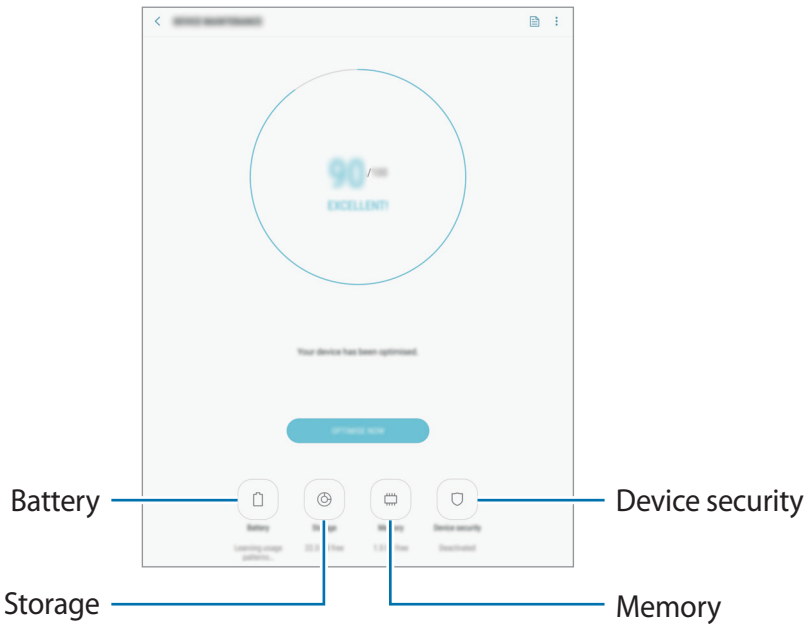
- **S Pen**: Change the settings for using the S Pen. Refer to S Pen features for more information about **Air view** and **Screen off memo**.
- **Accessories**: Change the accessory settings.
- **Smart stay**: Set the device to prevent the display backlight from turning off while you are looking at the display.
- **Games**: Activate the Game Launcher and Game Tools icon and change the game-related settings. Refer to Game Launcher for more information.
- **Multi window**: Select a Multi window launch method.
- **Smart capture**: Set the device to capture content that continues across multiple screens, and crop and share the screenshot immediately.
- **Palm swipe to capture**: Set the device to capture a screenshot when you swipe your hand to the left or right across the screen. You can view the captured images in **Gallery**.

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

- **Easy mute**: Set the device to mute incoming calls or alarms by using palm motions.
- **Swipe to call or send messages**: Set the device to make a call or send a message when you swipe to the right or left on a contact or a phone number.
- **Direct share**: Set the device to display the people you contacted on the sharing options panel to allow you to share content directly.

Device maintenance

The device maintenance feature provides an overview of the status of your device's battery, storage, memory, and system security. You can also automatically optimise the device with a tap of your finger.



Using the quick optimisation feature

On the Settings screen, tap **Device maintenance** → **OPTIMISE NOW**.

The quick optimisation feature improves device performance through the following actions.

- Clearing some memory.
- Deleting unnecessary files and closing apps running in the background.
- Managing abnormal battery usage.
- Scanning for malware.

Battery

Check the remaining battery power and time to use the device. For devices with low battery levels, conserve battery power by activating power saving features.

On the Settings screen, tap **Device maintenance** → **Battery**.

- The usage time left shows the time remaining before the battery power runs out. Usage time left may vary depending on your device settings and operating conditions.
- You cannot receive notifications from apps that use power saving mode.

Managing the battery

You can save battery power by preventing apps that are running in the background from using battery power when they are not being used. Tick apps from the apps list and tap **SAVE POWER**.

Also, tap ⋮ → **Advanced settings** to set app power monitor options.

You can set the device to charge the battery more quickly. Tap ⋮ → **Advanced settings** and tap the **Fast cable charging** switch to activate it.

Storage

Check the status of the used and available memory.

On the Settings screen, tap **Device maintenance** → **Storage**.

The actual available capacity of the internal memory is less than the specified capacity because the operating system and default apps occupy part of the memory. The available capacity may change when you update the device.

Managing the memory

To delete residual files, such as cache, tap **CLEAN NOW**. To delete files or uninstall apps that you do not use any more, select a category under **USER DATA**. Then, tick items to select and tap **DELETE** or **UNINSTALL**.

Memory

On the Settings screen, tap **Device maintenance** → **Memory**.

To speed up your device by reducing the amount of memory you are using, tick apps from the apps list, and tap **CLEAN NOW**.

Device security

Check the device's security status. This feature scans your device for malware.

On the Settings screen, tap **Device maintenance** → **Device security** → **SCAN TABLET**.

Apps

Manage the device's apps and change their settings. You can view the apps' usage information, change their notification or permission settings, or uninstall or disable unnecessary apps.

On the Settings screen, tap **Apps**.

Lock screen

Change settings for the locked screen.

On the Settings screen, tap **Lock screen**.

The available options may vary depending on the screen lock method selected.

- **Screen lock type**: Change the screen lock method.
- **Smart Lock**: Set the device to automatically unlock itself in certain situations.
- **Secure lock settings**: Change screen lock settings for the selected lock method.
- **Clock style**: Change the clock type and colour on the locked screen.
- **Roaming clock**: Set the device to show the dual clock when you are roaming.
- **FaceWidgets**: Change settings for the items displayed on the locked screen.
- **Contact information**: Enter your information that is shown with the clock.
- **Notifications**: Set whether or not to show notification content on the locked screen and select which notifications to display.
- **App shortcuts**: Select apps to display shortcuts to them on the locked screen.

Biometrics and security

Options

Change the settings for securing the device.

On the Settings screen, tap **Biometrics and security**.

- **Fingerprint Scanner**: Register your fingerprint to the device to secure the device or sign in to your Samsung account. Refer to Fingerprint recognition for more information.
- **Google Play Protect**: Set the device to check for harmful apps and behaviour and warn about potential harm and remove them.
- **Find My Mobile**: Activate or deactivate the Find My Mobile feature. Access the Find My Mobile website (findmymobile.samsung.com) to track and control your lost or stolen device.
- **Security update**: View the version of your device's security system and check for updates.
- **Install unknown apps**: Set the device to allow the installation of apps from unknown sources.
- **Samsung Pass**: Verify your identity easily and securely via your biometric data.
- **Secure Folder**: Create a secure folder to protect your private content and apps from others. Refer to Secure Folder for more information.
- **App permission monitor**: Set to receive notifications when the permissions you select are used by apps that you are not using. You can manage the settings of each app and view their permission usage history.
- **Secure startup**: Protect your device by setting it to require a screen unlock code when turning on the device. You must enter the unlock code to start the device and receive messages and notifications.
- **Encrypt SD card**: Set the device to encrypt files on a memory card.

  If you reset your device to the factory defaults with this setting enabled, the device will not be able to read your encrypted files. Disable this setting before resetting the device.

- **Other security settings**: Configure additional security settings.

Fingerprint recognition

In order for fingerprint recognition to function, your fingerprint information needs to be registered and stored in your device. After registering, you can set the device to use your fingerprint for the features below:

- Screen lock
- Web sign-in
- Verify Samsung account
- Secure Folder

- This feature may not be available depending on the region or service provider.
- Fingerprint recognition uses the unique characteristics of each fingerprint to enhance the security of your device. The likelihood of the fingerprint sensor confusing two different fingerprints is very low. However, in rare cases where separate fingerprints are very similar the sensor may recognise them as identical.
- If you use your fingerprint as a screen lock method, your fingerprint cannot be used to unlock the screen when turning on the device. To use the device, you must unlock the screen using a pattern, PIN, or password you set when registering the fingerprint. Be careful not to forget your pattern, PIN, or password.
- If your fingerprint is not recognised, unlock the device using the pattern, PIN, or password you set when registering the fingerprint, and then re-register your fingerprints. If your pattern, PIN, or password is forgotten, you will not be able to use the device if you do not reset it. Samsung is not responsible for any data loss or inconvenience caused by forgotten unlock codes.

For better fingerprint recognition

When you scan your fingerprints on the device, be aware of the following conditions that may affect the feature's performance:

- The Home key contains a fingerprint recognition sensor. Ensure that the Home key is not scratched or damaged by metal objects, such as coins, keys, and necklaces.
- Covering the fingerprint recognition area with protective films, stickers, or other accessories may decrease the fingerprint recognition rate. If the fingerprint recognition area is initially covered with a protective film, remove it before using the fingerprint recognition sensor.
- Ensure that the fingerprint recognition area and your fingers are clean and dry.
- The device may not recognise fingerprints that are affected by wrinkles or scars.
- The device may not recognise fingerprints from small or thin fingers.
- If you bend your finger or use a fingertip, the device may not recognise your fingerprints. Make sure to cover the entire Home key with your finger.
- To improve recognition performance, register fingerprints of the hand used most often to perform tasks on the device.
- In dry environments, static electricity can build up in the device. Avoid using this feature in dry environments or before using the feature, discharge static electricity by touching a metal object.

Registering fingerprints

1 On the Settings screen, tap **Biometrics and security** → **Fingerprint Scanner**.

2 Unlock the screen using the preset screen lock method.

If you have not set a screen lock method, create one.

3 Place your finger on the Home key.

4 After the device detects your finger, lift it up and place it on the Home key again.

Repeat this action by moving your finger upwards or downwards until the fingerprint is registered.

Deleting fingerprints

You can delete registered fingerprints.

1 On the Settings screen, tap **Biometrics and security** → **Fingerprint Scanner**.

2 Unlock the screen using the preset screen lock method.

3 Tap **EDIT**.

4 Tick fingerprints to delete and tap **REMOVE**.

Unlocking the screen with fingerprints

You can unlock the screen with your fingerprint instead of using a pattern, PIN, or password.

1 On the Settings screen, tap **Biometrics and security** → **Fingerprint Scanner**.

2 Unlock the screen using the preset screen lock method.

3 Tap the **Fingerprint unlock** switch to activate it.

4 On the locked screen, place your finger on the Home key and scan your fingerprint.

Cloud and accounts

Introduction

Sync, back up, or restore your device's data using Samsung Cloud, or reset your device. You can also register and manage accounts, such as your Samsung account or Google account, and transfer data to or from other devices via Smart Switch.

Regularly back up your data to a safe location, such as Samsung Cloud or a computer, so that you can restore it if the data is corrupted or lost due to an unintended factory data reset.

Samsung Cloud

You can manage the content that you want to store securely in Samsung Cloud. Check the usage status of your Samsung Cloud storage, and sync, back up, and restore your data.

On the Settings screen, tap **Cloud and accounts** → **Samsung Cloud**.

CLOUD USAGE

View the amount of storage space you are currently using in Samsung Cloud and the amount of usage by data type.

BACKUP AND RESTORE

Back up your application data and device settings to Samsung Cloud, and restore them when needed. Refer to Backing up and restoring data for more information.

Accounts

Add your Samsung and Google accounts, or other accounts, to sync with.

Adding accounts

Some apps used on your device require a registered account. Create accounts to have the best experience with your device.

1 On the Settings screen, tap **Cloud and accounts** → **Accounts** → **Add account**.

2 Select an account service.

3 Follow the on-screen instructions to complete the account setup.

To sync content with your accounts, select an account and select items to sync.

Removing accounts

On the Settings screen, tap **Cloud and accounts** → **Accounts**, select an account name, and then tap **REMOVE ACCOUNT** or tap ⋮ → **Remove account**.

Backup and restore

Change the settings for managing settings and data.

On the Settings screen, tap **Cloud and accounts** → **Backup and restore**.

SAMSUNG ACCOUNT

- **Back up data**: Back up your personal information and app data to Samsung Cloud.
- **Restore data**: Restore previously backed up personal information and app data from Samsung Cloud.

GOOGLE ACCOUNT

- **Back up my data**: Set the device to back up settings and app data to the Google server.
- **Backup account**: Set up or edit your Google backup account.
- **Automatic restore**: Set the device to automatically restore settings and app data from the Google server when apps are reinstalled.

Google

Configure settings for some features provided by Google.

On the Settings screen, tap **Google**.

Accessibility

Configure various settings to improve accessibility to the device.

On the Settings screen, tap **Accessibility**.

- **Vision**: Customise the settings to improve accessibility for visually impaired users.
- **Hearing**: Customise the settings to improve accessibility for users with hearing impairment.
- **Dexterity and interaction**: Customise the settings to improve accessibility for users who have reduced dexterity.
- **Text-to-speech**: Change the settings for text-to-speech features used when Voice Assistant is activated, such as languages, speed, and more.

- **Direction lock**: Change the directional combination settings for unlocking the screen.
- **Direct access**: Set the device to launch selected accessibility menus when you press the Power key and the Volume Up key simultaneously or press the Home key three times quickly.
- **Accessibility shortcut**: Set the device to activate Voice Assistant or Samsung universal switch when you press and hold the Volume Up key and the Volume Down key simultaneously.
- **Notification reminder**: Set the device to alert you to notifications that you have not checked at the interval.
- **Answering and ending calls**: Set the device to answer or end calls by pressing Home or Power key and using voice commands.
- **Single tap mode**: Set the device to control incoming calls or notifications by tapping the button instead of dragging it.
- **Accessibility settings backup**: Export or import the accessibility settings to share them with other devices.
- **SERVICES**: View accessibility services installed on the device.

General management

Customise your device's system settings or reset the device.

On the Settings screen, tap **General management**.

- **Language and input**: Select device languages and change settings, such as keyboards and voice input types. Some options may not be available depending on the selected language.
- **Date and time**: Access and alter the following settings to control how the device displays the time and date.

If the battery remains fully discharged or removed from the device, the time and date is reset.

- **Contact us**: Ask questions or view frequently asked questions.
- **Report diagnostic information**: Set the device to automatically send the device's diagnostic and usage information to Samsung.
- **Marketing information**: Set whether to receive Samsung marketing information, such as special offers, membership benefits, and newsletters.
- **Reset**: Reset your device's settings or perform a factory data reset.

Software update

Update your device's software or change the update settings.

On the Settings screen, tap **Software update**.

- **Download updates manually**: Check for and install updates manually.
- **Download updates automatically**: Set the device to download updates automatically when connected to a Wi-Fi network.
- **Scheduled software updates**: Set the device to install downloaded updates at a specified time.
- **Last update information**: View information about the last software update.

User manual

View help information to learn how to use the device and apps or configure important settings.

On the Settings screen, tap **User manual**.

About tablet

Access your device's information.

On the Settings screen, tap **About tablet**.

- **Status**: View various device information, such as the SIM card status, Wi-Fi MAC address, and serial number.
- **Legal information**: View legal information related to the device, such as safety information and the open source licence.
- **Software information**: View the device's software information, such as its operating system version and firmware version.
- **Battery information**: View the device's battery status and information.

Appendix

Troubleshooting

Before contacting a Samsung Service Centre, please attempt the following solutions. Some situations may not apply to your device.

When you turn on your device or while you are using the device, it prompts you to enter one of the following codes:

- Password: When the device lock feature is enabled, you must enter the password you set for the device.
- PIN: When using the device for the first time or when the PIN requirement is enabled, you must enter the PIN supplied with the SIM or USIM card. You can disable this feature by using the Lock SIM card menu.
- PUK: Your SIM or USIM card is blocked, usually as a result of entering your PIN incorrectly several times. You must enter the PUK supplied by your service provider.
- PIN2: When you access a menu requiring the PIN2, you must enter the PIN2 supplied with the SIM or USIM card. For more information, contact your service provider.

Your device displays network or service error messages

- When you are in areas with weak signals or poor reception, you may lose reception. Move to another area and try again. While moving, error messages may appear repeatedly.
- You cannot access some options without a subscription. For more information, contact your service provider.

Your device does not turn on

When the battery is completely discharged, your device will not turn on. Fully charge the battery before turning on the device.

The touchscreen responds slowly or improperly

- If you attach a screen protector or optional accessories to the touchscreen, the touchscreen may not function properly.
- If you are wearing gloves, if your hands are not clean while touching the touchscreen, or if you tap the screen with sharp objects or your fingertips, the touchscreen may malfunction.
- The touchscreen may malfunction in humid conditions or when exposed to water.
- Restart your device to clear any temporary software bugs.
- Ensure that your device software is updated to the latest version.
- If the touchscreen is scratched or damaged, visit a Samsung Service Centre.

Your device freezes or encounters a fatal error

Try the following solutions. If the problem is still not resolved, contact a Samsung Service Centre.

Restarting the device

If your device freezes or hangs, you may need to close apps or turn off the device and turn it on again.

Forcing restart

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

Resetting the device

If the methods above do not solve your problem, perform a factory data reset.

Launch the **Settings** app and tap **General management** → **Reset** → **Factory data reset** → **RESET** → **DELETE ALL**. Before performing the factory data reset, remember to make backup copies of all important data stored in the device.

If you registered a Google account to the device, you must sign in to the same Google account after resetting the device.

Calls are not connected

- Ensure that you have accessed the right cellular network.
- Ensure that you have not set call barring for the phone number you are dialling.
- Ensure that you have not set call barring for the incoming phone number.

Others cannot hear you speaking on a call

- Ensure that you are not covering the built-in microphone.
- Ensure that the microphone is close to your mouth.
- If using a headset, ensure that it is properly connected.

Sound echoes during a call

Adjust the volume by pressing the Volume key or move to another area.

A cellular network or the Internet is often disconnected or audio quality is poor

- Ensure that you are not blocking the device's internal antenna.
- When you are in areas with weak signals or poor reception, you may lose reception. You may have connectivity problems due to issues with the service provider's base station. Move to another area and try again.
- When using the device while moving, wireless network services may be disabled due to issues with the service provider's network.

The battery icon is empty

Your battery is low. Charge the battery.

The battery does not charge properly (For Samsung-approved chargers)

- Ensure that the charger is connected properly.
- Visit a Samsung Service Centre and have the battery replaced.

The battery depletes faster than when first purchased

- When you expose the device or the battery to very cold or very hot temperatures, the useful charge may be reduced.
- Battery consumption increases when you use messaging features or some apps, such as games or the Internet.
- The battery is consumable and the useful charge will get shorter over time.

Your device is hot to the touch

When you use apps that require more power or use apps on your device for an extended period of time, your device may feel hot to the touch. This is normal and should not affect your device's lifespan or performance.

If the device overheats or feels hot for a prolonged period, do not use it for a while. If the device continues to overheat, contact a Samsung Service Centre.

Error messages appear when launching the camera

Your device must have sufficient available memory and battery power to operate the camera app. If you receive error messages when launching the camera, try the following:

- Charge the battery.
- Free some memory by transferring files to a computer or deleting files from your device.
- Restart the device. If you are still having trouble with the camera app after trying these tips, contact a Samsung Service Centre.

Photo quality is poorer than the preview

- The quality of your photos may vary, depending on the surroundings and the photography techniques you use.
- If you take photos in dark areas, at night, or indoors, image noise may occur or images may be out of focus.

Error messages appear when opening multimedia files

If you receive error messages or multimedia files do not play when you open them on your device, try the following:

- Free some memory by transferring files to a computer or deleting files from your device.
- Ensure that the music file is not Digital Rights Management (DRM)-protected. If the file is DRM-protected, ensure that you have the appropriate licence or key to play the file.
- Ensure that the file formats are supported by the device. If a file format is not supported, such as DivX or AC3, install an app that supports it. To confirm the file formats that your device supports, visit www.samsung.com.
- Your device supports photos and videos captured with the device. Photos and videos captured by other devices may not work properly.
- Your device supports multimedia files that are authorised by your network service provider or providers of additional services. Some content circulated on the Internet, such as ringtones, videos, or wallpapers, may not work properly.

Another Bluetooth device is not located

- Ensure that the Bluetooth wireless feature is activated on your device.
- Ensure that the Bluetooth wireless feature is activated on the device you wish to connect to.
- Ensure that your device and the other Bluetooth device are within the maximum Bluetooth range (10 m).

If the tips above do not solve the problem, contact a Samsung Service Centre.

A connection is not established when you connect the device to a computer

- Ensure that the USB cable you are using is compatible with your device.
- Ensure that you have the proper driver installed and updated on your computer.
- If you are a Windows XP user, ensure that you have Windows XP Service Pack 3 or higher installed on your computer.

Your device cannot find your current location

GPS signals may be obstructed in some locations, such as indoors. Set the device to use Wi-Fi or a mobile network to find your current location in these situations.

Data stored in the device has been lost

Always make backup copies of all important data stored in the device. Otherwise, you cannot restore data if it is corrupted or lost. Samsung is not responsible for the loss of data stored in the device.

A small gap appears around the outside of the device case

- This gap is a necessary manufacturing feature and some minor rocking or vibration of parts may occur.
- Over time, friction between parts may cause this gap to expand slightly.

There is not enough space in the device's storage

Delete unnecessary data, such as cache, using the device maintenance or manually delete unused apps or files to free up storage space.

Removing the battery

- **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/or 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.

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