SAMSUNG

SM-T830

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.
- 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.

- 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. The 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.

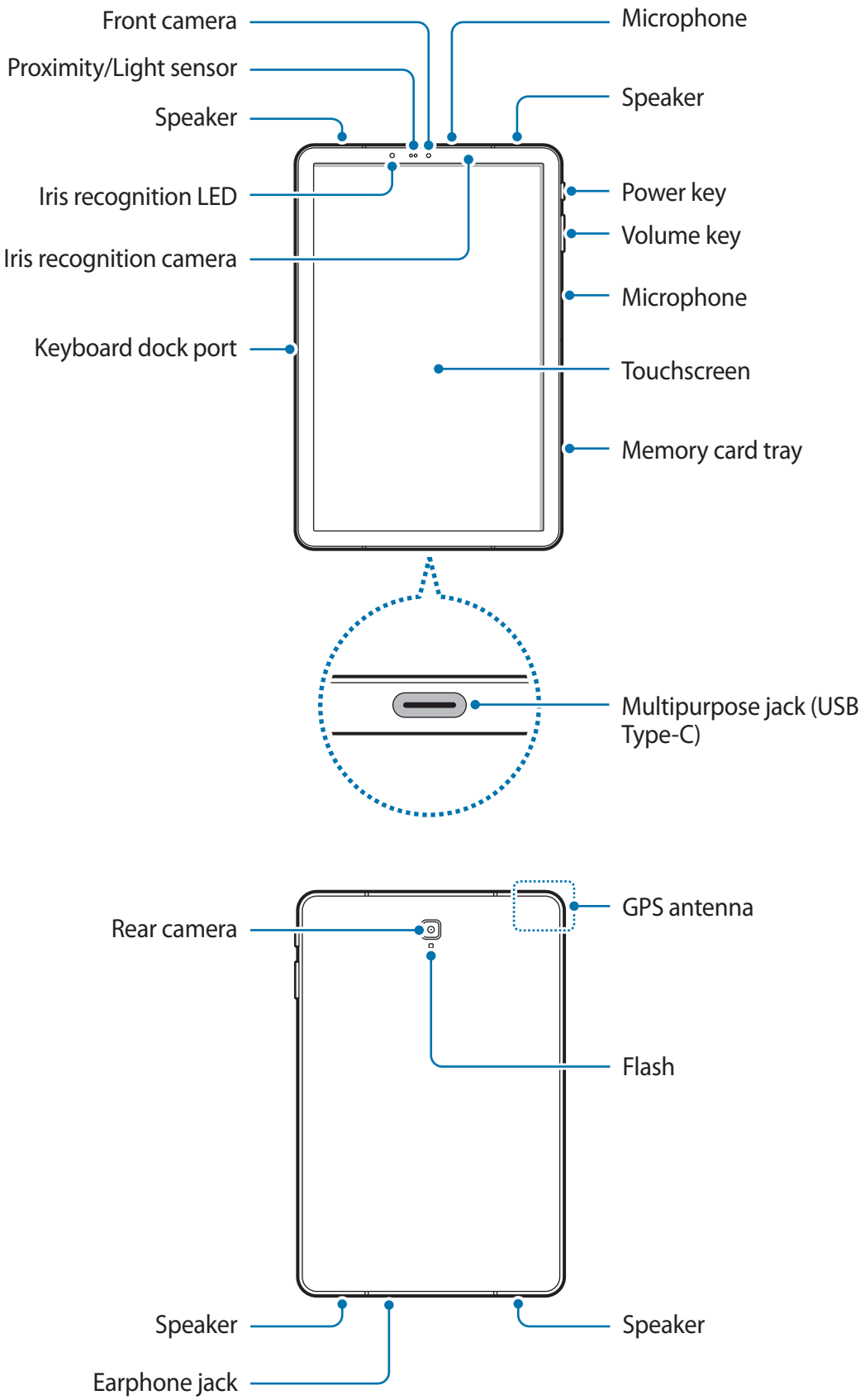
Device layout and functions

Package contents

Refer to the quick start guide for package contents.

- 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

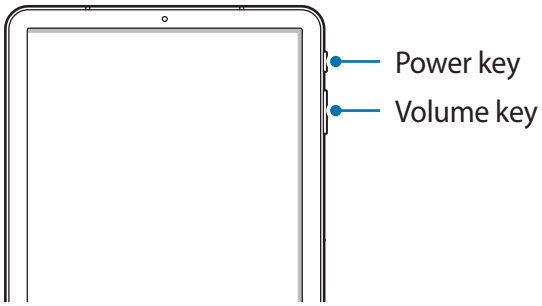


The device and some accessories (sold separately) contain magnets. The American Heart Association (US) and the Medicines and Healthcare Products Regulatory Agency (UK) both warn that magnets can affect the operation of implanted pacemakers, cardioverters, defibrillators, insulin pumps or other electro 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 SOME ACCESSORIES (SOLD SEPARATELY) UNLESS YOU HAVE CONSULTED WITH YOUR PHYSICIAN.

- Do not store your device and some accessories (sold separately) near magnetic fields. Magnetic stripe cards, including credit cards, phone cards, passbooks, and boarding passes, may be damaged by magnetic fields.
- When using the speakers, such as when playing media files or using speakerphone, do not place the device close to your ears.

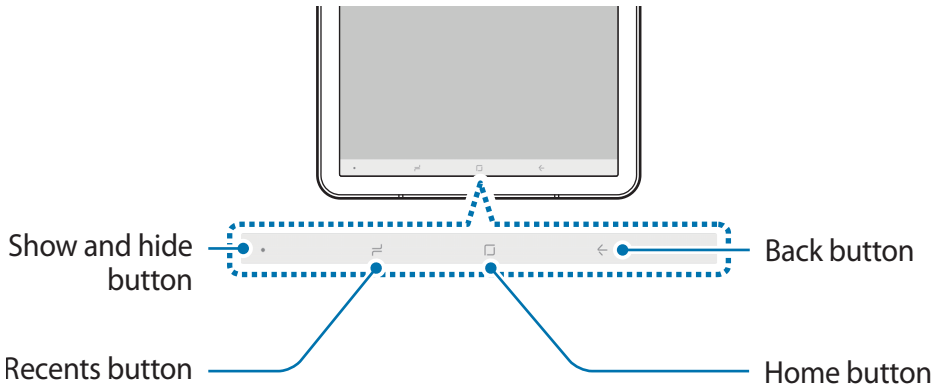
- Connectivity problems and battery drain may occur in the following situations:
  - If you attach metallic stickers on the antenna area of the device
  - If you attach a device cover made with metallic material to the device
- Using a Samsung-approved screen protector is recommended. Unapproved screen protectors may cause the sensors to malfunction.
- Do not cover the proximity/light sensor area with screen accessories, such as a screen protector or stickers. Doing so may cause the sensor to malfunction.
- Do not allow water to contact the touchscreen. The touchscreen may malfunction in humid conditions or when exposed to water.

Hard keys



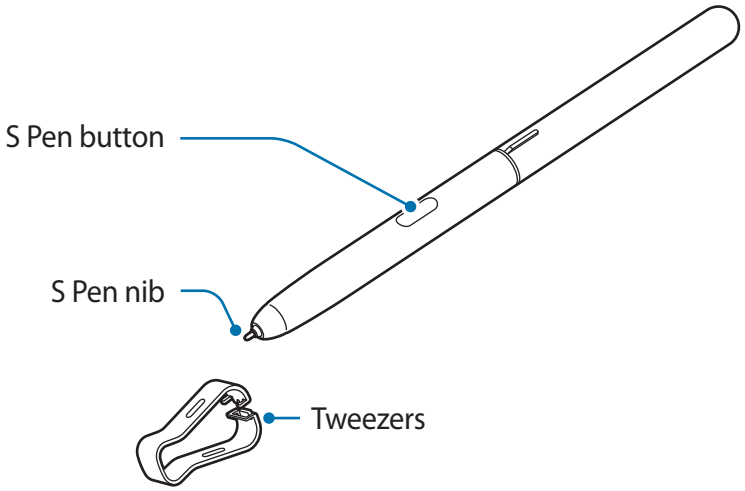
Key	Function
Power	• Press and hold to turn the device on or off. • Press to turn on or lock the screen.
Volume	• Press to adjust the device volume.

Soft buttons



When you turn on the device, the soft buttons will appear at the bottom of the screen. The soft buttons are set to the Recents button, Home button, and Back button by default. Refer to Navigation bar (soft buttons) for more information.

S Pen

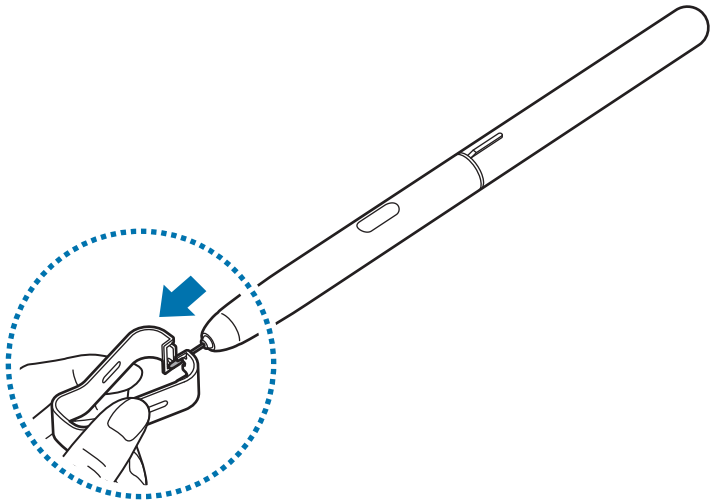


Name	Functions
S Pen nib	• Use the S Pen to write, draw, or perform touch actions on the screen. • Hover the S Pen over items on the screen to access additional S Pen features, such as the Air view feature.
S Pen button	• Hover the S Pen over the screen and press the S Pen button to display the Air command 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.

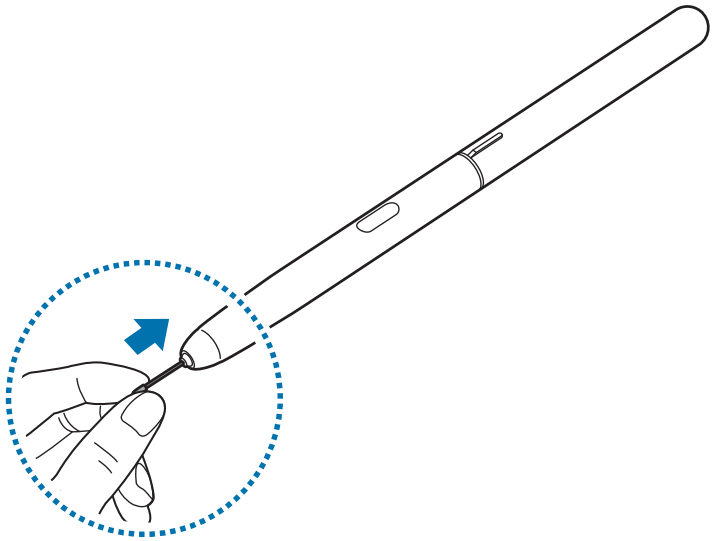
Replacing the S Pen nib

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.
- Do not hard press on the screen with the S Pen. The pen nib may be deformed.

- If you use the S Pen at sharp angles on the screen, the device may not recognise the S Pen actions.
- 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.

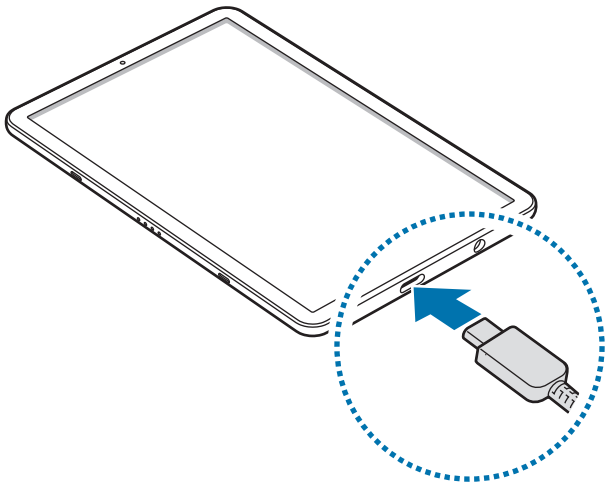
Use only Samsung-approved chargers, batteries, and cables. Unapproved chargers or cables can cause the battery to explode or damage the device.

- 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.

2 Plug the USB cable into the device's multipurpose jack.



3 Plug the USB power adaptor into an electric socket.

4 After fully charging, disconnect the charger from the device. Then, unplug the charger 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.
- 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.

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.

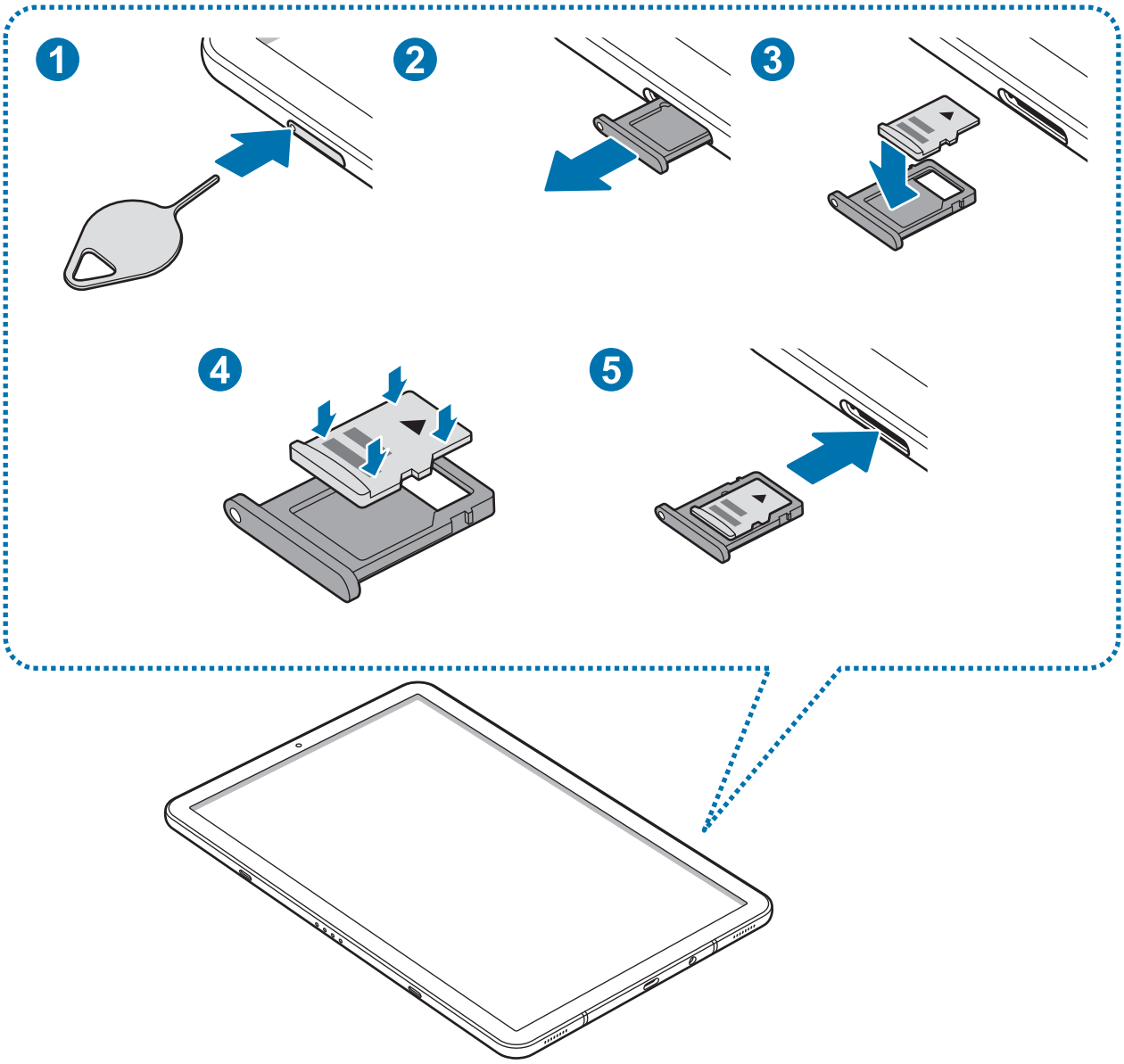
Memory card (microSD card)

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. To use the memory card, you must format it. If your device cannot format or recognise the memory card, contact the memory card manufacturer or a Samsung Service Centre.
- 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.

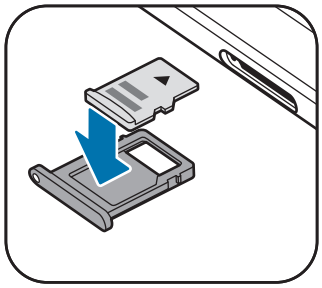


1 Insert the ejection pin into the hole on the memory card tray to loosen the tray.

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

2 Pull out the memory card tray gently from the memory card tray slot.

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



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

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

5 Insert the memory card tray back into the memory card 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 memory card tray to loosen the tray.

2 Pull out the memory card tray gently from the memory card tray slot.

3 Remove the memory card.

4 Insert the memory card tray back into the memory card tray slot.

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

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**.

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.

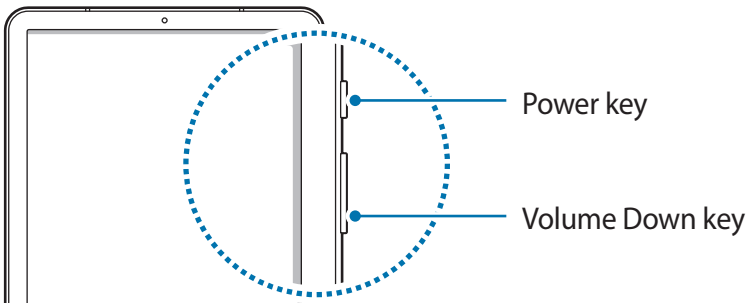
When you turn on your device for the first time or after performing a data reset, follow the on-screen instructions to set up your device.

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.



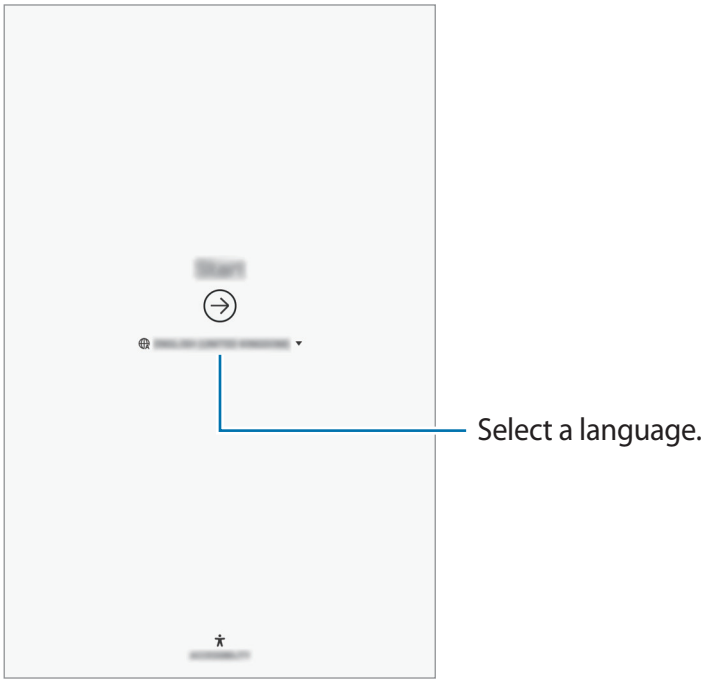
Initial setup

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

The initial setup procedures may vary depending on the device's software and your region.

1 Turn on the device.

2 Select your preferred device language and select →.



3 Select a Wi-Fi network and connect to it.

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

4 Follow the on-screen instructions to proceed the initial setup.

5 Set a screen lock method to protect your device. You can protect your personal information by preventing others from accessing your device. To set the screen lock method later, tap **No, thank you**.

6 Sign in to your Samsung account. You can enjoy Samsung services and keep your data up to date and secure across all of your devices. Refer to Samsung account for more information.

7 Select features you want to use and complete the initial setup.

The Home screen will appear.

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 keep your data up to date and secure across your Samsung devices with Samsung Cloud, track and control your lost or stolen device, see tips and tricks from Samsung Members, and more.

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.

If you want to verity your Samsung account password via your biometric data, such as irises, tap **Verify identity with biometrics instead of password using Samsung Pass**. Refer to Samsung Pass for more information.

4 Tap **DONE** to finish registering your Samsung account.

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**.

3 Tap **REMOVE**, enter your Samsung account password, and then tap **CONFIRM**.

Transferring data from your previous device

You can restore your data, such as images, contacts, messages, and apps from Samsung Cloud. You can also copy them from your previous device via Smart Switch.

- 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.

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 wirelessly via Wi-Fi Direct.

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 On the previous device, tap **WIRELESS** → **SEND**.

5 On your device, tap **WIRELESS** → **RECEIVE** and select the previous device type.

6 Follow the on-screen instructions to transfer data from your previous device.

Transferring data using external storage

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

1 Transfer data from your previous device to external storage.

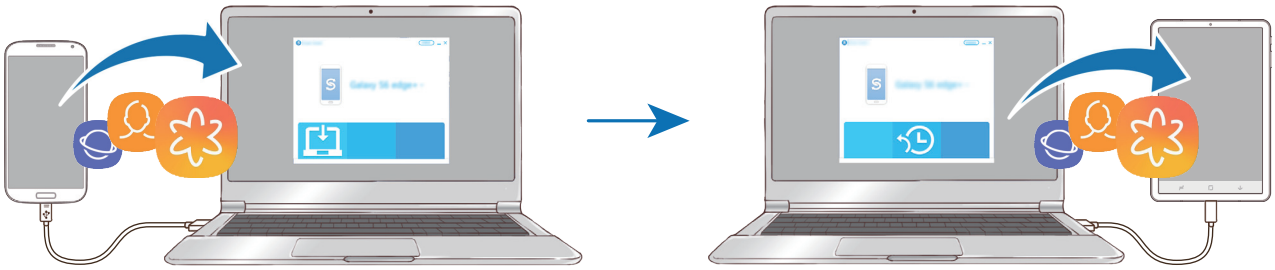
2 Insert or connect the external storage device to your device.

3 On your device, launch the **Settings** app and tap **Cloud and accounts** → **Smart Switch** → **EXTERNAL STORAGE** → **RESTORE**.

4 Follow the on-screen instructions to transfer data from external storage.

Transferring backup data from a computer

Transfer data between your device and a computer. You must download the Smart Switch computer version app from www.samsung.com/smartswitch. 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 device's USB cable.

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

5 Connect your device to the computer using the USB cable.

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

Viewing imported data

You can view the imported data on the same app from your previous device.

If your new device does not have the same apps to view or play the imported data, the data will be saved to a similar app. For example, if you import memos and your device does not have the Memo app, you can view the memos in the **Samsung Notes** app.

Samsung Cloud

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

Backing up data

1 On your previous device, sign in to your Samsung account.

2 Launch the **Settings** app, select the backup option, and back up your data.

- If your device supports Samsung Cloud, launch the **Settings** app, tap **Cloud and accounts** → **Samsung Cloud**, select your device under **BACKUP AND RESTORE**, tap **Back up**, and then back up your data.
- The data backup method may vary depending on your model.
- Some data will not be backed up. To check which data will be backed up, launch the **Settings** app, tap **Cloud and accounts** → **Samsung Cloud**, select your device under **BACKUP AND RESTORE**, and then tap **Back up**.

Restoring data

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

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

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

Syncing data

You can sync data saved in your device with Samsung Cloud and access it from other devices.

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

2 Tap ⋮ → **Settings** → **Sync settings**.

3 Tap the switches next to the items you want to sync with.

Checking data

You can check the saved items and used memory of your Samsung Cloud. Launch the **Settings** app and tap **Cloud and accounts** → **Samsung Cloud**.

- You can immediately check your used memory and saved items, such as, **GALLERY**, **SAMSUNG NOTES**, and **SAMSUNG CLOUD DRIVE**. Tap each card and enter the next page. You can change the settings or check the saved data.
- You can check the backup data in your Samsung account by using the **BACKUP AND RESTORE** option. Select your device and tap **Restore data**.

Understanding the screen

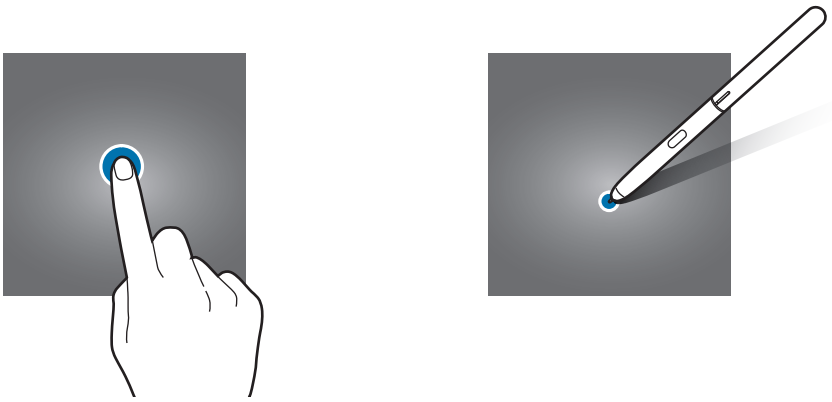
Controlling the touchscreen

- 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.

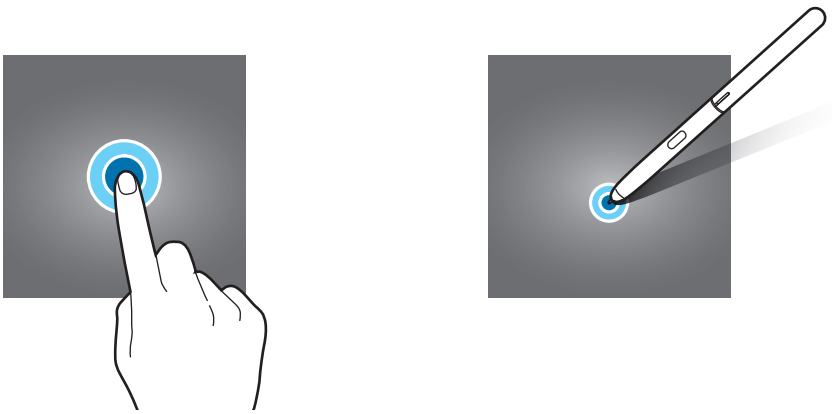
Tapping

Tap the screen.



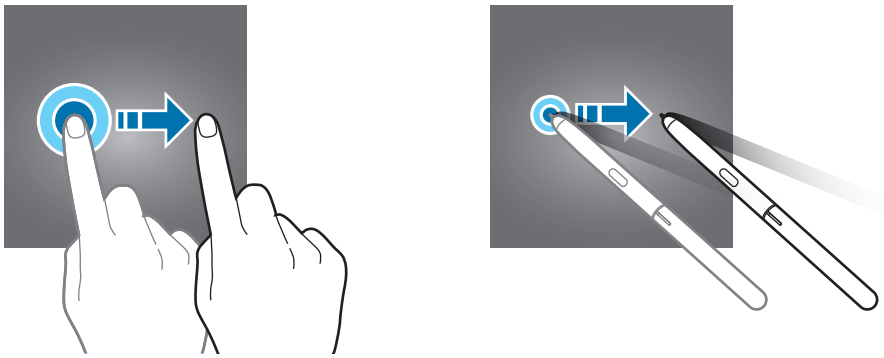
Tapping and holding

Tap and hold the screen for approximately 2 seconds.



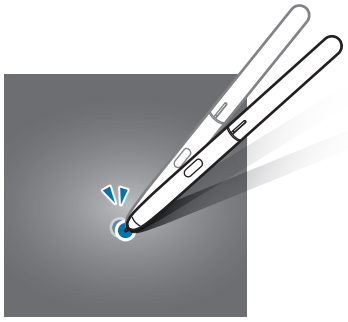
Dragging

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



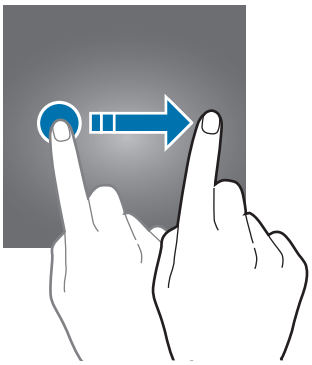
Double-tapping

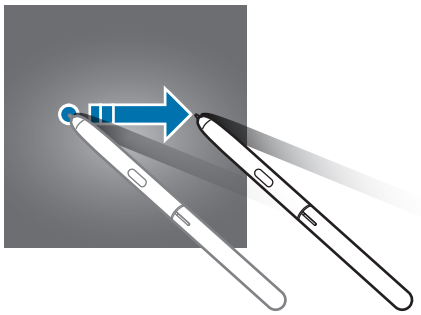
Double-tap the screen.



Swiping

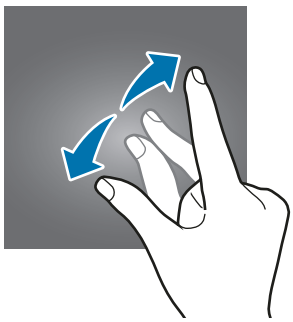
Swipe upwards, downwards, to the left, or to the right.

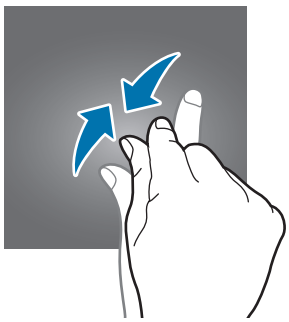




Spreading and pinching

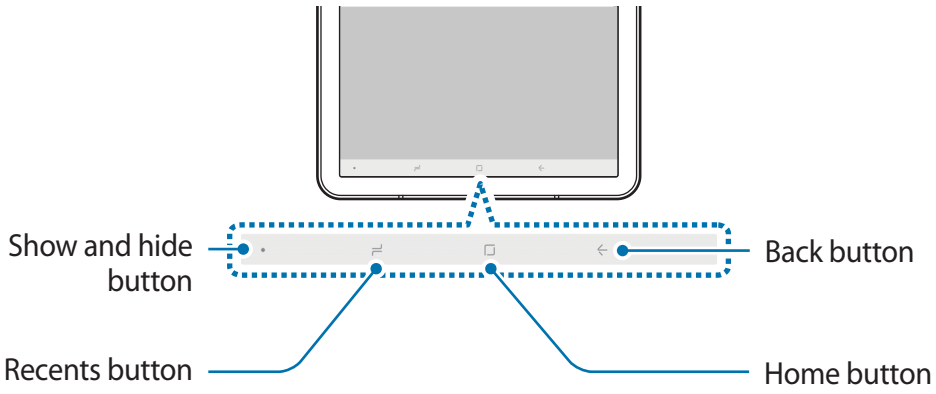
Spread two fingers apart or pinch on the screen.





Navigation bar (soft buttons)

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



Button		Function
●	**Show and hide**	• Double-tap to pin or hide the navigation bar.
	Recents	• Tap to open the list of recent apps.
	Home	• Tap to return to the Home screen. • Tap and hold to launch the **Google** app.
	Back	• Tap to return to the previous screen.

Displaying or hiding the navigation bar

Using the Show and hide button at the left side of the navigation bar, you can set the navigation bar to be hidden or pinned on the screen when you use apps or features. The navigation bar is pinned by default.

If you want to view files or use apps in full screen, double-tap the Show and hide button to hide the navigation bar.

To show the navigation bar again, drag upwards from the bottom of the screen.

- On certain screens, such as the Home screen, the navigation bar will always be displayed and the Show and hide button will not appear.
- Even after you pin the navigation bar, it can be hidden while using some apps or features, such as a video player.

Setting the navigation bar

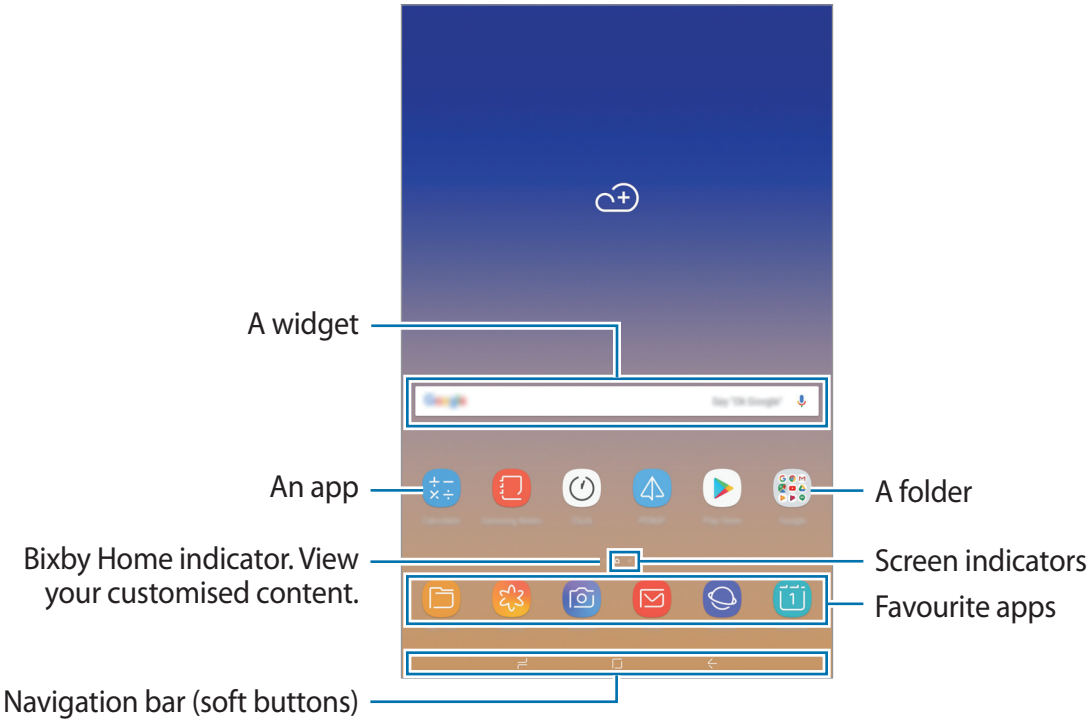
Launch the **Settings** app, tap **Display** → **Navigation bar**, and then select an option.

- **Show and hide button**: Add a button to hide or pin the navigation bar. You can set whether or not to display the button for each app.
- **BACKGROUND COLOUR**: Change the navigation bar's background colour.
- **Button layout**: Change the order of the buttons on the navigation bar.

Home screen and Apps screen

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

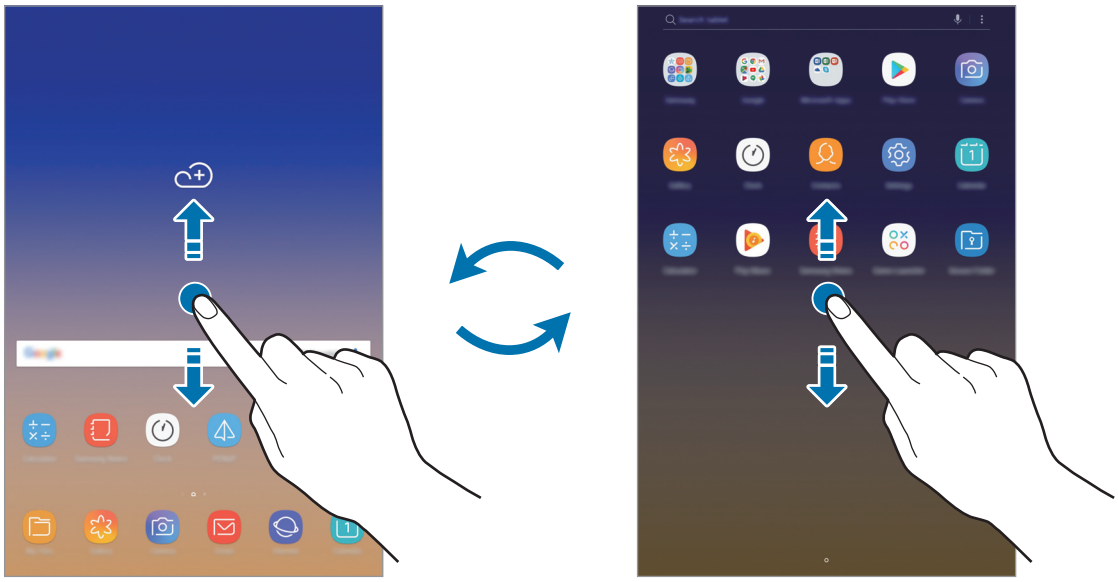
The Apps screen displays icons for all apps, including newly installed apps.



Switching between Home and Apps screens

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

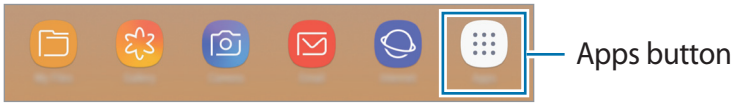
To return to the Home screen, swipe upwards or downwards on the Apps screen. Alternatively, tap the Home button or the Back button.



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 or bottom 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.

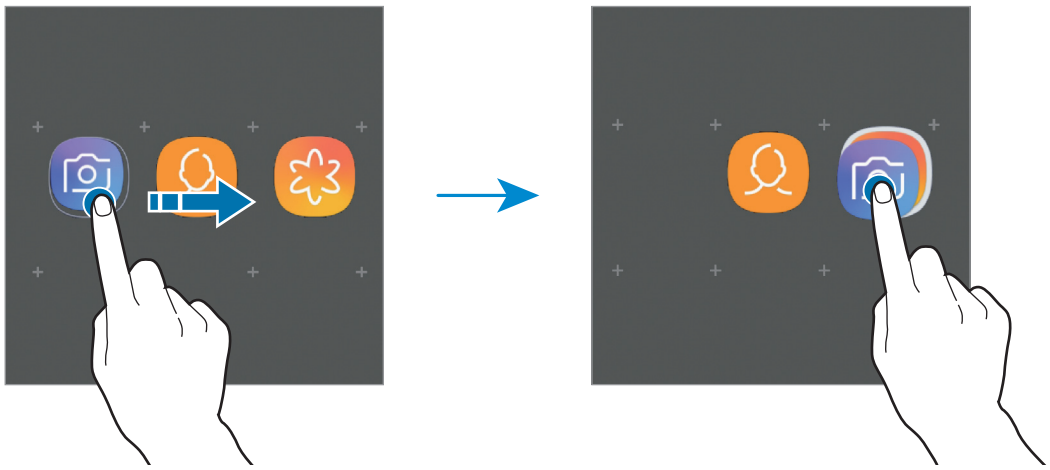
Creating folders

Create folders and gather similar apps 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.

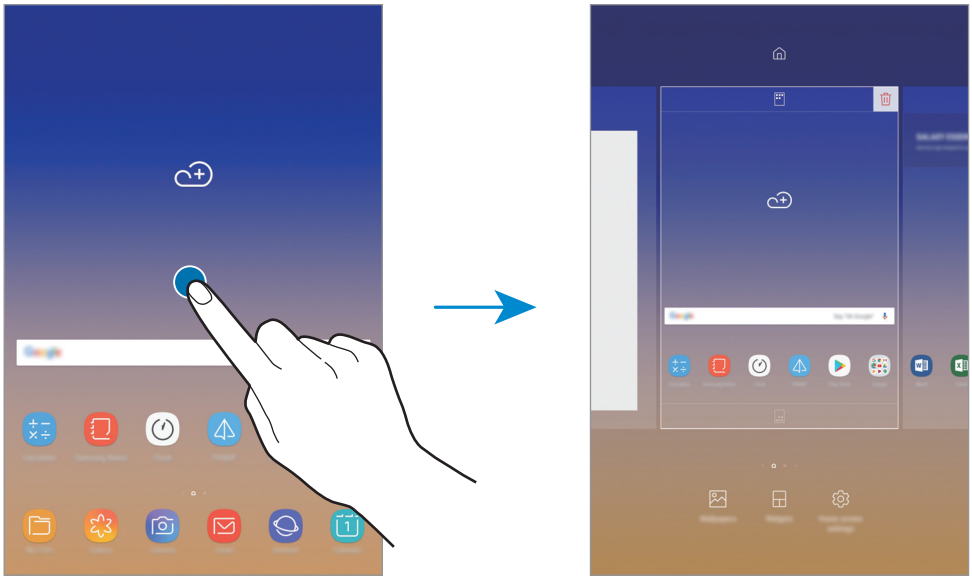
- **Deleting a folder**

  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
	Wi-Fi connected
	Bluetooth feature activated
	Location services being used
	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.

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

If the screen is off, press the Power key or double-tap anywhere on the screen to turn on the screen.

Locked screen

Changing the screen lock method

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

- **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.
- **Intelligent Scan**: Register both your face and irises to the device to unlock the screen more conveniently. Refer to Intelligent Scan for more information.
- **Face**: Register your face to unlock the screen. Refer to Face recognition for more information.
- **Iris**: Register your irises to unlock the screen. Refer to Iris recognition for more information.

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**, unlock the screen using the preset screen lock method, and then tap the **Auto factory reset** switch to activate it.

Screen capture

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

Capturing a screenshot

Use the following methods to capture a screenshot. Captured screenshots will be saved in **Gallery**.

- Key capture: Press and hold the Volume Down key and the Power key simultaneously.
- Swipe capture: Swipe your hand to the left or right across the screen.
- Air command capture: Hover the S Pen over the screen and press the S Pen button to open the Air command panel, and then tap **Screen write**. Refer to Screen write for more information.

- It is not possible to capture a screenshot while using some apps and features.
- If capturing a screenshot by swiping is not activated, launch the **Settings** app, tap **Advanced features**, and then tap the **Palm swipe to capture** switch to activate it.

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

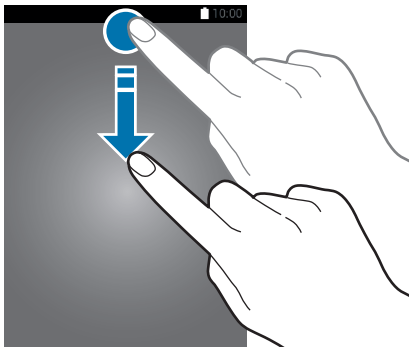
- **Bixby Vision**: Recognise content using Bixby Vision and search for relevant information. This option is not supported when you capture a screenshot using the **Screen write** feature.
- **Scroll capture**: Capture the current content and the hidden content on an elongated page, such as a webpage. When you tap **Scroll capture**, the screen will automatically scroll down and more content will be captured.
- **Draw**: Write or draw on the screenshot. Refer to Screen write for more information.
- **Crop**: Crop a portion from the screenshot. The cropped area will be saved in **Gallery**.
- **Share**: Share the screenshot with others.

If the options are not visible on the captured screen, launch the **Settings** app, tap **Advanced features**, and then tap the **Smart capture** switch to activate it.

Notification panel

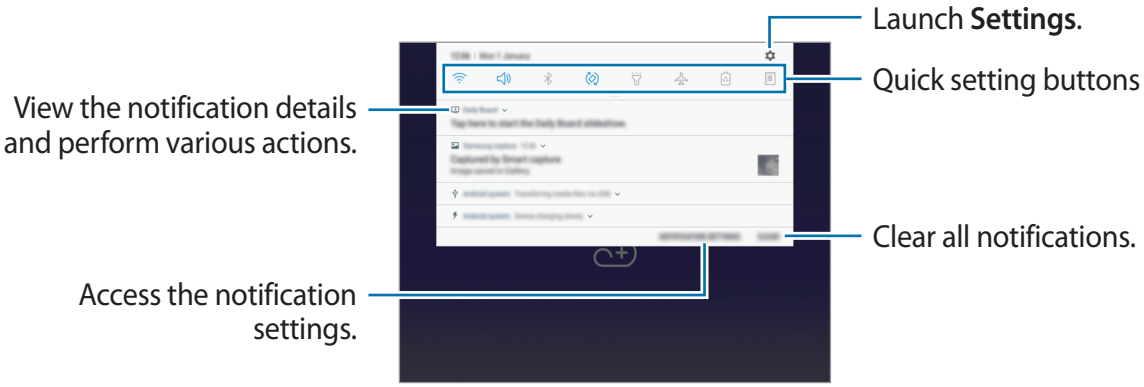
When you receive new notifications, indicator icons appear on the status bar. To see more information about the icons, open the notification panel and view the details.

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



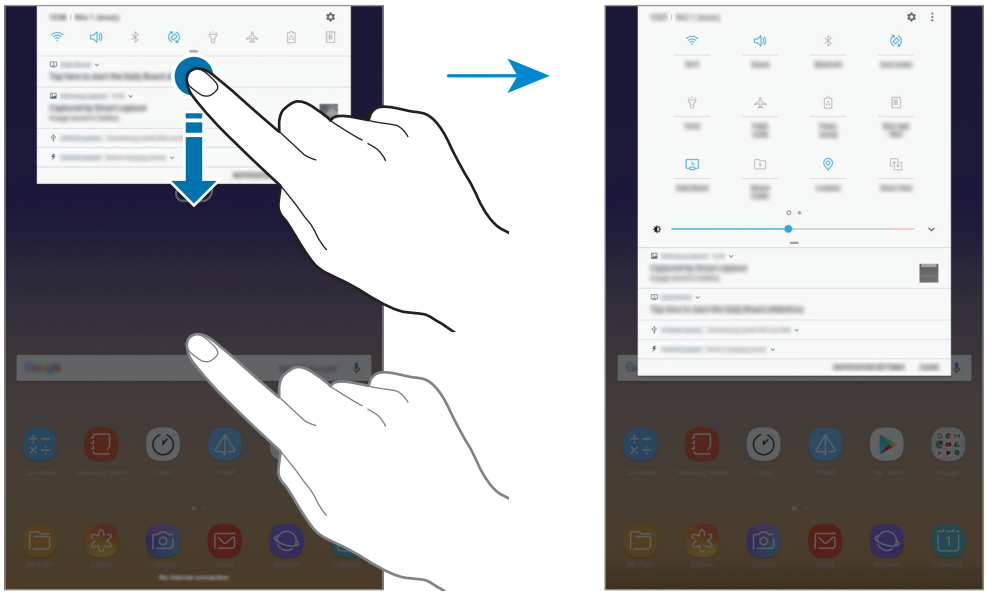
You can open the notification panel, even on the locked screen.

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.

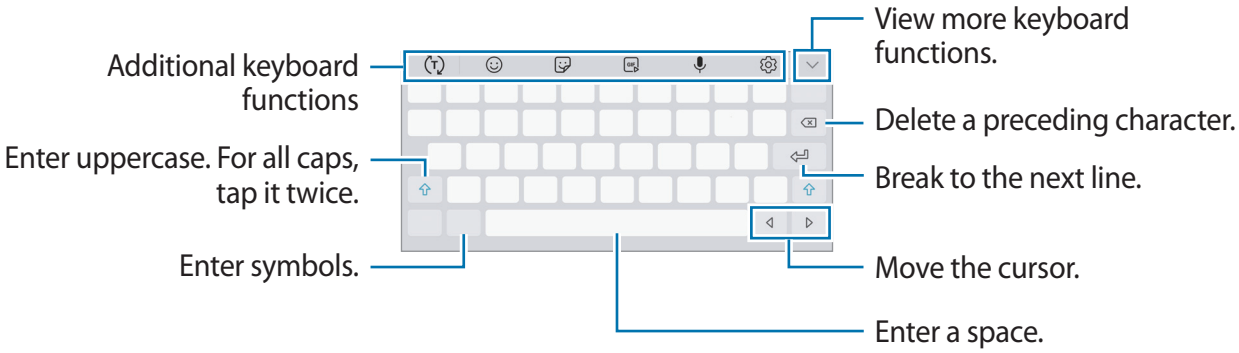
To rearrange buttons, tap ⋮ → **Button order**, tap and hold a button, and then drag it to another location.

Entering text

Keyboard layout

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

- When the keyboard is opened for the first time, the keyboard setup screen will appear. Set the input language, keyboard type, and keyboard settings and then tap **START**.
- 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.

Changing the keyboard

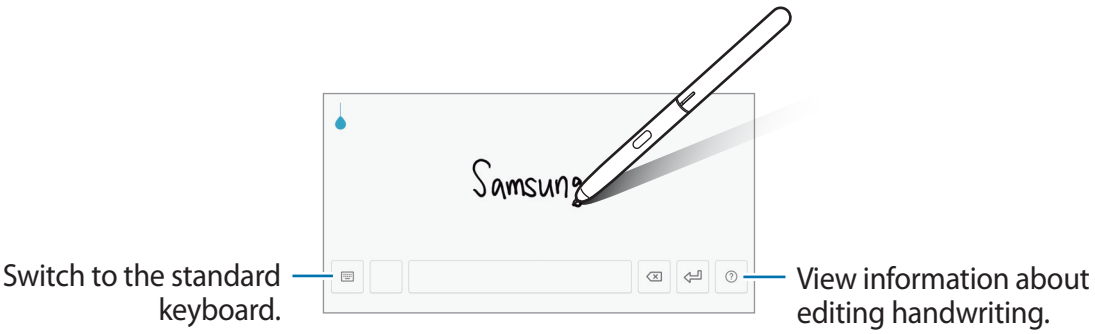
Tap ⌨ to change the keyboard.

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

If the keyboard button (⌨) does not appear on the navigation bar, launch the **Settings** app, tap **General management** → **Language and input**, and then tap the **Show Keyboard button** switch to activate it.

Additional keyboard functions

- : Predict words based on your input and show word suggestions. To return to the keyboard functions list, tap .
- : Enter emoticons.
- : Enter stickers.
- : Attach animated GIFs.
- : Enter text by voice.
- : Change the keyboard settings.
- → : 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. Refer to Live message for more information.
- → : Switch to handwriting mode.



You can quickly switch to handwriting mode by hovering the S Pen over the text field and tapping . If this feature is not activated, launch the **Settings** app, tap **Advanced features** → **S Pen**, and then tap the **Direct pen input** switch to activate it.

- → : 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.

Dictionary

Look up definitions for words while using certain features, such as when browsing webpages.

1 Tap and hold over a word that you want to look up.

If the word you want to look up is not selected, drag or to select the desired text.

2 Tap **Dictionary** on the options list.

If a dictionary is not preinstalled on the device, tap **Move to Manage dictionaries** → next to a dictionary to download it.

3 View the definition in the dictionary pop-up window.

To switch to the full screen view, tap . Tap the definition on the screen to view more definitions. In the detailed view, tap to add the word to your favourite words list or tap **Search Web** to use the word as a search term.

Apps and features

Installing or uninstalling apps

Galaxy Apps

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

Open the **Samsung** folder and 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.

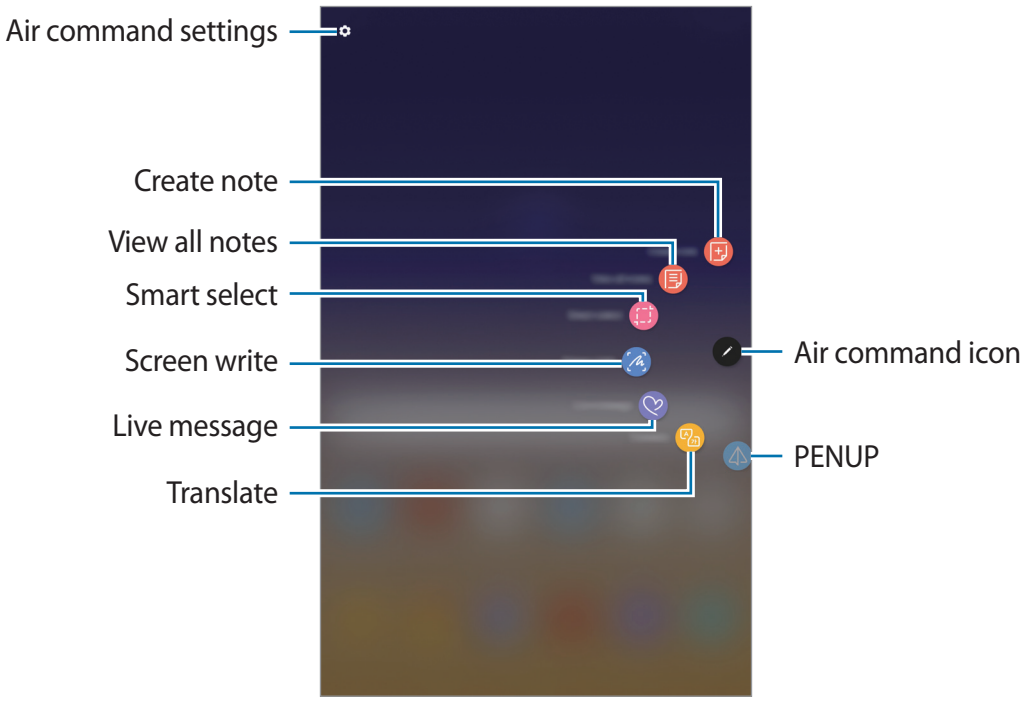
S Pen features

Air command

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

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

Drag upwards or downwards on the Air command panel and select a function or app you want.



Adding shortcuts to the Air command panel

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.

Alternatively, open the Air command panel and tap ⚙ → **Shortcuts**.

S Pen features

Activate various S Pen features from the Air command panel. The shortcuts that do not appear on the panel by default can be added by using the **Add shortcuts** feature.

- **Create note**: Create notes easily in a pop-up window without launching the **Samsung Notes** app. Refer to Create note for more information.
- **View all notes**: View all notes in the **Samsung Notes** app.
- **Smart select**: Use the S Pen to select an area and perform actions, such as sharing or saving. Refer to Smart select for more information.
- **Screen write**: Capture screenshots to write or draw on them or crop an area from the captured image. You can also capture the current content and the hidden content on an elongated page, such as a webpage. Refer to Screen write for more information.
- **Live 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. Refer to Live message for more information.
- **Translate**: Hover the S Pen over a word to translate it. Refer to Translate for more information.
- **PENUP**: Post your artwork, view others' artwork, and get useful drawing tips. Refer to PENUP for more information.
- **Add shortcuts**: Add shortcuts to frequently used apps to the Air command panel.

Air command icon

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

To move the icon, drag to a new location.

If the Air command icon does not appear on the screen, launch the **Settings** app, tap **Advanced features** → **S Pen**, and then tap the **Floating icon** switch to activate it.

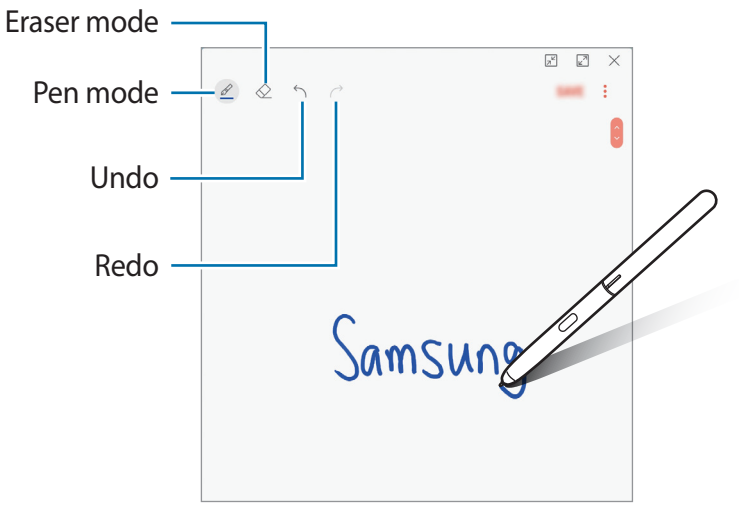
Create note

Create notes easily in a pop-up window without launching the **Samsung Notes** app.

1 Open the Air command panel and tap **Create note**. Alternatively, double-tap the screen while pressing and holding the S Pen button.

The note screen will appear as a pop-up window.

2 Create a note using the S Pen.



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

The note will be saved in **Samsung Notes**.

Smart select

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

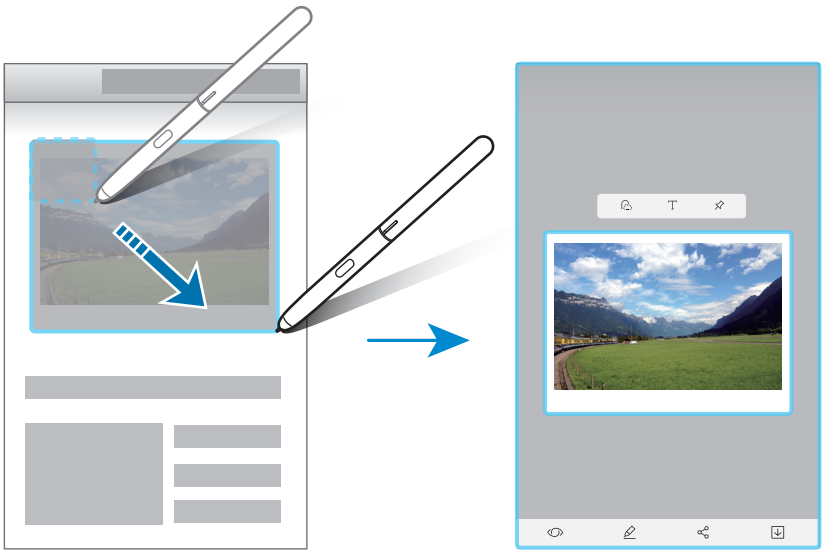
1 When there is content you want to capture, such as a part of an image, open the Air command panel and tap **Smart select**.

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.

To pin the selected area at the top of the screen, tap **Pin to screen**.



3 Select an option to use with the selected area.

- **Bixby Vision**: Recognise content using Bixby Vision and search for relevant information.
- **Draw**: Write or draw on the selected area.
- **Share**: Share the selected area with others.
- **Save**: Save the selected area in **Gallery**.

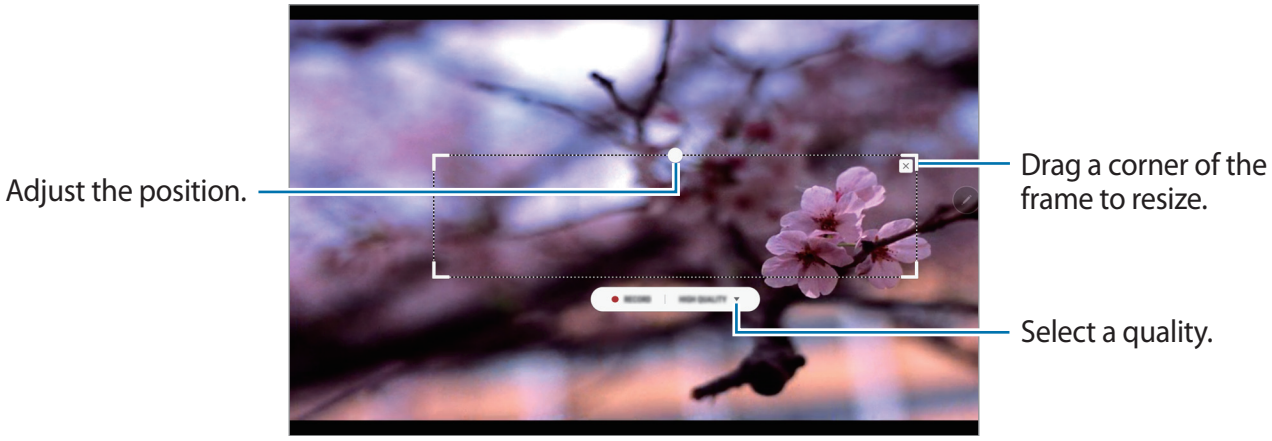
Capturing an area from a video

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

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

2 On the toolbar, tap **Animation**.

3 Adjust the position and size of the capturing area.



4 Tap **RECORD** to start capturing.

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

5 Tap **STOP** to stop capturing.

6 Select an option to use with the selected area.

- **Draw**: Write or draw on the selected area. Tap **Preview** to view the result before saving the file.
- **Share**: Share the selected area with others.
- **Save**: Save the selected area in **Gallery**.

Screen write

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

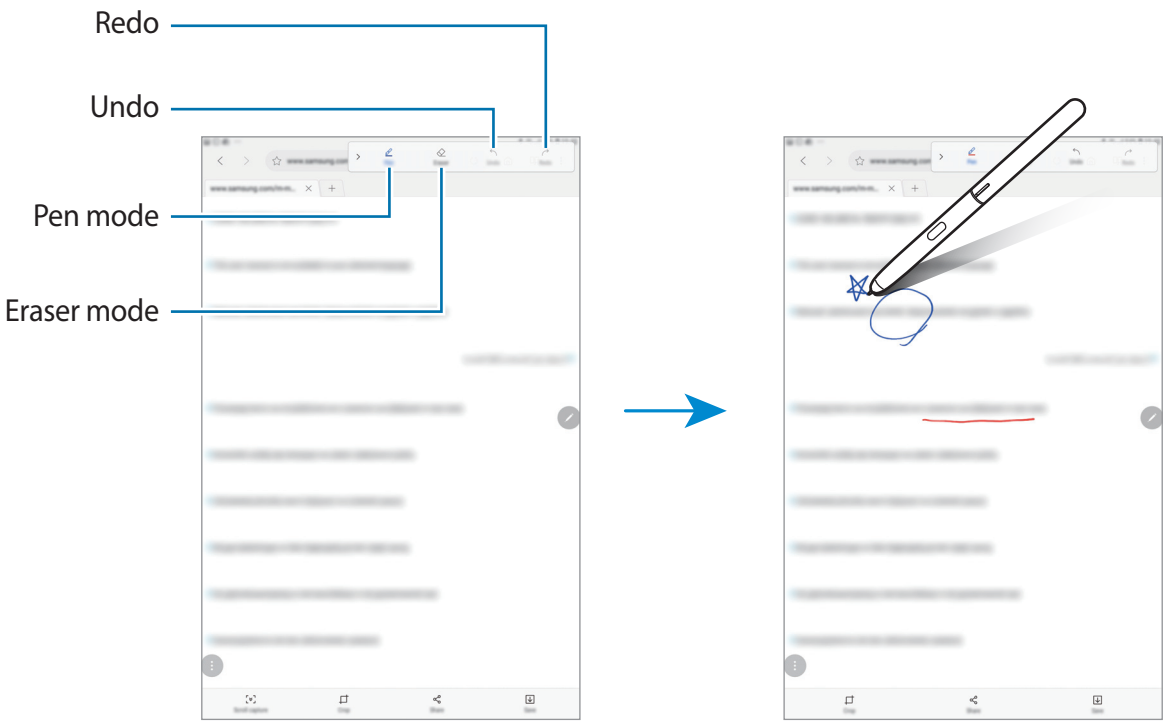
It is not possible to capture a screenshot while using some apps.

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

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

2 If you capture the content on an elongated page, such as a webpage, tap **Scroll capture** to capture the hidden content. Tap **SCROLL CAPTURE** repeatedly until screen capture is complete, and then tap **DONE**.

3 Write a memo on the screenshot.



4 Select an option to use with the screenshot.

- **Crop**: Crop a portion of the screenshot. Only the cropped area will be saved in **Gallery**.
- **Share**: Share the screenshot with others.
- **Save**: Save the screenshot in **Gallery**.

Live message

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

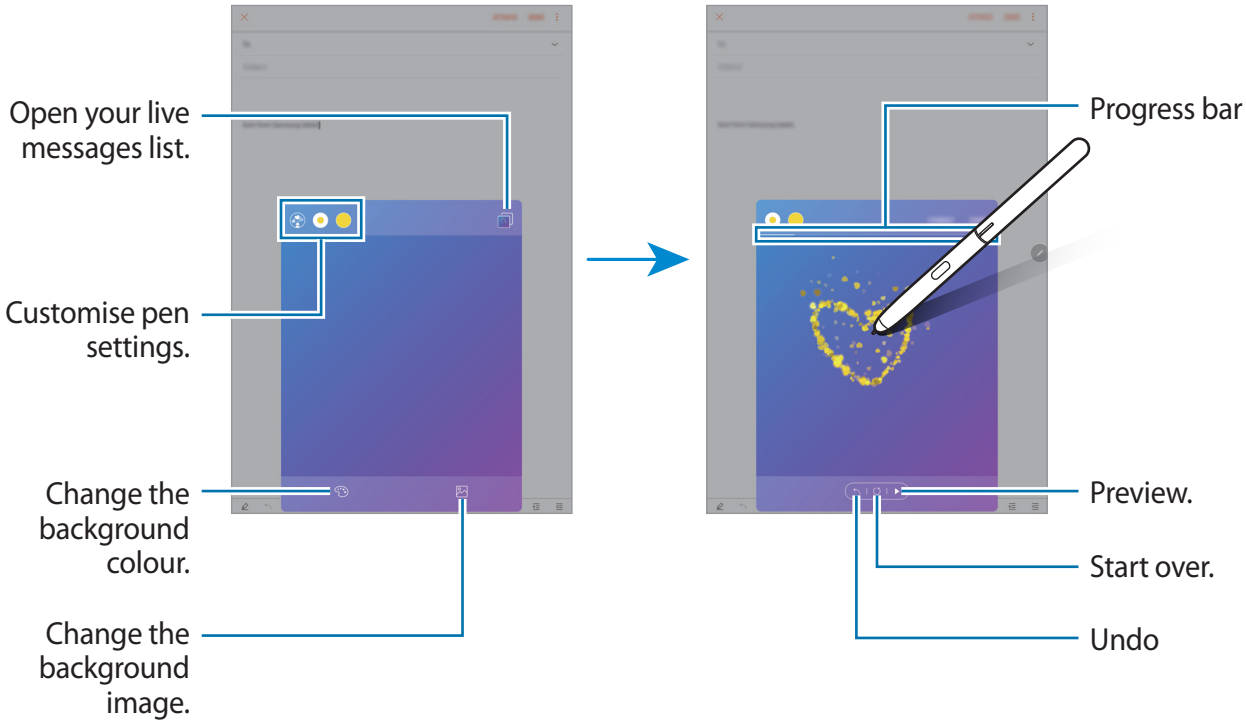
1 When you want to send an animated message while composing an email, open the Air command panel and tap **Live message**. Alternatively, tap → on the Samsung keyboard.

The live message window will appear.

2 Customise pen settings and background image.

- : Change the writing effect.
- : Change the pen's radius.
- : Change the pen's colour.
- : Change the background colour.
- : Change the background image.

3 Write or draw on the live message window.



4 When you are finished, tap **DONE** and send the email.

The live message will be saved in **Gallery** as an animated GIF file and it will be attached to the current email.

You can also share live messages using other sharing methods.

- Select a live message in **Gallery** and tap <.
- On other screens rather than the email composition screen, open the Air command, tap **Live message**, create a live message, and then tap **SHARE**.

Translate

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

- To use this feature, your device must be connected to a Wi-Fi network.
- This feature does not support some languages.
- This feature is available only when detectable text is on the screen.

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

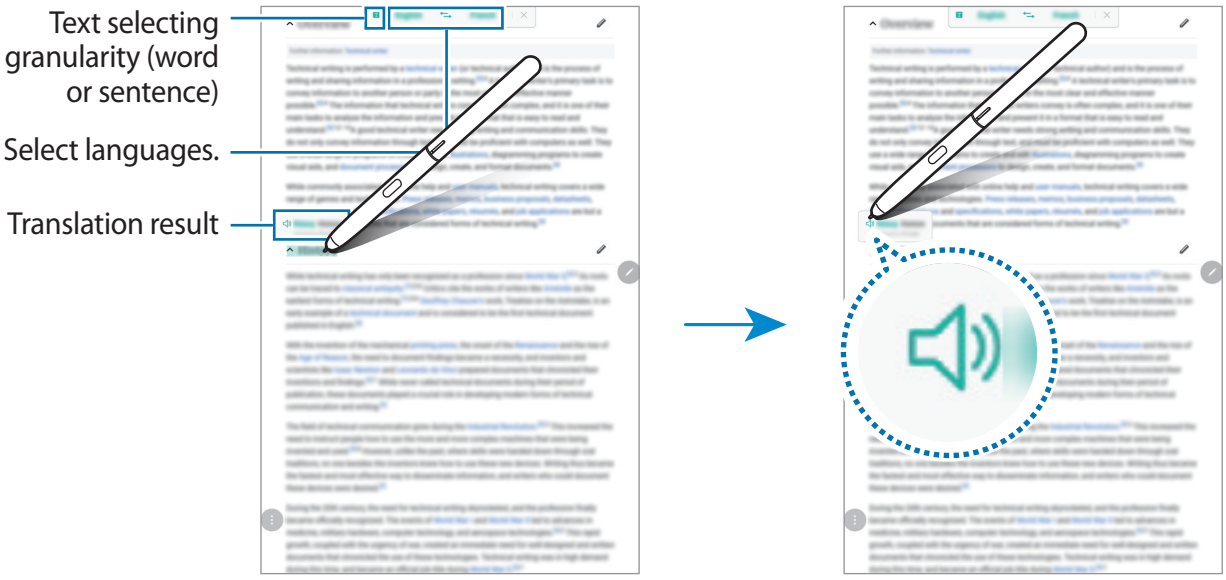
2 Select the languages on the translator panel at the top of the screen.

You can change the text between words and sentences by tapping or .

3 Hover the S Pen over the text you want to translate or the unit you want to convert.

The translated text will appear above the original text. To listen to the pronunciation of the original text, tap .

The icon may not appear depending on the language you select.

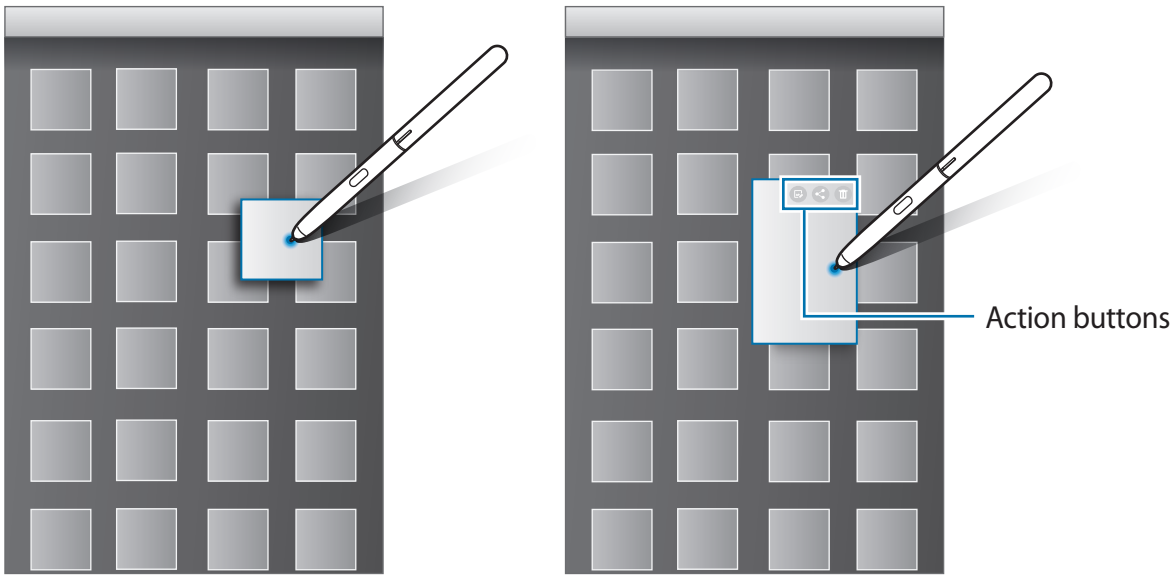


4 To close the translator, tap on the translator panel.

Air view

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

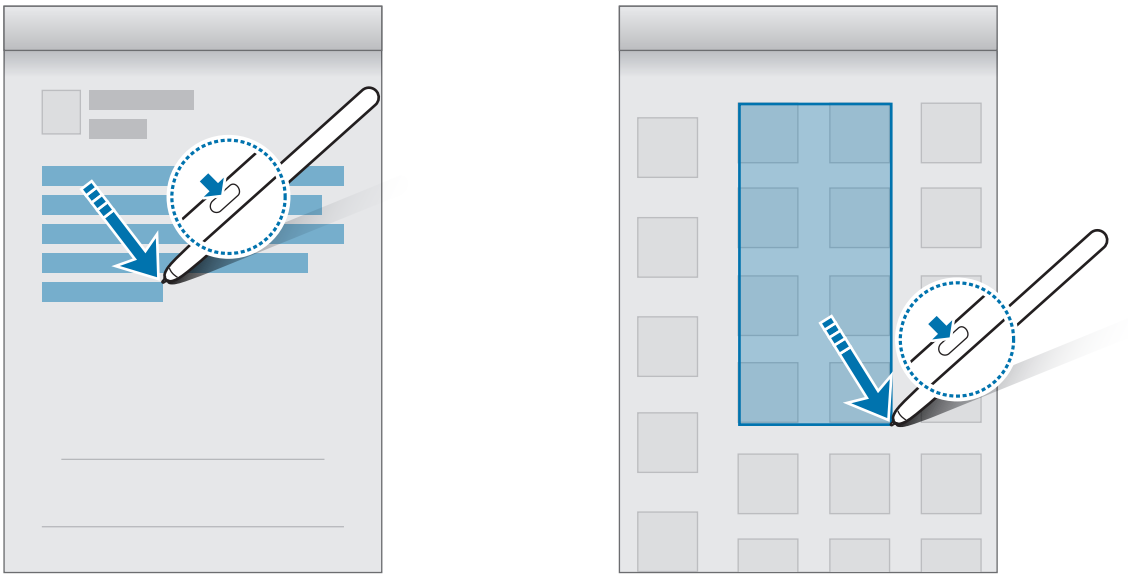
In some apps, Action buttons will be displayed on the preview window.



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



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, hover the S Pen over the screen and press 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**.

To view memos, launch the **Samsung Notes** app and tap ☰ → **Screen off memo**.

Bixby

Introduction

Bixby is a new interface that can communicate with you and it provides services that help you to use your tablet more conveniently.

- **Bixby Home**: You can view recommended services and information that Bixby provides by analysing your usage patterns and your routine.
- **Bixby Vision**: You can easily search for relevant information about objects or locations using the Bixby Vision features.
- **Reminder**: You can create reminders to schedule to-do items or to view content later.

- To use the Bixby feature, your device must be connected to a Wi-Fi network.
- To use the Bixby feature, you must register and sign in to your Samsung account.

Starting Bixby

When you launch Bixby for the first time, the Bixby intro page will appear. You must register and sign in to your Samsung account according to the on-screen instructions and agree to the terms and conditions.

1 Swipe to the right on the Home screen.

2 Check the Bixby intro page and tap **START**.

3 Tap **SIGN IN** and follow the on-screen instructions to sign in to your Samsung account.

If you are already signed in, this step will not appear.

4 Tap **DONE** to finish registering your Samsung account.

5 Read and agree to the terms and conditions and tap **NEXT**.

The Bixby Home screen will appear.

Bixby Home

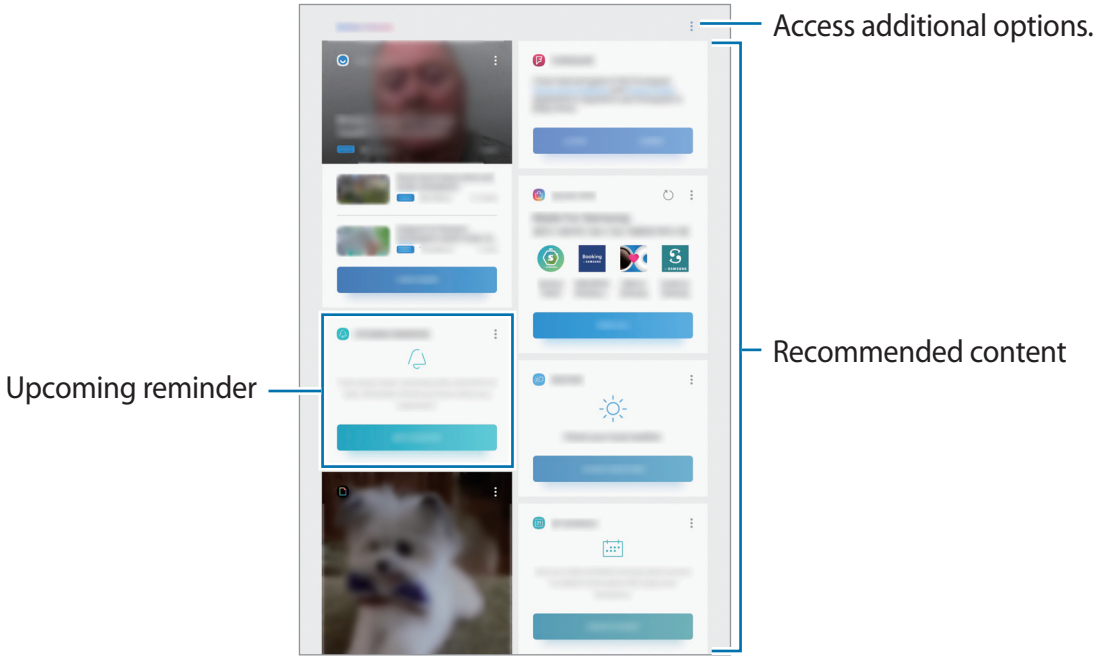
On the Bixby Home screen, you can view recommended services and information that Bixby Home provides by analysing your usage patterns and your routine.

Opening Bixby Home

1 Swipe to the right on the Home screen.

The Bixby Home screen will appear.

2 Swipe upwards or downwards to view recommended content.



3 To close Bixby Home, swipe to the left on the screen.

Using recommended content on Bixby Home

When you open Bixby Home, you can view the content that is frequently updated as Bixby Home cards. Swipe upwards or downwards to view the Bixby Home cards.

For example, on the way to the office in the morning, you can view your day's schedule and play your favourite music on the Bixby Home screen.

The content and order of the cards update automatically at a specified interval. To manually update cards, swipe downwards on the screen.

Editing Bixby Home cards list

- To pin a card to the top of the Bixby Home screen, tap ⋮ → **Pin to top**. To unpin a card, tap ⋮ → **Unpin**.
- To hide a card from the list, tap ⋮ → **Hide for now**.
- To stop displaying a card on the list, tap ⋮ → **Don't show again**.

Selecting apps to show as Bixby Home cards

Add or delete apps to show as cards on the Bixby Home screen.

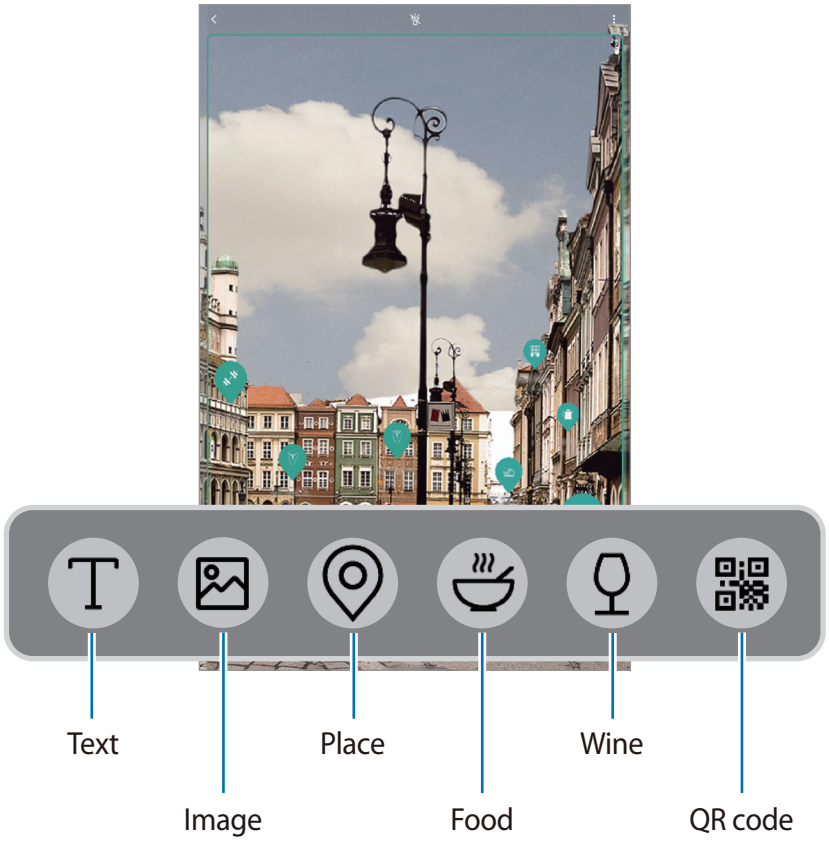
On the Bixby Home screen, tap ⋮ → **Settings** → **Cards** and tap the switches next to items to add or delete them.

If an app is not installed on the device, you must install it to use it. On the Bixby Home screen, tap ⋮ → **Settings** → **Cards** and then download an app.

Bixby Vision

Bixby Vision is a service that provides information, such as similar images, location, translated text, and QR codes. Bixby Vision recognises objects quickly and intuitively even when you do not know its name.

Use the following Bixby Vision features.



- To use this feature, the device must be connected to a Wi-Fi network.
- To use this feature, you must register and sign in to your Samsung account.
- The available features and search results may vary depending on the region or service provider.
- This feature may not be available or you may not get correct search results depending on the image size, format, or resolution.
- Samsung is not responsible for the product information provided by Bixby Vision.

Launching Bixby Vision

1 Launch Bixby Vision using one of these methods.

- In the **Camera** app, select the **AUTO** mode and tap .
- In the **Gallery** app, select an image and tap .
- In the **Internet** app, tap and hold an image and tap **Bixby Vision**.
- Open the Air command panel, tap **Smart select**, select an area, and then tap **Bixby Vision**.
- Capture a screen and select **Bixby Vision** on the toolbar.
- If you added the Bixby Vision app icon to the Home screen and the Apps screen, launch the **Bixby Vision** app.

2 Select the feature you want.

3 Keep the object within the screen to recognise it.

When the object is recognised, related information will appear on the screen.

To view more information, tap the feature icon or select a search result.

Translating or extracting text

Recognise and show the translated text on the screen. You can also extract text from a document or text file.

For example, if you want to know what a sign says while travelling abroad, use the Bixby Vision features. The device will translate the sign's text into the language you select.

1 When you have a desired image or object, launch Bixby Vision.

2 Select and keep the text within the screen to recognise it.

The translated text will appear on the screen.

- To extract text, tap . You can share or save the extracted text.
- To change the source or target language, tap the language settings panel at the top of the screen.

Searching for similar images

Search for images similar to the recognised object online. You can view various images with properties similar to the object, such as colour or shape.

For example, if you want to know the title of a photo or image, use the Bixby Vision features. The device will search for and show you related information or images with similar characteristics.

1 When you have a desired image or object, launch Bixby Vision.

2 Select and keep the object within the screen to recognise it.

3 Tap or select a search result on the screen.

The similar images will appear.

Searching for nearby places

Search for information about nearby places by recognising your current location.

For example, if you want to search for cafes nearby, use the Bixby Vision features. The device will search for and show you nearby cafes.

1 When you have a desired place, launch Bixby Vision.

2 Select and keep the place within the screen to recognise it.

You can view basic information about nearby places.

When you move your device, nearby places in the direction where the camera is facing will appear on the screen.

If you are using Bixby Vision with the camera, you can view your current location and weather information. To view your current location on the map, point the camera towards the ground. To view the current weather information, point the camera towards the sky.

3 Tap or select a search result on the screen.

The device will show information of nearby places.

Searching for food information

Search for nutritional information and recipe of food.

For example, if you want to search for nutritional information or recipe, use the Bixby Vision features.

1 When you have a desired image or object, launch Bixby Vision.

2 Select and keep the object within the screen to recognise it.

3 Tap or select a search result on the screen.

The information about food will appear.

- **RECIPE**: Search for the recipe.
- **VIDEOS**: Search for cooking videos.

Searching for wine information

Detect the information from a wine label and search for information on the wine.

For example, if you find your favourite wine or want to know more about a wine, use the Bixby Vision features.

1 When you have a desired image or object, launch Bixby Vision.

2 Select and keep the wine label within the screen to recognise it.

3 Tap or select a search result on the screen.

The information about the wine label will appear.

Reading QR codes

Recognise QR codes and view a variety of information, such as websites, photos, videos, maps, and business cards.

1 When you have a desired image or object, launch Bixby Vision.

2 Select and keep the QR code within the screen to recognise it.

The information connected to the QR code will appear.

Reminder

Create reminders to schedule to-do items or to view content later. You will receive notifications at the preset time or location for each reminder.

- To receive more accurate notifications, connect to a Wi-Fi network.
- To fully use this feature, you must register and sign in to your Samsung account.
- To use location reminders, the GPS feature must be activated.

Starting Reminder

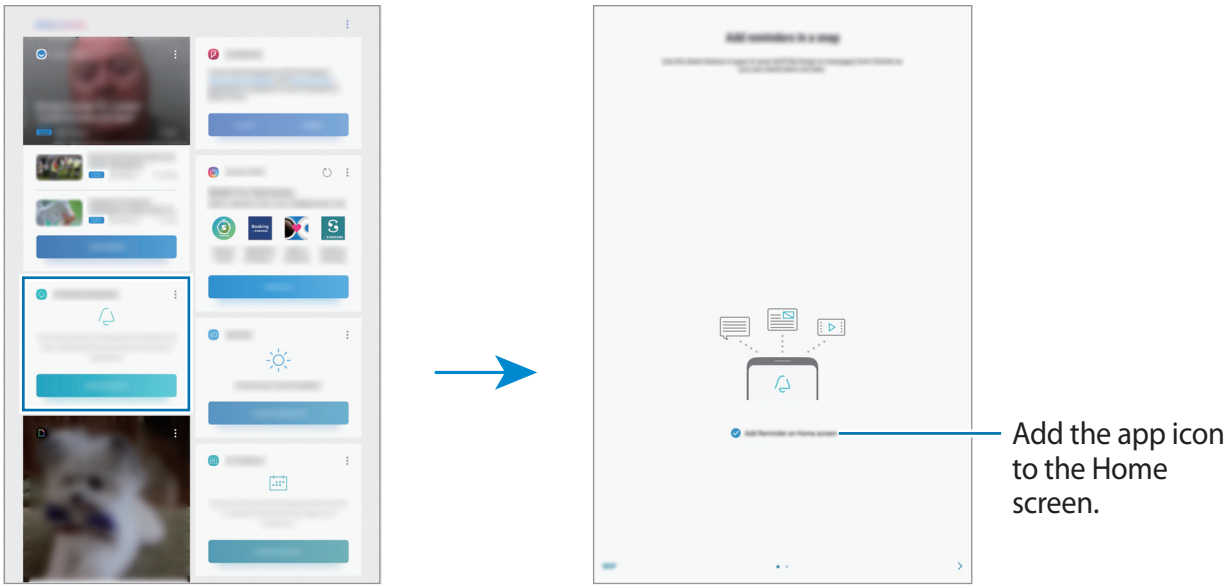
You can start Reminder from Bixby Home.

1 Swipe to the right on the Home screen.

The Bixby Home screen will appear.

2 Tap **GET STARTED** on the **UPCOMING REMINDERS** card.

The Reminder intro page will appear.



3 Tap **START**.

If the **Add Reminder on Home screen** option is ticked, you can launch the **Reminder** app ( ) from the Home screen.

Creating reminders

Create reminders with various methods. Reminder will alert you if you create a reminder with a specified time or location setting. You can also save various content, such as a single memo or webpage address, and view it later.

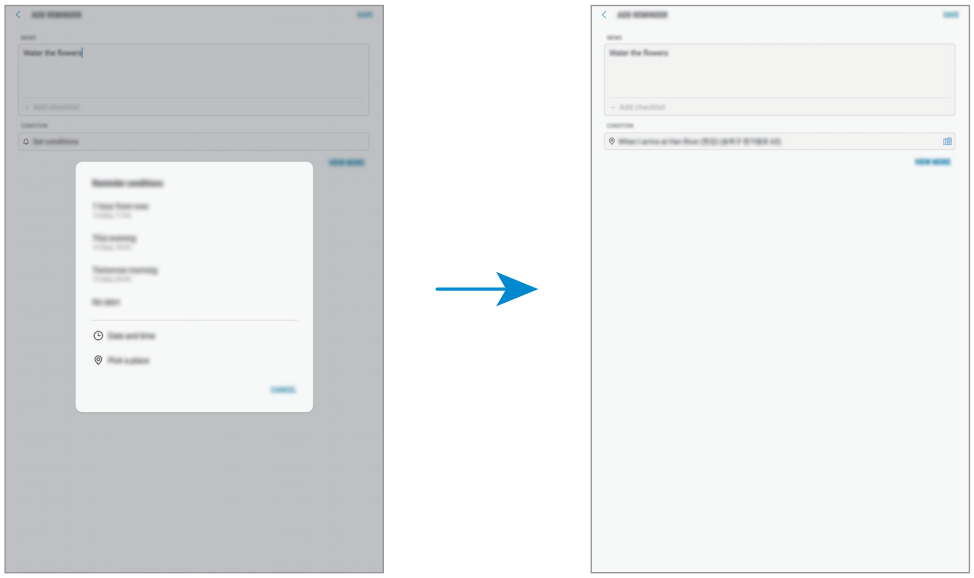
For example, create a reminder to alert you to 'Water the flowers when I get home'.

1 Launch the **Reminder** app.

2 Tap **Write a reminder** and enter 'Water the flowers'.

3 Tap **Set conditions** → **Pick a place** and set the location to home.

4 Tap **WHEN I ARRIVE AT** → **DONE**.

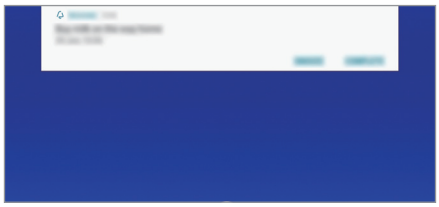


5 Tap **SAVE** to save the reminder.

When you arrive at home, the 'Water the flowers' notification will appear.

Checking reminder notifications

At the preset time or location, a notification pop-up window will appear. Tap **COMPLETE** or **SNOOZE**.



Viewing the reminders list

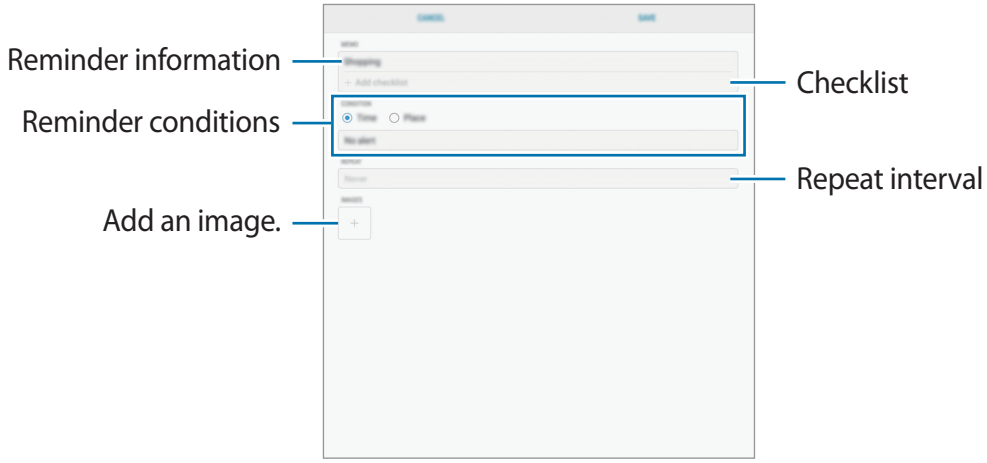
Launch the **Reminder** app to view your reminders list. To view reminder details, select a reminder.

Setting reminder details

Add or edit reminder details, such as frequency, date and time, or location.

1 Select a reminder to edit and tap **EDIT**. Alternatively, swipe right on a reminder and tap **Edit**.

2 Edit the conditions and tap **SAVE**.



Completing reminders

Mark reminders that you do not need to be reminded of as complete.

On the reminders list, select a reminder and tap **COMPLETE**. Alternatively, swipe to the left on a reminder.

Restoring reminders

Restore reminders that have been completed.

1 On the reminders list, tap ⋮ → **Completed** → **EDIT**.

2 Tick items to restore and tap **RESTORE**.

Reminders will be added to the reminders list and you will be reminded at the preset times.

Deleting reminders

To delete a reminder, swipe right on a reminder and tap **Delete**. To delete multiple reminders, tap and hold a reminder, tick reminders to delete, and then tap **DELETE**.

Customising Bixby settings

On the Bixby Home screen, tap ⋮ → **Settings**.

- **Samsung account**: View your Samsung account information.
- **Cards**: Select apps to show as cards on the Bixby Home screen.
- **Notifications**: Set to receive notifications about Bixby Home cards.
- **Privacy**: Set to use Bixby's interactive and customised services to enhance your experience.
- **About Bixby Home**: View the Bixby version and legal information.

Contacts

Introduction

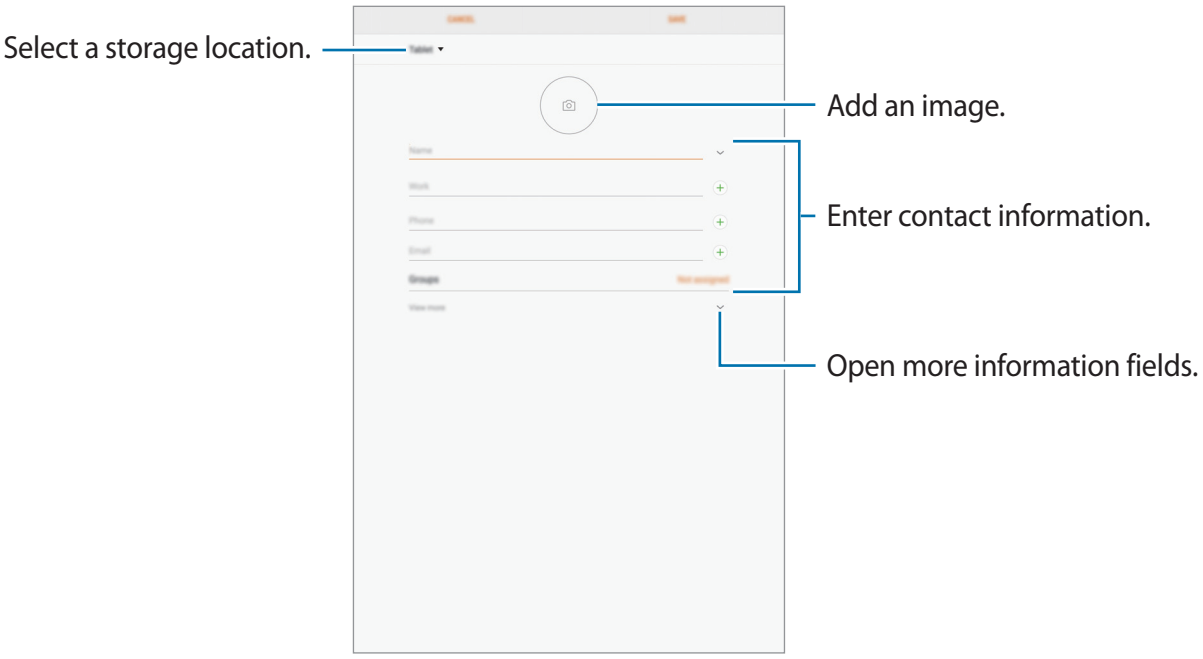
Create new contacts or manage contacts on the device.

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**.

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**.

Synching 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.

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

- ☆ : Add to favourite contacts.
- ✉ : 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 Select contacts and tap **SHARE**.

3 Select a sharing method.

Merging duplicate contacts

When you import contacts from other storages, or sync contacts with 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**.

To delete contacts one by one, open the contacts list and tap a contact. Then tap ⋮ → **Delete**.

Internet

Introduction

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

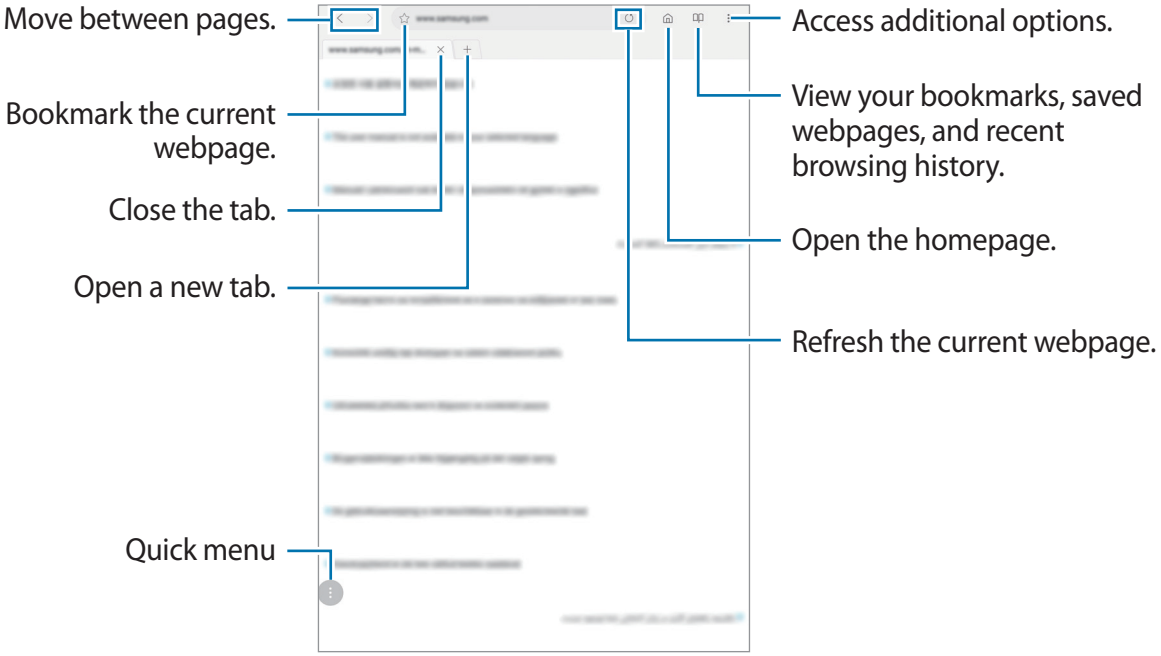
Browsing webpages

1 Open the **Samsung** folder and 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 manage open tabs, bookmarks, and saved pages. You can lock secret mode using a password and your irises.

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 irises as the lock method along with the password, tap the **Irises** switch to activate it. Refer to Iris recognition for more information about using your irises.

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 Open the **Samsung** folder and 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 a subject line and 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 top of the emails list.

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.

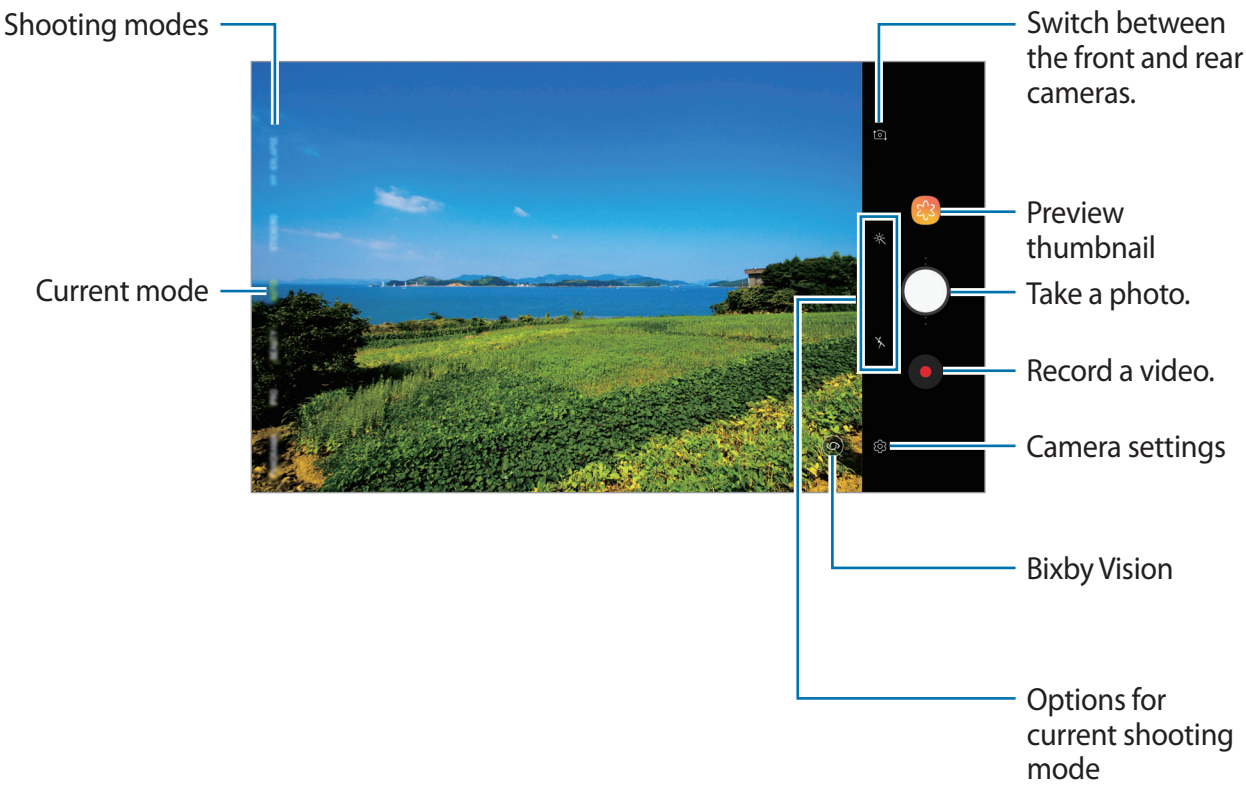
- Some methods may not be available depending on the region or service provider.
- If photos you take appear blurry, clean the camera lens and try again.

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.



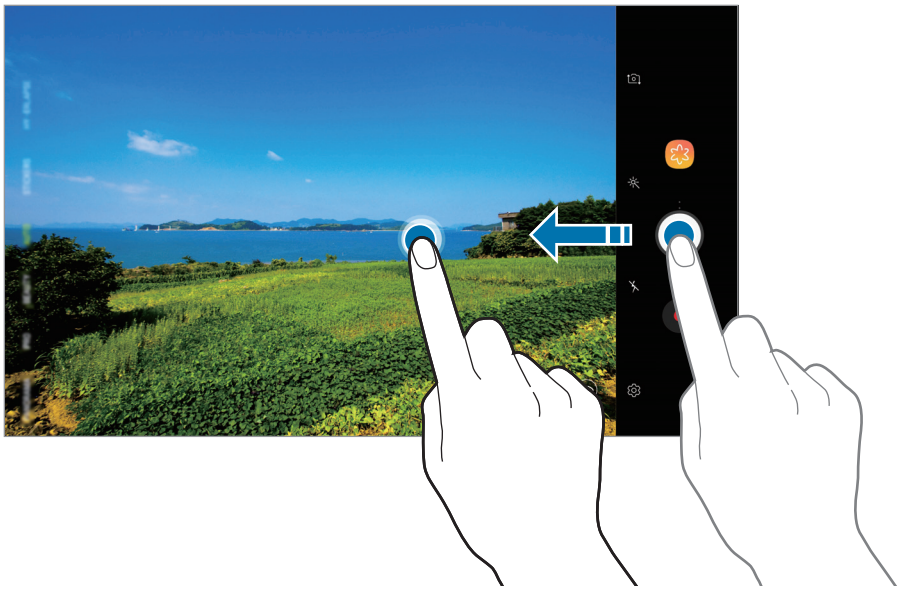
- To adjust the brightness of photos or videos, tap the screen. When the adjustment bar appears, drag ☼ on the adjustment bar towards + or —.
- To capture an image from the video while recording, tap ◉.
- To change the focus while recording a video, tap where you want to focus. To use auto focus mode, tap [AF].

- 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 not damaged or contaminated. Otherwise, the device may not work properly in some modes that require high resolutions.
- Your device's camera features a wide-angle lens. Minor distortion may occur in wide-angle photos or videos and does not indicate device performance problems.
- The maximum recording time may reduce when you record video at high resolution.

Adding another camera button

Add another camera button to the location you want on the screen to capture photos more conveniently.

Drag ◯ to the preview screen.



Setting the camera button action

You can take a series of photos or create an animated GIF by tapping and holding the camera button.

On the preview screen, tap ⚙ → **Hold Camera button to** and select an action you want to use.

- **Take burst shot**: Take a series of photos.
- **Create GIF**: Create an animated GIF with sequential photos you taken.

This feature is available only in some shooting modes.

Zooming in and out

Use various methods to zoom in or out.

- Spread two fingers apart on the screen to zoom in, and pinch to zoom out.
- Control the zoom with one finger. Drag ◯ on the zoom bar towards + or −.

Zooming features are available only when using the rear camera.

Using the focus and exposure features

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.

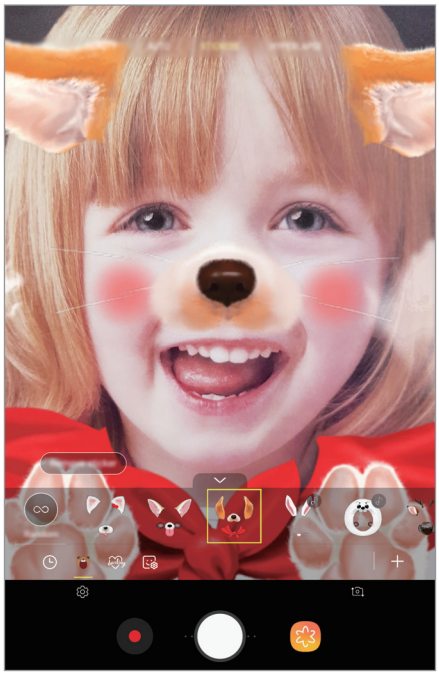
This feature is available only in **AUTO** and **PRO** modes.

More fun with live stickers

Capture photos and videos with various live stickers. As you move your face, stickers will track with your movements. You can also record a lovely and funny sticker that keeps moving in a video.

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

2 Tap and select a sticker.



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

Applying stickers randomly

You can apply stickers randomly, instead of selecting one from the stickers list.

Tap **Random** repeatedly until the sticker you want appears.

Using shooting modes

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

Select a shooting mode you want.

You can edit the shooting modes list. On the preview screen, tap → **Edit camera modes**. Alternatively, tap and hold the shooting modes list on the preview screen.

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**.

Beauty mode

Take a photo with lightened skin tone and modified facial features.

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

To apply beauty effect, tap and select options. Refer to Applying beauty effects for more information.

Pro mode

Capture photos and videos 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 or tap to record a video.

Available options

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

Panorama mode

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

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.

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

2 Tap ◯ and move the device slowly in one direction.

3 Tap ■ to stop taking photos.

Taking a motion panorama

You can take and view a panorama with motion.

When taking motion panoramas, sound will not be recorded.

1 On the panorama preview screen, make sure the motion feature is activated ( ) and take a motion panorama.

2 On the preview screen, tap the preview thumbnail.

3 Tap **VIEW AS MOTION PANORAMA**.

The captured motion panorama will be played.

4 Tilt the device or swipe on the screen to rotate the captured motion panorama.

To save the motion panorama as a video file, tap **SAVE VIDEO**.

HDR mode

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

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

Without effect

With effect

Food mode

Take photos of food with more vibrant colours.

You must first add this mode to the shooting modes list before you can use it. On the preview screen, tap ⚙ → **Edit camera modes** → **Rear camera**, and then tick **Food**.

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.

Hyperlapse mode

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

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.

Sports mode

Take clearer photos of fast-moving subjects, such as a person running or a pet in motion.

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

You must first add this mode to the shooting modes list before you can use it. On the preview screen, tap → **Edit camera modes** → **Rear camera**, and then tick **Sports**.

Selfie mode

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 Tap to take a photo.

Alternatively, 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** and **BEAUTY** modes.

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

Selfie focus mode

Take selfies that focus on your face by blurring the background.

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 FOCUS**.

3 Face the front camera lens.

4 Tap to take a photo.

Alternatively, 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 adjust the skin tone before taking self-portraits.

1 On the preview screen, tap .

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

- **Colour**: Adjust the screen colour tone.
- **Skin**: Make your skin appear brighter and clearer.

Wide selfie mode

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 Tap to take a photo.

Alternatively, 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.

Taking a wide self-portrait with motion

You can take and view a wide self-portrait with motion.

- When taking a wide self-portrait with motion, sound will not be recorded.
- Depending on the shooting conditions, motion may not be saved.

1 On the wide selfie preview screen, make sure the motion feature is activated ( ) and take a wide self-portrait with motion.

2 On the preview screen, tap the preview thumbnail.

3 Tap **MOTION WIDE-ANGLE SELFIE**.

The captured wide self-portrait will be played.

4 Tilt the device or swipe on the screen to rotate the captured wide self-portrait.

To save the wide self-portrait as a video file, tap **SAVE VIDEO**.

Customising camera settings

Options for current shooting mode

On the preview screen, use the following options.

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

- : Select a filter effect to use when taking photos or recording videos.
- : Activate or deactivate the flash.
- : 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 or motion wide selfies that can be played as videos. You can view the motion photos at different angles by tilting the device or swiping on the screen.
- : In **FOOD** mode, Focus on a subject inside the circular frame and blur the image outside the frame.
- : Select a frame rate.

Camera settings

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

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.
- **Timer**: Select the length of the delay before the camera automatically takes a photo.
- **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.

COMMON

- **Edit camera modes**: View available shooting modes or edit the shooting modes list.
- **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.

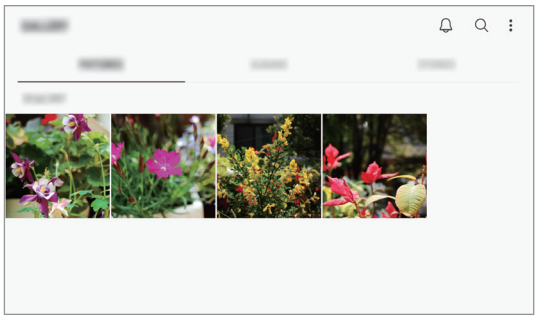
  - GPS signal strength may decrease in locations where the signal is obstructed, such as between buildings or in low-lying areas, or in poor weather conditions.
  - Your location may appear on your photos when you upload them to the Internet. To avoid this, deactivate the location tag setting.

- **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.
- **Hold Camera button to**: Select an action to perform when you tap and hold the camera button.
- **Press Volume key to**: Set the device to use the Volume key to control the shutter, zoom in or out, or adjust the volume level for system sounds.
- **Reset settings**: Reset the camera settings.
- **Contact us**: Ask questions or view frequently asked questions. Refer to Samsung Members for more information.

Gallery

Introduction

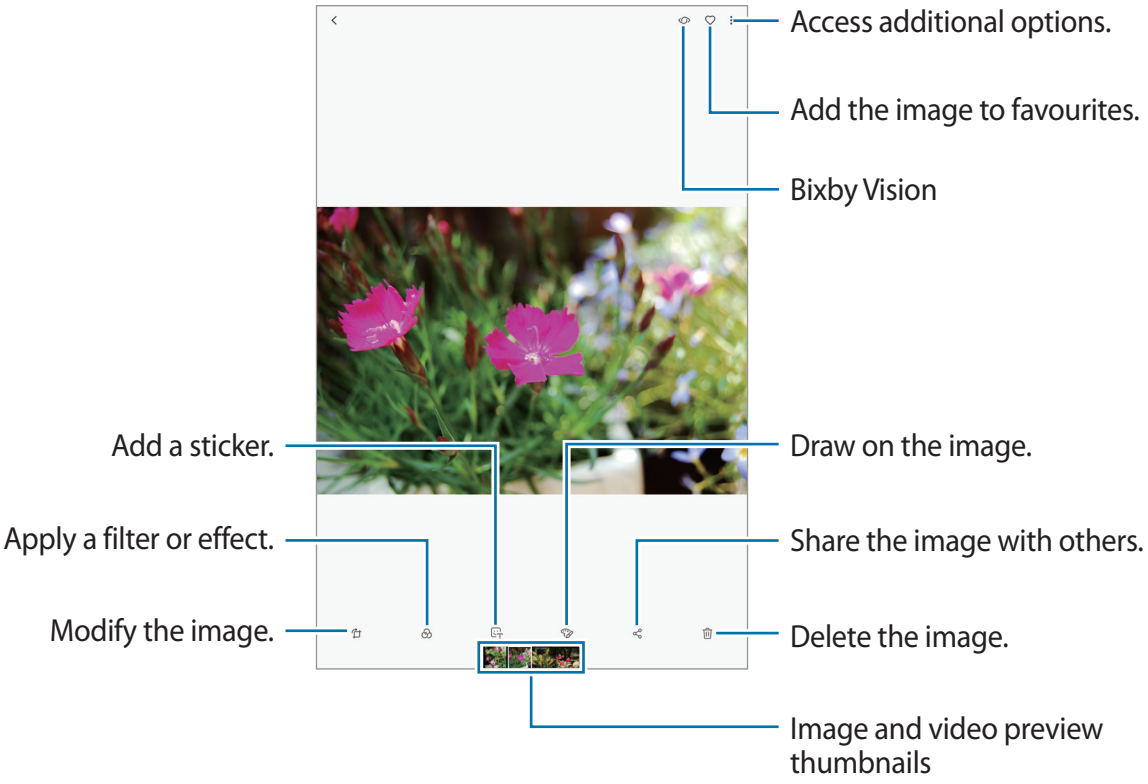
View images and videos stored in your device. You can also manage images and videos by album or create stories to share with others.



Viewing images

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

2 Select an image.



You can create a movie, animated GIF, or collage from multiple images. On the list, tap ⋮ → **Create movie**, **Create GIF**, or **Create collage**, and then select images.

Searching for images

Launch the **Gallery** app and tap 🔍 to view images sorted by category, such as types, locations, or documents.

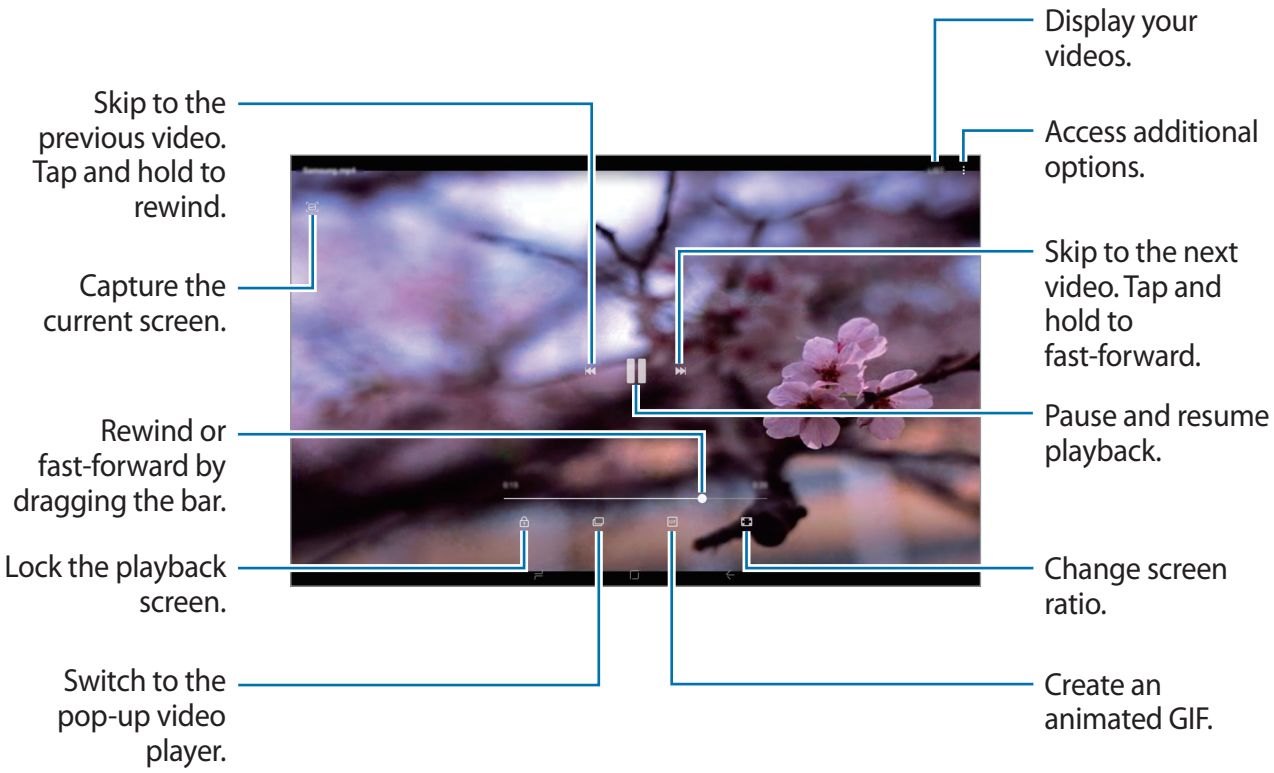
To search for images by entering keywords, tap the search field.

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.

3 Tap ▶ to play the video.



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.

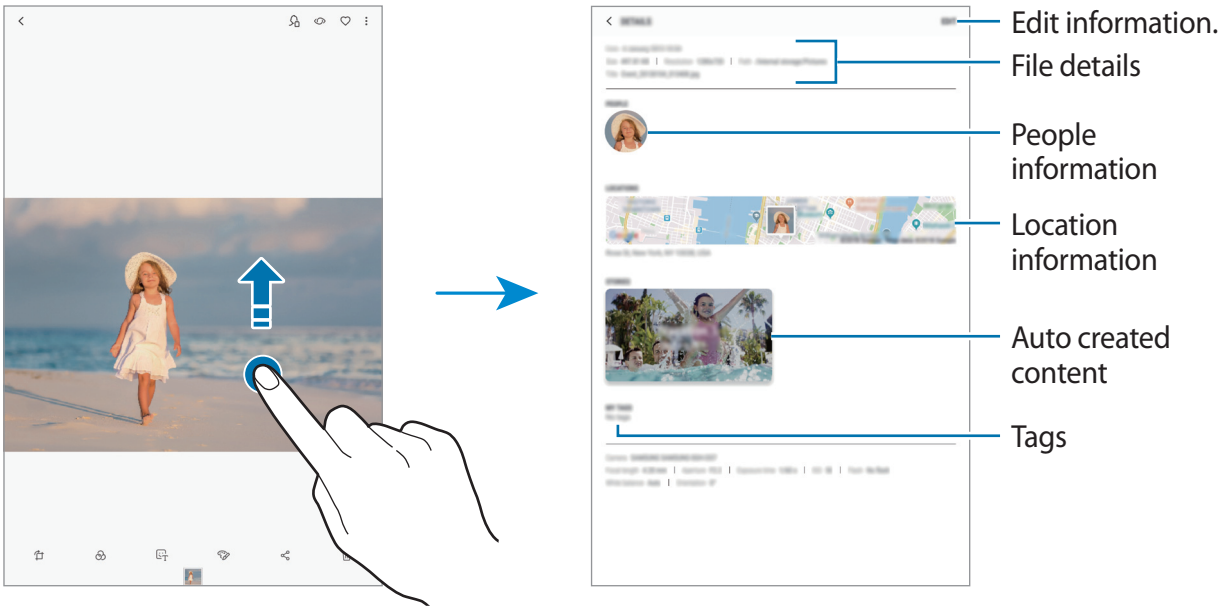
To rewind or fast-forward, swipe to the left or right on the playback screen.

Viewing the details of images and videos

You can view file details, such as people, location, and basic information. If there is auto created content, such as a story or a GIF, the content will also be displayed.

While viewing an image or on the video preview screen, drag upwards on the screen. File details will appear.

You can also view related content by tapping information on the screen.



Viewing albums

You can view your images and videos sorted by folders or albums. The movies, animated GIFs, or collages that 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.

Hiding albums

You can hide albums.

You cannot hide albums created by default, such as the **Camera** and **Screenshots** albums.

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

2 Tap ⋮ → **Hide or unhide albums**.

3 Select albums to hide and tap **APPLY**.

To show albums again, tap ⋮ → **Hide or unhide albums**, deselect albums to show, and then tap **APPLY**.

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.

Launch the **Gallery** app, tap **STORIES**, and then select a story.

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 Gallery screen, tap and hold an image or a video to delete.

2 Tick the images or videos to delete.

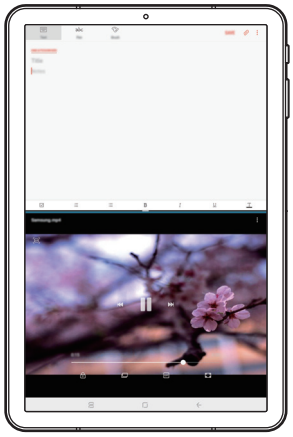
3 Tap **DELETE**.

Multi window

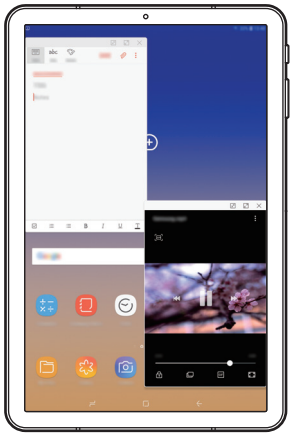
Introduction

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



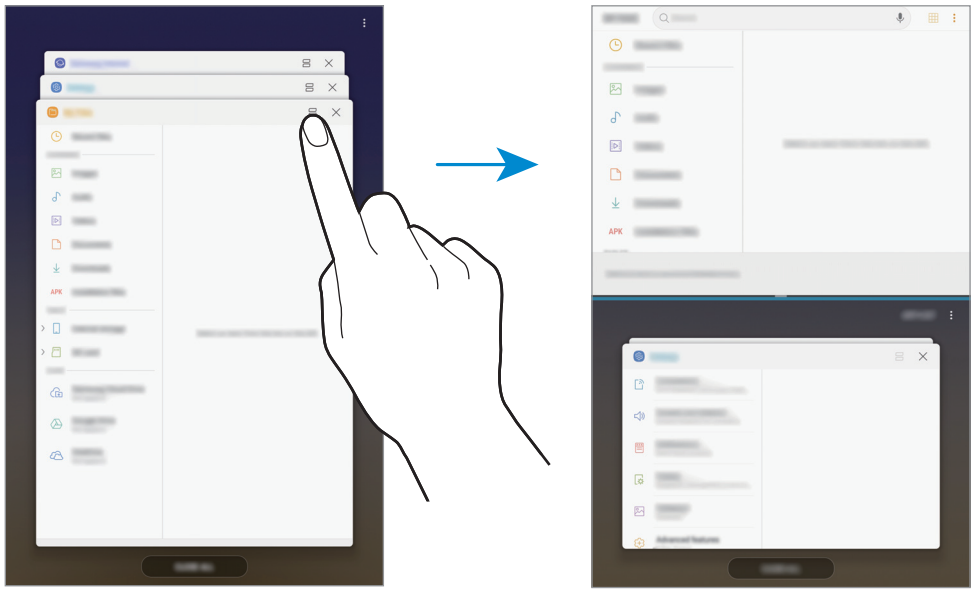
Pop-up view

Split screen view

1 Tap the Recents button 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.

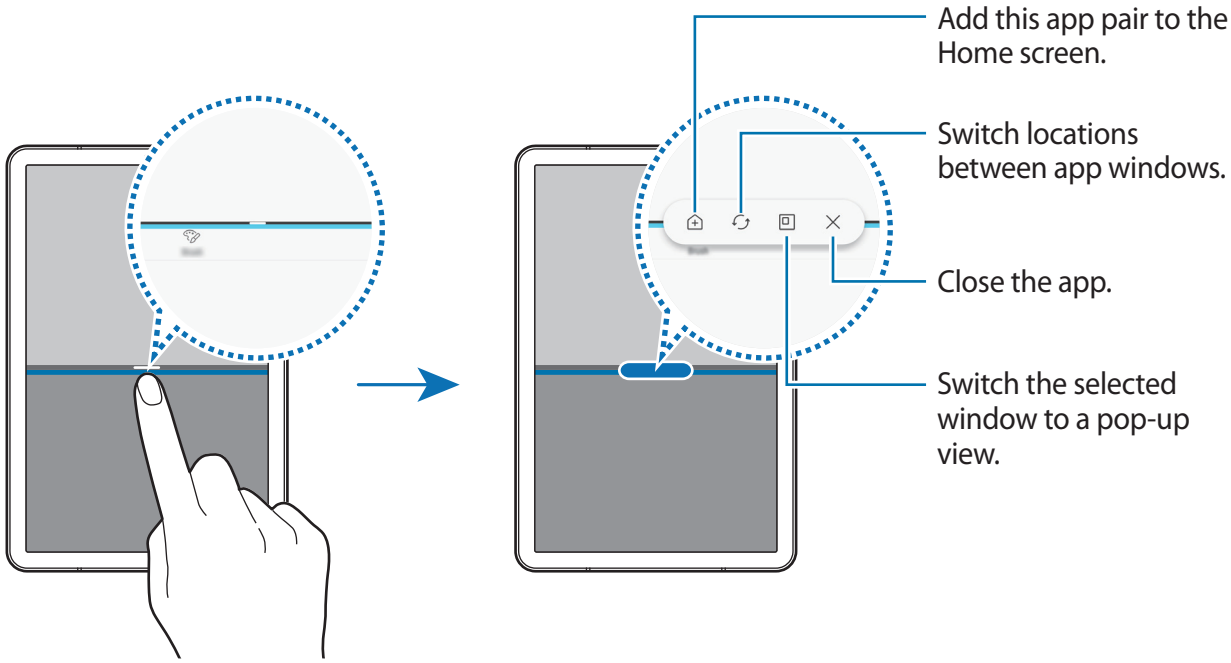


3 In the lower window, swipe upwards or downwards to select another app to launch.

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.

When you drag the bar between the app windows to the top or bottom edge of the screen, the window will be maximised.

Minimising the split screen view

Tap the Home button 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.

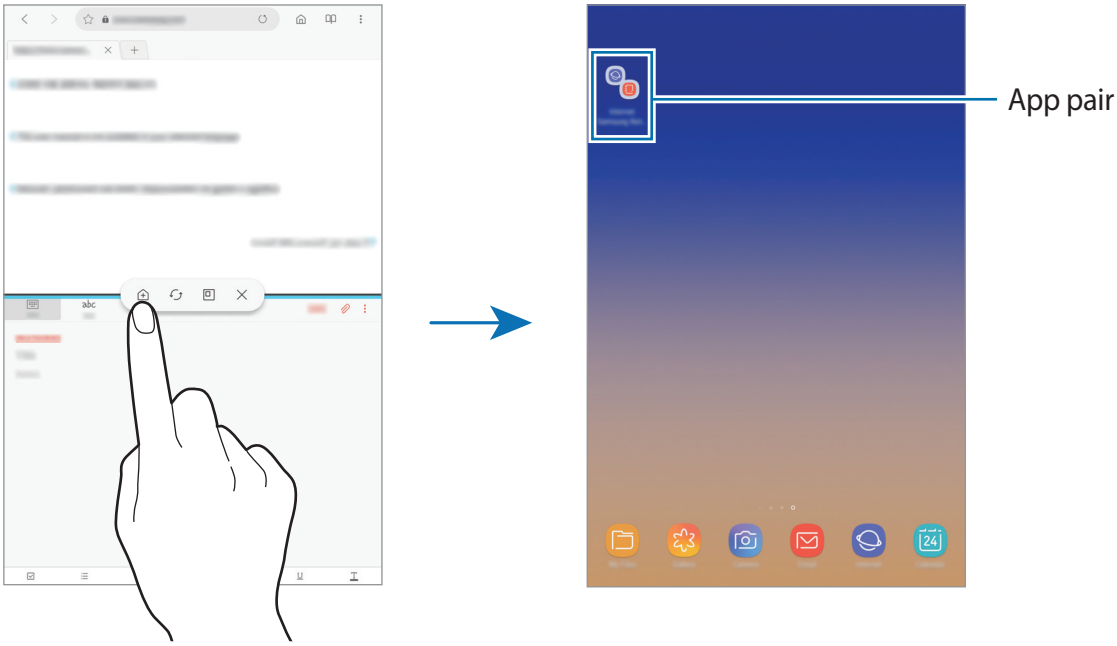
To close the minimised split screen view, tap ⊗.

Adding app pairs to the Home screen

When you add app pairs to the Home screen, you can launch two apps in the split screen view with a single tap.

Tap the bar between the app windows and tap .

The current app pair will be added on the Home screen.

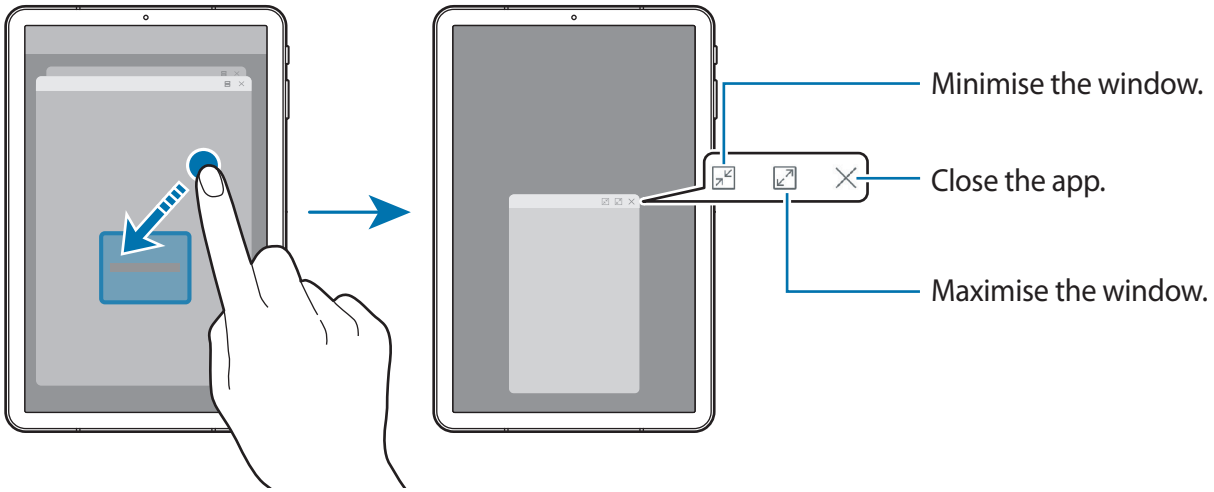


Pop-up view

1 Tap the Recents button 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.

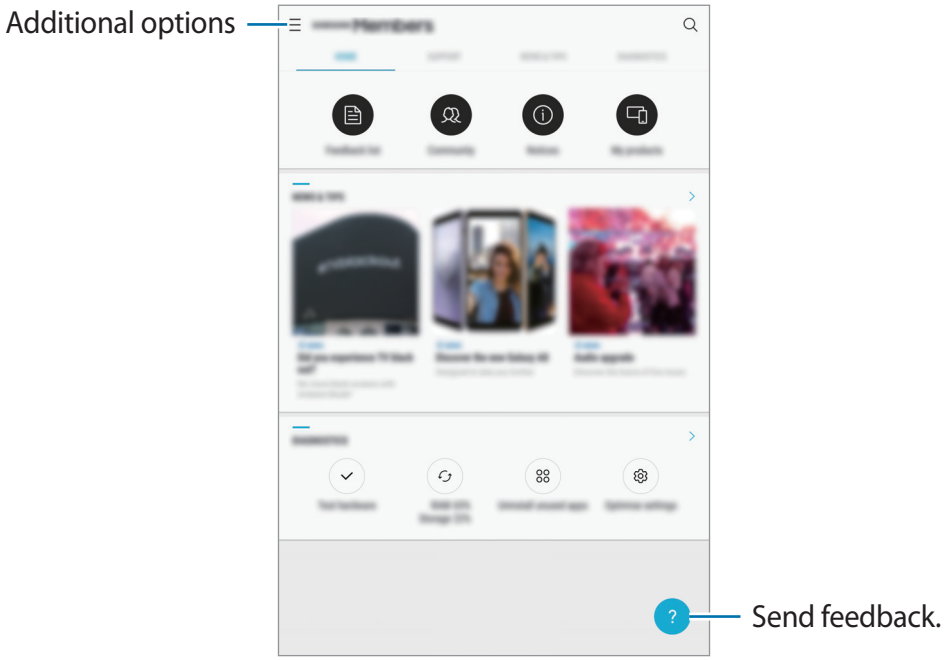


Moving pop-up windows

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

Samsung Members

Samsung Members offers support services to customers, such as device problem diagnosis, and lets users submit questions and error reports. You can also share information with others in the Galaxy users' community or view the latest Galaxy news and tips. **Samsung Members** can help you solve any problems you might encounter while using your device.



- This app's availability and supported features may vary depending on the region or service provider.
- To submit your feedback or post your comments, you must register and sign in to your Samsung account. Refer to Samsung account for more information.

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

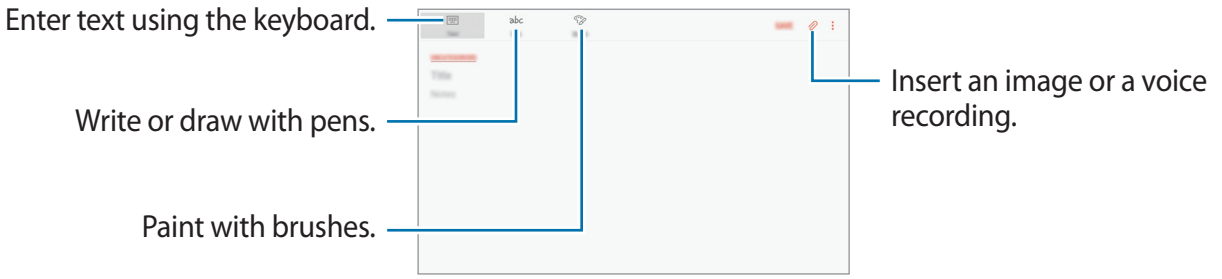
1 Launch the **Samsung Notes** app and tap .

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.

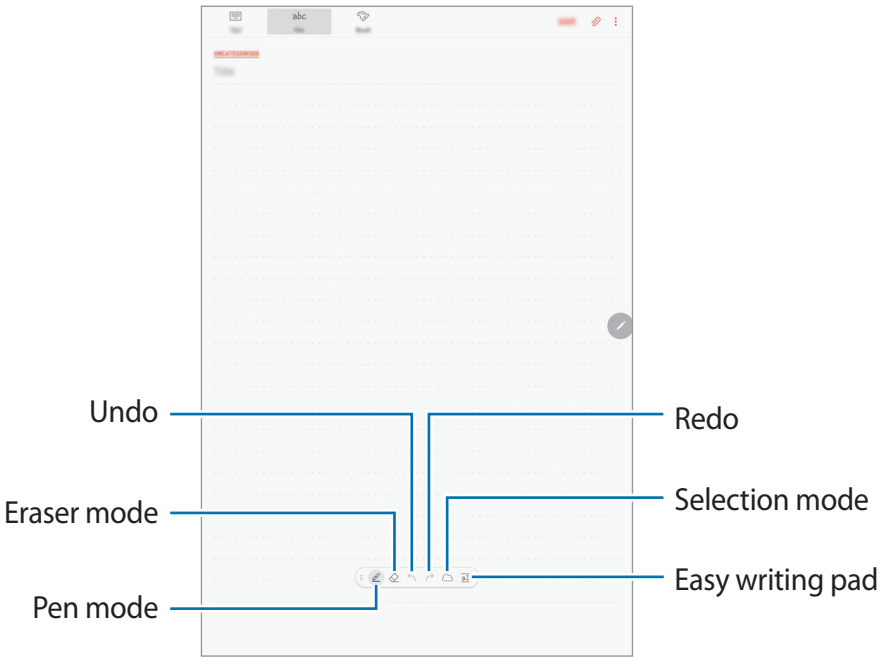
Tap → **Voice** to record a voice recording and insert it into the note. Voice recording will start immediately.



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

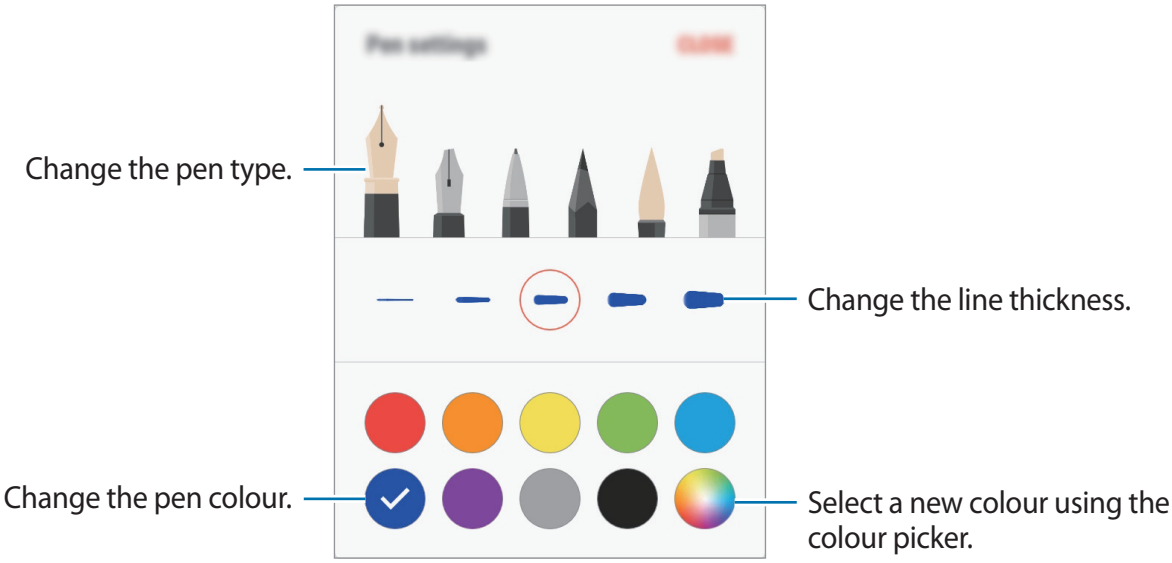
Composing notes in handwriting mode

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 eraser

When you want to erase handwriting from a note, tap and select an area to erase. Alternatively, select an area while pressing and holding the S Pen button.

To change the eraser type, tap once more.

- **Erase line by line**: Erase the line you select.
- **Erase touched area**: Erase only the area you select. You can adjust the size of the eraser by dragging the size adjustment bar.
- **ERASE ALL**: Clear the note.

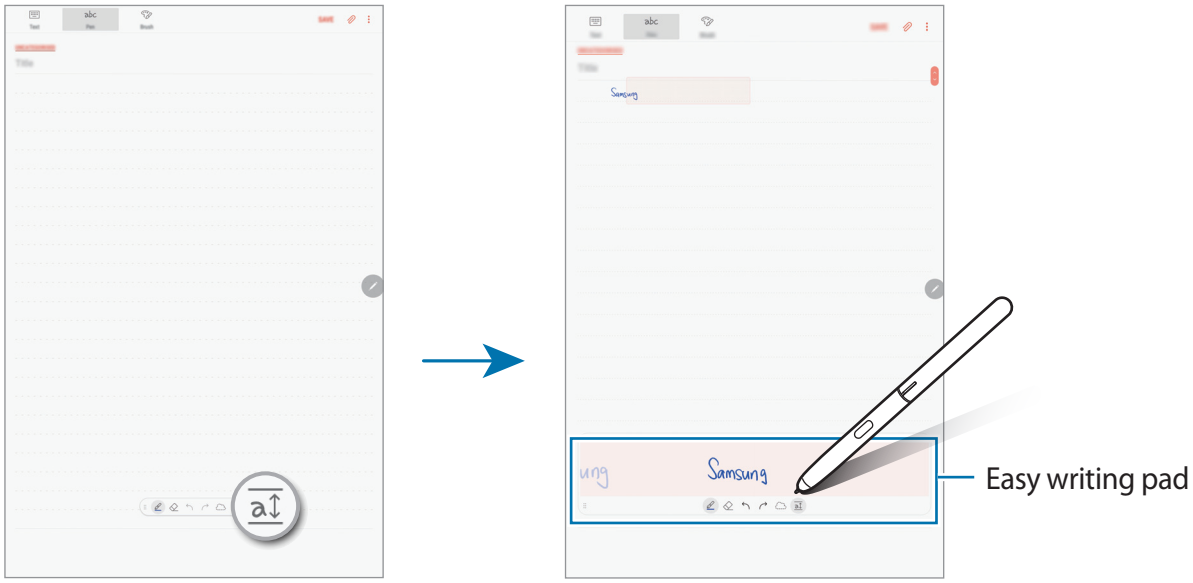
Even with a smaller eraser, you may still not be able to precisely erase the intended part.

Using the easy writing pad

Use the easy writing pad to enter your handwriting more easily.

When you write or draw on the easy writing pad, your handwriting will be automatically adjusted and entered between the lines of the input field.

On the note composer screen, tap . The input field will be magnified and appear as the easy writing pad.



Editing handwritten notes

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

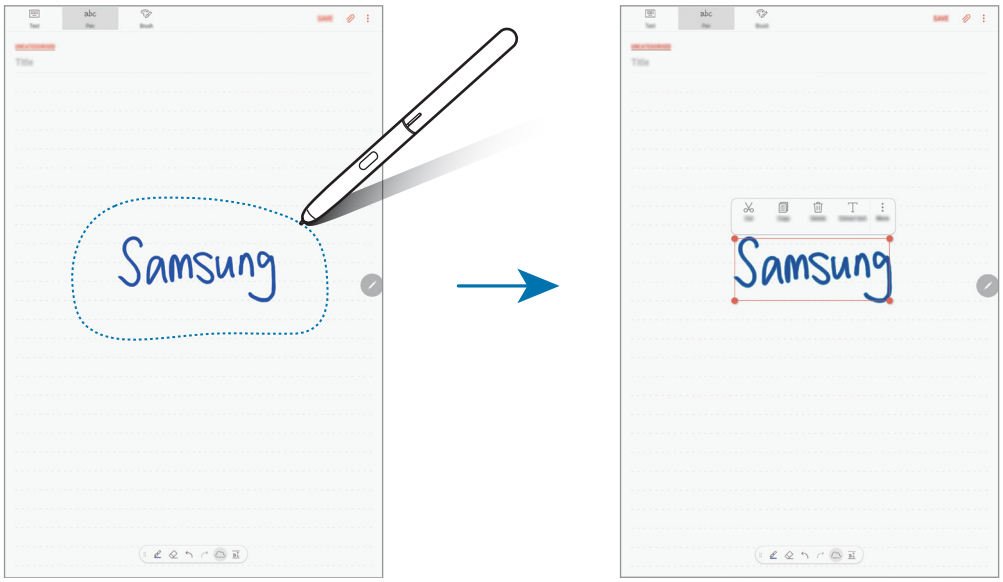
1 When there is handwriting on the note, tap .

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.

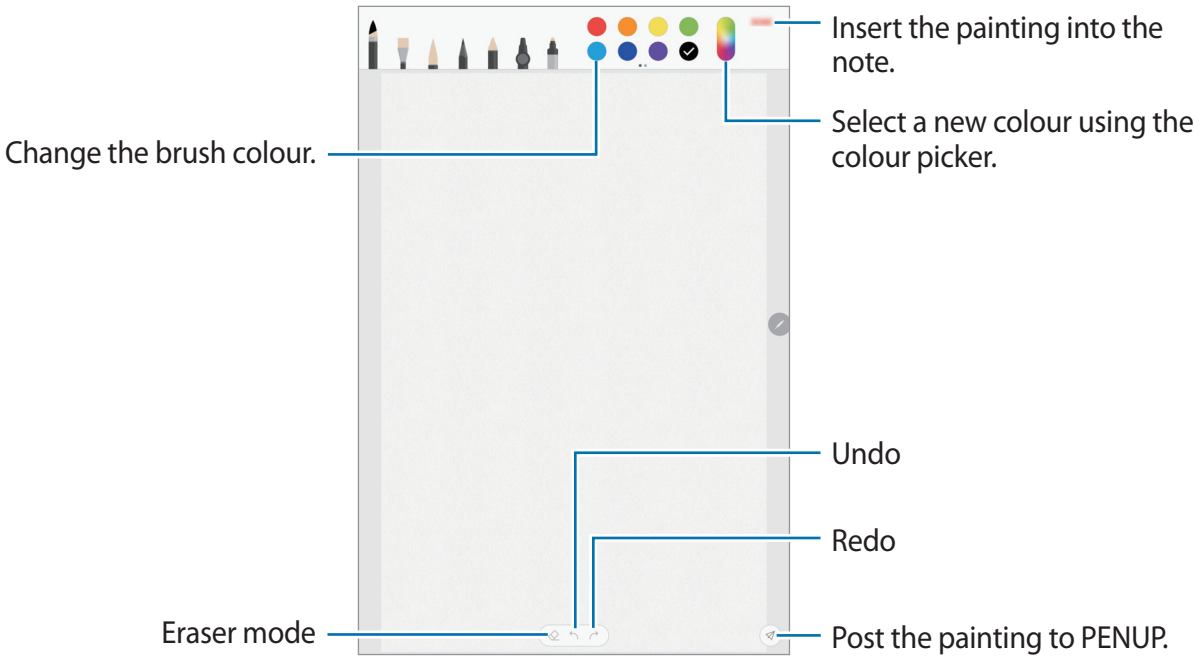
- **Cut**: Cut out the input. To paste it to another location, tap and hold the location, and then tap **Paste**.
- **Copy**: Copy the input. To paste it to another location, tap and hold the location, and then tap **Paste**.
- **Delete**: Delete the input.
- **Extract text**: Extract text from the selected 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.

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**.

Saving a note as a reminder

You can save a note as a reminder to view the note later.

1 Launch the **Samsung Notes** app.

2 Select a note and tap → **Send to Reminder**.

The note will be saved as a reminder.

Deleting notes

1 Launch the **Samsung Notes** app.

2 Tap and hold a note to delete.

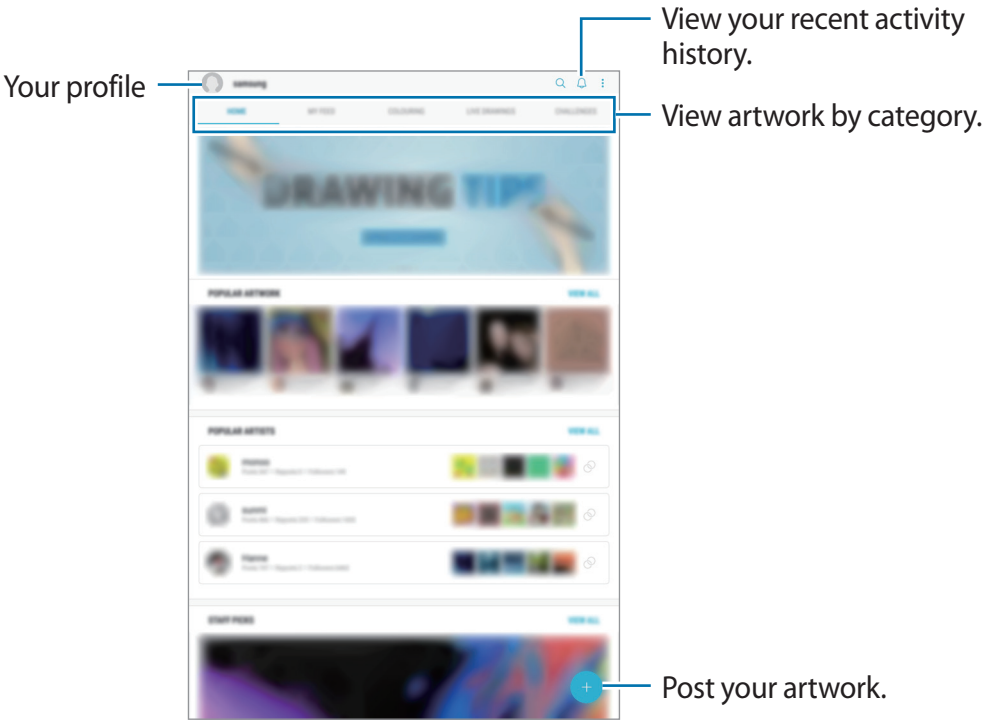
To delete multiple notes, tick more notes to delete.

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 account or other SNS accounts.

Posting your artwork

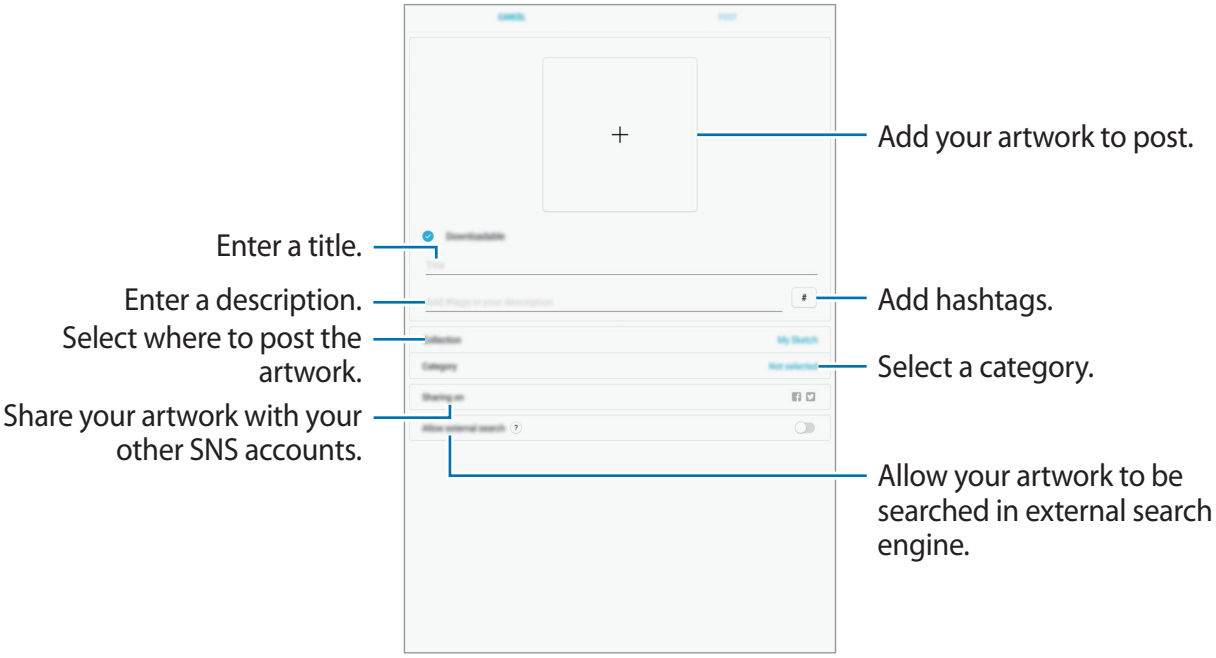
Post your artwork created in **Samsung Notes** or other drawing apps to PENUP.

1 Open the **Samsung** folder, launch the **PENUP** app, and then 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.



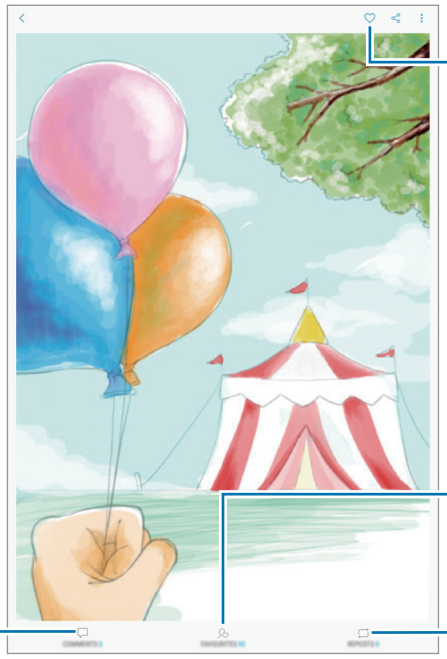
4 Tap **POST**.

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

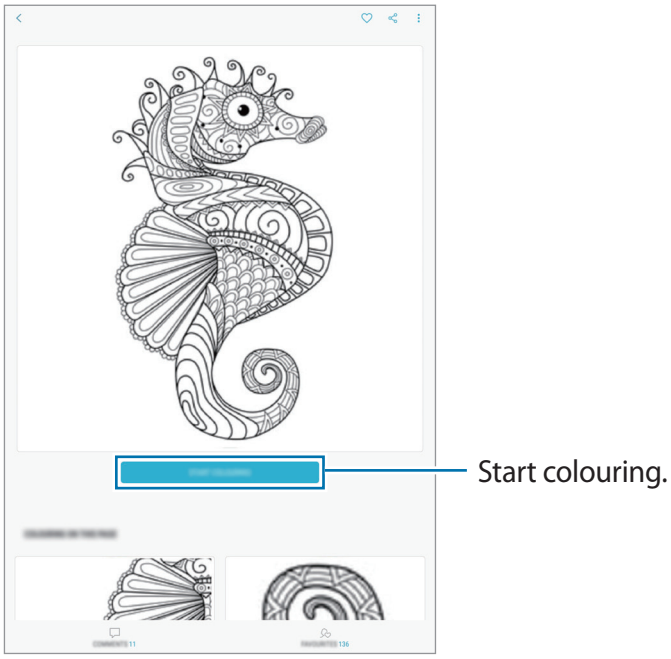
Select a post you want to view. While viewing artwork, you can add comments or set it as a favourite. You can also download artwork or set one as your wallpaper.



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

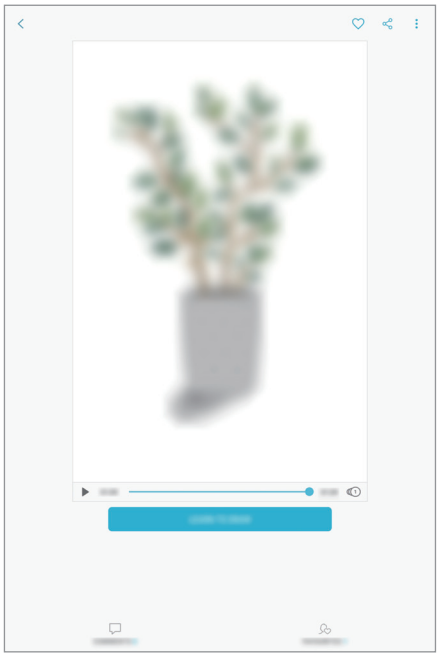
Colouring images

With the advanced S Pen and various colours, add your own colours to images. Tap **COLOURING**, select an image, and then tap **START COLOURING**.



LIVE DRAWINGS

Draw along as you watch the live drawing video that shows the process of completing an image. You can easily draw a nice image.



1 Open the **Samsung** folder, launch the **PENUP** app, and then tap **LIVE DRAWINGS**.

2 Select an image.

3 Tap **LEARN TO DRAW**.

4 To draw on the image, tap ⏸ to pause the playback.

You can change the playback speed by tapping 1.

5 When you are finished, tap .

The original image will be hidden and you can see the image you drew.

Photo drawing

Draw images on your photos and keep them as your own works of art. Select a photo from **Gallery** or take a photo and draw on the photo. After completing your drawing, you can see the image you drew by hiding the photo.

1 Open the **Samsung** folder and launch the **PENUP** app.

2 Tap → **Drawing** → .

3 Tap **Take picture**, take a photo, and then tap **OK**.

Alternatively, tap **Select from Gallery** and select a photo.

4 Select the area to draw, adjust the transparency level, and then tap **SAVE**.

The selected area will be added as a background.

5 Draw on the photo.

6 When you are finished, tap .

The photo will be hidden and you can see the image you drew.

Calendar

Introduction

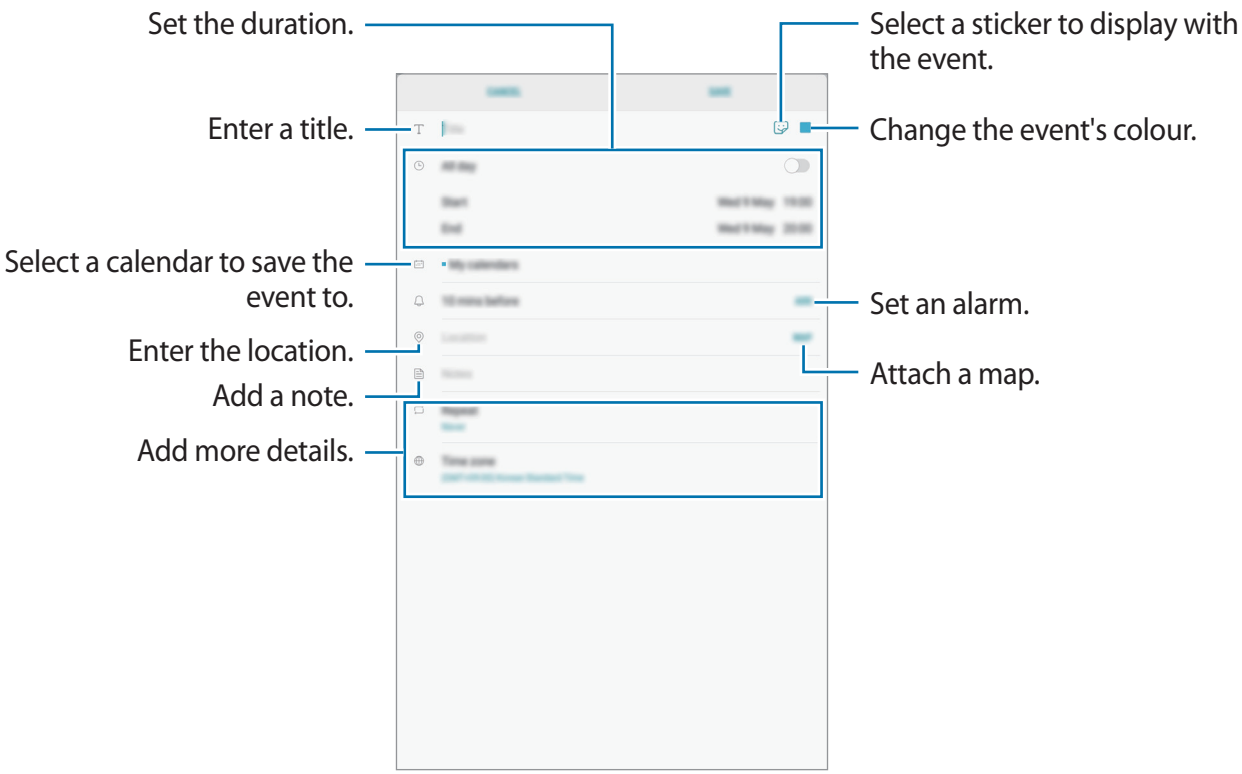
Manage your schedule by entering upcoming events or tasks in your planner.

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, a blue circle is displayed next to the account name.

Samsung Flow

Introduction

Samsung Flow allows you to easily connect your tablet to your smartphone and use them conveniently, such as checking notifications or sharing contents.

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.
- To use this feature, you must activate Bluetooth feature on your tablet and your smartphone.

Connecting your tablet and smartphone

1 On your smartphone, launch Samsung Flow.

2 On your tablet, open the **Samsung** folder and launch the **Samsung Flow** app.

If you are using this feature for the first time, tap **START**.

3 Tap **SCAN FOR DEVICES**.

4 Select your smartphone from the detected devices list.

5 Accept the connection request on both devices.

6 Confirm the passkey on both devices.

The devices will be connected.

If your smartphone supports fingerprint recognition feature, set up Samsung Pass on your smartphone to connect the devices more easily and securely using your fingerprint.

Sharing mobile data connection

Share your smartphone's mobile data connection with your tablet using a mobile hotspot when the Internet connection is not available on your tablet.

1 On your tablet, open the **Samsung** folder and launch the **Samsung Flow** app.

2 Tap ⋮ → **Connect to Mobile Hotspot**.

You can access the Internet on your tablet using your smartphone's mobile data connection.

- Your smartphone must support the mobile hotspot feature.
- You may incur additional charges on your smartphone when using this feature.

Checking notifications on your tablet

When you receive new notifications on your smartphone, check the notifications in pop-up window on your tablet.

Sharing contents

You can share your smartphone's contents with your tablet.

My Files

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

Open the **Samsung** folder and 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.

You can see the calculation history at the upper part of the screen.

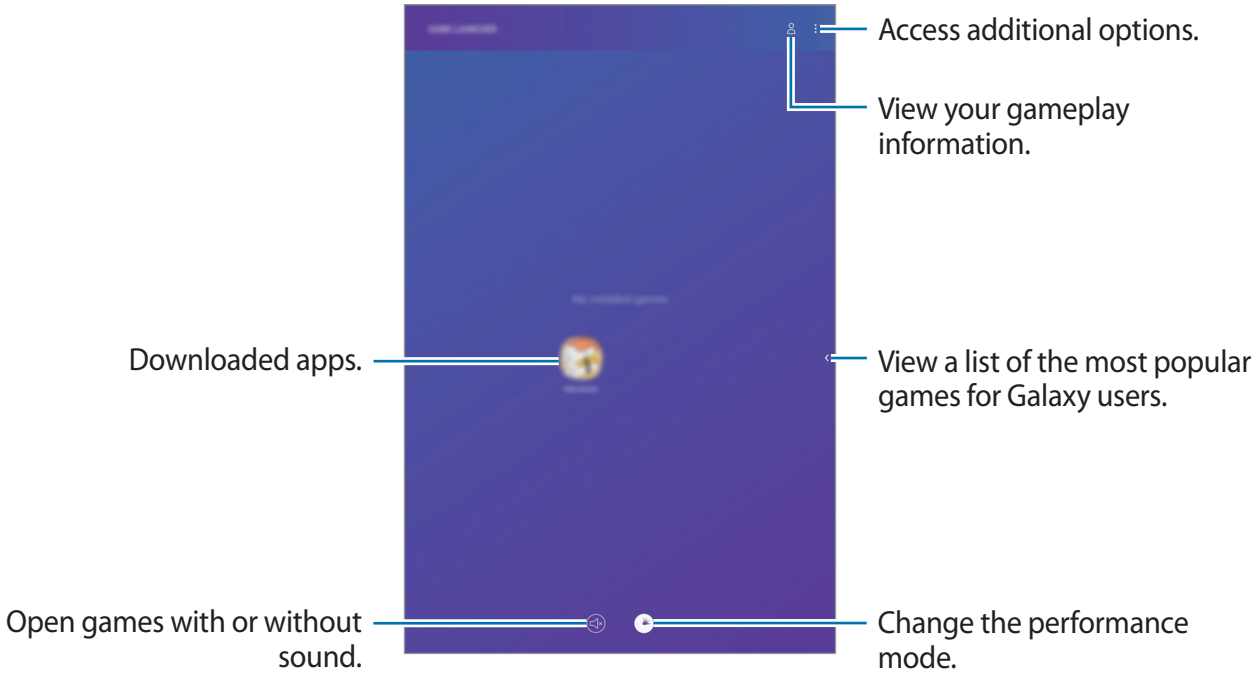
To clear the history, tap **CLEAR HISTORY**.

To use the unit conversion tool, tap . You can convert various values, such as area, length, or temperature, into other units.

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**, and then tap the **Game Launcher** switch to activate it.

Game Launcher will be added to the Home screen or 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.

To find more games, swipe to the left on the screen.

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.

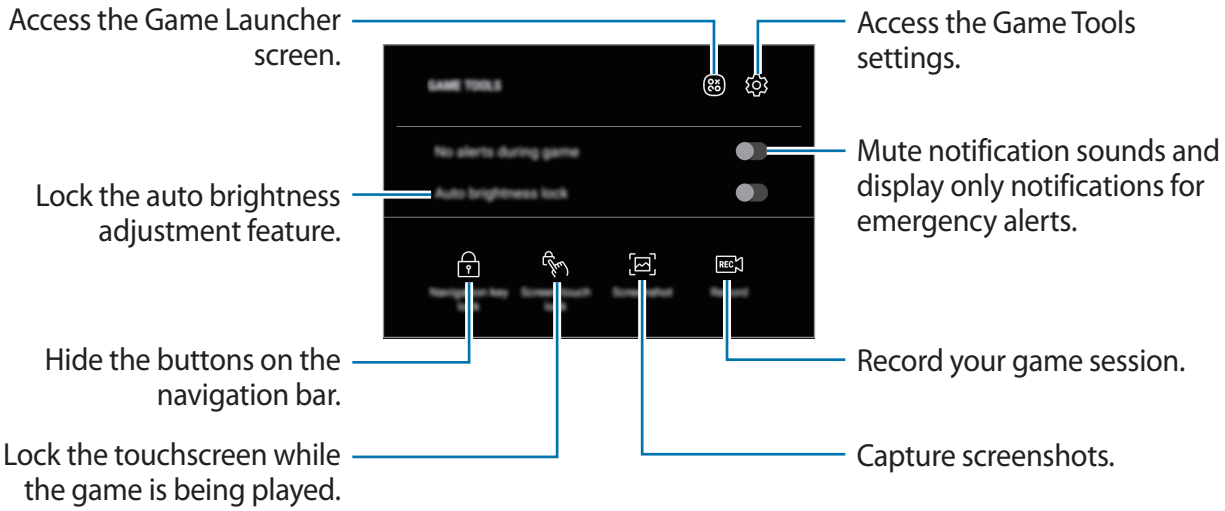
Launch the **Game Launcher** app, tap , and then drag the adjustment bar to your preference.

- **Focus on power saving**: This decreases the battery power consumption but it will reduce the system performance.
- **Balanced**: Power saving mode or high performance mode is not used.
- **Focus on performance**: This improves system performance but it will increase the battery power consumption.
- **Settings for each game**: Change the settings for each game.

Battery power efficiency may vary by game.

Using Game Tools

You can use various options on the Game Tools panel while playing a game. To open the Game Tools panel, tap on the navigation bar. If the navigation bar is hidden, drag upwards from the bottom of the screen to show it.



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 emergency alerts, so that you can enjoy your games without being disturbed.

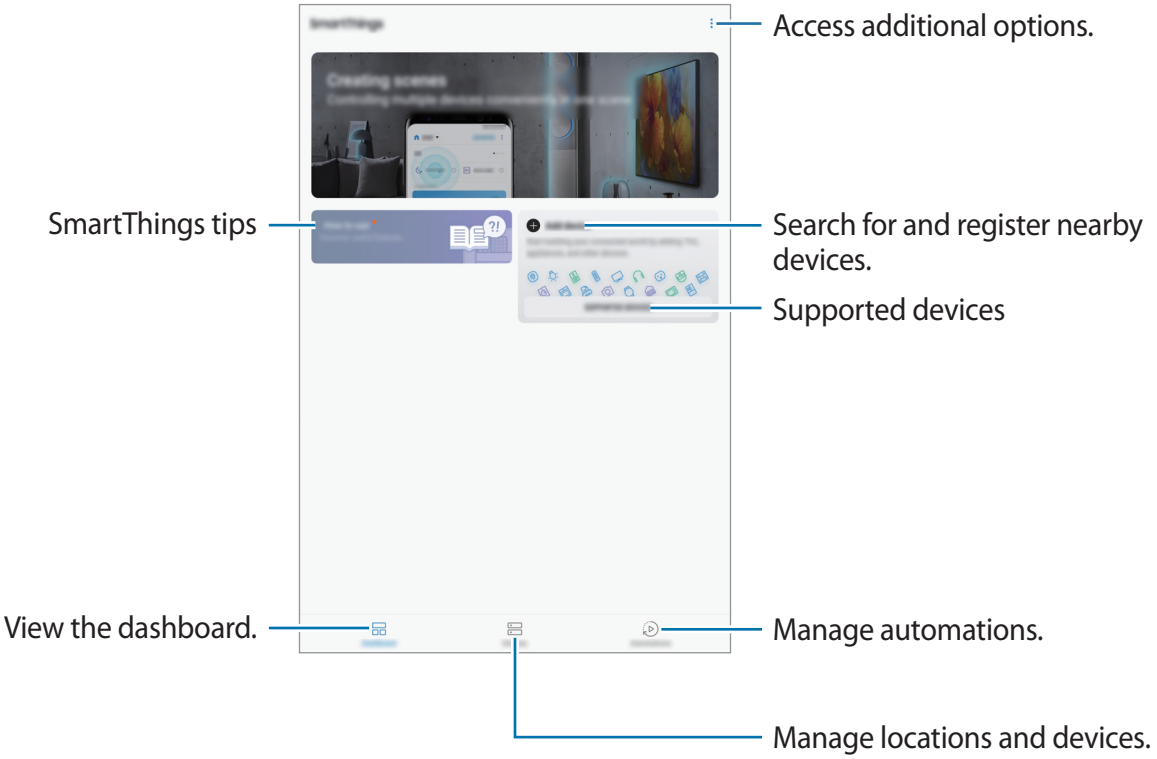
SmartThings

Introduction

Connect to nearby devices, such as Bluetooth headsets or other smartphones, easily and quickly. You can also control and manage TVs, home appliances, and Internet of Things (IoT) products with your tablet.

- **Connecting with nearby devices**: Connect with nearby devices, such as Bluetooth headsets or wearable devices, easily and quickly.
- **Registering and controlling home appliances, TVs, and IoT products**: Register smart refrigerators, washers, air conditioners, air purifiers, TVs, and Internet of Things (IoT) products on your tablet, and view their status or control them from your tablet's screen.
- **Receiving notification**: Receive notifications from connected devices on your tablet. For example, when the laundry is finished, you can receive a notification on your tablet.

Open the **Samsung** folder and launch the **SmartThings** app. The dashboard will appear.



- To use SmartThings, your tablet and other devices must be connected to a Wi-Fi network.
- To fully use SmartThings, you must register and sign in to your Samsung account.
- The devices you can connect may vary depending on the region or service provider. To see the list of connectable devices, open the **Samsung** folder, launch the **SmartThings** app, and then tap **SUPPORTED DEVICES**.
- Available features may differ depending on the connected device.
- Connected devices' own errors or defects are not covered by the Samsung warranty. When errors or defects occur on the connected devices, contact the device's manufacturer.

Connecting to nearby devices

Connect to nearby devices, such as Bluetooth headsets, easily and quickly.

Connection methods may vary depending on the type of connected devices or the shared content.

1 Open the **Samsung** folder and launch the **SmartThings** app.

2 On the dashboard, tap **Add device**.

3 Select a device from the list and connect to it by following the on-screen instructions.

Using home appliances, TVs, and IoT products

View the status of your smart appliances, TVs, and IoT products from your tablet's screen. You can group devices by location and add rules to control the devices easily and conveniently.

Connecting devices

1 Open the **Samsung** folder and launch the **SmartThings** app.

2 On the dashboard, tap **Add device**.

3 Select a device from the list.

If there is no device on the list, tap ⌄ under **ADD DEVICE MANUALLY** and select a device type. Or, tap **Search** and enter the device or model name.

4 Follow the on-screen instructions to register devices.

Viewing and controlling connected devices

You can view and control the devices. For example, you can check the ingredients in your refrigerator or adjust the TV volume.

1 Open the **Samsung** folder, launch the **SmartThings** app, and then tap **Devices**.

The list of connected devices will appear.

2 View the status of devices on the list.

To control the devices, select a device. When the device controller supplied with the selected device is downloaded, you can control the device.

Adding devices and scenes by locations

Add devices by locations, view the list of devices in a same location, and control them. You can also add a scene to a location to control multiple devices at the same time.

Adding locations

1 Open the **Samsung** folder, launch the **SmartThings** app, and then tap **Devices** → **ALL DEVICES** → **Add location**.

2 Enter the location name.

To set a location, tap **Geolocation** to select a location on the map and tap **DONE**.

3 Tap **SAVE**.

Your location will be added.

To add devices to the location, tap **ADD DEVICE** and follow the on-screen instructions to register devices.

The devices will be added to the location.

Adding scenes

Add a scene and register devices to it to control multiple devices at the same time with a single tap of a button or with a voice command.

Open the **Samsung** folder, launch the **SmartThings** app, select a location, tap ⋮ → **Add scene**, and then set scene options. You can set the scene name, icon, and devices.

Adding automations

You can also set an automation to perform actions automatically depending on the preset time or the status of devices.

For example, add an automation to turn on the audio automatically every day at 7:00 AM.

1 Open the **Samsung** folder, launch the **SmartThings** app, and then tap **Automations** → **ADD AUTOMATION**.

2 Select the conditions when you want to activate the automation.

3 Select an option and tap **NEXT**.

4 Tap **ADD** next to **Then** and set actions to perform.

To receive a notification when an automation runs, tap **Notify me**, enter the message, and then tap **DONE**.

5 When you are finished, tap **SAVE**.

Receiving notifications

You can receive notifications from connected devices on your tablet. For example, when the laundry is finished, you can receive a notification on your tablet.

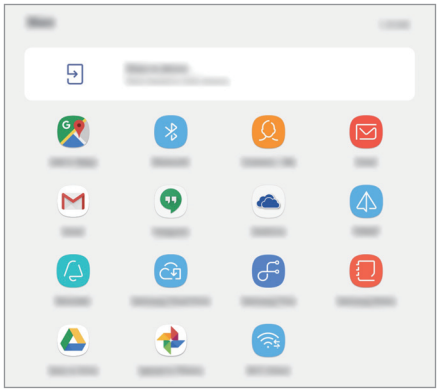
To set devices to receive notifications, open the **Samsung** folder, launch the **SmartThings** app, tap ⋮ → **Notifications** → ⋮ → **Notification settings**, and then tap the switches next to the devices you want.

Sharing content

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

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

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



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, launch the **Settings** app, tap **Advanced features**, and then tap the **Direct share** switch to activate it.

Using additional feature

- **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 Smart View-enabled TV or monitor.

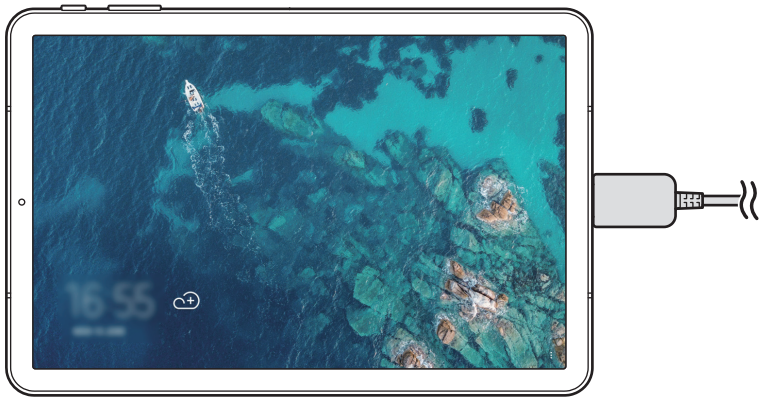
When the image is sent to the recipients' devices, a notification will appear on their devices. Tap the notification to view or download the image.

Daily Board

Introduction

Daily Board lets you use your tablet as a picture frame when it is charging or connected to a dock. You can enjoy a slideshow with your favourite images and view the information such as the time or the weather.

- You must use a pogo charging dock if you want to use this feature by connecting your tablet to a dock.
- The pogo charging dock is sold separately.



Launching Daily Board

Launching Daily Board while charging

1 When the device is charging, drag the status bar downwards to open the notification panel.

2 Tap **Tap here to start the Daily Board slideshow.** to start Daily Board.

If you are using this feature for the first time, read and agree to the terms and conditions, and then tap **START**.

Launching Daily Board using a dock

1 Connect the charger to the charging dock.

2 Slide the device into the charging dock to meet the device's connectors and the dock's charging terminals.

3 When the device is connected to the charging dock, Daily Board will launch automatically.

If you are using this feature for the first time, read and agree to the terms and conditions, and then tap **START**.

If Daily Board does not start automatically, launch the **Settings** app, tap **Advanced features** → **Daily Board**, and then tap the **Auto start** switch to activate it.

Adding images

You can add your favourite images to display.

1 Launch the **Settings** app, tap **Advanced features** → **Daily Board**.

2 Tap **Add images** and select an album.

The selected images will be displayed when the slideshow starts.

You can select up to 1000 images to display from **Gallery**.

Closing Daily Board

To close Daily Board, tap the Back button.

Deactivating Daily Board

You can set the device to prevent Daily Board from launching even when a charger or a dock is connected.

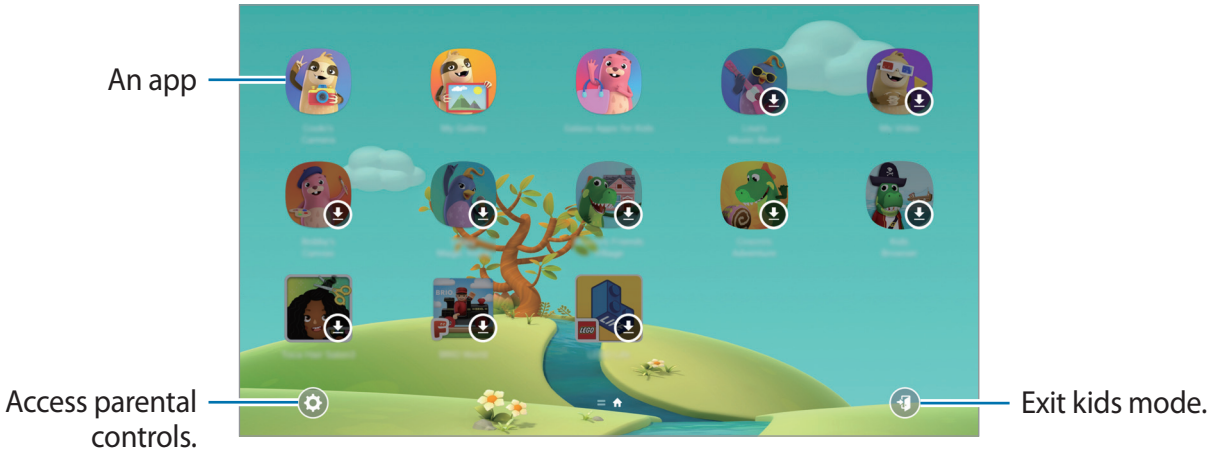
Launch the **Settings** app, tap **Advanced features**, and then tap the **Daily Board** switch to deactivate it.

Kids Mode

Provide a fun and safe environment for children by restricting children's access to certain apps or content.

To start kids mode, open the **Samsung** folder and launch the **Kids Mode** app.

When you launch this app for the first time, set PIN. Then, follow the on-screen instructions.



Samsung DeX

Introduction

Samsung DeX is a service that allows you to use your tablet like a computer from tablet screen or an external display, such as a TV or monitor. While using Samsung DeX on external display, you can simultaneously use your tablet.

You can connect your tablet to the Keyboard Cover or external display using a DeX Cable. The following content is about how to use the Keyboard Cover and DeX Cable.

- All accessories are sold separately.
- Use only official Samsung DeX supported accessories that are provided by Samsung. Performance problems and malfunctions caused by using accessories that are not officially supported are not covered by the warranty.

On tablet screen

On external display

Starting Samsung DeX

You can use Samsung DeX in two ways, on tablet screen and external display.

Starting Samsung DeX on tablet screen

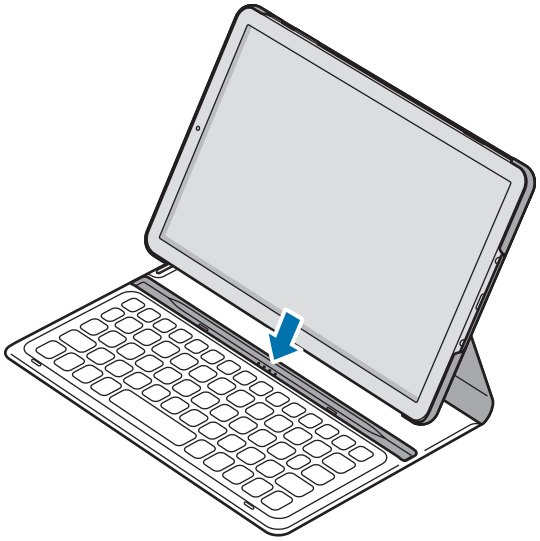
Use your tablet like a computer by connecting the Keyboard Cover.

To switch to Samsung DeX directly when connecting the Keyboard Cover, launch the **Settings** app, tap **Advanced features** → **Samsung DeX**, and then tap the **Auto start when Book Cover Keyboard is connected** switch to activate it.

1 Position the tablet's rear camera to insert it into the rear camera hole and put the tablet in the stand.

2 Insert the tablet into the connection hole to meet the tablet's connectors and the dock ports.

Your tablet's screen will change into Samsung DeX.



You can also launch Samsung DeX from quick settings without Keyboard Cover. Swipe downwards on the notification panel and tap **Samsung DeX**.

Closing Samsung DeX on tablet screen

To close Samsung DeX on tablet screen, on the status bar, tap ▲ → . Alternatively, launch the **Settings** app, tap **Samsung DeX** → **Auto start when Book Cover Keyboard is connected** switch to deactivate it.

Starting Samsung DeX on external display

Connect your tablet to an external display and use tablet's features on a large screen.

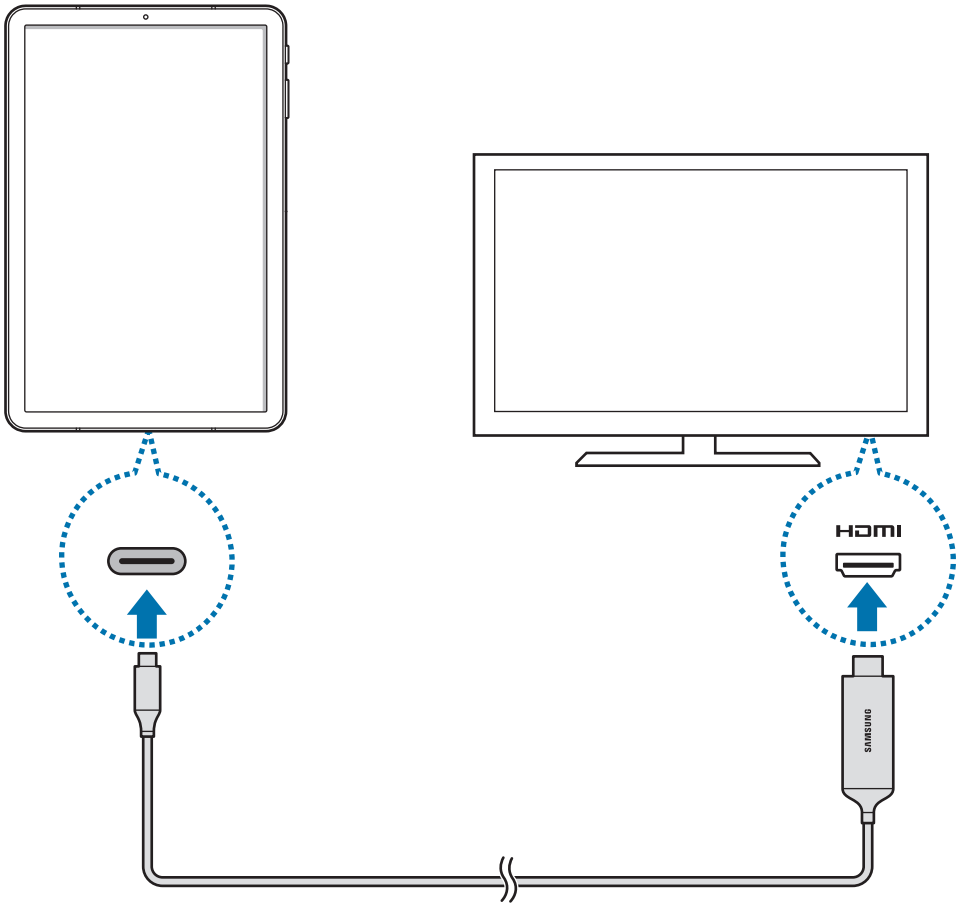
Without changing your tablet's screen, the Samsung DeX screen will appear on the connected TV or monitor.

To switch to Samsung DeX directly when connecting the DeX Cable, launch the **Settings** app, tap **Advanced features** → **Samsung DeX**, and then tap the **Auto start when HDMI is connected** switch to activate it.

1 Plug a tablet connector into the multipurpose jack on the tablet.

2 Connect the HDMI connector to a TV or monitor's HDMI port.

Samsung DeX screen will appear on the connected screen.



Closing Samsung DeX on external display

To close Samsung DeX on external display, disconnect your tablet from the DeX Cable. Alternatively, launch the **Settings** app, tap **Samsung DeX** → **Auto start when HDMI is connected** switch to deactivate it.

Using Samsung DeX

Use your tablet's features in an interface environment similar to a computer. You can multitask by running multiple apps simultaneously. You can also check your tablet's notifications and status.

- When starting or ending Samsung DeX, running apps may be closed.
- Some apps or features may not be available when using Samsung DeX.
- To adjust the screen settings, use the connected TV or monitor's display settings.

- Favourite apps: Add frequently used apps to the Home screen and launch them quickly.
- Apps button: View and run your tablet's apps. To install apps that are optimised for Samsung DeX, tap **Apps for Samsung DeX**.
- Taskbar: View the apps that are currently running.
- Status bar: View your tablet's notifications and status. Status icons may appear differently depending on your tablet's status. When you click ▲, the quick setting buttons will appear. You can activate or deactivate certain tablet features using the quick setting buttons.
- Quick access toolbar: Use quick tools, such as screen keyboard, volume control, or search.

Using the external display and tablet simultaneously

While using Samsung DeX, you can use separate apps on the external display and your tablet simultaneously.

For example, while watching a video on the connected TV or monitor, you can create a note on your tablet.

On the connected TV or monitor, launch an app to run on the Samsung DeX screen. Then, launch another app on your tablet.

Locking the Samsung DeX screen

If you want to lock the external display and your tablet's screen while using Samsung DeX, select on the quick access toolbar.

While using Samsung DeX, you cannot lock the external display and your tablet's screen by pressing the Power key.

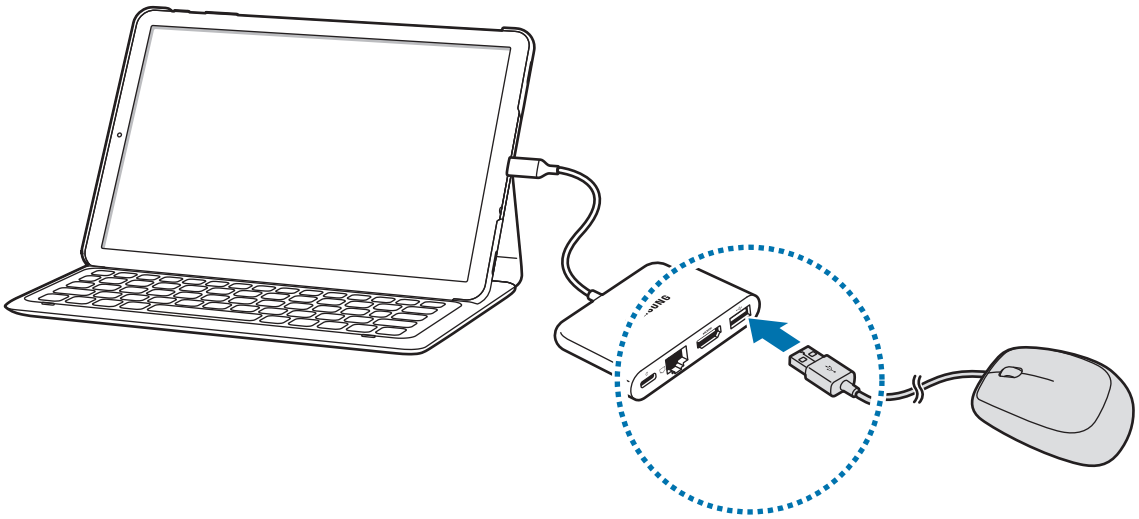
Enjoying games vividly on a large screen

Play your tablet's games on a large screen. On the connected TV or monitor, launch the **Game Launcher** app.

Controlling the Samsung DeX screen

Controlling with an external keyboard and mouse

You can use a wireless keyboard/mouse or a Bluetooth keyboard/mouse. You can also use USB keyboard or mouse by connecting them to the Multiport Adapter's USB port. Refer to the respective device's manual for more information.



- You can set the mouse pointer to flow from the external display to the tablet's screen. Launch the **Settings** app, select **Samsung DeX** → **Mouse/trackpad**, and then select the **Flow pointer to tablet screen** switch to activate it.
- You can also use the external keyboard on the tablet's screen.

Using your tablet as a touchpad

You can use your tablet as a touchpad and operate it with your fingers or the S Pen.

On your tablet, drag downwards from the top of the screen to open the notification panel and tap **Use your tablet as a touchpad**.

- You can use the touchpad only when using Samsung DeX on external display.
- If your tablet's screen turns off, press the Power key or double-tap anywhere on the screen to turn on the screen.

Orienting the touchpad

When you are using your tablet as a touchpad, you can use it in either the horizontal or vertical alignment.

To rotate the touchpad, rotate the tablet or double-tap .

Using your tablet while using the touchpad

You can use apps on your tablet even while it is being used as a touchpad.

Drag upwards from the bottom of the screen to show the navigation bar, tap the Home button to move to the Home screen, and then select apps you want to use.

Writing or drawing on the touchpad with the S Pen

You can handwrite or draw on the touchpad with the S Pen.

Rotate the touchpad to the vertical alignment and approach S Pen to screen. The S Pen drawing pad will appear on the touchpad.

Using the screen keyboard

When you enter text to send messages, create notes, or perform other tasks, a screen keyboard will appear automatically on your tablet's screen without connecting an external keyboard.

If the keyboard does not appear, select on the quick access toolbar.

Ending Samsung DeX

When you use Samsung DeX on tablet screen, on the status bar, tap ▲ → .

When you use Samsung DeX from the connected TV or monitor, disconnect your tablet from the DeX Cable.

Connecting to an external display

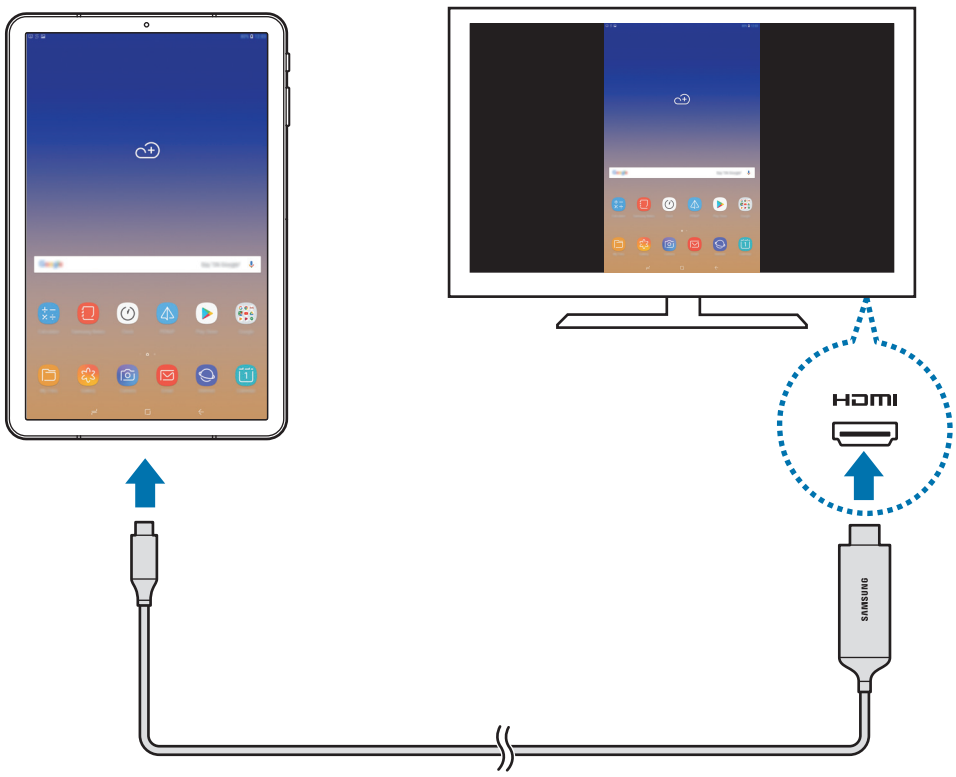
You can connect your tablet to an external display, such as a TV or monitor, and view presentations or movies on the connected display. Connect your tablet to an external display using a DeX Cable. You can view your tablet's content on the connected screen.

- DeX Cable is sold separately.
- Use only a Samsung-approved DeX Cable. Performance problems and malfunctions caused by using unapproved accessories are not covered by the warranty.

1 Plug a tablet connector into the multipurpose jack on the tablet.

2 Connect the HDMI connector to a TV or monitor's HDMI port.

Your tablet's screen will appear on the connected screen.



Google apps

Google provides entertainment, social network, and business apps. You may require a Google account to access some apps.

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.

Hangouts

Send messages, images, and emoticons to your friends and have video calls with them.

Google

Search quickly for items on the Internet or your device.

Settings

Introduction

Customise device settings. 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

Options

Change settings for various connections, such as the Wi-Fi feature and Bluetooth.

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

- **Wi-Fi**: Activate the Wi-Fi feature to connect to a Wi-Fi network and access the Internet or other network devices. Refer to Wi-Fi for more information.
- **Bluetooth**: Use Bluetooth to exchange data or media files with other Bluetooth-enabled devices. Refer to Bluetooth for more information.
- **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.
- **Data usage**: Keep track of your data usage amount.
- **Flight mode**: Set the device to disable all wireless functions on your device. You can use only non-network services.

  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.

- **Location**: Change settings for location information permissions.
- **More connection settings**: Customise settings to control other features. Refer to More connection settings for more information.

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. Enter the password and 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 will be listed.

2 Select a device to pair with.

If the device you want to pair with is not on the list, set the device to enter Bluetooth pairing mode. 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**.

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.
- **VPN**: Set up virtual networks (VPNs) on your device to connect to a school or company's private network.
- **Ethernet**: When you connect an Ethernet adaptor, you can use a wired network 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.

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, vibration mode, or silent mode.
- **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 music and videos, system sounds, and notifications.
- **Vibration intensity**: Adjust the force of the vibration notification.
- **Notification sounds**: Change the notification sound.
- **Do not disturb**: Set the device to mute notification sounds, 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 the buttons on the navigation bar and for other actions, such as tapping and holding items.
- **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.

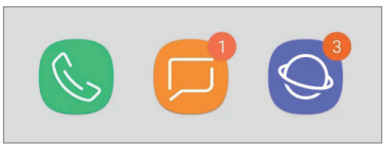
On the Settings screen, tap **Sounds and vibration** → **Sound quality and effects** → **Dolby Atmos**, tap the switch to activate it, and then select a mode.

Notifications

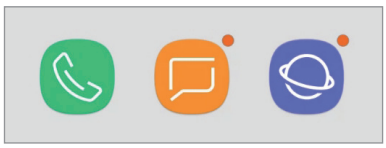
Change the notification settings for each app.

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

To display icon badges, tap the **App icon badges** switch to activate it. To change the badge style, tap **App icon badges**.



With number



Without number

To customise notification settings for more apps, 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**: Set the device to keep track of your brightness adjustments and apply them automatically in similar lighting conditions.
- **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 or adjust the display's colour. Refer to Changing the screen mode or adjusting the display colour for more information.
- **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.
- **Navigation bar**: Change the navigation bar settings. Refer to Navigation bar (soft buttons) for more information.
- **Screen timeout**: Set the length of time the device waits before turning off the display's backlight.
- **Block accidental touches**: Set the device to prevent the screen from detecting touch input when it is in a dark place, such as a pocket or bag.
- **Screensaver**: Set the device to launch a screensaver when the device is charging or connected to a dock. Refer to Screensaver for more information.
- **Double tap to wake up**: Set the device to turn on the screen by double-tapping anywhere on the screen while the screen is turned off.

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, the blue light filter may 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 current location.
- **Custom schedule**: Set a specific time to apply the blue light filter.

Changing the screen mode or adjusting the display colour

Select a screen mode suitable for viewing movies or images, or adjust the display colour to your preference. If you select the **Adaptive display** mode, you can adjust the display colour balance by colour value.

Changing the screen mode

On the Settings screen, tap **Display** → **Screen mode** and select a mode you want.

- **Adaptive display**: This optimises the colour range, saturation, and sharpness of your display. You can also adjust the display colour balance by colour value.
- **AMOLED cinema**: This is suitable for watching videos.
- **AMOLED photo**: This is suitable for viewing images.
- **Basic**: This is set as default and is suitable for general use.

- You can adjust the display colour only in **Adaptive display** mode.
- **Adaptive display** mode may not be compatible with third-party apps.
- You cannot change the screen mode while applying the blue light filter.

Optimising the full screen colour balance

Optimise the display colour by adjusting the colour tones to your preference.

When you drag the colour adjustment bar towards **Cool**, the blue colour tone will increase. When you drag the bar towards **Warm**, the red colour tone will increase.

1 On the Settings screen, tap **Display** → **Screen mode** → **Adaptive display**.

2 Adjust the colour adjustment bar under **Full screen colour balance**.

The colour balance of the screen will be optimised.

Adjusting the screen tone by colour value

Increase or lower certain colour tones by adjusting the **Red**, **Green**, or **Blue** value individually.

1 On the Settings screen, tap **Display** → **Screen mode** → **Adaptive display**.

2 Tick **Advanced options**.

3 Adjust the **Red**, **Green**, or **Blue** colour bar to your preference.

The screen tone screen will be adjusted.

Screensaver

You can set to display images as a screensaver when the screen turns off automatically. The screensaver will be displayed when the device is charging or connected to a dock.

1 On the Settings screen, tap **Display** → **Screensaver** and tap the switch to activate it.

2 Select an option.

If you select **Photo Frame** or **Photos**, a slideshow with selected images will start. If you select **Photo Table**, selected images will appear as small cards and overlap.

3 Tap ⚙ to select albums for displaying images.

4 When you are finished, tap the Back button.

To preview the selected option, tap **PREVIEW**.

When you tap the screen while your screensaver is displayed, the screen will turn on.

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 an impact to the device may cause an unintended input for some features using sensors.

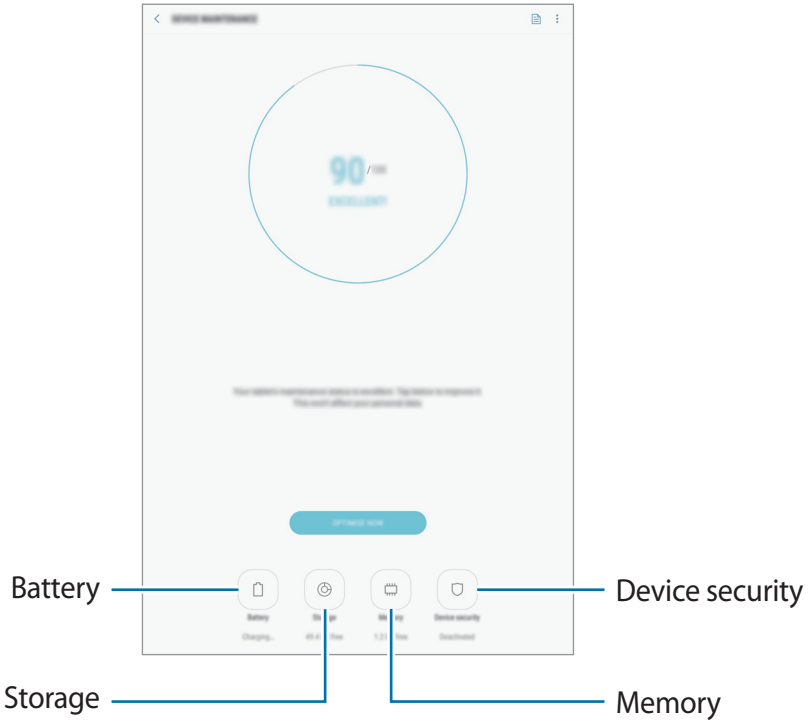
- **S Pen**: Change the settings for using the S Pen. Refer to S Pen features for more information about **Air view** and **Screen off memo**.
- **Samsung DeX**: Set the device to use like a computer. Refer to Samsung DeX for more information.
- **Accessories**: Change the accessory settings.
- **Daily Board**: Set the device to show a slideshow with selected images. Refer to Daily Board for more information.
- **Smart stay**: Set the device to prevent the display from turning off while you are looking at it.
- **Games**: Activate the Game Launcher. Refer to Game Launcher for more information.
- **Device assistance app**: Select a device assistance app to launch when you tap and hold the Home button. The device assistance app will gather information from the current screen and provide related information, apps, and features.
- **Multi window**: Select a Multi window launch method.
- **Smart capture**: Set the device to capture the current screen and scrollable area, 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 alarms by using palm motions.
- **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** → **FIX NOW** or **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 crashed apps and 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 may not receive notifications from some apps that use power saving mode.

Power saving mode

- **MID**: Activate power saving mode to extend the battery's usage time.
- **MAX**: In maximum power saving mode, the device decreases battery consumption by applying the dark theme and limiting the apps and features available. Network connections will be deactivated.

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** and set the **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.
- You can view the available capacity of the internal memory in the Specification section for your device on the Samsung website.

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 stopping apps running in the background, 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

Options

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 unlock itself when trusted locations or devices are detected. Refer to Smart Lock for more information.
- **Secure lock settings**: Change screen lock settings for the selected lock method.
- **Clock style**: Change the type and colour of the clock on the locked screen.
- **FaceWidgets**: Change the settings of the items displayed on the locked screen.
- **Contact information**: Set the device to show contact information, such as your email address, on the locked screen.
- **Notifications**: Set whether or not to show notifications on the locked screen and select which notifications to display.
- **App shortcuts**: Select apps to display shortcuts to them on the locked screen.
- **About Lock screen**: View the device's lock screen version.

Smart Lock

You can set the device to unlock itself and remain unlocked when trusted locations or devices are detected.

For example, if you have set your home as a trusted location, when you get home your device will detect the location and automatically unlock itself.

- This feature will be available to use after you set a screen lock method.
- If you do not use your device for four hours or when you turn on the device, you must unlock the screen using the pattern, PIN, or password you set.

1 On the Settings screen, tap **Lock screen** → **Smart Lock**.

2 Unlock the screen using the preset screen lock method.

3 Select an option and follow the on-screen instructions to complete the setting.

Biometrics and security

Options

Change the settings for securing the device.

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

- **Intelligent Scan**: Register both your face and irises to the device to unlock the screen more conveniently. Refer to Intelligent Scan for more information.
- **Face Recognition**: Set the device to unlock the screen by recognising your face. Refer to Face recognition for more information.
- **Iris Scanner**: Register your irises to unlock the screen. Refer to Iris 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.

  You can also allow the Google location service to provide more accurate information about the location of your 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. Refer to Samsung Pass for more information.

- **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.

Intelligent Scan

By using both your face and irises, you can easily and conveniently unlock the screen and verify your identity.

- This feature may not be available depending on the region or service provider.
- If you use Intelligent Scan as a screen lock method, your face and irises cannot be used to unlock the screen for the first time after turning on the device. To use the device, you must unlock the screen using the pattern, PIN, or password you set when registering your face and irises. Be careful not to forget your pattern, PIN, or password.
- If your irises are not recognised, unlock the device using the pattern, PIN, or password you set when registering the irises, and then re-register your irises. 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.
- If you change the screen lock method to **Swipe** or **None**, which are not secure, all of your biometric data will be deleted. If you want to use your biometric data in apps or features, you must register your biometric data again.

Precautions for using Intelligent Scan

Before using Intelligent Scan, keep the following precautions in mind.

- To protect your eyes, keep the screen at least 20 cm away from your face when using iris recognition.
- If you attach screen protectors (privacy protection films, tempered glass protectors, etc.), the recognition may fail.
- Do not use this feature with infants. Doing so may damage their eyesight.
- Anyone who has experienced dizziness, seizures, loss of awareness, blackouts, or other symptoms linked to an epileptic condition, or has a family history of such symptoms or conditions, should consult a doctor before using this feature.
- Intelligent Scan is not intended for any diagnostic, therapeutic, or preventative medical purposes.
- Your tablet could be unlocked by someone that looks like you.
- Keep secure of your tablet and do not let anyone else unlock your tablet.

For better face and iris recognition

The tablet may not recognise your irises or face when:

- something prevents a good view of your face or eyes (e.g. glasses, contact lenses, hat, low eyelids, recent eye surgery, disease, dirt, damage to the camera, or excessive movement).

Registering irises and face

1 On the Settings screen, tap **Biometrics and security** → **Intelligent Scan**.

2 Unlock the screen using the preset screen lock method.

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

3 Read the on-screen instructions and tap **CONTINUE**.

4 Register your face and irises.

For more information, refer to Face recognition and Iris recognition.

When an intelligent scan unlock screen appears, tap **TURN ON** to use your face and irises to unlock the screen.

Deleting registered face and iris data

You can delete face and iris data that you have registered.

1 On the Settings screen, tap **Biometrics and security** → **Intelligent Scan**.

2 Unlock the screen using the preset screen lock method.

3 Tap **Remove face and iris data**.

Once the registered face and iris data has been deleted, all the related features will also be deactivated.

Unlocking the screen using Intelligent Scan

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

1 On the Settings screen, tap **Biometrics and security** → **Intelligent Scan**.

2 Unlock the screen using the preset screen lock method.

3 Tap the **Intelligent Scan unlock** switch to activate it.

4 On the locked screen, look at the screen.

When your face and irises are recognised, you can unlock the screen without using any additional screen lock method. If your face and irises are not recognised, use the preset screen lock method.

Face recognition

You can set the device to unlock the screen by recognising your face.

- If you use your face as a screen lock method, your face cannot be used to unlock the screen for the first time after turning on the device. To use the device, you must unlock the screen using the pattern, PIN, or password you set when registering the face. Be careful not to forget your pattern, PIN, or password.
- If you change the screen lock method to **Swipe** or **None**, which are not secure, all of your biometric data will be deleted. If you want to use your biometric data in apps or features, you must register your biometric data again.

Precautions for using face recognition

Before using the face recognition to unlock your device, keep the following precautions in mind.

- Your device could be unlocked by someone or something that looks like your image.
- Face recognition is less secure than Pattern, PIN, or Password.

For better face recognition

Consider the following when using face recognition:

- Consider the conditions when registering, such as wearing glasses, hats, masks, beards, or heavy makeup
- Ensure that you are in a well-lit area and that the camera lens is clean when registering
- Ensure your image is not blurry for better match results

Registering your face

For better face registration, register your face indoors and out of direct sunlight.

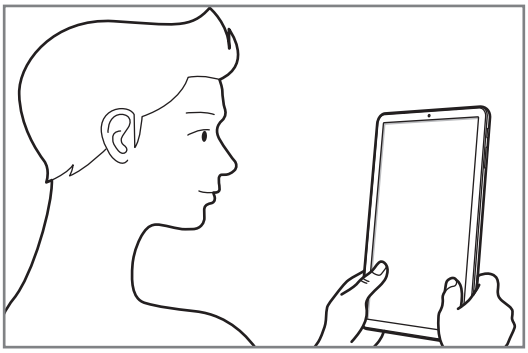
1 On the Settings screen, tap **Biometrics and security** → **Face Recognition**.

2 Unlock the screen using the preset screen lock method.

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

3 Select whether you are wearing glasses or not and tap **CONTINUE**.

4 Hold the device with the screen facing towards you and look at the screen.



5 Position your face inside the frame on the screen.

The camera will scan your face.

When a face lock screen appears, tap **OK** to use your face to unlock the screen.

If unlocking the screen with your face is not working properly, tap **Remove face data** to remove your registered face and register your face again.

Deleting the registered face data

You can delete face data that you have registered.

1 On the Settings screen, tap **Biometrics and security** → **Face Recognition**.

2 Unlock the screen using the preset screen lock method.

3 Tap **Remove face data**.

Once the registered face is deleted, all the related features will also be deactivated.

Unlocking the screen with your face

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

1 On the Settings screen, tap **Biometrics and security** → **Face Recognition**.

2 Unlock the screen using the preset screen lock method.

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

If you want to reduce the possibility of recognising faces in photos or videos, tap the **Faster recognition** switch to deactivate it. This may decrease the face recognition speed.

4 On the locked screen, look at the screen.

When your face is recognised, you can unlock the screen without using any additional screen lock method. If your face is not recognised, use the preset screen lock method.

Iris recognition

The iris recognition feature uses the unique characteristics of your irises, such as their shape and pattern, to strengthen the security of your device. Your iris data can be used for various authentication purposes. After registering your irises, you can set the device to use your irises for the following features:

- Samsung Pass (Samsung account verification and web sign-in)
- Screen lock
- Secure Folder

- This feature may not be available depending on the region or service provider.
- If you use your iris as a screen lock method, your irises cannot be used to unlock the screen for the first time after turning on the device. To use the device, you must unlock the screen using the pattern, PIN, or password you set when registering the irises. Be careful not to forget your pattern, PIN, or password.
- If your irises are not recognised, unlock the device using the pattern, PIN, or password you set when registering the irises, and then re-register your irises. 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.
- If you change the screen lock method to **Swipe** or **None**, which are not secure, all of your biometric data will be deleted. If you want to use your biometric data in apps or features, you must register your biometric data again.

Precautions for using iris recognition

Before using iris recognition, keep the following precautions in mind.

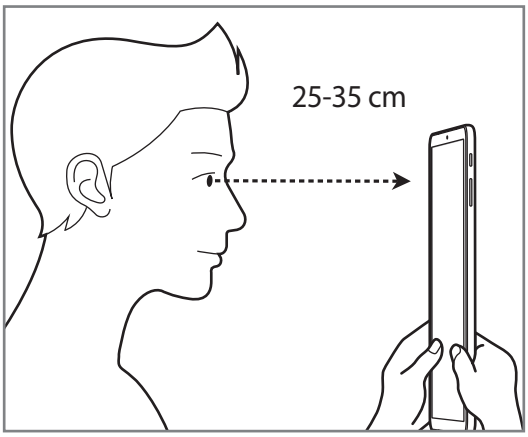
- To protect your eyes, keep the screen at least 20 cm away from your face when using iris recognition.
- If you attach screen protectors (privacy protection films, tempered glass protectors, etc.), the recognition may fail.
- Do not use iris recognition with infants. Doing so may damage their eyesight.
- Anyone who has experienced dizziness, seizures, loss of awareness, blackouts, or other symptoms linked to an epileptic condition, or has a family history of such symptoms or conditions, should consult a doctor before using iris recognition.
- Biometric data collected and stored locally by the iris scanner is not intended for any diagnostic, therapeutic, or preventative medical purposes.

For better iris recognition

The tablet may not recognise your eyes when:

- something prevents the camera from getting a good view of your irises (e.g. glasses, low eyelids, recent eye surgery, disease, dirt, damage to the camera, or excessive movement).
- the lighting is very different from when you recorded your irises (e.g. direct sunlight).

Hold your device about 25-35 cm away from your face with the screen facing towards you.



Registering irises

The device can save the iris data of one person only. You cannot register more than one set of irises.

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

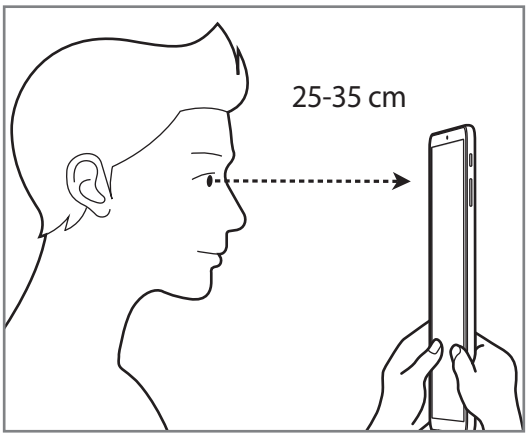
2 Unlock the screen using the preset screen lock method.

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

3 Read the on-screen instructions and tap **CONTINUE**.

To register only one iris of your eyes, tap **Register just 1 iris**.

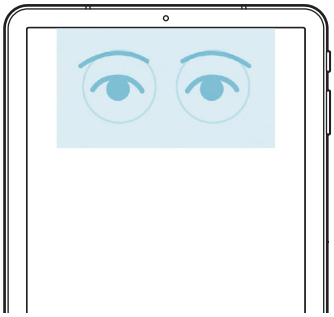
4 Hold the device with the screen facing towards you and look at the screen.



5 Position your eyes inside the circles on the screen and open your eyes wide.

The iris recognition camera will scan your irises.

When an iris unlock screen appears, tap **TURN ON** to use your irises to unlock the screen.



Deleting registered iris data

You can delete iris data that you have registered.

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

2 Unlock the screen using the preset screen lock method.

3 Tap **Remove iris data**.

Once the registered iris data has been deleted, all the related features will also be deactivated.

Using Samsung Pass

When you register your irises to Samsung Pass, you can use them to easily verify your identity or sign in to websites. Refer to Samsung Pass for more information.

Unlocking the screen with your irises

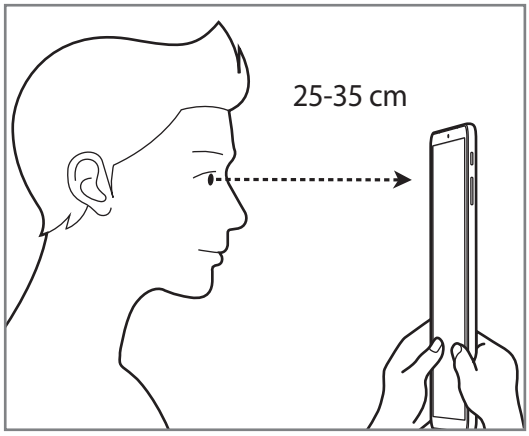
You can unlock the screen with your irises instead of using a pattern, PIN, or password.

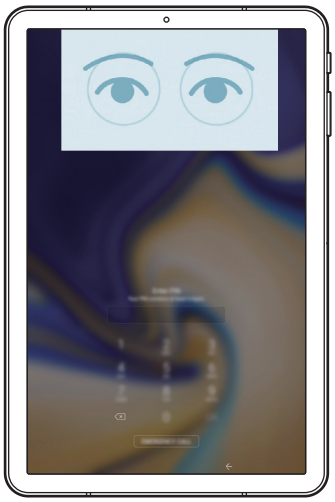
1 On the Settings screen, tap **Biometrics and security** → **Iris Scanner**.

2 Unlock the screen using the preset screen lock method.

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

4 On the locked screen, swipe in any direction and position your eyes inside the circles on the screen to scan your irises.





To unlock the screen using iris recognition, without swiping on the locked screen, tap **Screen-on iris recognition** switch to activate it.

Samsung Pass

Samsung Pass allows you to sign in to your Samsung account, websites, or apps more easily and securely via your biometric data rather than entering your login information.

Register your biometric data to Samsung Pass and set to sign in to supported websites or apps using the data via Samsung Pass.

- To use this feature, your device must be connected to a Wi-Fi network.
- To use this feature, you must register and sign in to your Samsung account. For more information, refer to Samsung account.
- The website sign-in feature is only available for websites that you access via the **Internet** app. Some websites may not support this feature.

Registering Samsung Pass

Before using Samsung Pass, register your biometric data to Samsung Pass.

1 On the Settings screen, tap **Biometrics and security** → **Samsung Pass**.

2 Read the on-screen instructions and tap **SIGN IN**.

3 Enter your Samsung account ID and password and tap **SIGN IN**.

4 Tap **IRIS** and register your irises.

Refer to Iris recognition for more information.

5 Scan your irises and tap **NEXT** to complete the Samsung Pass registration.

If the **Add to Home screen** option is ticked, the Samsung Pass icon will be added on the Home screen.

Verifying the Samsung account password

You can use Samsung Pass to verify your Samsung account password. You can use your biometric data instead of entering your password, for example, when you purchase content from **Galaxy Apps**.

1 On the Settings screen, tap **Biometrics and security** → **Samsung Pass**.

2 Unlock the screen using the preset screen lock method.

3 Tap ⋮ → **Settings** → **Samsung account**, and then tap the **Use with Samsung Pass** switch to activate it.

Using Samsung Pass to sign in to websites

You can use Samsung Pass to easily sign in to websites that support ID and password autofill.

1 Open a website that you want to sign in to.

2 Enter your user name and password, and then tap the website's sign in button.

3 When a pop-up window asking whether you want to save the sign-in information appears, tick **Sign in with Samsung Pass** and tap **REMEMBER**.

You can now use the biometric data you registered to Samsung Pass when signing in to the website.

Using Samsung Pass to sign in to apps

You can use Samsung Pass to easily sign in to apps that support ID and password autofill.

1 Open an app that you want to sign in to.

2 Enter your user name and password, and then tap the app's sign in button.

3 When a pop-up window asking whether you want to save the sign-in information appears, tap **SAVE**.

You can now use the biometric data you registered to Samsung Pass when signing in to the app.

Managing sign-in information

View the list of websites and apps you have set to use Samsung Pass and manage your sign-in information.

1 On the Settings screen, tap **Biometrics and security** → **Samsung Pass**.

2 Unlock the screen using the preset screen lock method.

3 Select a website or app from the list.

4 Tap ⋮ → **Edit** and modify your ID, password, and the website's or app's name.

To delete the website or app, tap ⋮ → **Delete**.

Using Samsung Pass with websites and apps

When using websites or apps that support Samsung Pass, you can easily sign in with Samsung Pass.

To see the list of websites and apps that support Samsung Pass, open the Settings screen, tap **Biometrics and security** → **Samsung Pass**, and then select the site or app tab. If there are no websites or apps that support Samsung Pass, the site or app tab will not appear.

- Available websites and apps may vary depending on the region or service provider.
- Samsung is not responsible for any loss or inconvenience caused by signing in to websites or apps via Samsung Pass.

Deleting your Samsung Pass data

You can delete your biometric data, web sign-in information, and app data registered to Samsung Pass with **Delete data**. Your agreement to the terms and conditions and your Samsung account will remain active.

1 On the Settings screen, tap **Biometrics and security** → **Samsung Pass**.

2 Unlock the screen using the preset screen lock method.

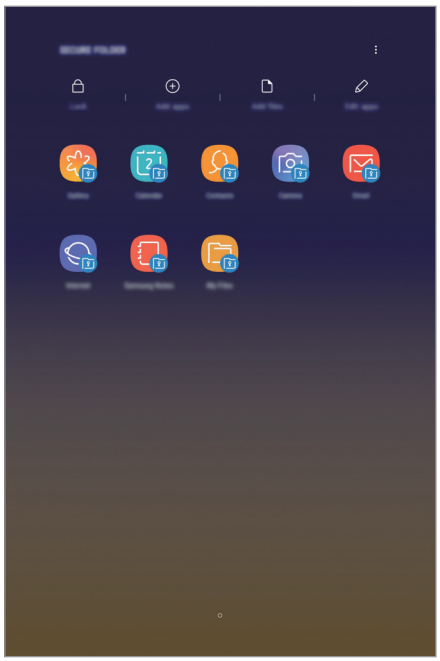
3 Tap ⋮ → **Settings** → **Delete data** → **DELETE**.

4 Enter your Samsung password and tap **CONFIRM**.

Your Samsung Pass data will be deleted.

Secure Folder

Secure Folder protects your private content and apps, such as photos and contacts, 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 or Wi-Fi Direct. 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 **START**.

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

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

To change the name or icon colour of Secure Folder, tap ⋮ → **Customise icon**.

- When you launch the **Secure Folder** app, you must unlock the app using your preset lock method.
- If you forget your Secure Folder unlock code, you can reset it using your Samsung account. Tap the reset button at the bottom of the locked screen, 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 to Secure Folder

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 **Secure Folder** app and tap **Add files**.

2 Tap **Images**, tick images to move, and then tap **DONE**.

3 Tap **MOVE**.

The selected items will be deleted from the original folder and moved to Secure Folder. To copy items, tap **COPY**.

The method for moving content may vary depending on the content type.

Moving content from Secure Folder

Move content from Secure Folder to the corresponding app in the default storage. The following actions are an example of moving an image from Secure Folder to the default storage.

1 Launch the **Secure Folder** app and tap **Gallery**.

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

The selected items will be moved to **Gallery** in the default storage.

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** or **Galaxy Apps**, tap **DOWNLOAD FROM PLAY STORE** or **DOWNLOAD FROM GALAXY APPS**.

Removing apps from Secure Folder

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

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.

Alternatively, drag the status bar downwards to open the notification panel. Then, swipe downwards on the notification panel and tap **Secure Folder** to deactivate the feature.

Backing up and restoring Secure Folder

Back up content and apps in Secure Folder to Samsung Cloud using your Samsung account and restore them later.

Backing up data

1 Launch the **Secure Folder** app and tap ⋮ → **Settings** → **Backup and restore**.

2 Tap **Add account** and register and sign in to your Samsung account.

3 Tap **Back up Secure Folder data**.

4 Tick items you want to back up and tap **BACK UP NOW**.

Data will be backed up to Samsung Cloud.

Restoring data

1 Launch the **Secure Folder** app and tap ⋮ → **Settings** → **Backup and restore**.

2 Tap **Restore**.

3 Select a device and the data types you want to restore and tap **RESTORE NOW**.

Backed up data will be restored to your device.

Uninstalling Secure Folder

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

Launch the **Secure Folder** app and tap ⋮ → **Settings** → **More settings** → **Uninstall**.

To back up content before uninstalling Secure Folder, tick **Move media files out of Secure Folder** and tap **UNINSTALL**. To access data backed from Secure Folder, open the **Samsung** folder, launch the **My Files** app, and then tap **Internal storage** → **Secure Folder**.

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

Cloud and accounts

Options

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

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

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**: 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. Refer to Samsung Cloud for more information.
- **Accounts**: Add your Samsung and Google accounts, or other accounts, to sync with.
- **Users**: Set up additional user accounts for other users to use the device with personalised settings, such as email accounts, wallpaper preferences, and more. Refer to Users for more information.
- **Backup and restore**: 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.
- **Smart Switch**: Launch Smart Switch and transfer data from your previous device. Refer to Smart Switch for more information.

Users

Set up additional user accounts for other users to use the device with personalised settings, such as email accounts, wallpaper preferences, and more. Following types of user accounts are available:

- **Administrator**: The administrator account is created only when setting up the device for the first time, and cannot be created more than one. This account has full control of the device including user account management. You can add or delete user accounts only when using this account.
- **Guest**: This account allows guests to access the device. Information and data used during a guest session is temporarily stored. Each time you use this account, you are asked whether to continue the previous guest session or reset it.
- **User**: This account allows users to access their own apps and content, and customise the device settings that affect all accounts.
- **User (restricted profile)**: A restricted account can only access the apps and content allowed by the owner account, and cannot use the services that require logging in.

Adding users

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

2 Tap **Add user or profile** → **User** → **OK** → **SET UP NOW**.

The device will switch to a new user account and the default locked screen will appear on the screen.

3 Unlock the device and follow the on-screen instructions to complete the account setup.

Adding restricted profiles

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

2 Tap **Add user or profile** → **User (restricted profile)**.

If you are not using a secure screen lock method with the owner account, follow the on-screen instructions to set one up.

3 Select the apps and content that restricted users are allowed to access.

Switching users

Tap the user account icon at the top of the locked screen and select an account to switch to.

Locked screen

Managing users

When using the owner account, you can delete accounts or change account settings for restricted accounts.

To delete a user account, tap next to the account and then tap **DELETE**.

To change the settings for a restricted account, tap next to an account. You can delete the account by tapping .

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.
- **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 for more than 3 seconds.
- **Notification reminder**: Set the device to alert you to notifications that you have not checked at the interval.
- **Single tap mode**: Set the device to control notifications by tapping the button instead of dragging it.
- **Accessibility settings backup**: Import, export, or share your accessibility settings.
- **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. Refer to Adding device languages for more information.
- **Date and time**: Access and alter the settings to control how the device displays the time and date.

  If the battery remains fully discharged, the time and date is reset.

- **Contact us**: Ask questions or view frequently asked questions. Refer to Samsung Members for more information.
- **Report diagnostic info to Samsung**: 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. You can reset all your settings and network settings. You can also set the device to restart at a preset time for device optimisation.

Adding device languages

You can add languages to use on your device.

1 On the Settings screen, tap **General management** → **Language and input** → **Language** → **Add language**.

  To view all the languages that can be added, tap ⋮ → **All languages**.

2 Select a language to add.

3 To set the selected language as the default language, tap **SET AS DEFAULT**. To keep the current language setting, tap **KEEP CURRENT**.

The selected language will be added to your languages list. If you changed the default language, the selected language will be added to the top of the list.

To change the default language from your languages list, drag ⇕ next to a language and move it to the top of the list. Then, tap **DONE**. If an app does not support the default language, the next supported language in the list will be used.

Software update

Update your device's software via the firmware over-the-air (FOTA) service. You can also schedule software updates.

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

If emergency software updates are released for your device's security and to block new types of security threats, they will be installed automatically without your agreement.

- **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 updates at a specified time.
- **Last update information**: View information about the last software update.

Security updates information

Security updates are provided to strengthen the security of your device and protect your personal information. For security updates for your model, visit security.samsungmobile.com.

The website supports only some languages.

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**.

To change your device's name, tap **EDIT**.

- **Status**: View various device information, such as the 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.

The Internet is often disconnected

- 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 will increase when you use certain features or apps, such as GPS, games, or the Internet.
- The battery is consumable and the useful charge will get shorter over time.

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.

Bluetooth is not working well

If another Bluetooth device is not located or there are connection problems or performance malfunctions, try the following:

- Ensure that the device you wish to connect with is ready to be scanned or connected to.
- Ensure that your device and the other Bluetooth device are within the maximum Bluetooth range (10 m).
- On your device, launch the **Settings** app, tap **Connections**, and then tap the **Bluetooth** switch to re-activate it.
- On your device, launch the **Settings** app, tap **General management** → **Reset** → **Reset network settings** → **RESET SETTINGS** to reset network settings. You may lose registered information when performing the reset.

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.

The Apps button does not appear on the Home screen

Without using the Apps button, you can open the Apps screen by swiping upwards or downwards on the Home screen. To display the Apps button at the bottom of the Home screen, launch the **Settings** app and tap **Display** → **Home screen** → **Apps button** → **Show Apps button** → **APPLY**.

The Home button does not appear

The navigation bar containing the Home button may disappear while using certain apps or features. To view the navigation bar, drag upwards from the bottom of the screen.

The screen brightness adjustment bar does not appear on the notification panel

Open the notification panel by dragging the status bar downwards, and then drag the notification panel downwards. Tap ⌄ next to the brightness adjustment bar and tap the **Show control on top** switch to activate it.

Samsung Cloud does not work

- Ensure that you are connected to a network properly.
- During a Samsung Cloud's service check, you cannot use Samsung Cloud. Try again later.

The device does not recognise my irises from the locked screen

- Ensure that nothing obstructing the iris recognition camera and LED and try again.
- If light conditions are very different from when you registered your irises, the device may not recognise your irises. Move to another location and try again.
- Ensure that the device is not moving or tilted too much.

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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