SAMSUNG

USER MANUAL

Draft Manual: The Manual is preliminary and some features discussed may not be applicable or complete and are not final. (i.e. Model Names and Items such as battery, SIM Card, Softkey discussion .etc)

SM-T865
SM-T867

English. 06/2019. Rev.1.0

www.samsung.com

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Basics

Read me first

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

- Descriptions are based on the device's default settings.
- Some content may differ from your device depending on the region, service provider, model specifications, or device's software.
- Content (high quality content) that requires high CPU and RAM usage will affect the overall performance of the device. Apps related to the content may not work properly depending on the device's specifications and the environment that it is used in.
- Samsung is not liable for performance issues caused by apps supplied by providers other than Samsung.
- Samsung is not liable for performance issues or incompatibilities caused by edited registry settings or modified operating system software. Attempting to customise the operating system may cause the device or apps to work improperly.
- Software, sound sources, wallpapers, images, and other media provided with this device are licensed for limited use. Extracting and using these materials for commercial or other purposes is an infringement of copyright laws. Users are entirely responsible for illegal use of media.
- You may incur additional charges for data services, such as messaging, uploading and downloading, auto-syncing, or using location services depending on your data plan. For large data transfers, it is recommended to use the Wi-Fi feature. (SM-T865, SM-T867)
- 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, tap Settings →About Tablet →Status
- Supprted features may differ or labelled differently depending on whether your device is a single or dual SIM Model.

- Depending on the region or service provider, a screen protector is attached for protection during production and distribution. Damage to the attached screen protector is not covered by the warranty.
- You can see the touchscreen clearly even in strong outdoor sunlight by automatically adjusting the contrast range based on the surrounding environment. Due to the nature of the product, displaying fixed graphics for extended periods may result in afterimages (screen burn-in) or ghosting.
  - It is recommended not to use fixed graphics on part or all of the touchscreen for extended periods and turn off the touchscreen when not using the device.
  - You can set the touchscreen to turn off automatically when you are not using it. Launch the **Settings** app, tap **Display** → **Screen timeout**, and then select the length of time you want the device to wait before turning off the touchscreen.
  - To set the touchscreen to automatically adjust its brightness based on the surrounding environment, launch the **Settings** app, tap **Display**, and then tap the **Adaptive brightness** switch to activate it.
- 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.

Precautions for device overheating

If you begin to feel uncomfortable due to the device overheating, stop using the device.

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 overheats and reaches a certain temperature, a warning massage will appear to prevent device failure, skin irritations and damages, and battery leakage. 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 all calling and other features will be limited, except for emergency calls, until the device cools down.
- If the second message appears due to a further increase of the device's temperature, the device will turn off. Do not use the device until the device's temperature drops below the specified level. If the second warning message appears during an emergency call, the call will not be disconnected by a forced shut 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.
- Do not use a cable whose covering is peeled off or damaged, and do not use any charger or battery that is damaged or malfunctioning.

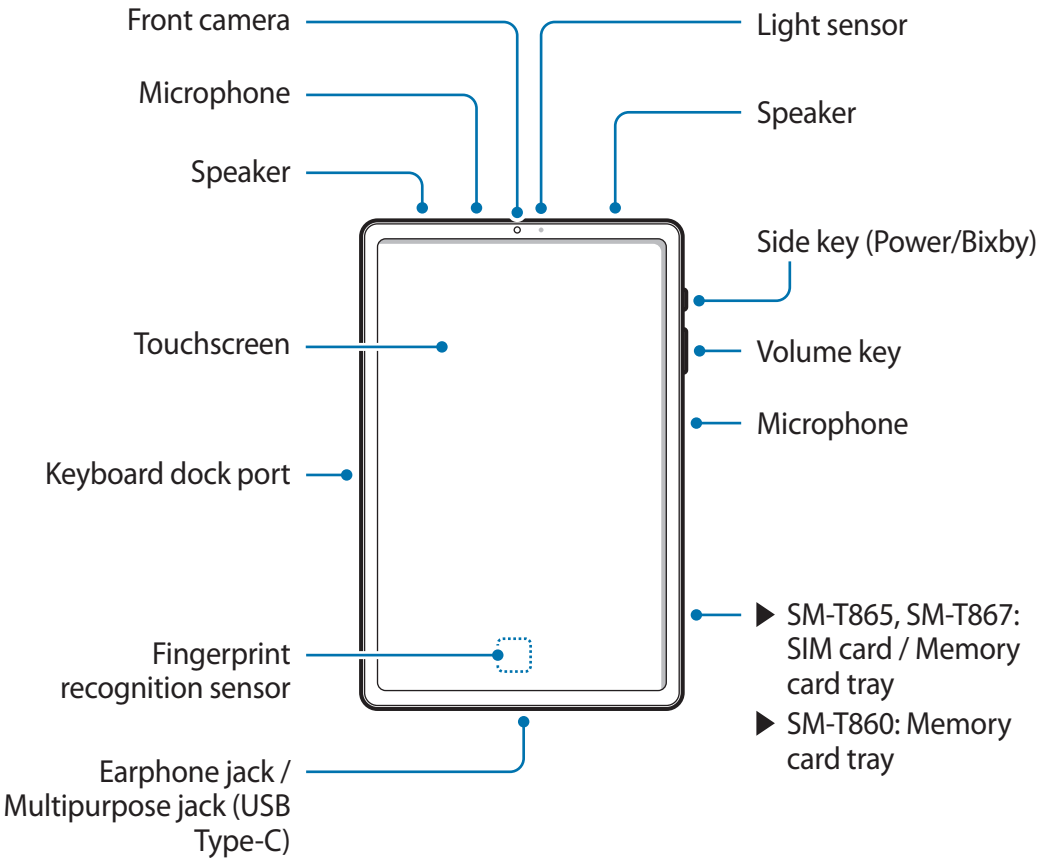
Device layout and functions

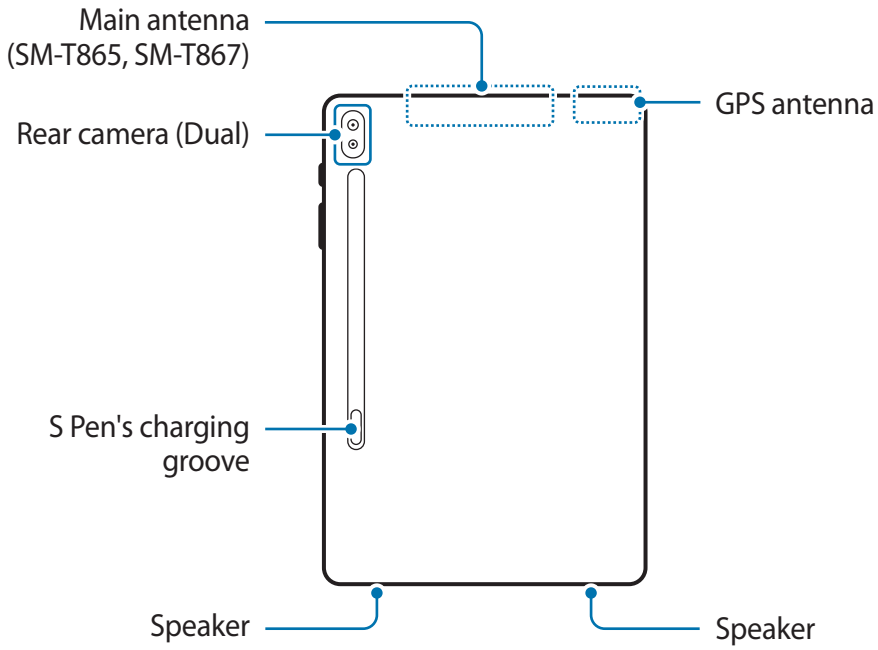
Package contents

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.
- The earphones (USB Type-C) that support digital output can be used with the device. However, the device may not be compatible with earphones that use a different audio output method or were made by a different manufacturer.

Device layout



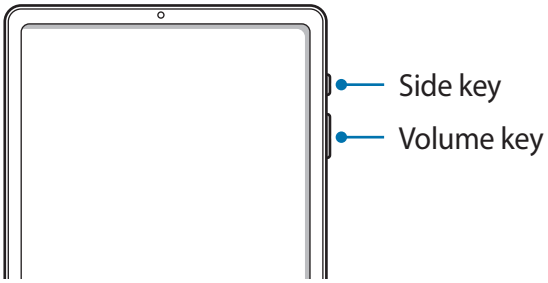


- Your device contains magnets, which may affect medical devices, such as pacemakers or implantable cardioverter defibrillators. If you are using any of these medical devices, keep your device a safe distance from them and consult with your physician before you use the device.
- Keep a safe distance between your device and objects that are affected by magnets. Objects such as credit cards, passbooks, access cards, boarding passes, or parking passes may be damaged or disabled by the magnets in the device.

- 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.
- Be careful not to expose the camera lens to a strong light source, such as direct sunlight. If the camera lens is exposed to a strong light source, such as direct sunlight, the camera image sensor may be damaged. A damaged image sensor is irreparable and will cause dots or spots in pictures.
- If you use the device with its glass or acrylic body broken, there may be a risk of injury. Use the device only after it has been repaired at a Samsung Service Centre.

- Connectivity problems and battery drain may occur in the following situations:
  - If you attach metallic stickers on the antenna area of the device
  - If you attach a device cover made with metallic material to the device
  - If you cover the device's antenna area with your hands or other objects while using certain features, such as calls or the mobile data connection (SM-T865, SM-T867)
- Using a Samsung-approved screen protector is recommended. Unapproved screen protectors may cause the sensors to malfunction.
- Do not cover the 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
Volume key	• Press to adjust the device volume.
Side key	• When the device is off, press and hold to turn it on. • Press to turn on or lock the screen. • Press and hold to start a conversation with Bixby. Refer to Using Bixby for more information. • Press twice to launch the app or feature you set.
Side key + Volume Down key	• Press simultaneously to capture a screenshot. • Press and hold simultaneously to turn off the device.

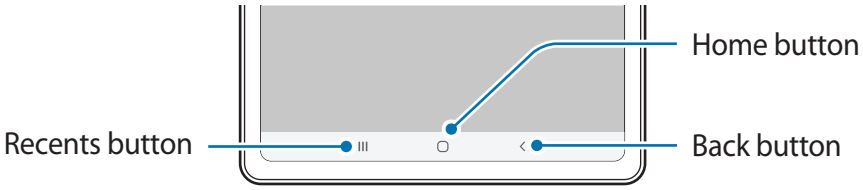
Setting the Side key

Select an app or feature to launch using the Side key.

Launch the **Settings** app and tap **Advanced features** → **Side key**.

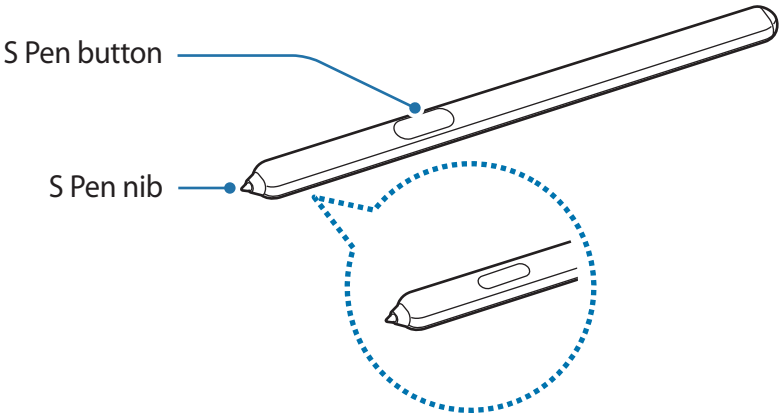
Select an option you want under **Double press** or **Press and hold**. You can then launch the app or feature by pressing the Side key twice or pressing and holding the Side key.

Soft buttons



When you turn on the screen, 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.

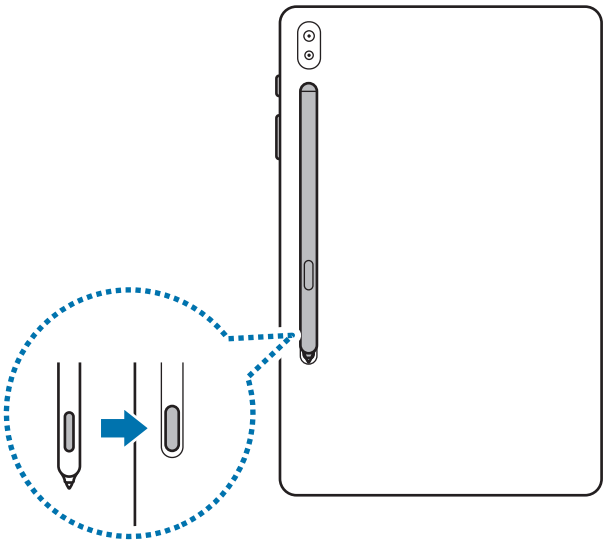
S Pen



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	• Press and hold the S Pen button to launch the preset app. If you press the button once or twice while using apps, the device will perform certain features. Refer to Air actions for more information. • 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.

Charging the S Pen

The S Pen must be charged before you can use the Air action feature. When the S Pen and the S Pen's charging groove are properly aligned, charging will begin.



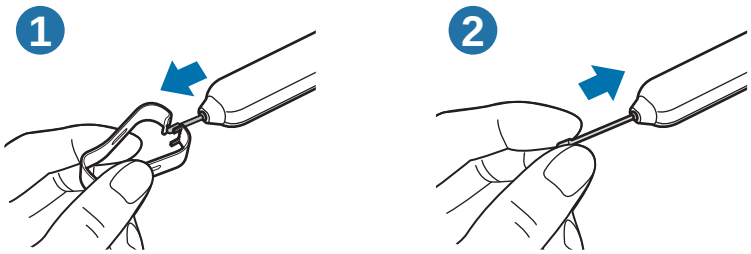
- Even if the S Pen has been fully discharged, you can use other S Pen features, such as tapping the touchscreen or the Air command features.
- If the device and the S Pen are not attached like in the image, the S Pen may not be charged. Attach the S Pen like it is in the image.
- If you use the device on the floor with the S Pen attached to the S Pen charging groove, it may scratch the S Pen.

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.
- 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.

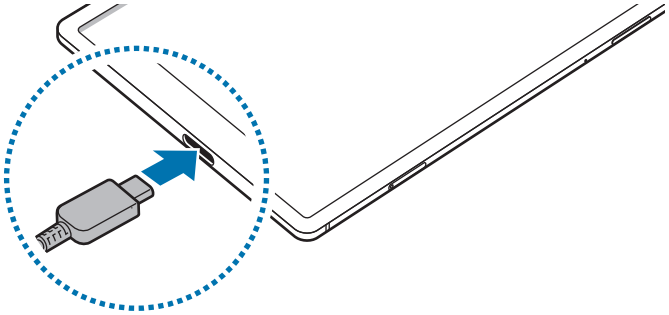
Use only Samsung-approved battery, charger, and cable specifically designed for your device. Incompatible battery, charger, and cable can cause serious injuries or damage to your device.

- Connecting the charger improperly may cause serious damage to the device. Any damage caused by misuse is not covered by the warranty.
- Use only USB Type-C cable supplied with the device. The device may be damaged if you use Micro USB cable.

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 care feature.
- When you are not using the device, turn off the screen by pressing the Side key.
- Activate power saving mode.
- Close unnecessary apps.
- Deactivate the Bluetooth 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 this occurs during wireless charging, disconnect the device from the charger to let it cool down, then charge the device again later.
- 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 care** → **Battery** → ⋮ → **Settings**, and then tap the **Fast cable charging** switch to activate it.

- While charging, you cannot activate or deactivate this feature.
- 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.

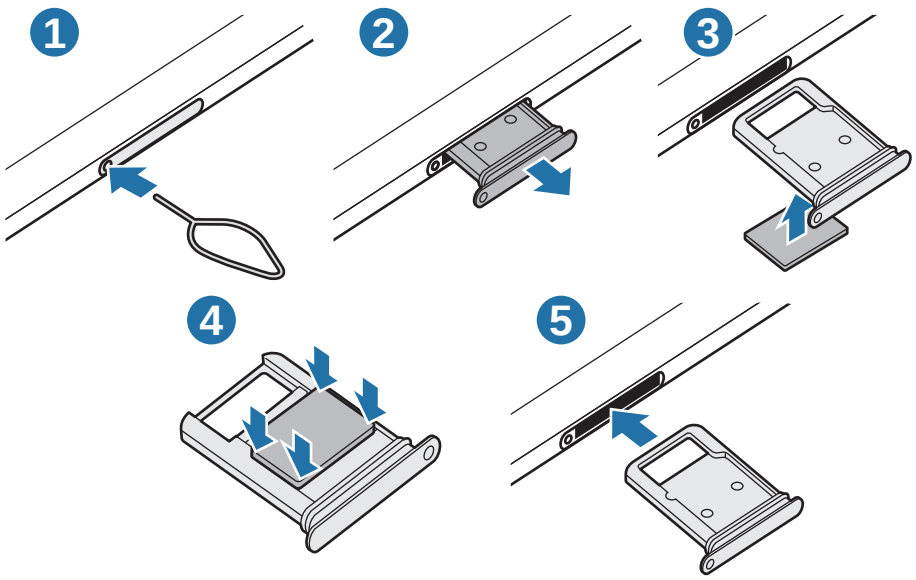
SIM or USIM card (nano-SIM card) (SM-T865, SM-T867)

Installing the SIM or USIM card

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

- Use only a nano-SIM card.
- Use caution not to lose or let others use the SIM or USIM card. Samsung is not responsible for any damages or inconveniences caused by lost or stolen cards.

Some services that require a network connection may not be available depending on the service provider.



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

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

2 Pull out the tray gently from the tray slot.

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

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

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

5 Insert the tray back into the tray slot.

- If you insert the tray into your device while the tray is wet, your device may be damaged. Always make sure the tray is dry.
- Fully insert the tray into the tray slot to prevent liquid from entering your device.

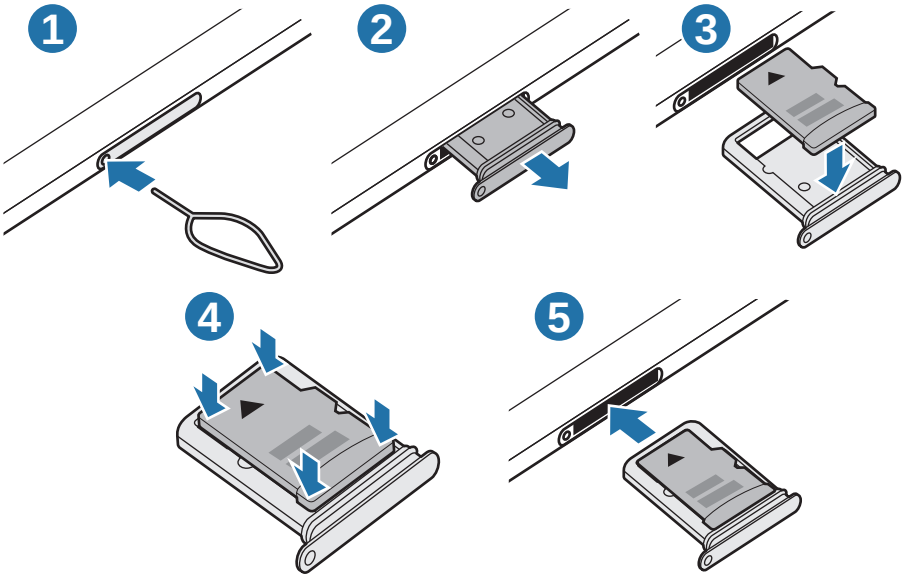
Memory card (microSD card)

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 tray to loosen the tray.

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

2 Pull out the tray gently from the tray slot.

When you remove the tray from the device, the mobile data connection will be disabled. (SM-T865, SM-T867)

3 Place a memory card on the 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 tray back into the tray slot.

- If you insert the tray into your device while the tray is wet, your device may be damaged. Always make sure the tray is dry.
- Fully insert the tray into the tray slot to prevent liquid from entering your device.

Removing the memory card

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

Launch the **Settings** app and tap **Device care** → **Storage** → ⋮ → **Storage settings** → **SD card** → **Unmount**.

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 care** → **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

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

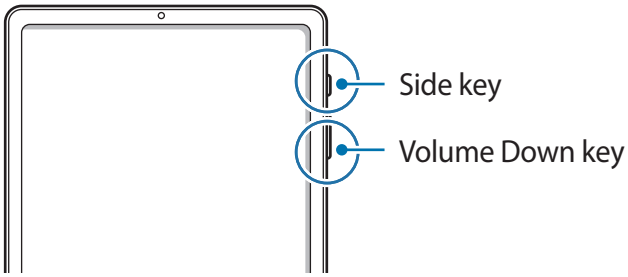
Turning the device on

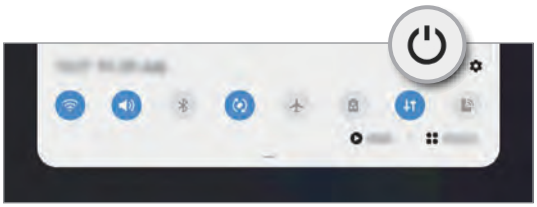
Press and hold the Side key for a few seconds to turn on the device.

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.

Turning the device off

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





2 Tap **Power off**.

To restart the device, tap **Restart**.

You can set the device to turn off when you press and hold the Side key. Launch the **Settings** app and tap **Advanced features** → **Side key** → **Power off menu**.

Forcing restart

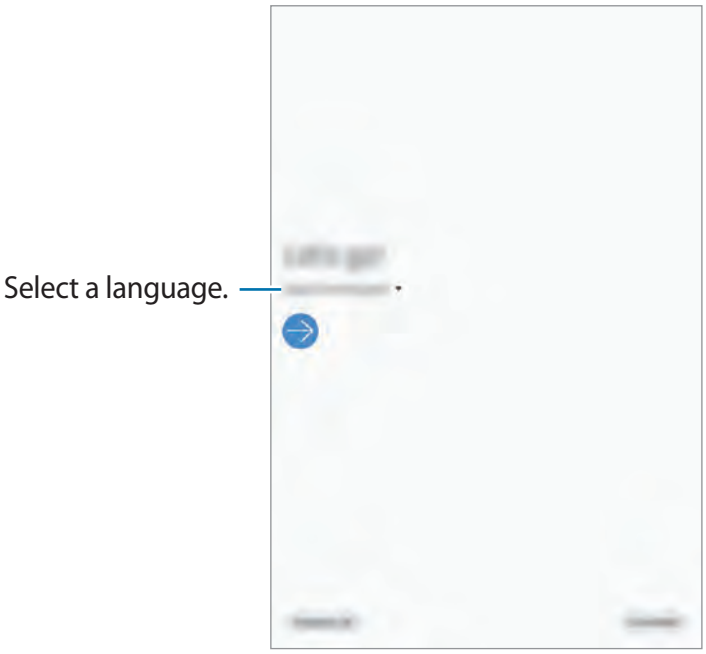
If your device is frozen and unresponsive, press and hold the Side key and the Volume Down key simultaneously for more than 7 seconds to restart it.

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.

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

2 Select your preferred device language and select ➔.



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

The Home screen will appear.

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.

Samsung account

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.

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 **Accounts and backup** → **Accounts** → **Samsung account** → ⋮ → **Help**.

Creating a Samsung account

If you do not have a Samsung account, you should create one. You can create a Samsung account using your email address.

1 Launch the **Settings** app and tap **Accounts and backup** → **Accounts** → **Add account** → **Samsung account**.

Alternatively, launch the **Settings** app and tap .

2 Tap **Create account**.

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

Signing in to your Samsung account

If you already have a Samsung account, sign in to your Samsung account.

1 Launch the **Settings** app and tap **Accounts and backup** → **Accounts** → **Add account** → **Samsung account**.

Alternatively, launch the **Settings** app and tap .

2 Enter your Samsung account ID and password and tap **Sign in**.

3 Follow the on-screen instructions to complete signing in to your Samsung account.

Finding your ID and resetting your password

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

Removing your Samsung account

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

1 Launch the **Settings** app and tap **Accounts and backup** → **Accounts**.

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

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

Transferring data from your previous device (Smart Switch)

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

Launch the **Settings** app and tap **Accounts and backup** → **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.

Transferring data wirelessly

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 Store** or **Play Store**.

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

3 Place the devices near each other.

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

5 On the previous device, select an item to transfer and tap **Send**.

6 On your device, tap **Receive**.

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

After the data is done transferring, you can view a list of the transferred data on your device.

Backing up and restoring data using external storage

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

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

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

3 On your device, launch the **Settings** app and tap **Accounts and backup** → **Smart Switch** → ▪ → **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.

Understanding the screen

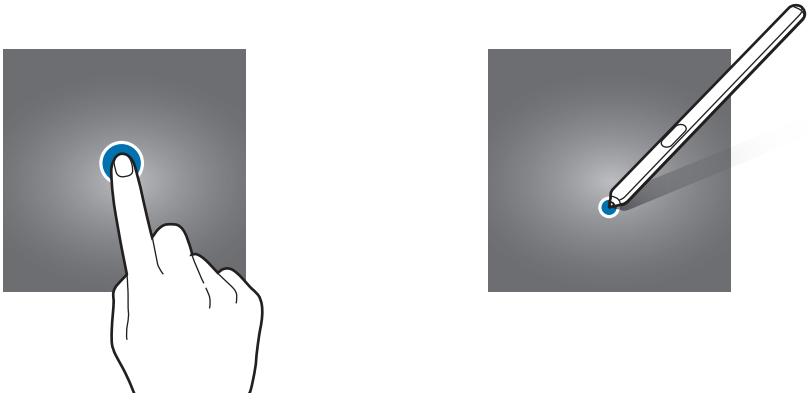
Controlling the touchscreen

- 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.
- It is recommended not to use fixed graphics on part or all of the touchscreen for extended periods. Doing so may result in afterimages (screen burn-in) or ghosting.

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

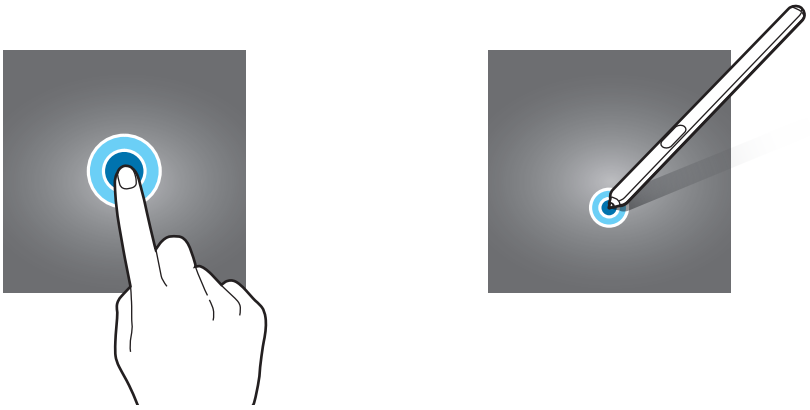
Tapping

Tap the screen.



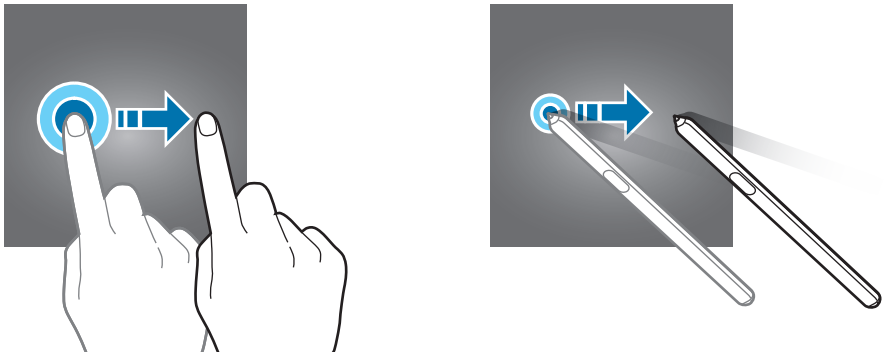
Tapping and holding

Tap and hold the screen for approximately 2 seconds.



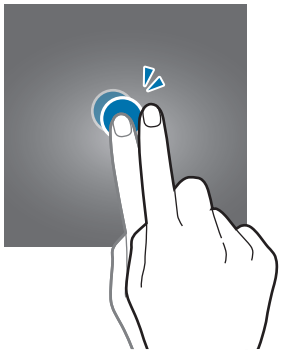
Dragging

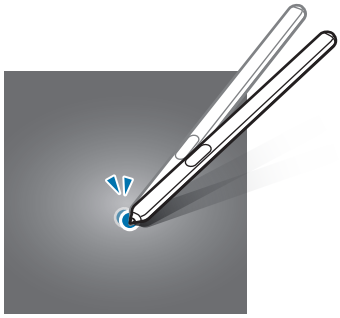
Tap and hold an item and drag it to the target position.



Double-tapping

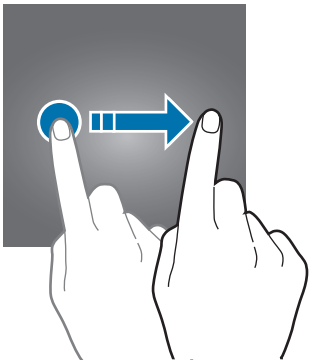
Double-tap the screen.

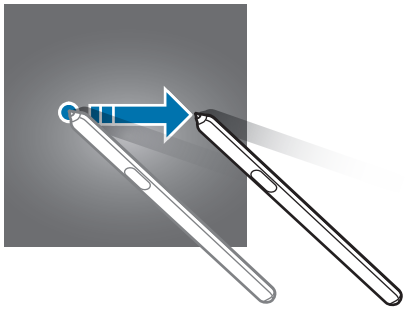




Swiping

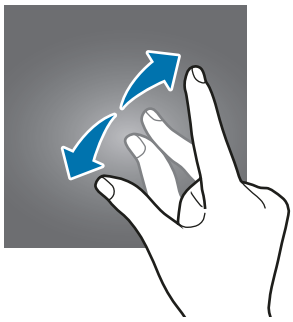
Swipe upwards, downwards, to the left, or to the right.

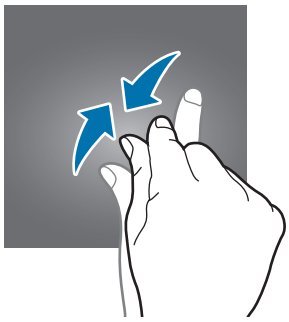




Spreading and pinching

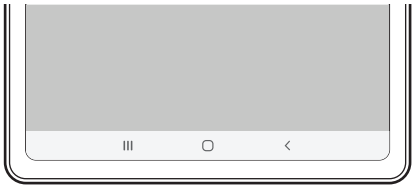
Spread two fingers apart or pinch on the screen.





Navigation bar (soft buttons)

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

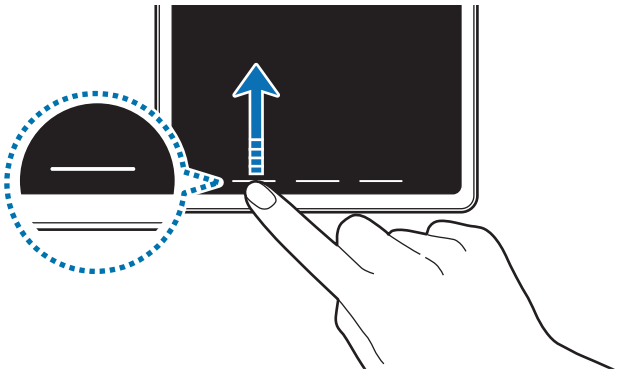


Button		Function
|||	**Recents**	• Tap to open the list of recent apps.
▢	**Home**	• Tap to return to the Home screen. • Tap and hold to launch the **Google Assistant** app.
<	**Back**	• Tap to return to the previous screen.

Hiding the navigation bar

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

Launch the **Settings** app, tap **Display** → **Navigation bar**, and then tap **Full screen gestures** under **Navigation type**. The navigation bar will be hidden and the gesture hints will appear where the soft buttons are located. To use the soft buttons, drag the gesture hint of the desired button upwards.



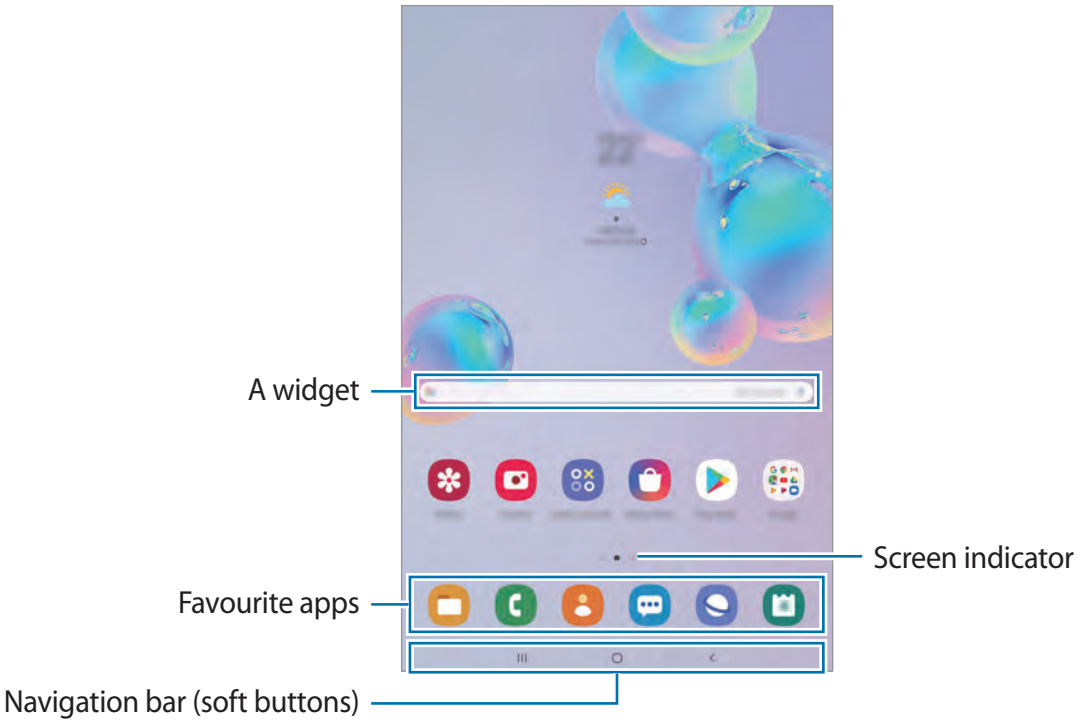
If you want to hide the gesture hints at the bottom of the screen, tap the **Gesture hints** switch to deactivate it.

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.

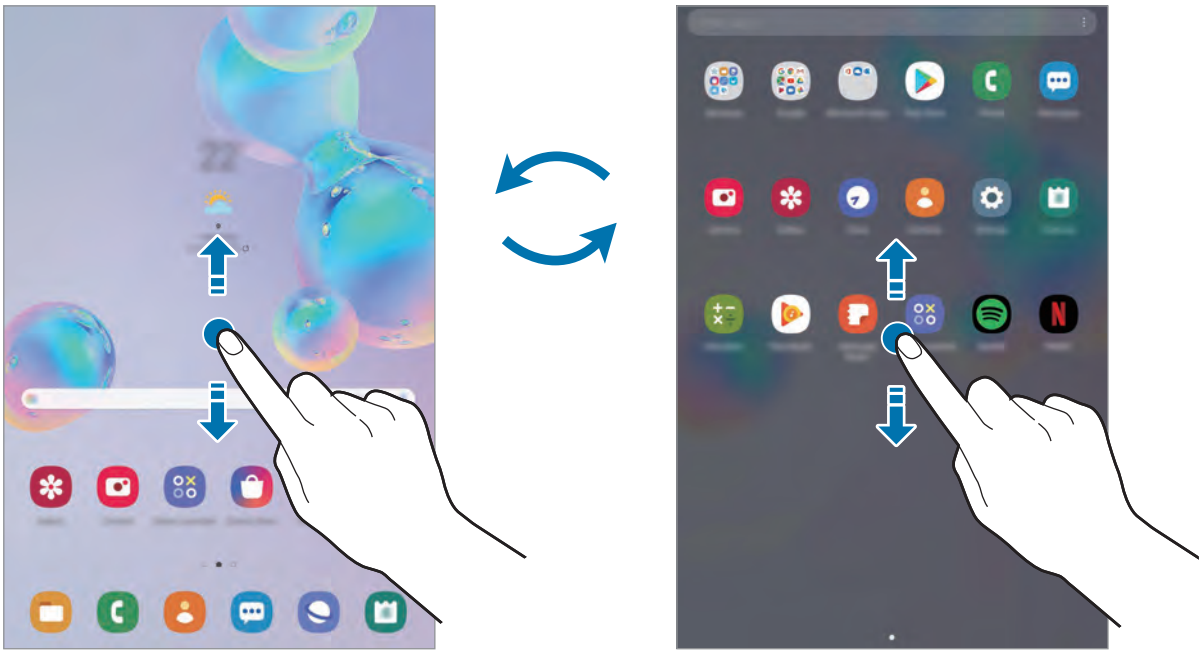
The screen may appear differently depending on the region or service provider.



Switching between Home and Apps screens

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

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



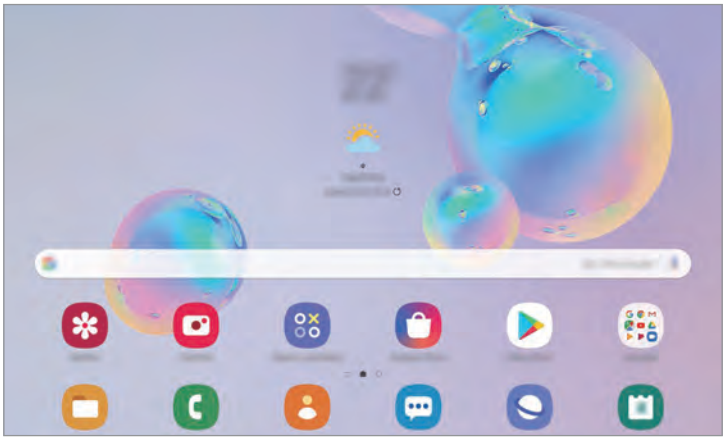
Home screen

Apps screen

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

Display the screen in landscape mode

Rotate the device until it is horizontal to view the screen in landscape mode.



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 tap **Add to Home**. A shortcut to the app will be added on the Home screen.

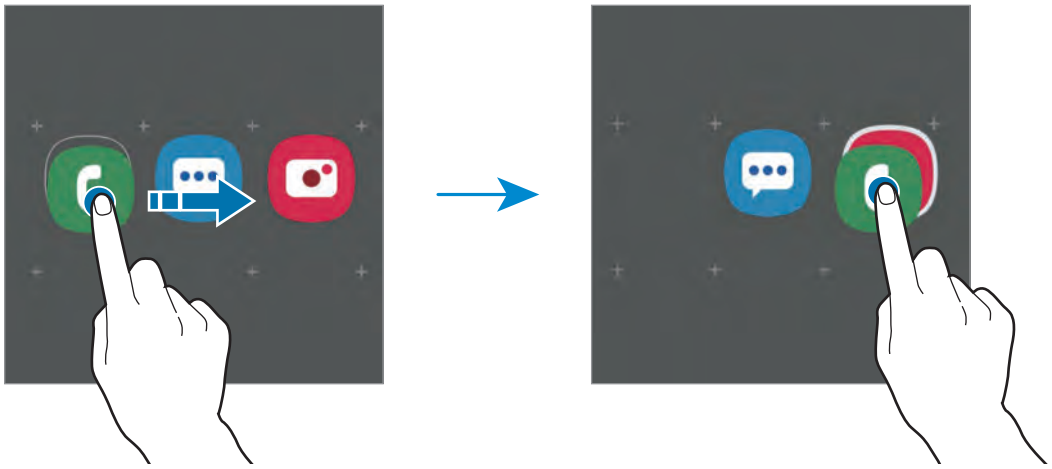
You can also move frequently used apps to the shortcuts area at the bottom of the Home screen.

Creating folders

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

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

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.

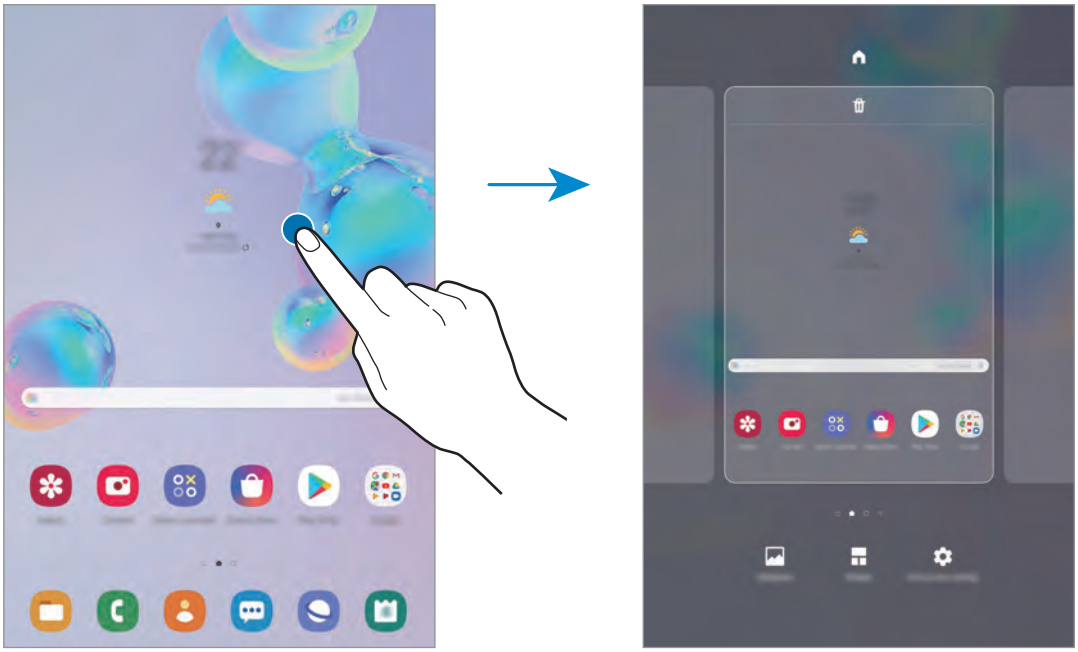
- **Deleting a folder**

  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**: Configure settings for the Home screen, such as the screen grid or layout.

Displaying all apps on the Home screen

Without using a separate Apps screen, you can set the device to display all apps on the Home screen. On the Home screen, 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.
- Some indicator icons appear only when you open the notification panel.

Icon	Meaning
	No signal (SM-T865, SM-T867)
	Signal strength (SM-T865, SM-T867)
	Roaming (outside of normal service area) (SM-T865, SM-T867)
	GPRS network connected (SM-T865, SM-T867)
	EDGE network connected (SM-T865, SM-T867)
	UMTS network connected (SM-T865, SM-T867)
	HSDPA network connected (SM-T865, SM-T867)
	HSPA+ network connected (SM-T865, SM-T867)
	LTE network connected (LTE-enabled models) (SM-T865, SM-T867)
	Wi-Fi connected
	Bluetooth feature activated
	S Pen connected
	S Pen disconnected
	S Pen battery power level
	Location services being used
	Call in progress (SM-T865, SM-T860)
	Missed call (SM-T865, SM-T860)
	New text or multimedia message
	Alarm activated

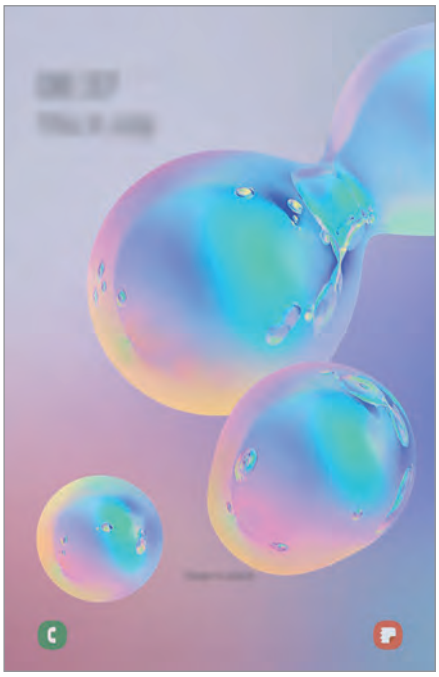
Icon	Meaning
	Mute mode activated
	Vibration mode activated
	Flight mode activated
	Error occurred or caution required
	Battery charging
	Battery power level

Lock screen

Pressing the Side 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 Side key to turn on the screen. Alternatively, double-tap 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 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.

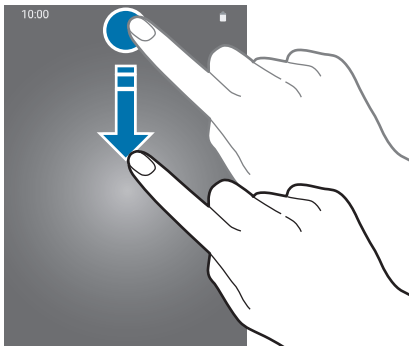
- **Swipe**: Swipe in any direction on the screen to unlock it.
- **Pattern**: Draw a pattern with four or more dots to unlock the screen.
- **PIN**: Enter a PIN with at least four numbers to unlock the screen.
- **Password**: Enter a password with at least four characters, numbers, or symbols to unlock the screen.
- **None**: Do not set a screen lock method.
- **Face**: Register your face to unlock the screen. Refer to Face recognition for more information.
- **Fingerprints**: Register your fingerprints to unlock the screen. Refer to Fingerprint 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.

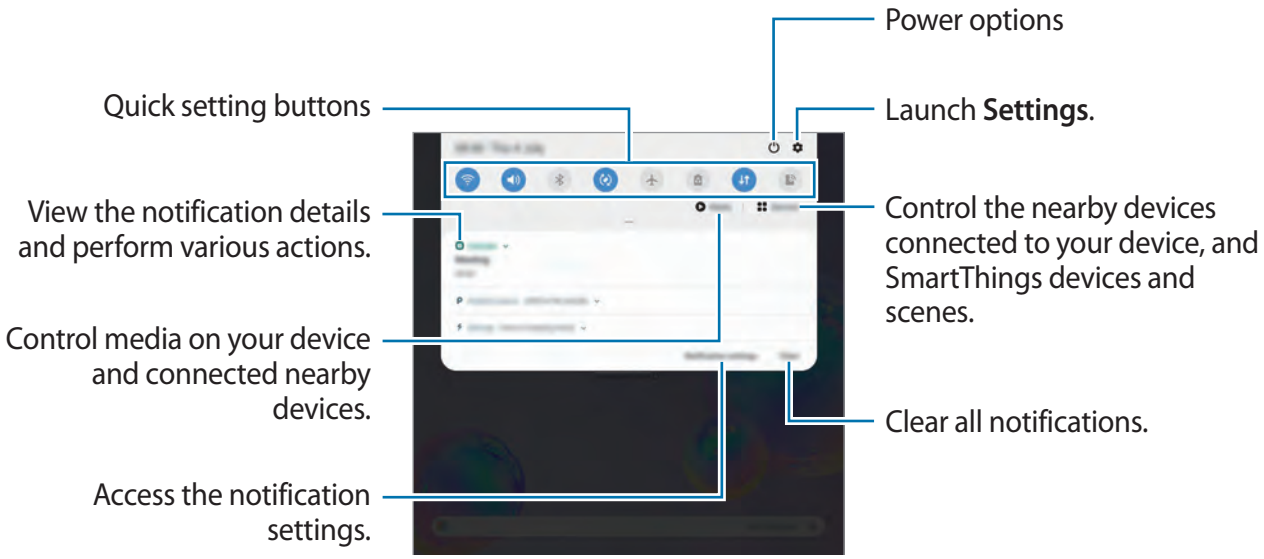
Notification panel

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.

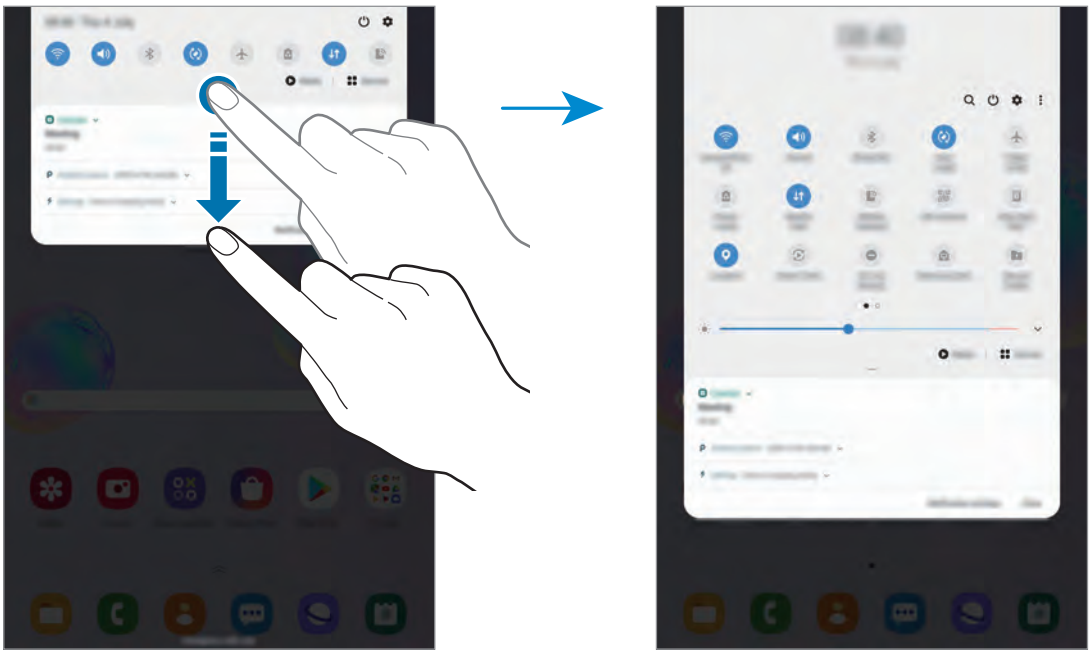


You can use the following functions on the notification panel.



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.

Controlling media playback

Take control of music or video playback easily using the Media feature without launching related apps. You can also continue the playback on another device.

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

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

To continue the playback on another device, tap and select a device you want.

Screen capture and screen record

Screen capture

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

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

- Key capture: Press and hold the Side key and the Volume Down 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** → **Motions and gestures**, 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:

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

If the options are not visible on the captured screen, launch the **Settings** app, tap **Advanced features** → **Screenshots and screen recorder**, and then tap the **Screenshot toolbar** switch to activate it.

Screen record

Record the screen while using your device.

Open the notification panel, swipe downwards, and then tap (**Screen recorder**) to activate it. After a countdown, recording will start.

- To write or draw on the screen, tap .
- To record the screen with a video overlay of yourself, tap .

When you are finished recording the video, tap The video will be saved in **Gallery**.

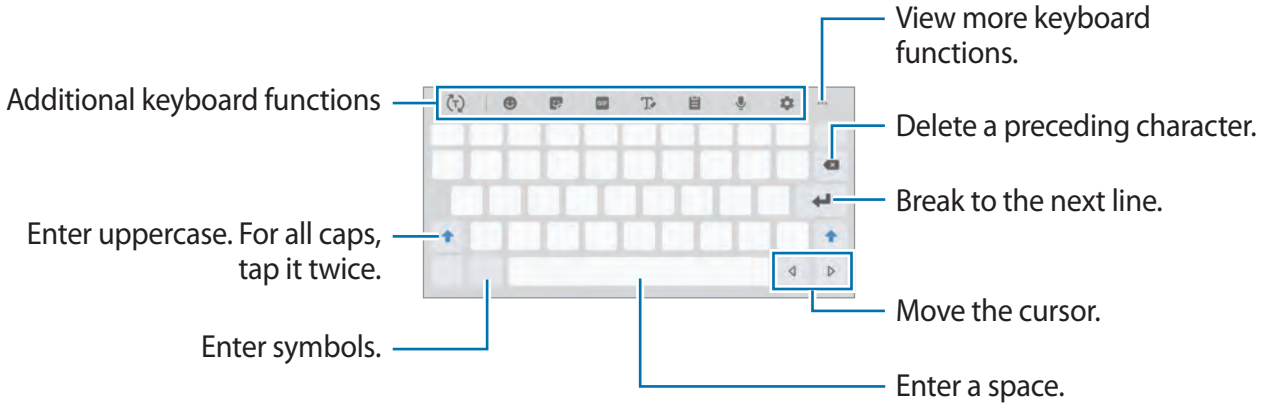
To change the screen recorder settings, launch the **Settings** app and tap **Advanced features** → **Screenshots and screen recorder** → **Screen recorder settings**.

Entering text

Keyboard layout

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

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



Changing the input language

Tap ⚙ → **Languages and types** → **Manage input languages** and 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

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

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

If the keyboard button ⌨ does not appear on the navigation bar, 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. You can also enter My Emoji stickers that look like you. Refer to Using My Emoji stickers in chats for more information.
- : Attach animated GIFs.

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

- : Switch to handwriting mode.

- : Add an item from the clipboard.
- : Enter text by voice.
- : Change the keyboard settings.
- → : Change the keyboard mode or size.
- → : Open the text editing panel.

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.

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

If a dictionary is not preinstalled on the device, tap **Move to Manage dictionaries**, tap next to a dictionary, and then tap **INSTALL** 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 Store

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

Launch the **Galaxy Store** app.

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

Installing apps

Browse apps by category or tap 🔍 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.

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

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 actions

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

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

Launch the **Settings** app, tap **Advanced features** → **S Pen** → **Air actions**, and then tap the switch to activate the feature.

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

Taking photos with the S Pen

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

1 Launch the **Camera** app.

2 Press the S Pen button once to take a photo. Press it twice to switch which camera is being used.

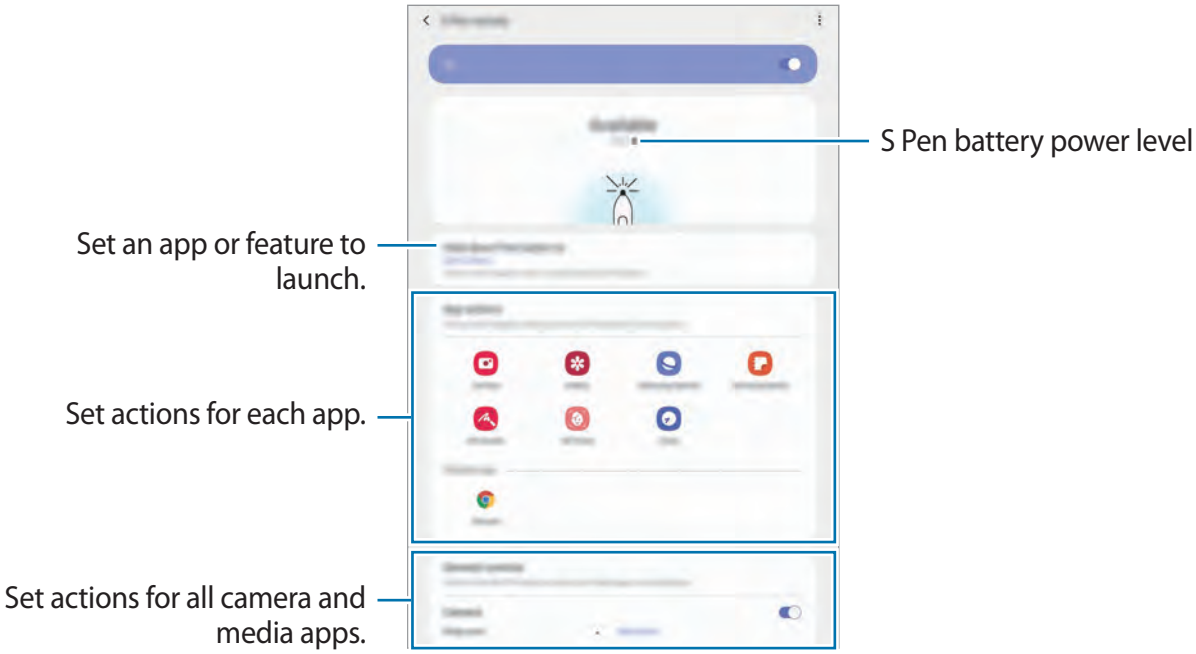
- To change the shooting mode, move the S Pen to the left or right while pressing and holding the S Pen button.
- To switch between cameras, press the S Pen button twice.

Changing apps or features to use

Change the app, feature, or actions you want to use with the S Pen feature.

To change the app to launch, open the Air action setting screen, tap **Hold down Pen button to**, and then select an app or feature.

To change actions for each app, open the Air action setting screen and select an app under **App actions**. You can change actions by tapping items under **Pen button** or **Gestures**.

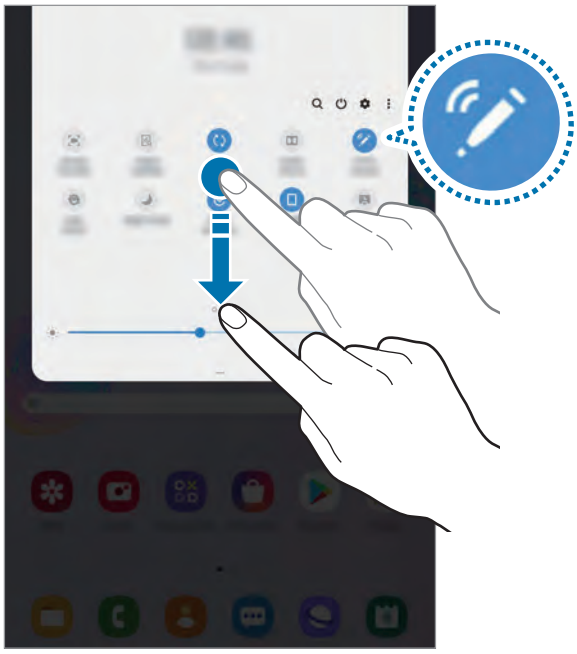


Connecting another S Pen

Before using S Pen features with another S Pen, such as Air action, you must connect the S Pen to your device.

1 Attach the S Pen to the S Pen's charging groove.

2 Open the notification panel, tap (**S Pen remote**), and then tap again to reactivate it.



3 Tap **Connect new S Pen**.

S Pen will be connected. You may experience a brief delay before it finishes connecting.

- You can only connect Samsung-approved S Pens that support Bluetooth Low Energy (BLE).
- Do not detach the S Pen from the device when it is being connected. Doing so will interrupt the process.
- If it fails to connect or you want to use the previous S Pen, reconnect it with the method shown above.

Resetting your S Pen

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

Attach the S Pen to the S Pen's charging groove. Then, open the Air action setting screen and tap ⋮ → **Reset S Pen**.

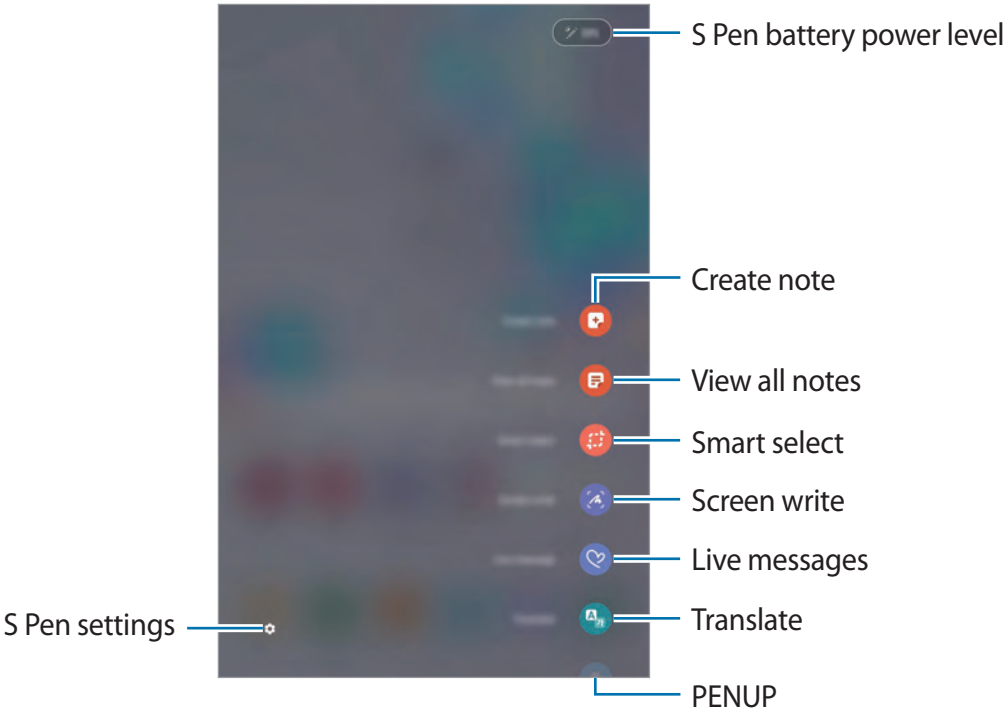
Air command

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.

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



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 messages**: Instead of text message, create and send a unique message by recording your actions while handwriting or drawing a live message and saving it as an animated file. Refer to Live messages for more information.
- **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.
- **Bixby Vision**: Use the Bixby Vision features to search for similar images, detect and translate text, and more. Refer to Bixby Vision for more information.
- **Magnify**: Hover the S Pen over an area of the screen to enlarge it. Refer to Magnify for more information.
- **Glance**: Reduce an app to a thumbnail and hover the S Pen over the thumbnail to open the app in full screen view. Refer to Glance for more information.
- **Colouring**: Add colours to images provided by PENUP using the S Pen.
- **Write on calendar**: Launch the **Calendar** app and write or draw on the screen. Refer to Write on calendar for more information.
- **AR Doodle**: Record fun videos with virtual handwriting or drawings on faces. Refer to AR Doodle 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.

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

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.

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

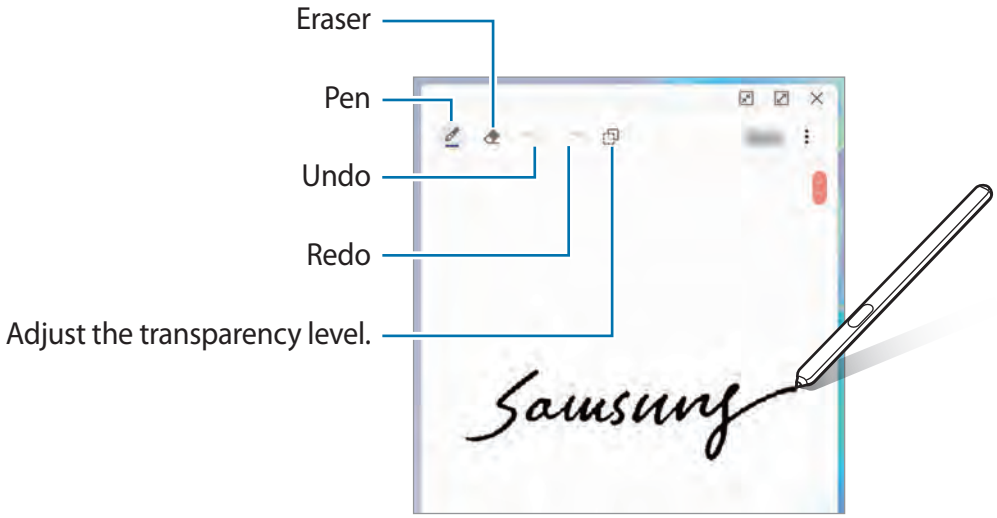
Create note

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**.

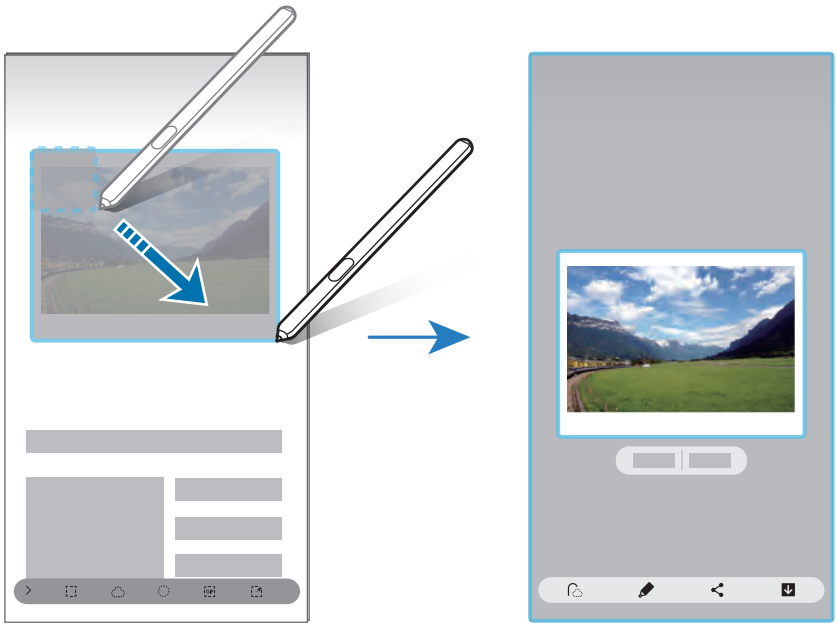
Smart select

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.

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



3 Select an option to use with the selected area.

- **Extract text**: Extract text from the selected area.
- **Pin to screen**: Pin the selected area to the screen.
- : Automatically changes the appearance of the selected area.
- : Write or draw on the selected area.
- : Share the selected area with others.
- : Save the selected area in **Gallery**.

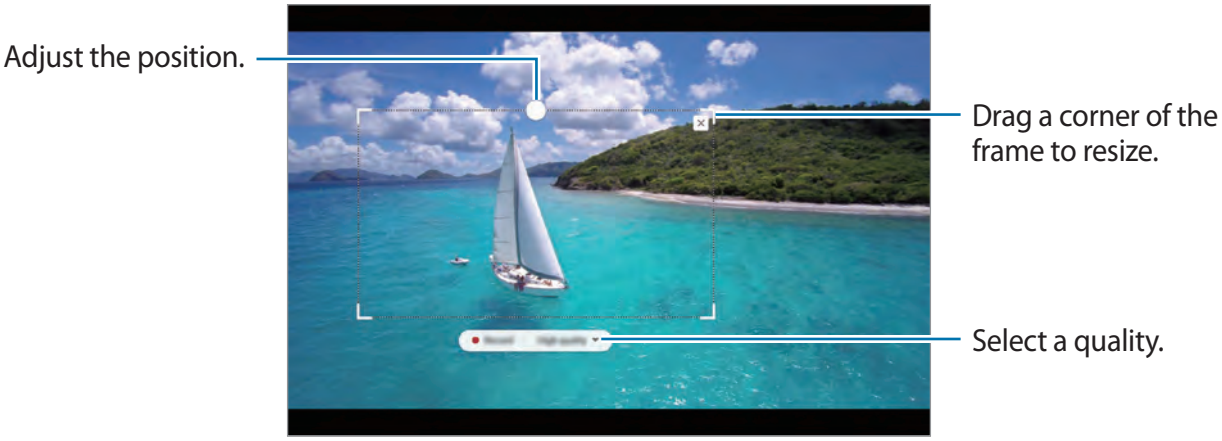
Capturing an area from a video

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

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.

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

Screen write

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

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.

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

Live messages

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.

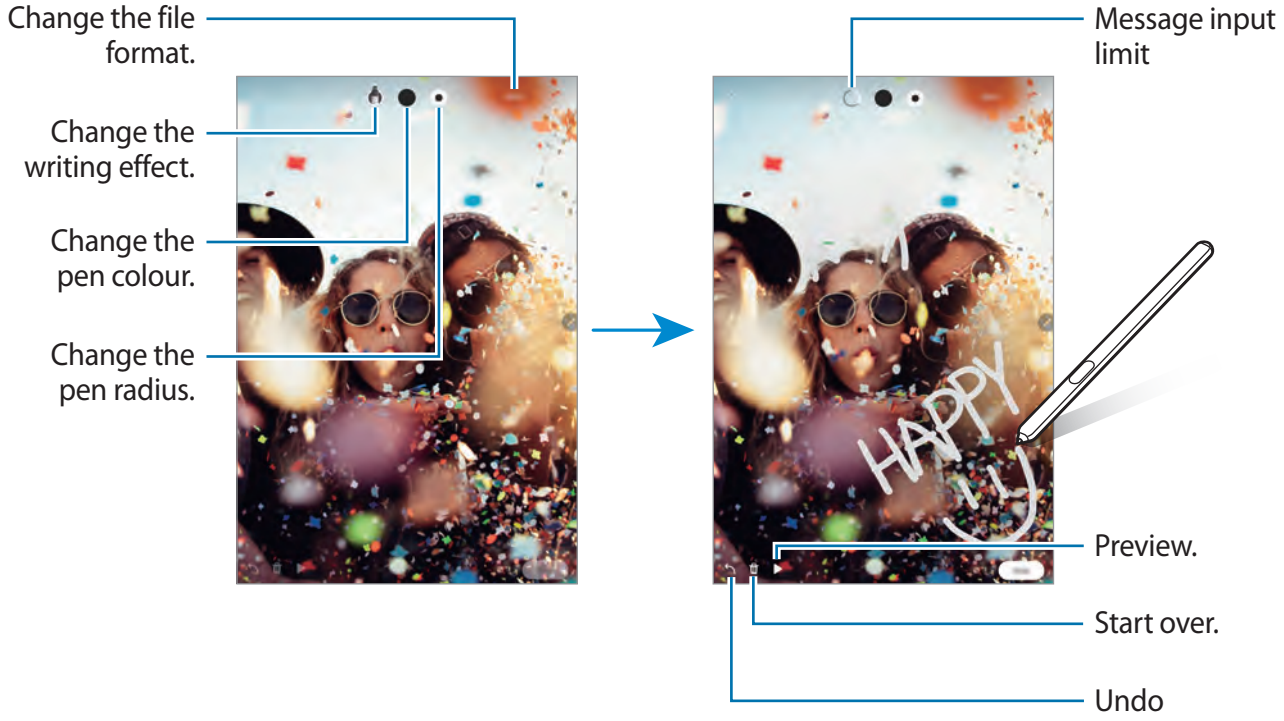
1 When you want to send an animated message while composing a message, open the Air command panel and tap **Live messages**.

The live message window will appear.

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

- **Gallery**: Set a photo or a video saved in **Gallery** as a background image.
- **Camera**: Take a photo or record a video and set it as a background image.
- **Colour**: Select a background colour.

3 Write or draw on the live message screen.



4 Tap **Done**.

The live message will be saved in **Gallery** as an animated GIF file or a video.

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

Translate

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

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

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

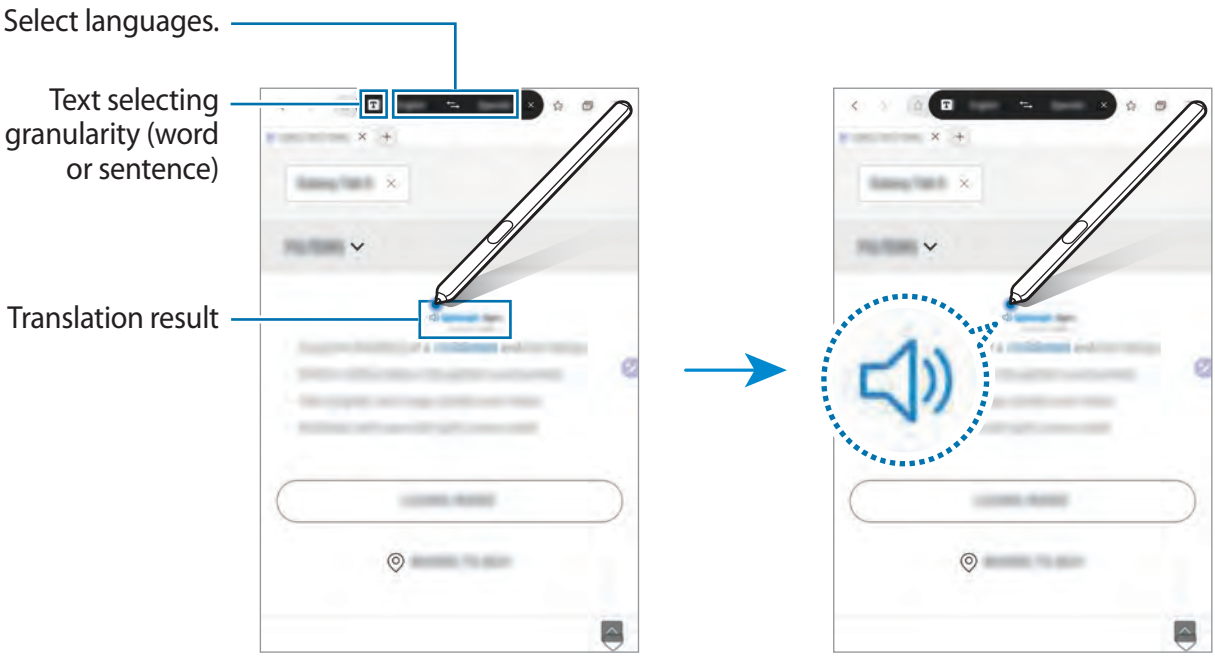
2 Select the languages on the translator panel at the top of the screen.

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

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

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

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



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

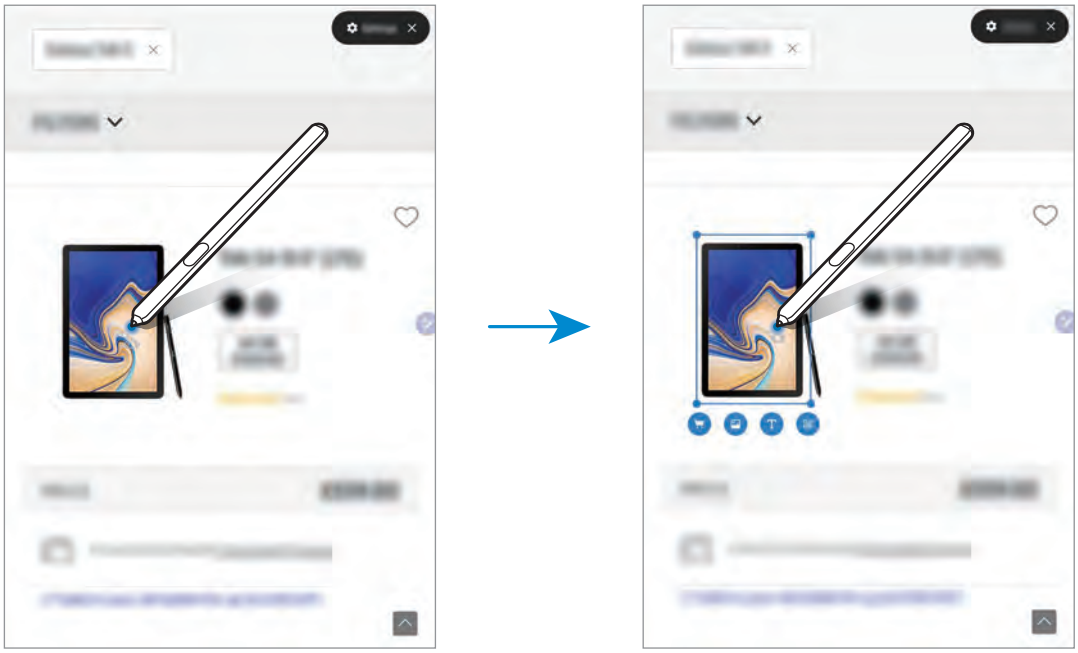
Bixby Vision

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

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

2 Hover the S Pen over the content you want.

When the content is recognised, the available search icons will appear.



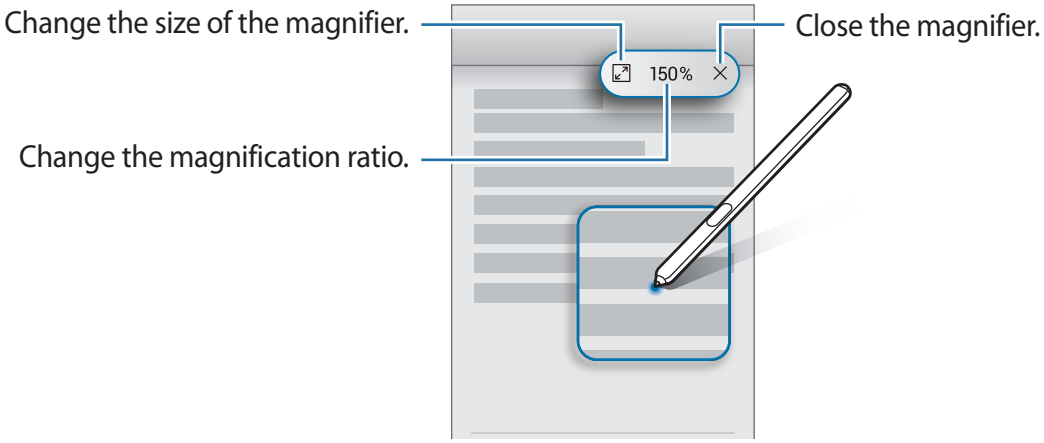
3 Select an icon you want.

4 To close Bixby Vision, tap ✕ on the Bixby Vision panel.

Magnify

Hover the S Pen over an area of the screen to enlarge it.

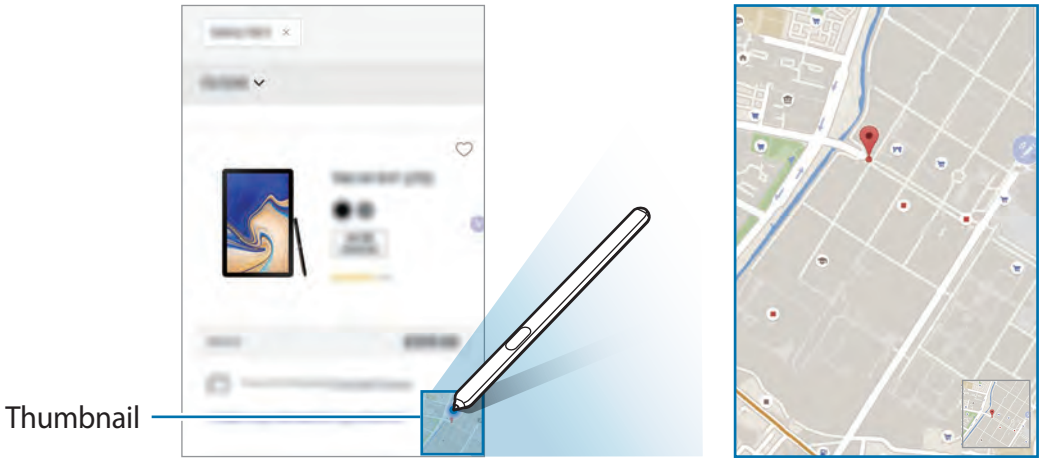
Open the Air command panel, tap **Magnify**, and hover the S Pen over the area you want to enlarge.



Glance

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

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



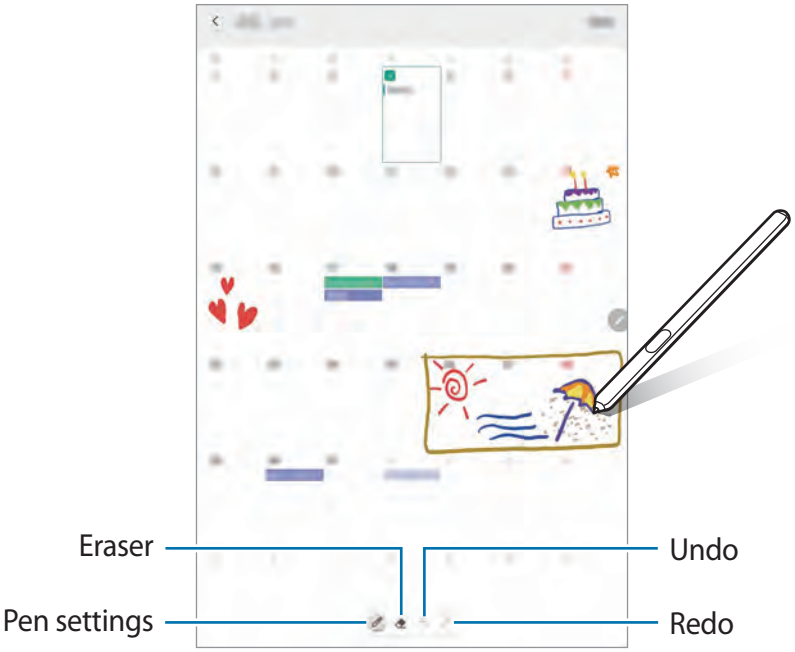
Hover the S Pen away from the screen to reduce the app to a thumbnail again.

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

Write on calendar

Mark your schedules easily and quickly by writing or drawing on the calendar screen. You can view and manage your schedules on the calendar screen.

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

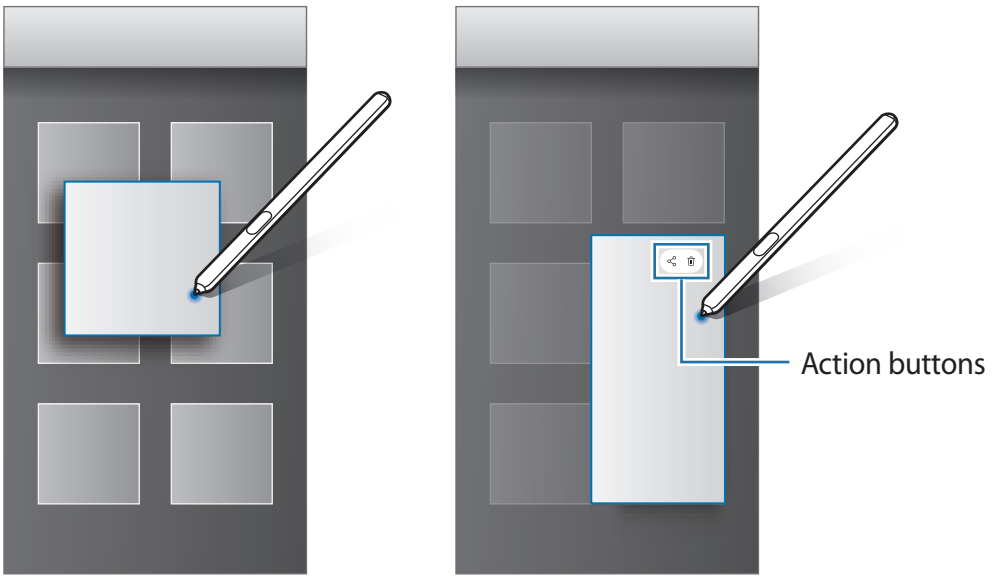


You can use this feature only on the calendar of monthly view.

Air view

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

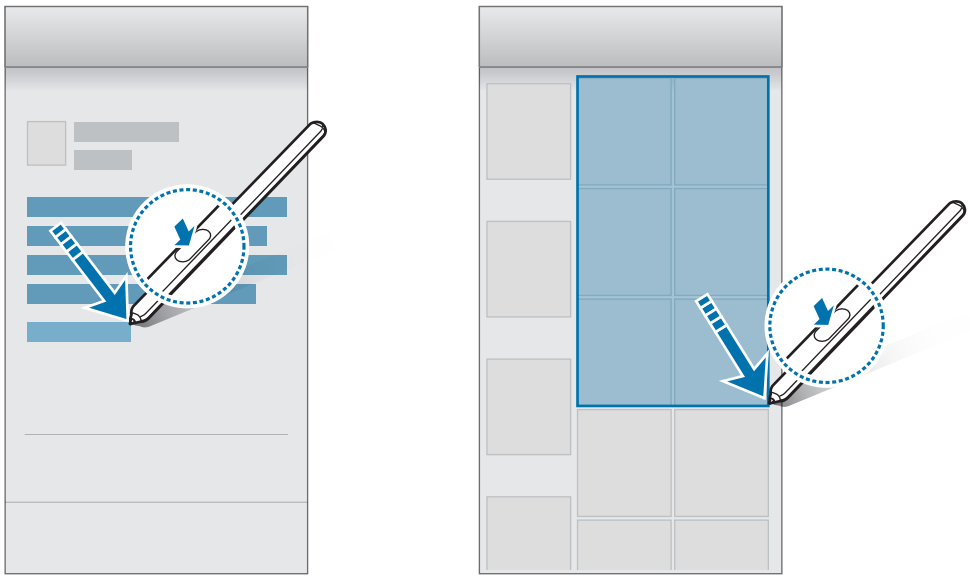
In some apps, Action buttons will be displayed on the preview window.



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, detach the S Pen or tap the screen with the S Pen while pressing and holding the S Pen button.

2 Write or draw a memo.

To extend the page, tap ⌄.

To save the memo, tap **Save** or reattach the S Pen to the S Pen's charging groove. The memo will be saved to **Samsung Notes** → ☰ → **Screen off memo**.

Unlocking the screen using the S Pen

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

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

1 Launch the **Settings** app and tap **Advanced features** → **S Pen** → **Unlock with S Pen remote**.

2 Tap **Unlock with S Pen remote** → **OK**.

3 Unlock the screen using the preset screen lock method.

Now you can unlock the screen by pressing the S Pen button.

Bixby

Introduction

Bixby is a user interface that helps you use your device more conveniently.

You can talk to Bixby or type text. Bixby will launch a function you request or show the information you want. It also learns your usage patterns and environments. The more it learns about you, the more precisely it will understand you.

- To use Bixby, your device must be connected to a Wi-Fi or mobile network.
- To use Bixby, you must sign in to your Samsung account.
- Bixby is only available in some languages, and certain features may not be available depending on your region.

Starting Bixby

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

1 Press and hold the Side key. Alternatively, launch the **Bixby** app.

2 Select the language to use with Bixby.

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

If you are already signed in, your account information will appear on the screen.

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

The Bixby screen will appear.

Changing how the Bixby screen is opened

You can set the device to open the Bixby screen when you press the Side key twice.

Launch the **Settings** app and tap **Advanced features** → **Side key** → **Open Bixby**.

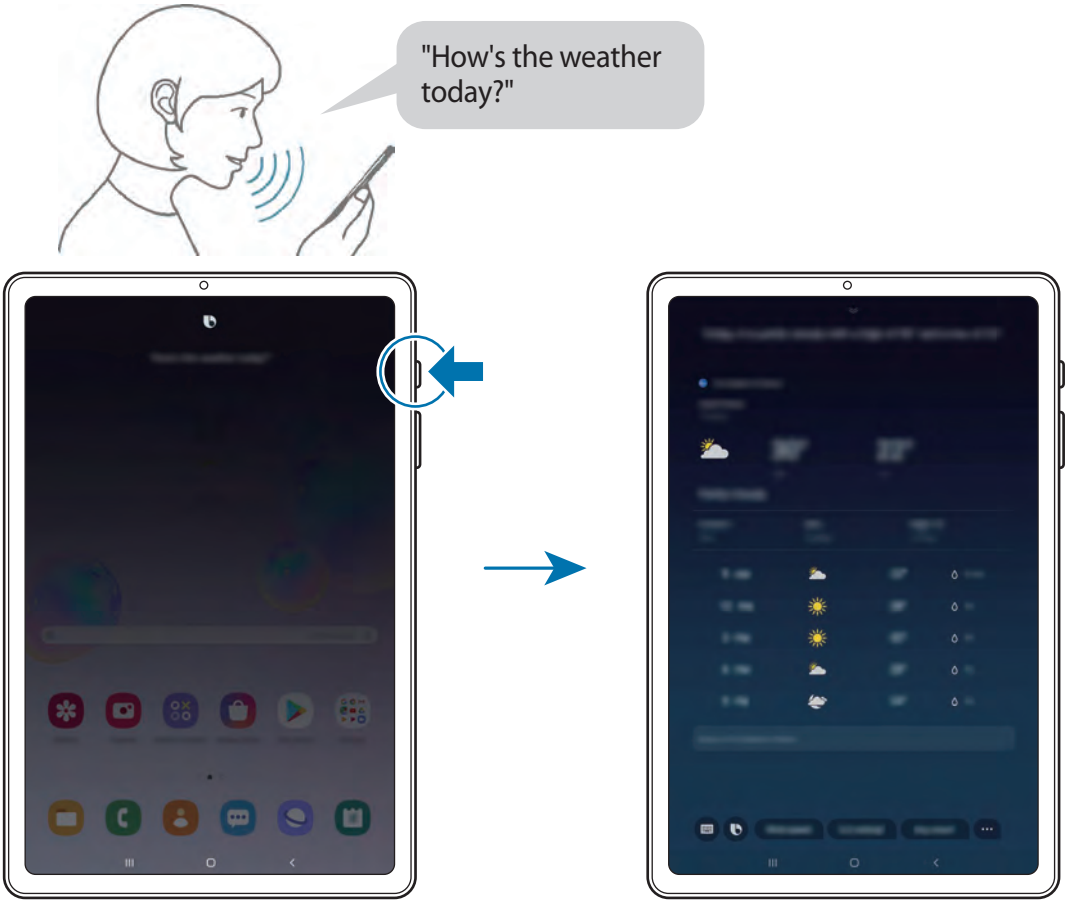
Using Bixby

When you say what you want to Bixby, Bixby will launch corresponding functions or show the information you requested.

While pressing and holding the Side key, say what you want to Bixby, and release your finger from the key when you are finished speaking. Alternatively, say “Hi, Bixby”, and when the device emits a sound, say what you want.

For example, while pressing and holding the Side key, say “How’s the weather today?” The weather information will appear on the screen.

If you want to know the weather tomorrow, while pressing and holding the Side key, just say “Tomorrow?” Because Bixby understands the context of the conversation, it will show you tomorrow’s weather.



Listening

Corresponding function launched

If Bixby asks you a question during a conversation, while pressing and holding the Side key, answer Bixby. Or, tap and answer Bixby.

If you are using headphones or Bluetooth audio, or start a conversation by saying "Hi, Bixby", you can continue the conversation without tapping the icon. Launch the **Bixby** app and tap → **Settings** → **Automatic listening** → **Hands-free only**.

Waking up Bixby using your voice

You can start a conversation with Bixby by saying "Hi, Bixby". Register your voice so that Bixby will respond to your voice when you say "Hi, Bixby".

1 Launch the **Bixby** app and tap → **Settings** → **Voice wake-up**.

2 Tap the **Wake with "Hi, Bixby"** switch to activate it.

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

Now you can say "Hi, Bixby", and when the device emits a sound, start a conversation.

Communicating by typing text

If your voice is not recognised due to noisy environments or if you are in a situation where speaking is difficult, you can communicate with Bixby via text.

Launch the **Bixby** app, tap , and then type what you want.

During the communication, Bixby also will answer you through text instead of voice feedback.

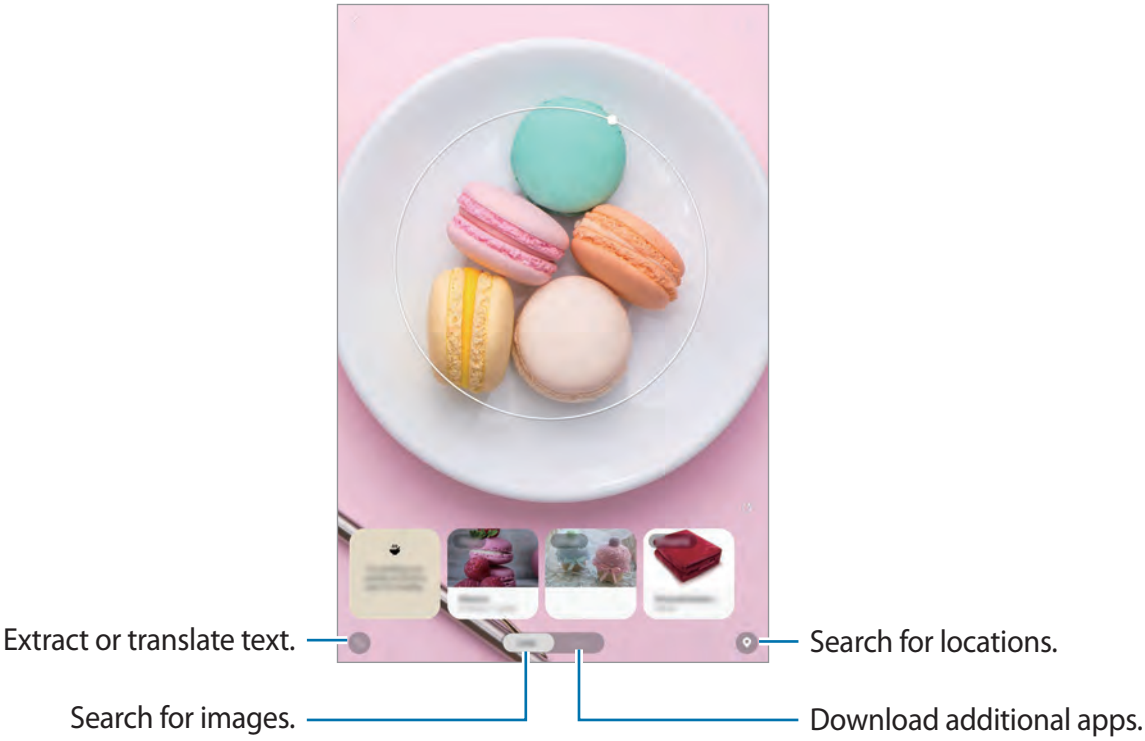
Bixby Vision

Introduction

Bixby Vision is a service that provides various features based on image recognition.

You can use Bixby Vision to quickly search for information by recognising objects or your current location.

Use a variety of useful Bixby Vision features.



- To use this feature, the device must be connected to a Wi-Fi or mobile network.
- To use some Bixby Vision features, you must 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

Launch Bixby Vision using one of these methods.

- In the **Camera** app, tap **Bixby Vision**.
- In the **Gallery** app, select an image and tap ⊙.
- In the **Internet** app, tap and hold an image and tap **Bixby Vision**.
- If you added the Bixby Vision app icon to the Home screen and Apps screen, launch the **Bixby Vision** app.

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 Launch the **Camera** app and tap **Bixby Vision**.

2 Tap **Lens** and keep the object within the screen to recognise it.

3 Select a search result with **Image** on it.

The similar images will appear.

Translating or extracting text

Recognise and show the translated text on the screen. You can also extract text from a document or an image 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 Launch the **Camera** app and tap **Bixby Vision**.

2 Tap 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 save the screen with the translated text as an image, tap . The screen will be saved in **Gallery**.
- To change the source or target language, tap the language settings panel at the top of the screen.

Searching for places

Search for information about nearby places by recognising your current location. You can also view deals available nearby.

For example, if you want to search for nearby stores having sales, use the Bixby Vision features. The device will search for and show you the sales happening in the nearby stores.

1 Launch the **Camera** app and tap **Bixby Vision**.

2 Tap and point the camera towards the direction you want to search for places.

You can view basic information about nearby places.

- If you want to search for places in another direction, point the camera towards the direction.
- 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 Select a search result on the screen.

The device will show the information of nearby places and deals.

Bixby Home

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

- To view more content, connect to a Wi-Fi or mobile network.
- To fully use this feature, you must sign in to your Samsung account.

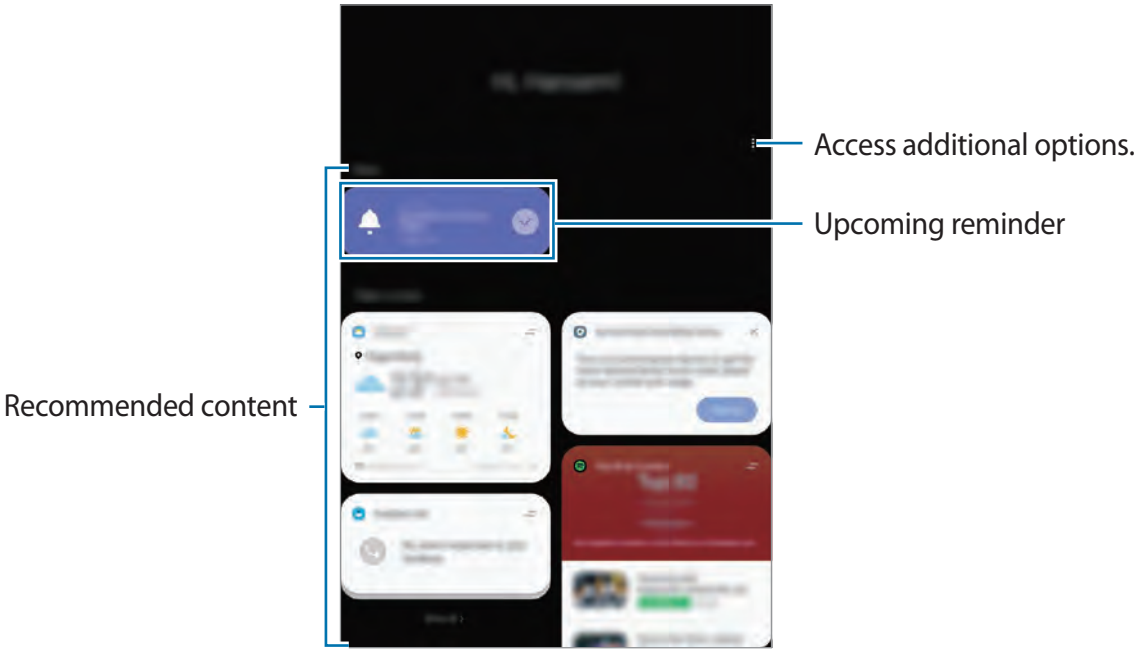
Opening Bixby Home

1 On the Home screen, swipe to the right.

The Bixby Home screen will appear.

When launching this feature for the first time or after performing a data reset, follow the on-screen instructions to complete the setup.

2 Swipe upwards or downwards to view recommended content.



3 To close Bixby Home, swipe to the left on the screen or tap the Back button.

Using recommended content on Bixby Home

When you open Bixby Home, you can view the content that is frequently updated as cards. Swipe upwards or downwards to view the 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. In the evening, you can view alarms, check your daily activity, and view your friends' feeds.

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

Editing 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 stop displaying a card on the list, drag the card to the right and tap **Don't show again**.
- To hide a card from the list, drag the card to the right and tap **Hide for now**.

Selecting apps to show as cards

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

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

Customising the Bixby Home settings

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

- **Customisation Service**: Set to use Bixby's interactive and customised services to enhance your experience.
- **Bixby Home content providers**: Read and agree to or withdraw your agreement from the terms and conditions and privacy policies of each content provider.
- **About Bixby Home**: View the Bixby Home version and legal information.

Bixby Routines

Bixby Routines are a service that automates settings you use repeatedly and suggests useful features according to your frequent situations by learning your usage patterns.

For example, a 'before bed' routine that reflects your sleep patterns will turn on the blue light filter and adjust the screen brightness for your comfort when you go to bed.

Adding routines

Add routines to use your device more conveniently. When you add a routine, you can set its running condition to auto or manual.

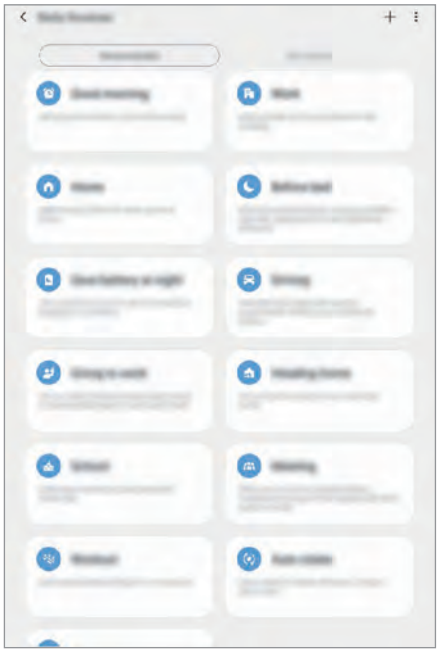
Adding recommended routines

When your device learns your usage patterns, it will recommend adding useful or frequently used features as routines.

When the recommendation notification appears, tap **View all** and add it as your own routine.

Adding routines from the recommendation list

View the list of useful features and add them as your own routines.



1 On the Settings screen, tap **Advanced features** → **Bixby Routines**.

2 On the **Recommended** list, select a routine you want and tap **Save routine**.

- To set the routine's conditions and actions, tap ✎. Alternatively, tap the condition or action you want to edit.
- If you want to set the routine's running condition to manual, tap **Start button tapped**. This option will appear only when there are no running conditions set.

  For manual routines, you can add them to the Home screen as widgets and access them quickly. When a pop-up window appears, tap **Add**.

Adding your own routines

Add features you want to use as routines.

1 On the Settings screen, tap **Advanced features** → **Bixby Routines** → +.

2 Enter a routine name.

3 Tap +, set conditions, and then tap **Next**.

If you want to set the routine's running condition to manual, tap **Start button tapped**.

4 Tap +, set actions, and then tap **Done**.

For manual routines, you can add them to the Home screen as widgets and access them quickly. When a pop-up windows appears, tap **Add**.

Using routines

Running auto routines

Auto routines will run automatically when their conditions are detected.

Running manual routines

For manual routines which you set the running condition as **Start button tapped**, you can run them manually by tapping the button whenever you want.

On the Settings screen, tap **Advanced features** → **Bixby Routines** → **My routines** and tap ▶ next to the routine you want to run. Alternatively, tap the routine's widget on the Home screen.

Viewing running routines

Currently running routines will appear on the notification panel. To view a routine's details, tap the notification.

Stopping running routines

You can quickly stop running routines. On the notification panel, select a routine and tap **Stop**.

Managing routines

On the Settings screen, tap **Advanced features** → **Bixby Routines** → **My routines**. Your routines will appear.

To deactivate a routine, tap the routine's switch or ⏸.

To edit a routine, select a routine and tap ✎. Alternatively, tap the condition or action you want to edit.

To delete routines, tap ⋮ → **Delete**, tick routines to delete, and then tap **Delete**.

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 or mobile network.
- To fully use this feature, you must sign in to your Samsung account.
- To use location reminders, the GPS feature must be activated.

Starting Reminder

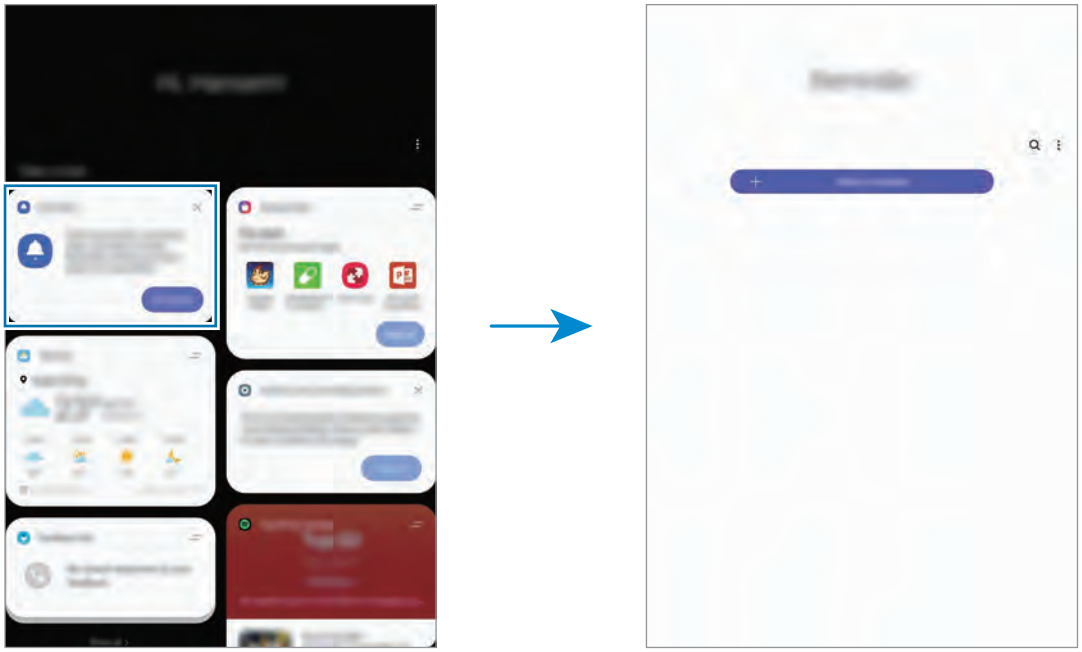
Starting Reminder from Bixby Home

1 On the Home screen, swipe to the right.

The Bixby Home screen will appear.

2 Tap **Get started** on the **Reminder** card.

The Reminder screen will appear and the **Reminder** app icon ( ) will be added to the Apps screen.



Starting Reminder from Calendar

Launch the **Calendar** app and tap ☰ → **Reminder**. The Reminder screen will appear and the **Reminder** app icon ( ) will be added to the Apps 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.

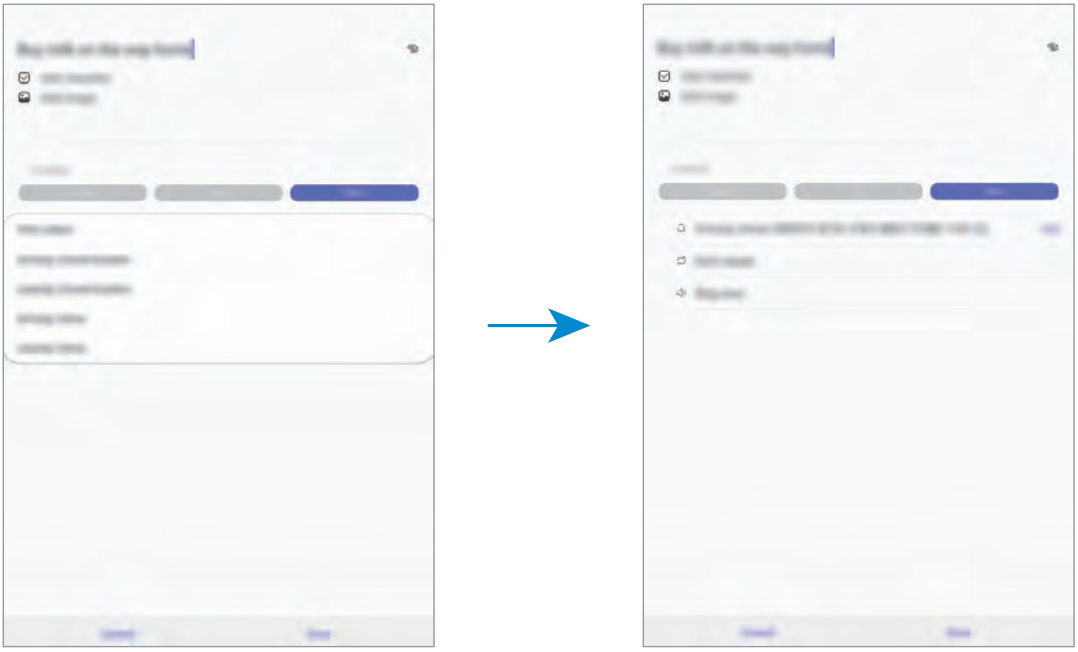
For example, create a reminder to alert you to 'Water the flowers when I get home'.

1 Launch the **Reminder** app.

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

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

4 Tap **When I arrive at** → **Done**.

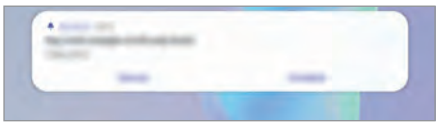


5 Tap **Save** to save the reminder.

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

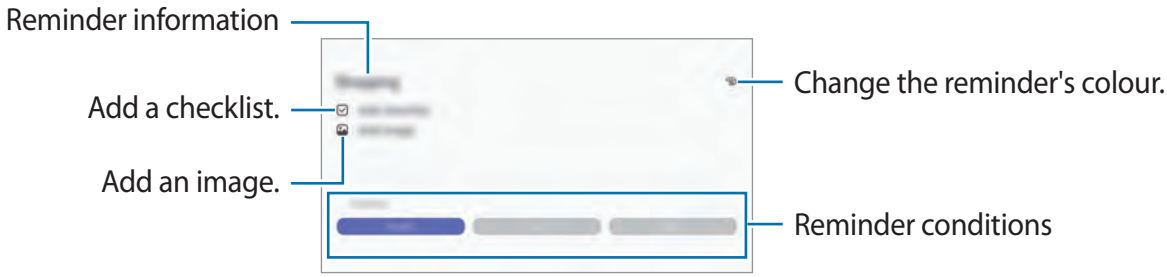
Launch the **Reminder** app to view your reminders list. To view reminder details, select a reminder.

Editing reminder details

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

1 On the reminders list, select a reminder to edit 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, drag the reminder to the left.

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, drag the reminder to the right. To delete multiple reminders, tap and hold a reminder, tick reminders to delete, and then tap **Delete**.

Phone (SM-T860, SM-T865)

Introduction

Make or answer voice and video calls.

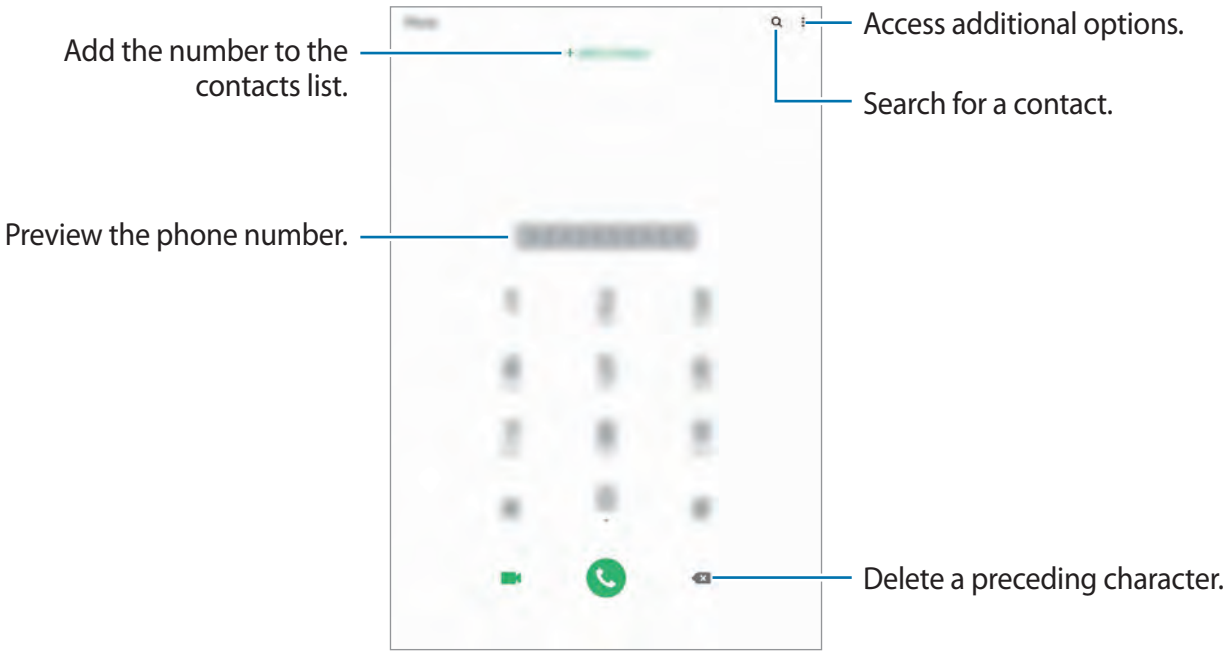
- To make a call and send a text message, launch the **Settings** app, tap **Advanced features**, and then tap the **Call & text on other devices** switch to activate it. You must register and sign in to the same Samsung account on your device and the other device.
- You can select the call and text method. Select a SIM card or your connected device using the same Samsung account.

Making calls

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

2 Enter a phone number.

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



Making calls from call logs or contacts list

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

If this feature is deactivated, launch the **Settings** app, tap **Advanced features** → **Motions and gestures**, and then tap the **Swipe to call or send messages** switch to activate it.

Using speed dial

Set speed dial numbers to quickly make calls.

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

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

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

Making calls from the locked screen

On the locked screen, drag outside the circle.

Making calls by searching for nearby places

You can easily make calls to places near your current location by searching for their information. You can search for nearby places by category, such as restaurants or stores, or by selecting recommended hot places.

Launch the **Phone** app, tap **Places**, and then select a category or tap and enter a business name in the search field. Or, select one from the recommended hot places. The business's information, such as its phone number or address, will appear.

Making an international call

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

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

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

Receiving calls

Answering a call

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

Rejecting a call

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

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

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

Missed calls

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

Blocking phone numbers

Block calls from specific numbers added to your block list.

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

2 Tap **Recents** or **Contacts**, select contacts or phone numbers, and then tap **Done**.

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

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

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

Options during calls

During a voice call

The following actions are available:

- ⋮: Access additional options.
- **Add call**: Dial a second call. The first call will be put on hold. When you end the second call, the first call will be resumed.
- **Hold call**: Hold a call. Tap **Resume call** to retrieve the held call.
- **Bluetooth**: Switch to a Bluetooth headset if it is connected to the device.
- **Speaker**: Activate or deactivate the speakerphone. When using the speakerphone, keep the device away from your ears.
- **Mute**: Turn off the microphone so that the other party cannot hear you.
- **Keypad** / **Hide**: Open or close the keypad.
- : End the current call.

During a video call

Tap the screen to use the following options:

- ⋮: Access additional options.
- **Camera**: Turn off the camera so that the other party cannot see you.
- **Switch**: Switch between the front and rear cameras.
- : End the current call.
- **Mute**: Turn off the microphone so that the other party cannot hear you.
- **Speaker**: Activate or deactivate the speakerphone. When using the speakerphone, keep the device away from your ears.

Adding a phone number to Contacts

Adding a phone number to Contacts from the keypad

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

2 Enter the number.

3 Tap **Add to Contacts**.

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

Adding a phone number to Contacts from the calls list

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

2 Tap a phone number and tap **Add**.

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

Adding a tag to a phone number

You can add tags to numbers without saving them to Contacts. This allows you to view the caller's information when they call without having them listed in Contacts.

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

2 Tap a phone number.

3 Tap **Add tag**, enter a tag, and then tap **Add**.

When a call comes from that number, the tag will show under the number.

Contacts

Introduction

Create new contacts or manage contacts on the device.

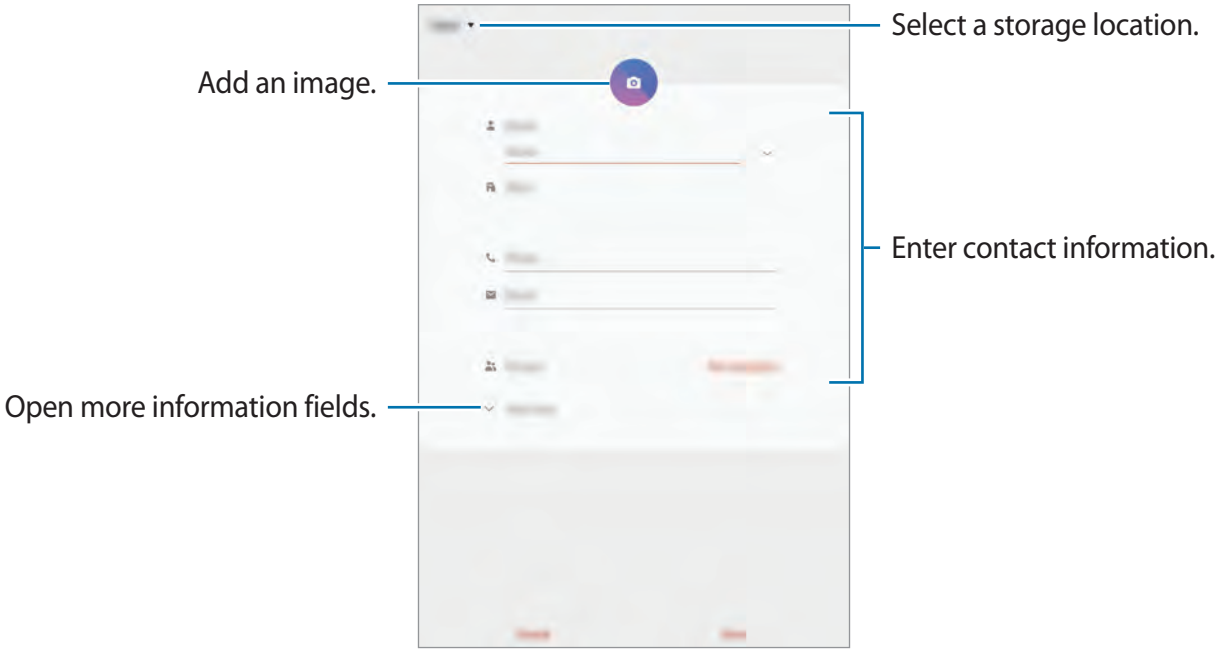
Adding contacts

Creating a new contact

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

2 Select a storage location and tap **Select**.

3 Enter contact information.



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

4 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**.

Syncing contacts with your web accounts

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

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

2 Tap **Sync account** and tap the **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 right side of the contacts list to scroll through it quickly.
- Tap 🔍 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.
- / : Make a voice or video call. (SM-T865, SM-T860)
- : Compose a message.
- : Compose an email.

Sharing contacts

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

1 Launch the **Contacts** app, tap ⋮ at the top of the contacts list, and then tap **Share**.

2 Select contacts and tap **Share**.

3 Select a sharing method.

Saving and sharing profile (SM-T865)

Save and share your profile information, such as your photo and status message, with others using the profile sharing feature.

- To use this feature, you must sign in to your Samsung account.
- The profile sharing feature may not be available depending on the region or service provider.
- The profile sharing feature is only available for contacts who have activated the profile sharing feature on their device.

1 Launch the **Contacts** app and select your profile.

2 Tap **Tap here to share your profile** and tap the switch to activate it.

- To use the profile sharing feature, your phone number must be verified. You can view your contacts' updated profile information in **Contacts**.
- To change the scope of contacts to share your profile with, tap **Select what's shared**, select an item to share, and then select an option.

Creating groups

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

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

2 Enter a group name.

To set a group ringtone, tap **Group ringtone** and select a ringtone. (SM-T865, SM-T860)

3 Tap **Add member**, select contacts to add to the group, and then tap **Done**.

4 Tap **Save**.

Sending a group message

You can send a group message to a group's members at the same time.

Launch the **Contacts** app, tap ☰ → **Groups**, and then select a group. Tap ⋮ at the top of the contacts list and tap **Send message**.

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, tap ⋮ at the top of the contacts list, and then tap **Delete**.

2 Select contacts and tap **Delete**.

To delete contacts one by one, tap a contact. Then tap ⋮ → **Delete**.

Messages

Introduction

Send and view messages by conversation.

- To make a call and send a text message, launch the **Settings** app, tap **Advanced features**, and then tap the **Call & text on other devices** switch to activate it. You must register and sign in to the same Samsung account on your device and the other device.
- You can select the call and text method. Select a SIM card or your connected device using the same Samsung account.

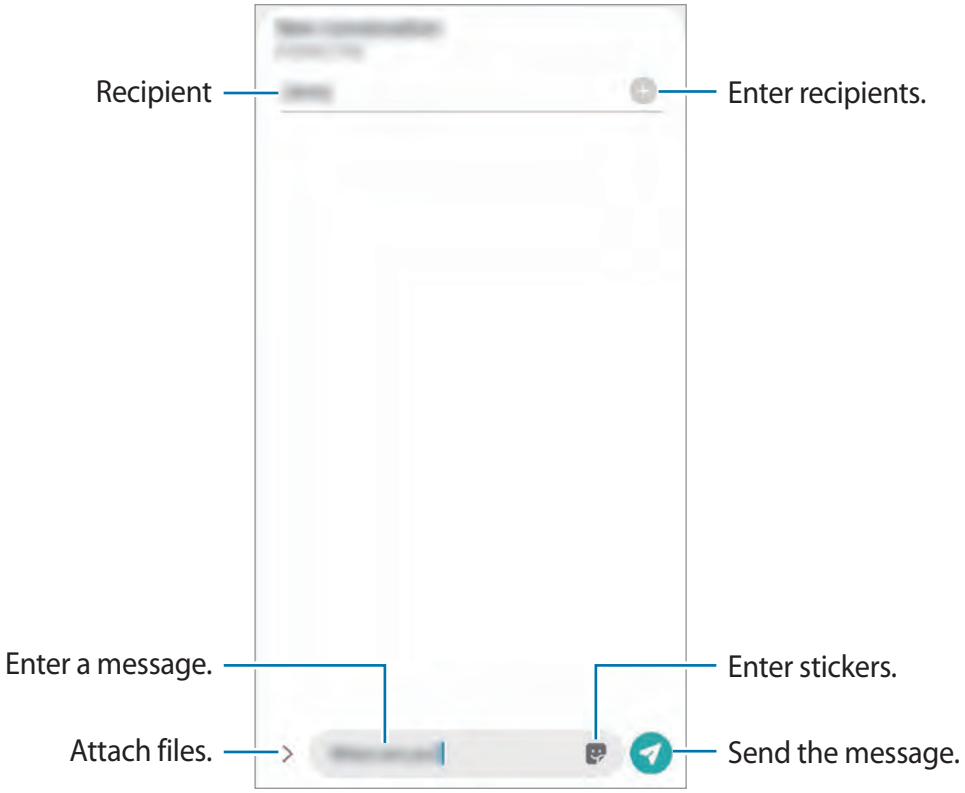
Sending messages

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

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

2 Add recipients and enter a message.

To record and send a voice message, tap and hold , say your message, and then release your finger. The recording icon appears only before entering a message.



3 Tap to send the message.

Viewing messages

Messages are grouped into message threads by contact.

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

1 Launch the **Messages** app.

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

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

Blocking unwanted messages

Block messages from specific numbers added to your block list.

1 Launch the **Messages** app, tap ⋮ at the top of the messages list, and then tap **Settings** → **Block numbers and messages** → **Block numbers**.

2 Tap **Inbox** and select a contact or a phone number. Or, tap **Contacts**, select contacts, and then tap **Done**.

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

Setting the message notification

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

1 Launch the **Messages** app, tap ⋮ at the top of the messages list, tap **Settings** → **Notifications**, and then tap the switch to activate it.

2 Change the notification settings.

Setting a message reminder

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

Deleting messages

1 Launch the **Messages** app.

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

3 Tap and hold a message, then tap **Delete**.

To delete multiple messages, tick messages you want to delete.

4 Tap **Delete**.

Internet

Introduction

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

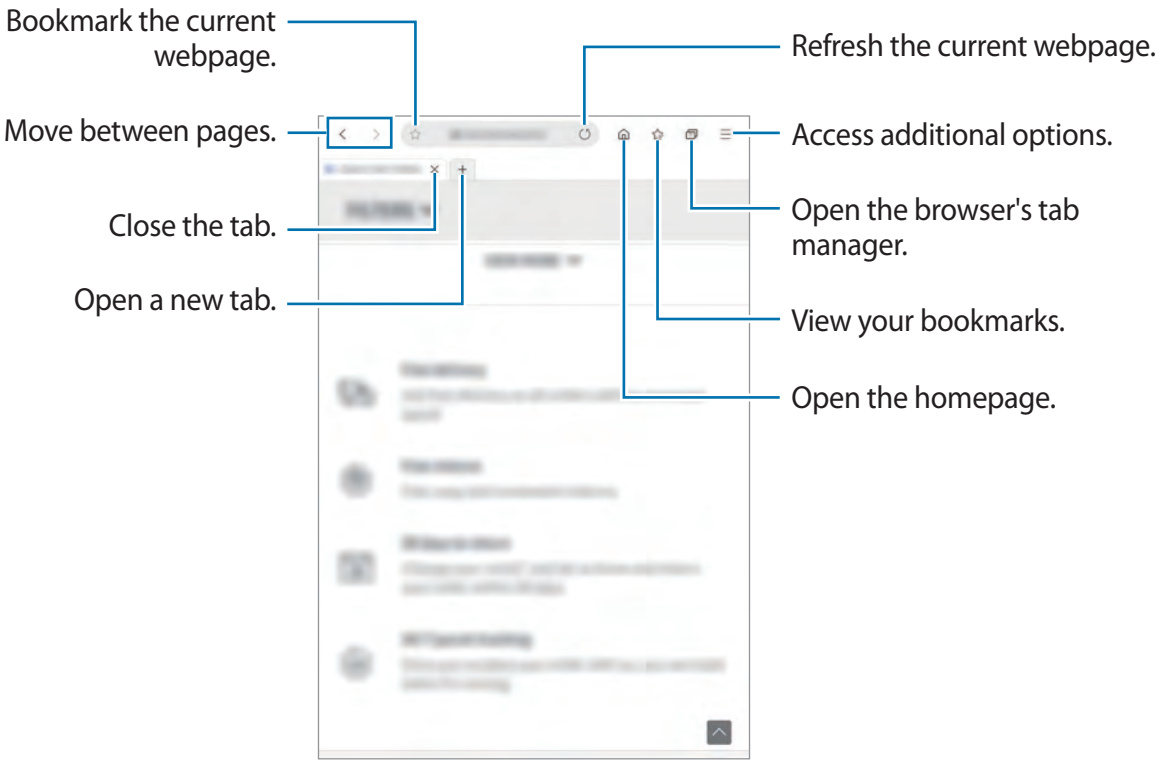
Browsing webpages

1 Launch the **Internet** app.

2 Tap the address field.

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

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



Using secret mode

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

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, the device will change the colour of the toolbars.

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

Changing security settings

You can change your password.

Tap ☰ → **Settings** → **Privacy and security** → **Secret mode settings** → **Change password**.

To use your registered biometric data as a lock method along with the password, tap an option switch under **Biometrics** to activate it.

Deactivating secret mode

Tap ☰ → **Turn off Secret mode**.

Camera

Introduction

Take photos and record videos using various modes and settings.

Launch the **Camera** app.

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.

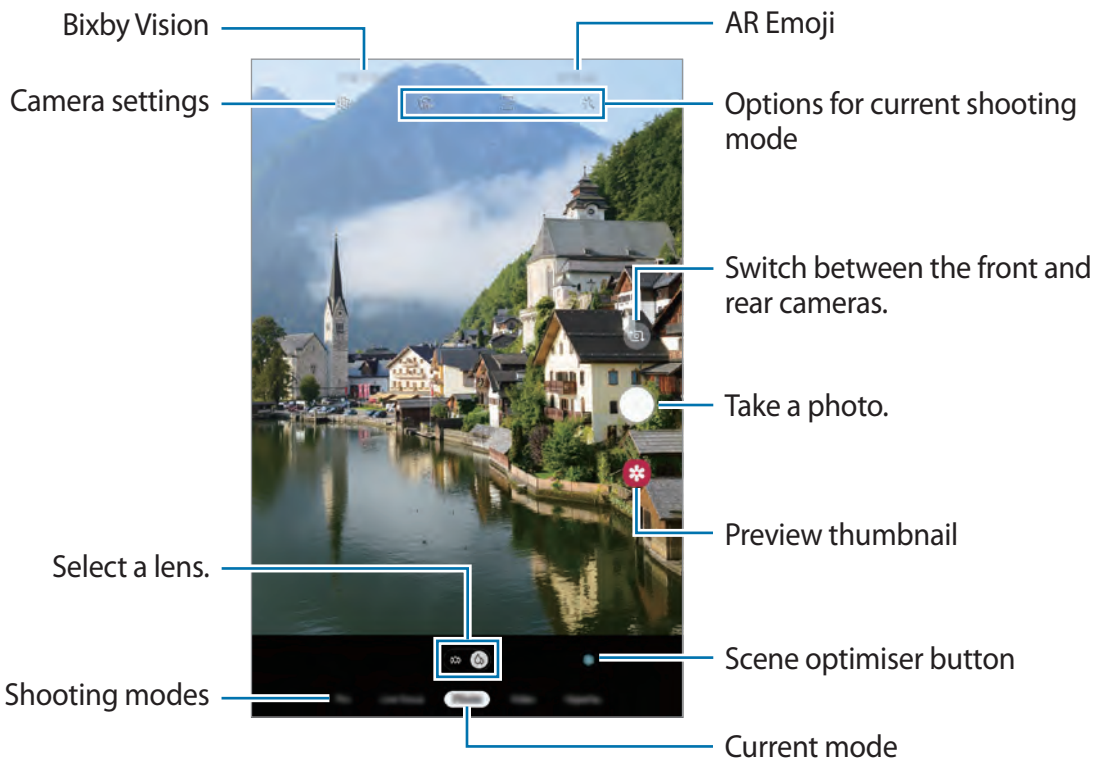
- Some camera features are not available when you launch the **Camera** app from the locked screen while the screen lock method is set.
- If photos you take appear blurry, clean the camera lens and try again.

Taking photos

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

- Spread two fingers apart on the screen to zoom in, and pinch to zoom out. Alternatively, drag the lens selection icon to the left or right. Zooming features are available only when using the rear camera.
- To adjust the brightness of photos, tap the screen. When the adjustment bar appears, drag on the adjustment bar towards + or —.

2 Tap ◯ to take a photo.



- 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.

Locking the focus (AF) and exposure (AE)

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

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 **Pro** modes.

Selecting a lens for shooting

On the preview screen, tap **Photo**, **Video** or **Panorama**, select the lens you want, and then take a photo or record a video.

- : The Ultra wide lens lets you take wide-angle photos or record wide-angle videos which look just like the actual view. Use this feature to take landscape photos.

  To correct the distortion in photos taken with the Ultra wide lens, tap on the preview screen, tap **Save options**, and then tap the **Ultra wide lens correction** switch to activate it.
- : The wide-angle lens lets you take basic photos or record normal videos.

Ultra wide shooting

Basic shooting

Photo mode (Intelligent camera)

The camera adjusts the shooting options automatically depending on the surroundings to capture photos easily. The intelligent camera feature automatically recognises the subject and optimises the colour and any effects.

On the shooting modes list, tap **Photo** and tap ◯ to take a photo.

Scene optimiser

The camera adjusts the colour settings and applies the optimised effect automatically by recognising the subject.

On the shooting modes list, tap **Photo**. When the camera recognises the subject, the scene optimiser button will change and the optimised colour and effect will be applied.

- If this feature is not activated, tap ⚙ on the preview screen and tap the **Scene optimiser** switch to activate it.
- If you do not want to use this feature, tap the **Scene optimiser** button on the preview screen.

Shot suggestions

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

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

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

A guide will appear on the preview screen.

2 Point the subject with the guide on the preview screen.

The camera recognises the composition, and the recommended composition appears on the preview screen.

3 Adjust the position and angle of the camera to fit the composition.

When the ideal composition is achieved, the guide will change to yellow.

4 Tap ◯ to take a photo.

Taking selfies

You can take self-portraits with the front camera.

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

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

3 Face the front camera lens.

To take self-portraits with a wide-angle shot of the landscape or people, tap .

4 Tap to take a photo.

Applying filter and beauty effects

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

1 On the preview screen, tap .

2 Select a filter effect or beauty effects and take a photo.

Video mode

The camera adjusts the shooting options automatically depending on the surroundings to record videos easily.

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

2 Tap to record a video.

- 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-L to cancel the manually set focus.

3 Tap to stop recording the video.

Changing the screen ratio for a video

On the preview screen, tap 9:16 and select a screen ratio.

Live focus mode

The camera allows you to take photos where the background is blurred and the subject stands out clearly. You can also apply a background effect and edit it after taking a photo.

Blur

Spin

Zoom

Colour point

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

Taking portraits that stand out using the Live focus feature

1 On the shooting modes list, tap **Live focus**.

2 Select a background effect you want.

To adjust the intensity of the background effect, drag the adjustment bar to the left or right.

3 When **Effect ready.** appears on the preview screen, tap ◯ to take a photo.

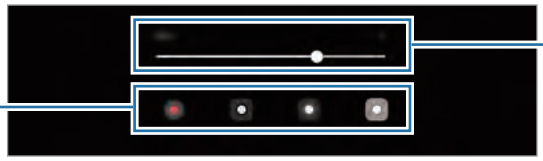
Editing the background of the Live focus photos

You can also edit the background effect and the intensity of the background effect for a photo taken with the Live focus feature.

1 Select a photo taken with the Live focus feature and tap **Change background effect**.

2 Select a background effect you want.

To adjust the intensity of the background effect, drag the adjustment bar to the left or right.

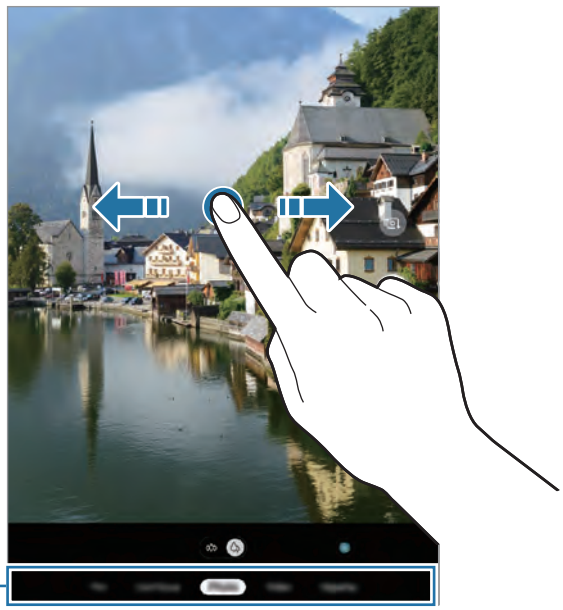


3 Tap **Apply** to save the photo.

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.



Pro mode

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

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

Available options

- **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.
- ⊘ : Change the exposure value. This determines how much light the camera's sensor receives. For low-light situations, use a higher exposure.

Food mode

Take photos of food with more vibrant colours.

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

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

The area outside the circular frame will be blurred.

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

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

4 Tap ◯ to take a photo.

Night mode

Take a photo in low-light conditions, without using the flash.

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

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.

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 **Play hyperlapse** to view the 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.

- : Activate or deactivate the flash.
- : Select the length of the delay before the camera automatically takes a photo.
- : Select an aspect ratio for photos.
- : Apply a filter effect or beauty effects.
- : Select a frame rate.
- : Select an aspect ratio for videos.
- : Record fun videos with virtual handwriting or drawings on faces or anywhere else. Refer to AR Doodle for more information.
- : 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.
- : In **Food** mode, focus on a subject inside the circular frame and blur the image outside the frame.
- : In **Food** mode, adjust the colour tone.

Camera settings

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

Intelligent features

- **Scene optimiser**: Set the device to adjust the colour settings and apply the optimised effect automatically depending on the subject or scene.
- **Shot suggestions**: Set the device to suggest the ideal composition for the photo by recognising the position and angle of your subject.
- **Scan QR codes**: Enable or disable the QR code reader.

Pictures

- **Motion photos**: Set the device to take a video clip for a few seconds before tapping ◯. This allows you to capture a moment you might have missed. To view the video, tap the preview thumbnail and tap **View motion photo**. To capture a still image from the video clip, tap the screen to stop playback and tap **Capture**. This feature is available only in **Photo** mode.
- **Hold Shutter button to**: Select an action to perform when you tap and hold the camera button.
- **Save options**: Select how you want to save photos.

Videos

- **Rear video size**: Select a resolution for videos you want to take with the rear camera. Using a higher resolution will result in higher quality videos, but they will take up more memory.
- **Front video size**: Select a resolution for videos you want to take with the front camera. Using a higher resolution will result in higher quality videos, but they will take up more memory.
- **High efficiency video**: Record videos in the High Efficiency Video Codec (HEVC) format. Your HEVC videos will be saved as compressed files to conserve the device's memory.

Useful features

- **HDR (rich tone)**: Take photos with rich colours and reproduce details even in bright and dark areas.
- **Pictures as previewed**: Set the device to save photos as they appear on the preview screen when taken with the front camera without flipping them.
- **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.

- **Camera modes**: View available shooting modes or edit the shooting modes list.
- **Shooting methods**: Select additional shooting methods for taking a photo or recording a video.
- **Storage location**: Select the memory location for storage. This feature will appear when you insert a memory card.
- **Watermark**: Add a watermark in the bottom left corner when taking pictures.
- **Reset settings**: Reset the camera settings.
- **Contact us**: Ask questions or view frequently asked questions.
- **About Camera**: View the Camera app version and legal information.

Gallery

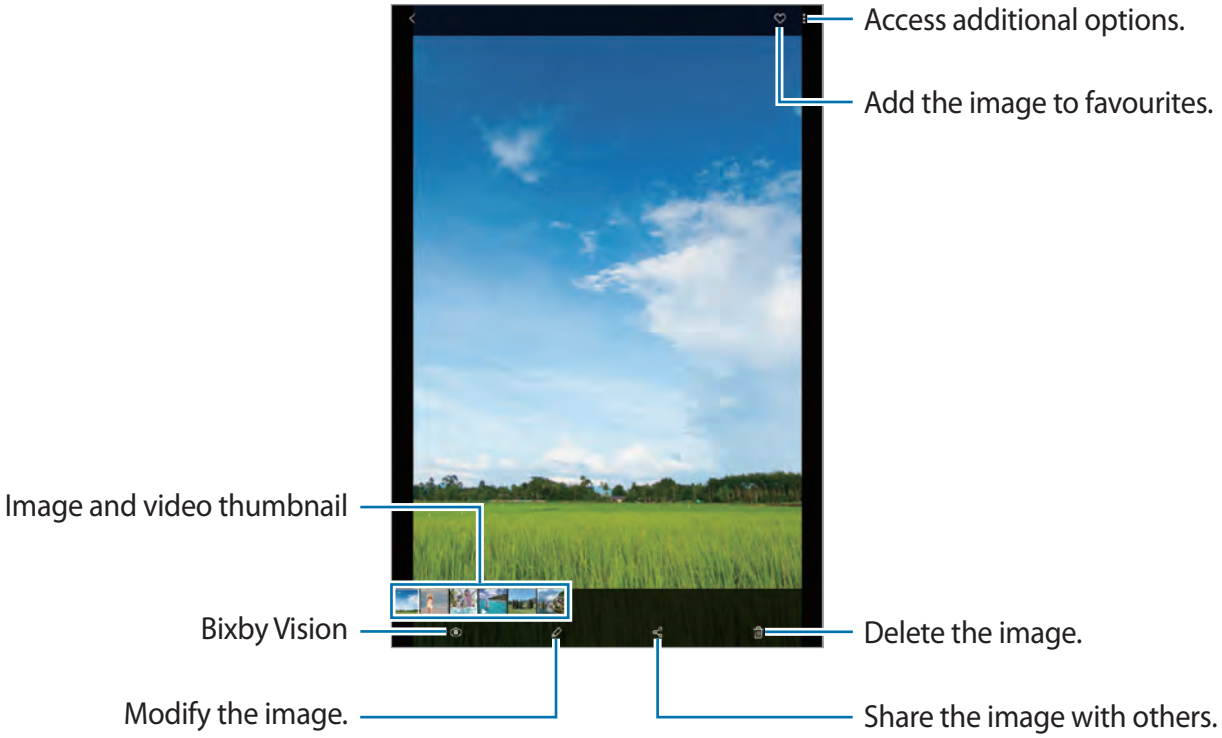
Introduction

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

Viewing images

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

2 Select an image.



You can create an 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 or locations.

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

Sending a live message

Handwrite or draw on an image and send it as an animated file.

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

2 Tap ⋮ → **Send as live message**.

3 On the live message window, select the area to use as a background image and tap **Done**.

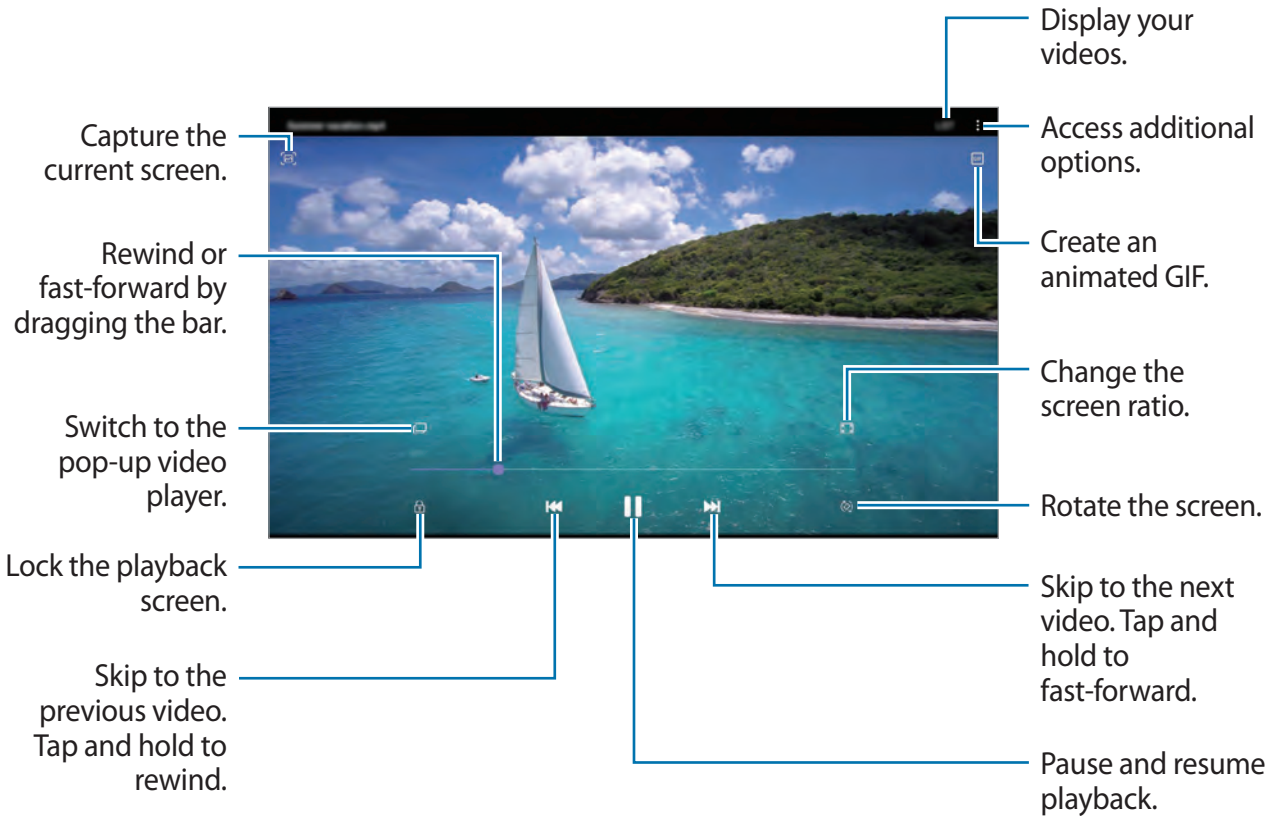
4 Create a live message. Refer to Live messages for more information.

Viewing videos

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

2 Select a video to play.

3 Tap **Play video** to play the video.



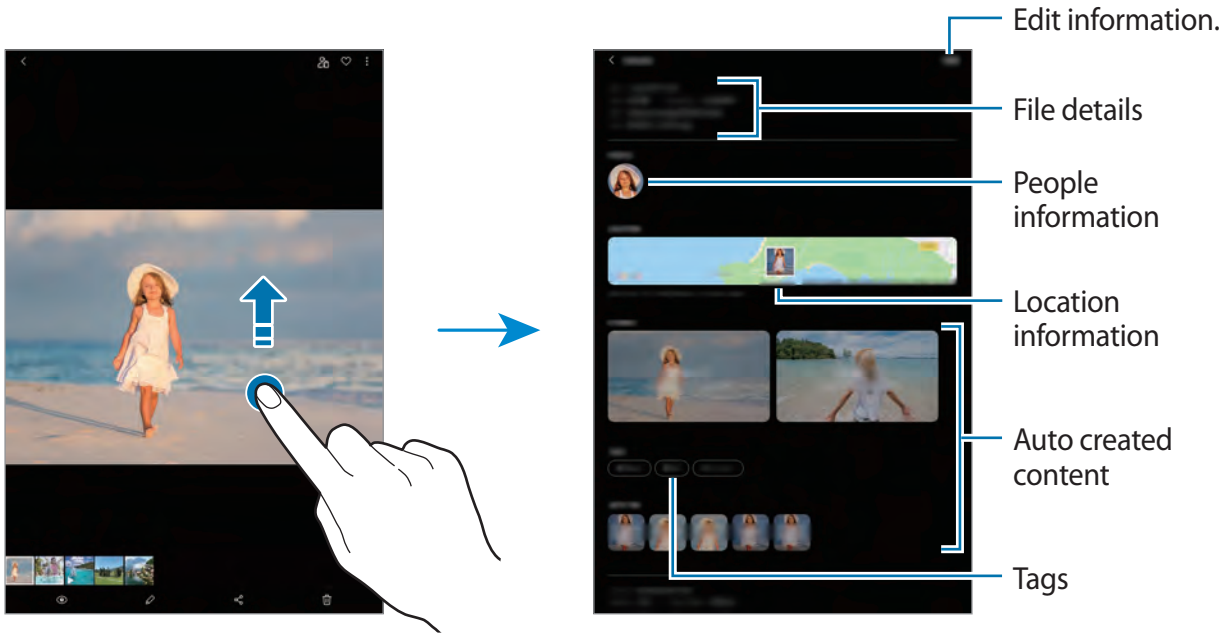
Drag your finger up or down on the left side of the playback screen to adjust the brightness, or drag your finger up or down on the right side of the playback screen to adjust the volume.

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

Viewing the details of images and videos

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 photos or videos by category

You can view photos and videos by category.

Launch the **Gallery** app, tap **Pictures** or **Albums**, and then drag the list downwards to select a category.

- **Videos**: View the videos saved in your device.
- **Favourites**: View your favourite photos and videos.
- **Locations**: View photos and videos taken in the same location.
- **Suggested**: View recommended content.

Viewing albums

You can view your images and videos sorted by folders or albums.

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 Tap an album switch to hide.

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 Enter a title for the story and tap **Create**.

4 Tick images or videos to include in the story and tap **Done**.

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

When you sync your **Gallery** app with Samsung Cloud, photos and videos you take will also be saved in Samsung Cloud. You can view images and videos saved in Samsung Cloud in your **Gallery** app and from other devices.

Launch the **Gallery** app, tap ⋮ → **Settings**, and then tap the **Sync with Samsung Cloud** switch to activate it. The **Gallery** app and Samsung Cloud will be synced.

Deleting images or videos

1 Launch the **Gallery** app.

2 Select an image or a video to delete.

To delete multiple files, tap and hold a file to delete on the list and tick more files to delete.

3 Tap 🗑 or **Delete**.

Using the recycle bin feature

You can keep the deleted images and videos in the recycle bin. The files will be deleted after a certain period.

Launch the **Gallery** app, tap ⋮ → **Settings**, and then tap the **Recycle bin** switch to activate it.

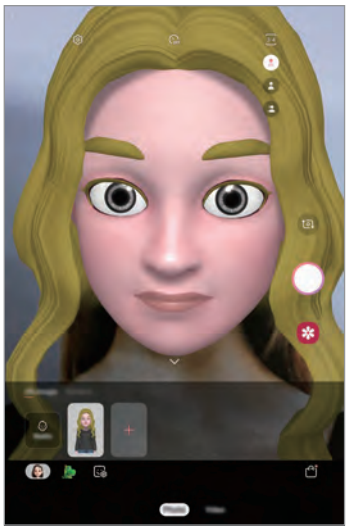
To view files in the recycle bin, launch the **Gallery** app and tap ⋮ → **Recycle bin**.

AR Emoji

Introduction

Create a My Emoji that looks just like you, and take photos and record videos using My Emojis, character Emojis, or stickers.

You can customise My Emoji's features, such as the face shape or hairstyle, and decorate My Emoji with various accessories. You can also express yourself in fun ways using My Emoji stickers during a conversation.



My Emojis

Character Emojis

Stickers

Creating My Emoji

Make a My Emoji that looks like you. My Emoji stickers with various expressions will be automatically generated.

1 Launch the **Camera** app and tap **AR Emoji** → **Create My Emoji**.

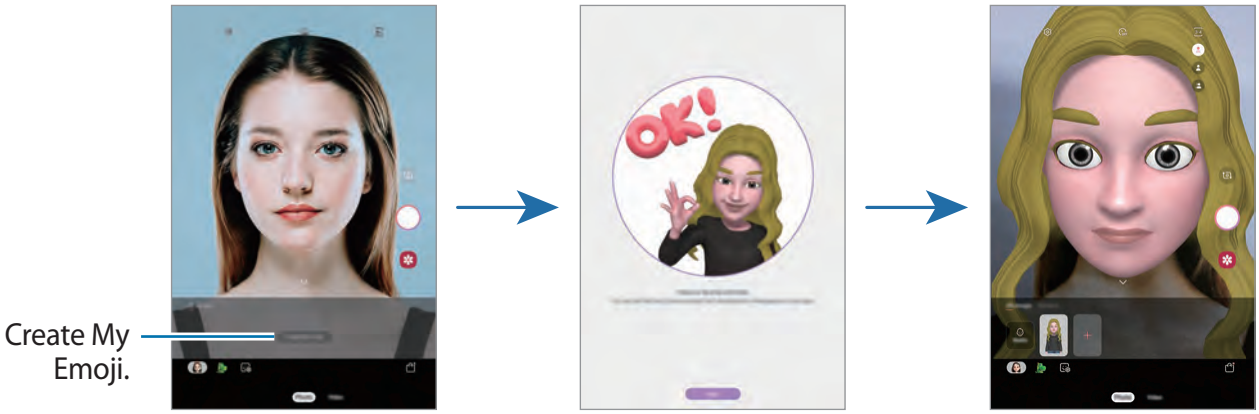
2 Align your face on the screen and tap ◯ to take a photo.

3 Select My Emoji's gender and age range and tap **Next**.

4 Decorate a My Emoji and tap **Next**.

5 Tap **Done**.

The My Emoji and My Emoji stickers are now created. You can view My Emoji stickers on the My Emoji Studio. Refer to My Emoji stickers for more information.



You can use the **AR Emoji** feature in both the front and rear cameras. If you are using the rear camera, it will automatically switch to the front camera. To switch between cameras, swipe upwards or downwards on the preview screen.

Deleting My Emoji

Launch the **Camera** app and tap **AR Emoji**. Tap and hold the My Emoji that you want to delete and tap ⊖. The My Emoji and My Emoji stickers will be deleted.

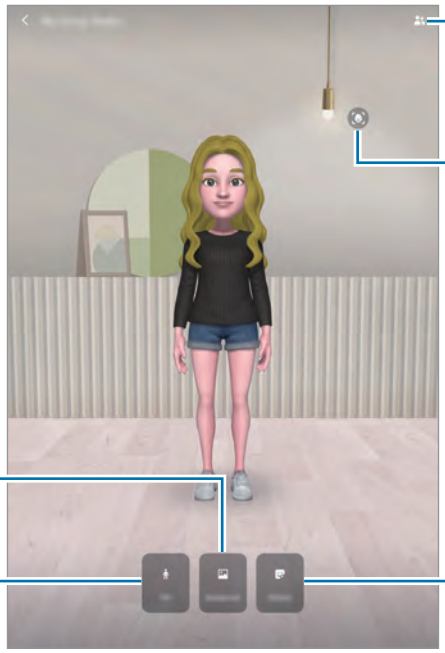
Customising My Emoji

Edit or decorate a My Emoji on the My Emoji Studio. You can also add My Emoji stickers.

Available options may vary depending on the region or service provider.

My Emoji Studio

Launch the **Camera** app and tap **AR Emoji** → **Studio**. My Emoji Studio will appear.



My Emoji stickers

Create your own stickers with My Emoji expressions and actions. You can use My Emoji stickers when sending messages or on a social network.

Viewing My Emoji stickers

On the My Emoji Studio, tap **Stickers**. Then, you can view My Emoji stickers.

Create your own stickers.

Creating your own stickers

1 On the My Emoji Studio, tap **Stickers** → **Make custom stickers**.

2 Edit stickers how you want.

- : Add stickers.
- : Select the sticker's background.
- : Select an expression.
- : Select an action.
- : Enter text.
- : Handwrite or draw on stickers.

3 Tap **Save**.

Using My Emoji stickers in chats

You can use My Emoji stickers during a conversation via messages or on a social network. The following actions are an example of using My Emoji stickers in the **Messages** app.

1 While composing a message in the **Messages** app, tap on the Samsung keyboard.

2 Tap the My Emoji icon.

3 Select one of the My Emoji stickers.

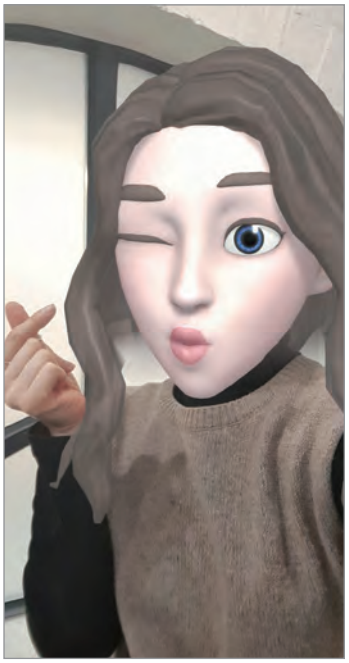
The My Emoji sticker will be inserted.

Deleting My Emoji stickers

On the Samsung keyboard, tap and tap at the bottom of the keyboard. Select the My Emoji stickers you want to delete and tap **Delete**.

Capturing photos or videos with My Emoji

Create fun photos or videos with My Emoji using various shooting modes.



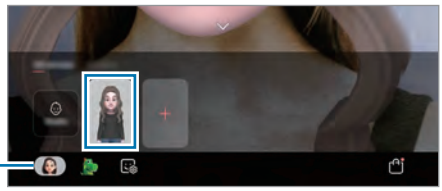
Mask

Basic

Mini motion

1 Launch the **Camera** app and tap **AR Emoji**.

2 Select a My Emoji you want to use.



3 Select the mode you want to use.

- (**Mask**): My Emoji's face appears over your face so it looks like you are wearing a mask.
- (**Basic**): My Emoji mimics your expressions.
- (**Mini motion**): My Emoji mimics your body movements.

4 Tap to take a photo, or swipe to the left on the preview screen and tap to record a video.

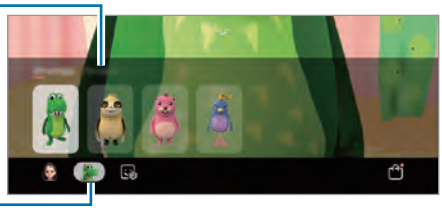
You can view and share the photos and videos that you have captured in **Gallery**.

Capturing photos or videos with character Emojis or stickers

Character Emojis mimic your expressions. You can also apply sticker effects that follow your face.

1 Launch the **Camera** app and tap **AR Emoji**.

2 Select a character Emoji, or tap **Stickers** and select a sticker you want to use.



3 Tap to take a photo, or swipe to the left on the preview screen and tap to record a video.

You can view and share the photos and videos that you have captured in **Gallery**.

AR Doodle

Record fun videos with virtual handwriting or drawings on faces or anywhere else. When the camera recognises a face or space, the doodles on the face will follow the face as it moves, and the doodles in the space will be fixed in the same placed even if the camera moves.

1 Launch the **Camera** app and tap **Video** on the shooting modes list.

2 Tap and select a mode you want.

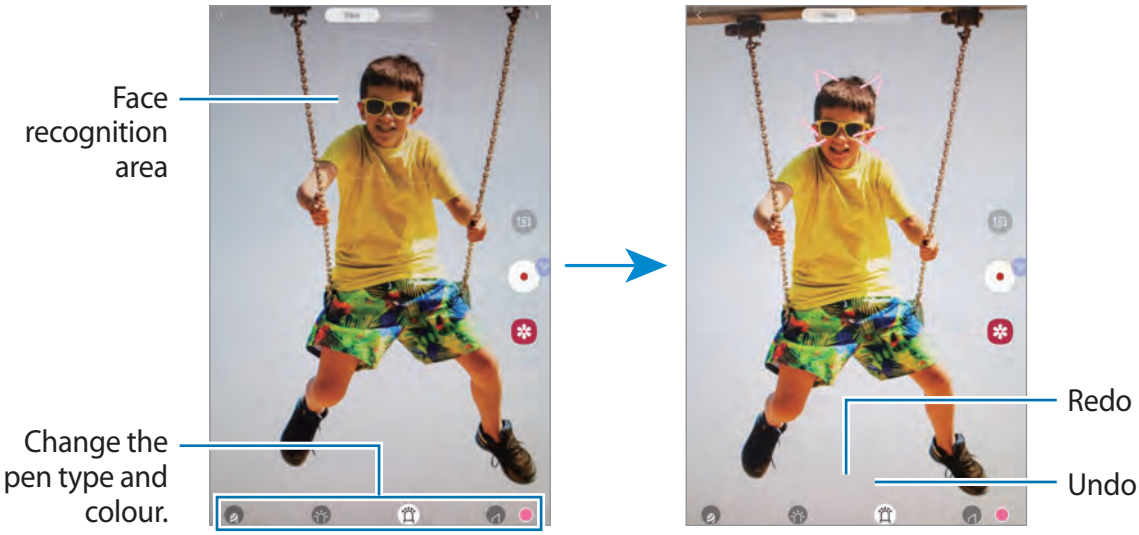
- **Face**: Doodle on a face.
- **Everywhere**: Doodle anywhere else.

3 Point the camera towards the subject.

When the camera recognises the subject, the recognition area will appear on the screen.

4 Write or draw in the recognition area.

If you tap and then begin to doodle, you can record yourself doodling.



5 Tap to record a video.

6 Tap to stop recording the video.

You can view and share the video in **Gallery**.

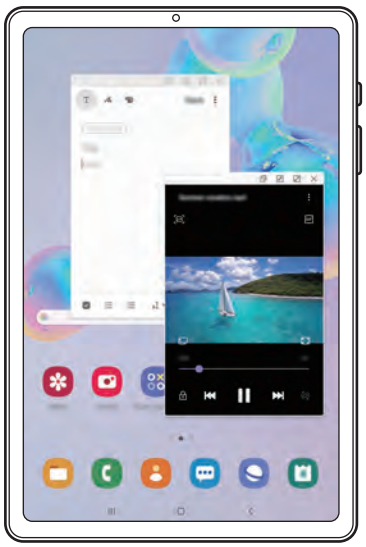
Multi window

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

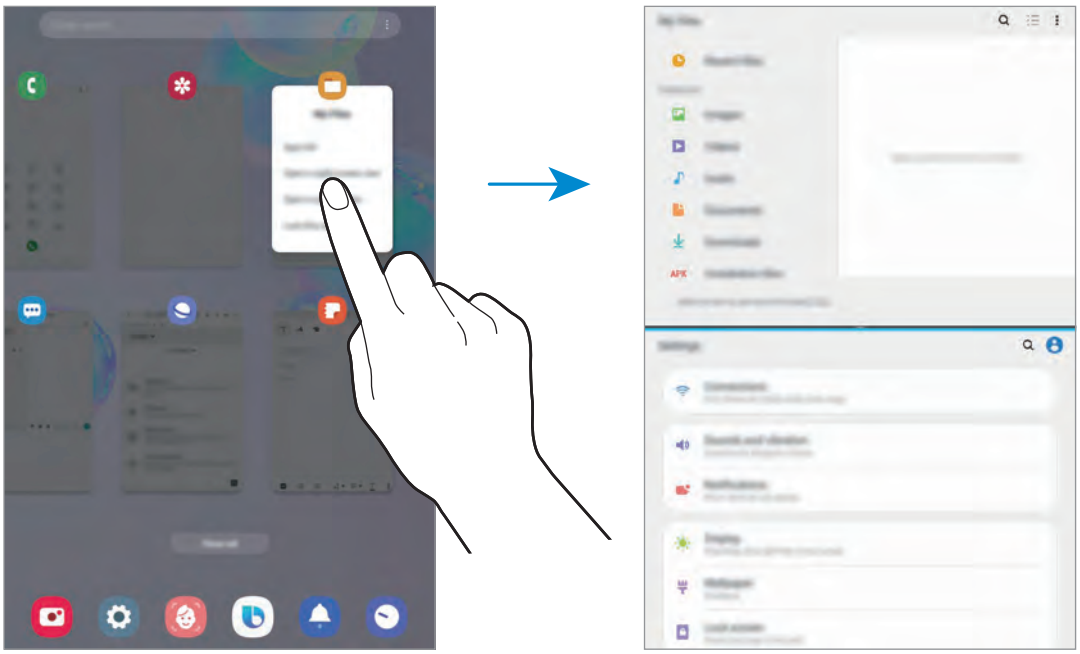
1 Tap the Recents button to open the list of recently used apps.

2 Swipe to the left or right, tap an app's icon, and then tap **Open in split screen view**.

The selected app will launch in the upper window.

3 On the lower window, swipe left or right to select another app to launch.

To launch apps not on the list of recently used apps, tap the Home button or Back button and select an app.



Adjusting the window size

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

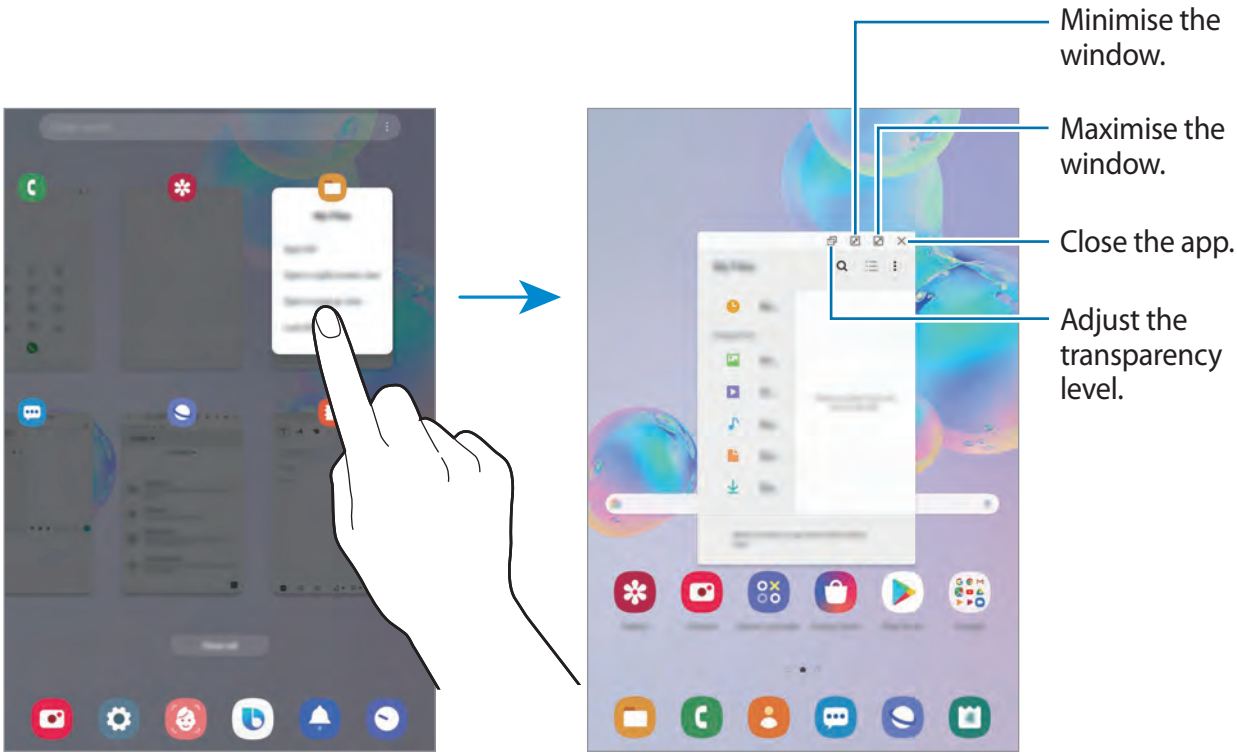
When you drag the bar between the app windows to the top or bottom edge of the screen, the window will be maximised.

Pop-up view

1 Tap the Recents button to open the list of recently used apps.

2 Swipe to the left or right, tap an app's icon, and then tap **Open in 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.

To submit your feedback or post your comments, you must sign in to your Samsung account. Refer to Samsung account for more information.

Samsung Notes

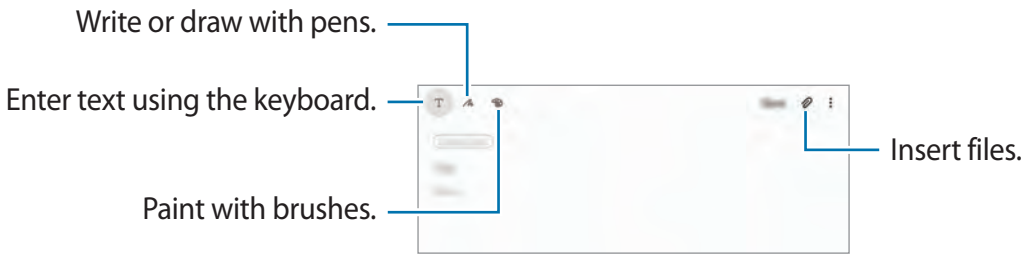
Introduction

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

Creating notes

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

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

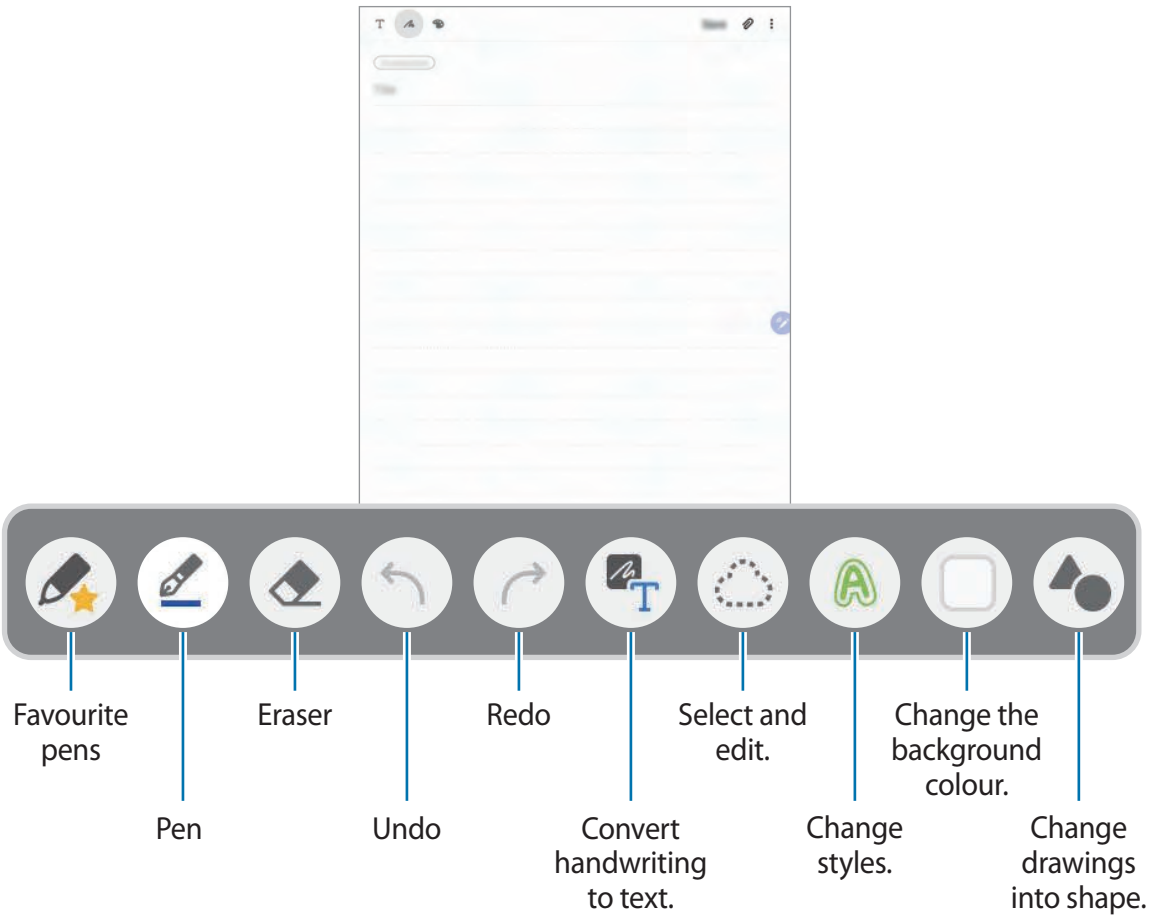


3 When you are finished composing the note, tap **Save**.

Composing notes with handwriting

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

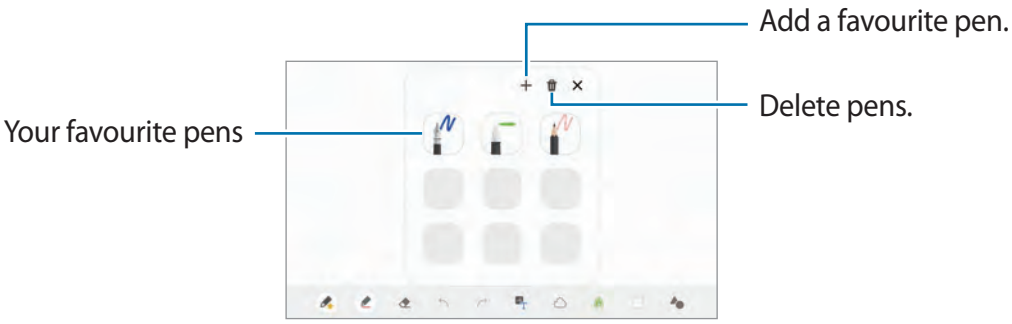
You can enter your handwriting more easily if you magnify the screen by spreading two fingers on it.



Editing your favourite pens

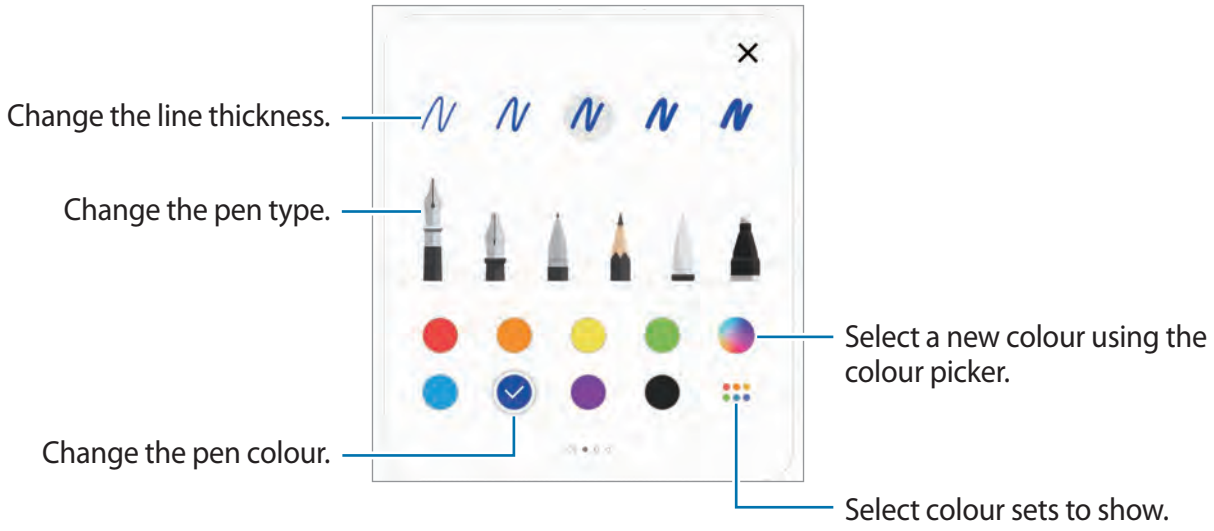
Add various styles of pens to your favourites and then you can select and use them more quickly.

On the note composer screen, tap .



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 by line**: Erase the line you select.
- **Erase by 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.

Editing handwritten notes

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

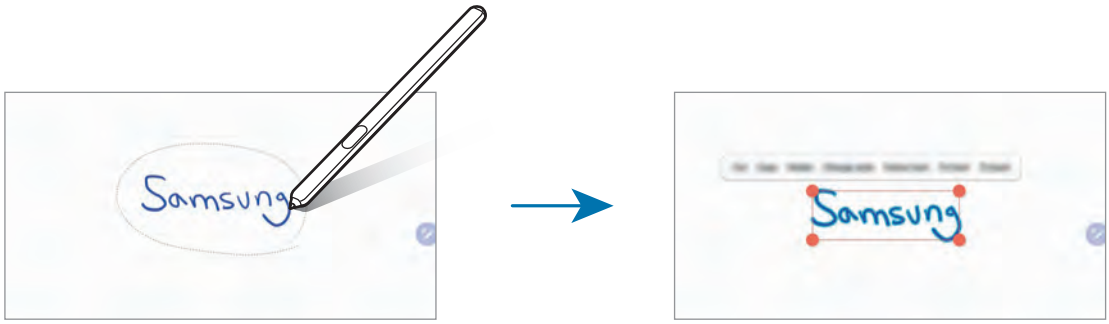
1 When there is handwriting on the note, tap .

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.
- **Change style**: Change styles. Select a colour or line thickness and tap **Done**.
- **Extract text**: Extract text from the selected area. To paste or copy the text to a note, tap **Paste** or **Copy**.
- **To front**: Send the input to the front.
- **To back**: Send the input to the back.

Changing styles

You can change the style of your handwriting and drawings.

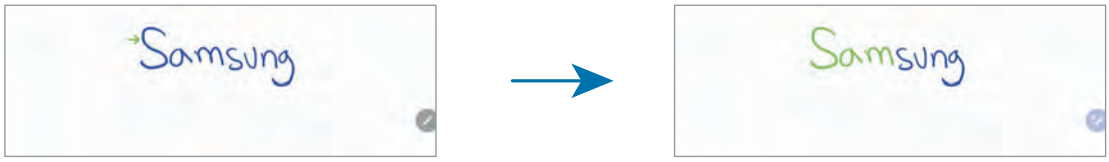
1 After writing or drawing on the screen, tap twice.

2 Select a colour or line thickness you want.

3 Point the S Pen toward where you want to apply the style.

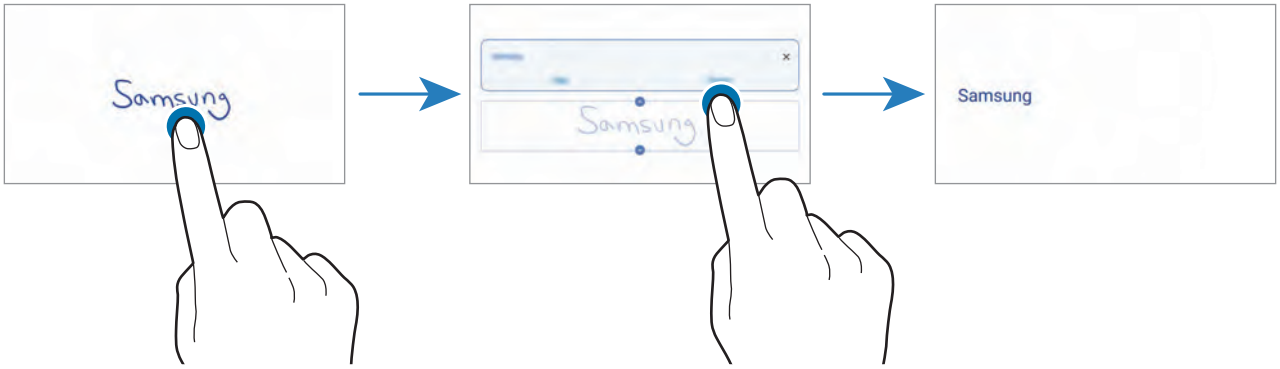
The icon will appear.

4 Tap where you want to change the style.



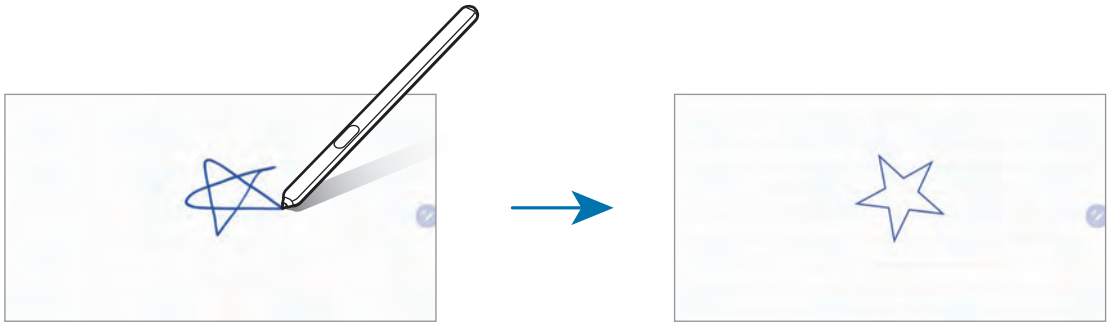
Converting handwriting to text

After writing on the screen, tap it with your finger. To select all of your handwriting, tap . Options will appear in the preview window. To replace the handwriting with the text, tap **Convert**.



Changing drawings into shape

You can change your drawings into shapes. Tap and draw. Your drawings will now automatically change into the corresponding shape.

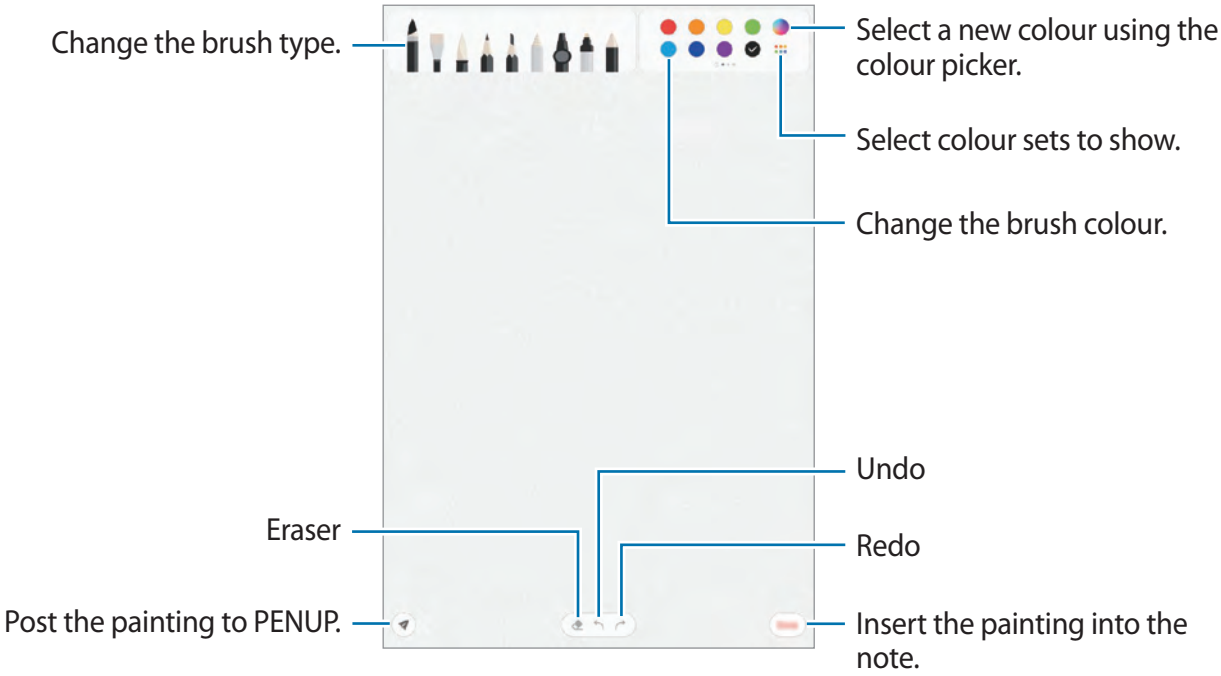


Painting with brushes

On the note composer screen, tap 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.



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.

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.

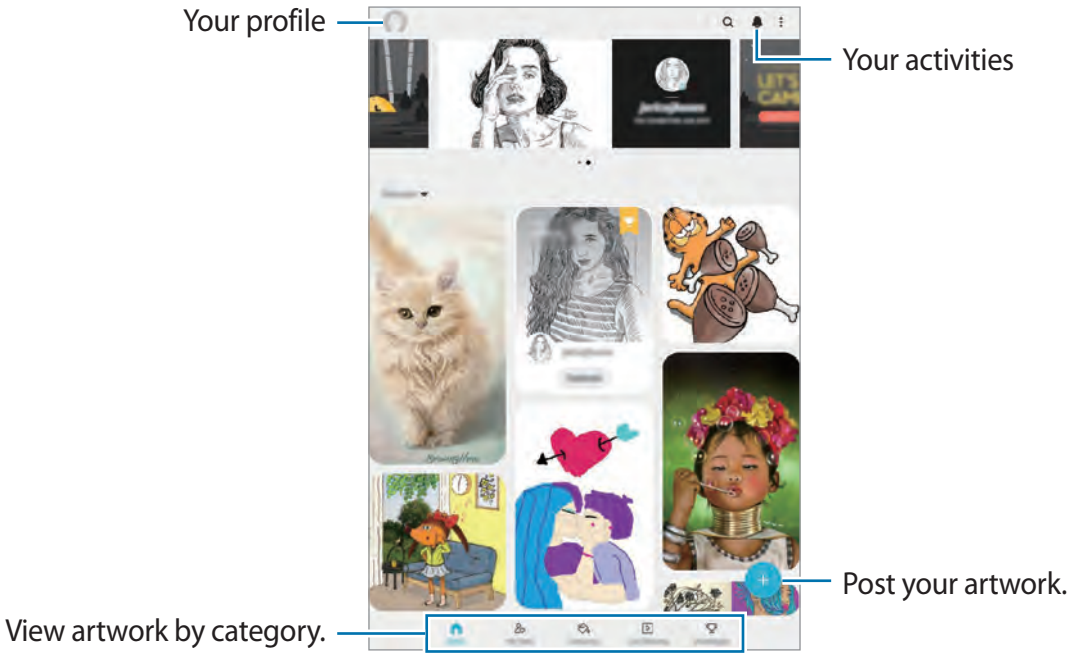
To delete multiple notes, tick more notes to delete.

3 Tap **Delete**.

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 Launch the **PENUP** app and tap ⊕.

2 Select an option.

- Tap **Drafts**, finish artwork, and then tap **Done**.
- Tap **From Gallery**, select your artwork to post, and then tap **Done**.
- Tap **Photo drawing**. Select an option to take a photo or select a photo, draw on it, and then tap **Done**.
- 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**.

Colouring images

Using the various colours, create your own artwork.

1 Launch the **PENUP** app, and then tap **Colouring**.

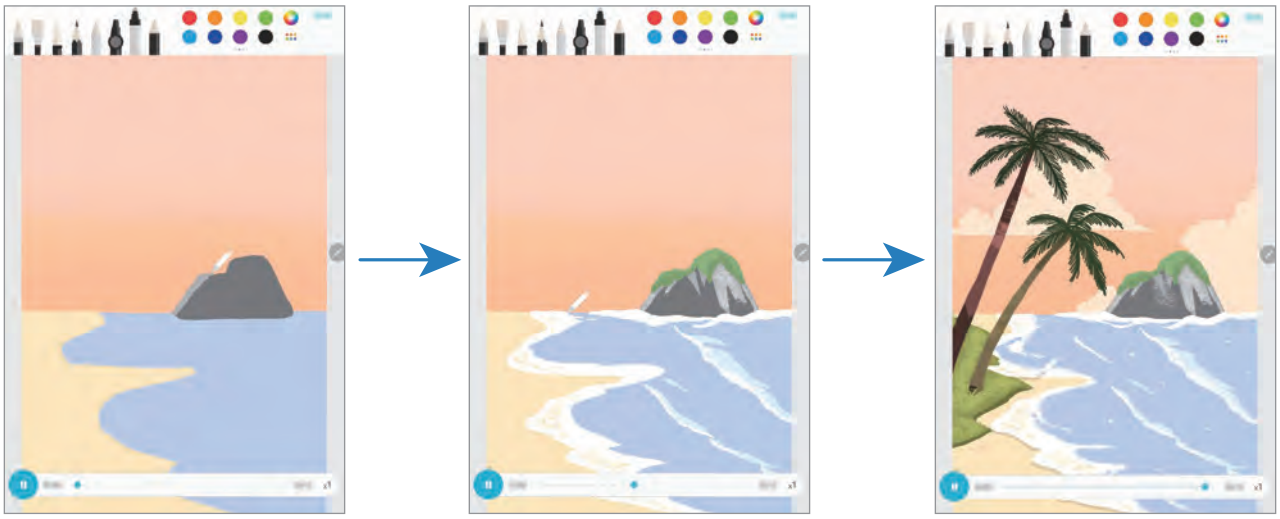
2 Select an image.

3 Tap **Start colouring**.

4 When you are finished, tap **Done**.

Live drawing

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 Launch the **PENUP** app, and then tap **Live drawing**.

2 Select an image.

3 Tap **Learn to draw**.

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

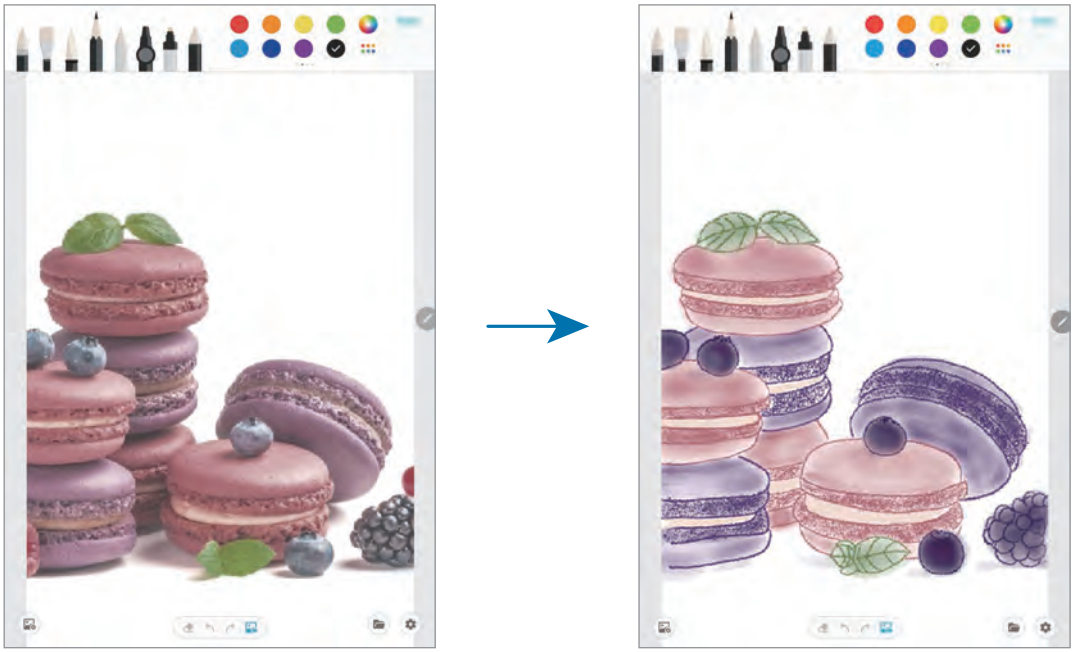
You can change the playback speed by tapping x1.

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 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

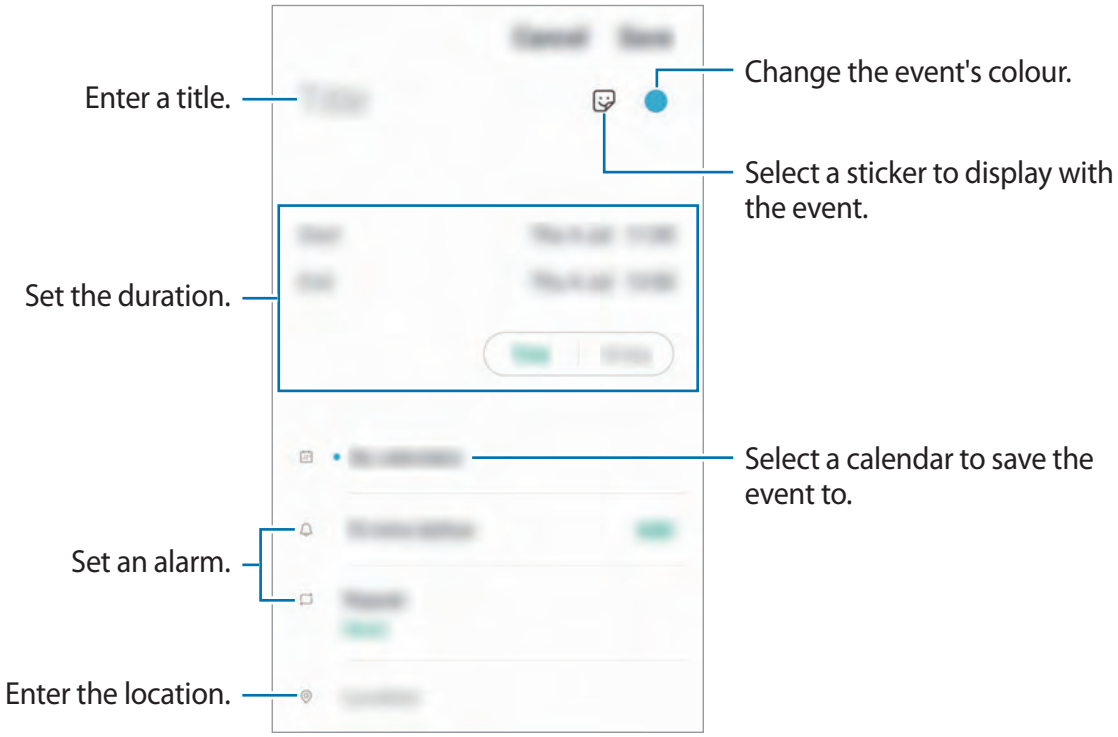
Manage your schedule by entering upcoming events or reminders in your planner.

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 reminders

You can create tasks as reminders and receive notifications at the preset time or location for each reminder. Launch the **Calendar** app and tap ☰ → **Reminder**. The **Reminder** app will launch. Refer to Reminder for more information.

Syncing events with your accounts

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

2 Tap **Sync account** and tap the **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 ☰ → ⚙ → **Add new 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 Store** 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, launch the **Samsung Flow** app.

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

3 Select your smartphone from the detected devices list.

4 Accept the connection request on both devices.

5 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, launch the **Samsung Flow** app.

2 Tap ☰.

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.

Launch the **My Files** app.

View files that are stored in each storage.

To check for unnecessary data and free up the device's storage, tap ⋮ → **Storage analysis**.

To search for files or folders, tap Q.

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 map, and then tap **Add**.

To use the time zone converter, tap ⋮ → **Time zone converter**.

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**.

To add a frequently used timer, tap +, set the duration and name, and then tap **Add**.

2 Set the duration and tap **Start**.

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

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

Calculator

Perform simple or complex calculations.

Launch the **Calculator** app.

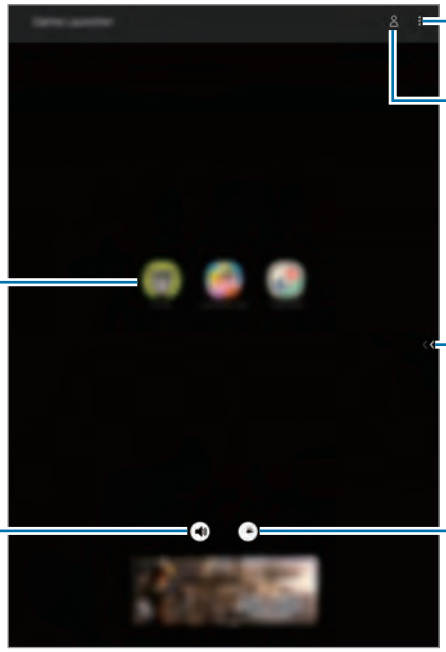
To clear the history, tap **Clear history**.

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 Store** 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 **Game Launcher** app.

If **Game Launcher** does not appear, launch the **Settings** app, tap **Advanced features**, and then tap the **Game Launcher** switch to activate it.

2 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 Store** 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 from Game Launcher**.

Changing the performance mode

You can change the game performance mode.

Launch the **Game Launcher** app, tap , and then drag the bar to select the mode you want.

- **Focus on power saving**: This saves battery power while playing games.
- **Balanced**: This balances the performance and the battery usage time.
- **Focus on performance**: This focuses on giving you the best possible performance while playing games.

To change the settings for each game, tick **Individual game settings**.

Battery power efficiency may vary by game.

Game Booster

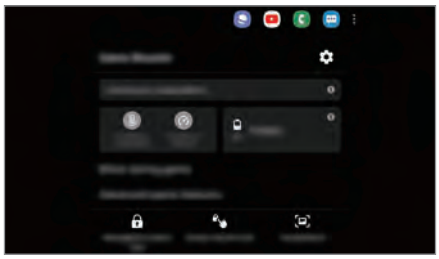
Introduction

Game Booster helps you play games in a better environment and you can use useful options on the Game Booster panel.

Using Game Booster

To open the Game Booster panel, tap on the navigation bar. If the navigation bar is hidden, drag upwards from the bottom of the screen to show it.

Available options may vary depending on the game.



- ⚙ : Configure settings for Game Booster.
- **Monitoring temperature/Monitoring memory**: Set the device automatically adjust settings to prevent device overheating and stop apps running in the background to manage the memory.
- **Block during game**: Lock some features during games.
- **Advanced game features**: Set additional features.
- **Navigation button lock**: Hide the buttons on the navigation bar. To display the buttons, tap 🔒 on the navigation bar.
- **Screen touch lock**: Lock the touchscreen while the game is being played. To unlock the touchscreen, drag the lock icon in any direction.
- **Screenshot**: Capture screenshots.

Setting how to display incoming calls and notifications during games

You can enjoy your games without being disturbed even when you receive a call or notification.

Tap 🎮 → **Block during game** → **Calls and notifications** and select an option to activate it.

- **Minimised caller notifications**: A small notification will appear at the top of the screen when you receive a call during games.
- **Don't display notifications**: Only display notifications from some apps or emergency notifications during games.

Launching apps in pop-up windows while playing games

You can launch apps in pop-up windows while playing a game.

Tap 🎮 and select an app from the apps list.

To edit the apps list, tap ⋮.

Kids Home

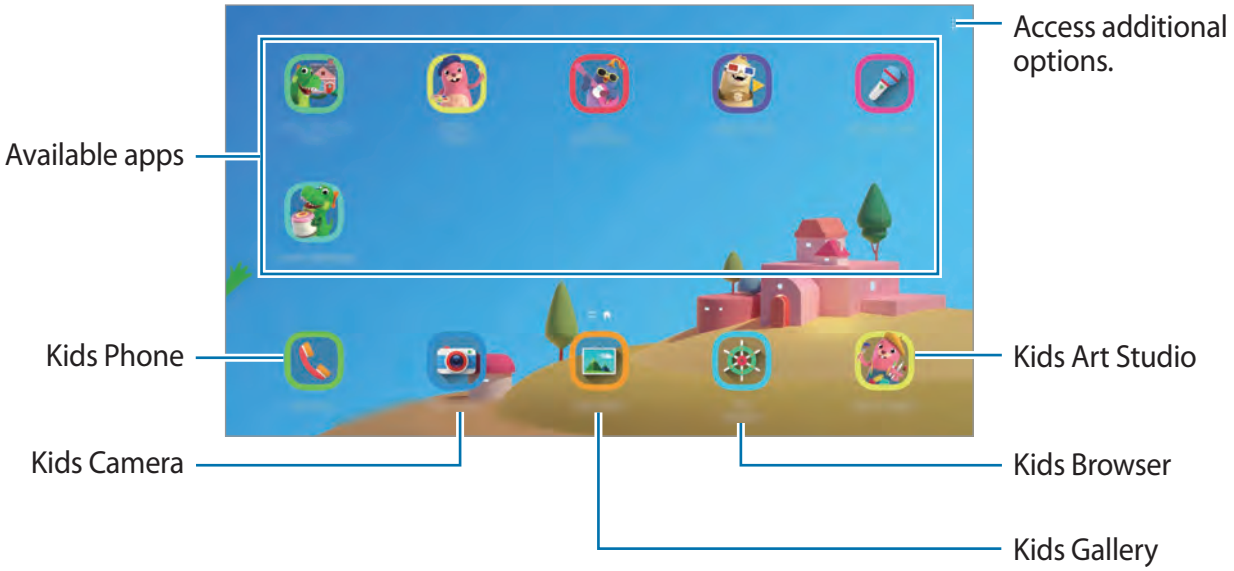
Introduction

You can restrict children's access to certain apps, set their usage times, and configure settings to provide a fun and safe environment for children when they use the device.

Using Kids Home

Open the notification panel, swipe downwards, and then tap (**Kids Home**) to activate it. The Kids Home screen will appear. When starting Kids Home for the first time or after performing a data reset, follow the on-screen instructions to complete the setup.

On the Kids Home screen, select the app you want to use.



Your preset screen lock method or your created PIN will be used when activating the **Parental control** feature or closing Kids Home.

Using parental control features

You can configure the settings for Kids Home and view the usage history.

On the Kids Home screen, tap ⋮ → **Parental control** and enter your unlock code.

- **Kid's name**: Manage your child's profile.
- **Set daily playtime**: Restrict the usage time for Kids Home.
- **Daily usage**: View the daily usage time of Kids Home.
- **Activity**: View the activity history of Kids Home.
- **Frequently contacted**: View the frequently used contacts in Kids Home.
- **My kid's creations**: View the works created from the apps in Kids Home.
- **Allowed content**: Check the apps or content supported by Kids Home and add them.
- **Show Content page**: Set the device to show the Samsung partners' content pages on the Kids Home screen.

Closing Kids Home

To close Kids Home, tap the Back button or tap ⋮ → **Close Kids Home**, and then enter your unlock code.

SmartThings

Introduction

Control and manage smart appliances and Internet of Things (IoT) products with your smartphone.

- **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 smartphone, and view their status or control them from your smartphone's screen.

- **Receiving notification**: Receive notifications from connected devices on your smartphone. For example, when the laundry is finished, you can receive a notification on your smartphone.

- To use SmartThings, your smartphone and other devices must be connected to a Wi-Fi or mobile network. To fully use SmartThings, you must sign in to your Samsung account.
- The devices you can connect may vary depending on the region or service provider. 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 Launch the **SmartThings** app.

2 Tap **Add device** or tap + → **Add device**.

3 Tap **Scan**.

4 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 smartphone's screen. You can group devices by location and add rules to control the devices easily and conveniently.

Connecting devices

1 Launch the **SmartThings** app.

2 Tap **Add device** or tap + → **Add device**.

3 Select a device type.

Or, tap **Scan** or **Search** to search for devices.

4 Follow the on-screen instructions to connect 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 Launch the **SmartThings** app.

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 Launch the **SmartThings** app and tap ☰ → ⊙ → **Add new location**.

2 Enter the location name.

- To set a location, tap **Geolocation** to select a location on the map and tap **Done**.
- To add rooms to the location, tap **Rooms**, tick rooms you want to add, and then tap **Done**.

3 Tap **Done**.

Your location will be added.

To add devices to the location, tap **Add device** or tap + → **Add device** and follow the on-screen instructions to register devices.

Adding scenes

Add a scene and register devices to it to control multiple devices at the same time.

1 Launch the **SmartThings** app.

2 Tap ☰ → ⊖ and select a location.

3 Tap + → **Add scene**.

4 Enter the scene name.

5 Tap ⊕ under **Actions** to add actions to perform and tap **Save**.

6 Tap **Save**.

Adding automations

You can also set an automation to operate devices automatically depending on the preset time, the status of devices, and more.

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

1 Launch the **SmartThings** app.

2 Tap ☰ → ⊖ and select a location.

3 Tap + → **Add automation** → **Custom automation**.

4 Tap ⊕ under **If**, and set the activation conditions for the automation, and then tap **Next**.

5 Tap ⊕ under **Then** and set actions to perform.

6 Tap **Save**.

Receiving notifications

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

To set devices to receive notifications, launch the **SmartThings** app, tap ☰ → ⚙ → **Notifications**, and then tap the switches next to the devices you want.

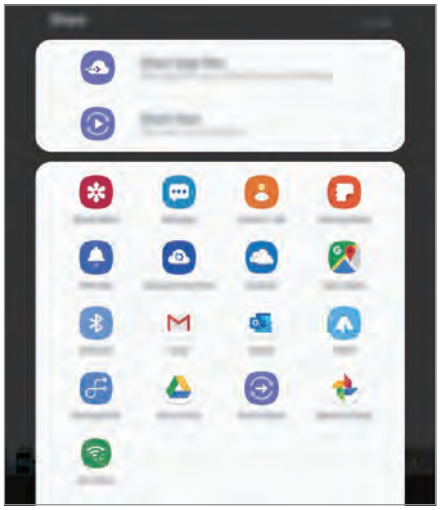
Sharing content

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

You may incur additional charges when sharing files via the mobile network. (SM-T865, SM-T867)

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 features

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

When 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 information, such as the time, weather, or your calendar. You can also create a memo and control music while using it.

- 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 Daily Board.** 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 **Agree**.

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 **Agree**.

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 **Slideshow** → **Select albums** and select an album.

The selected images will be displayed when the slideshow starts.

Viewing information

You can view information, such as the clock, weather, or calendar, all on one page.

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

2 Tap **Time, weather, and calendar** → **All on one page**.

All information will be displayed on one page when the slideshow starts.

To set the device to show schedules, tap the **Show today's schedule** switch to activate it.

Creating a memo

You can create a memo by drawing on the display screen.

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

2 Tap the **Memo** switch to activate it.

On the Daily board screen, swipe to the left or right and tap to start drawing a memo.

Playing music

You can play and control music on the Daily Board screen.

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

2 Tap the **Music** switch to activate it.

On the Daily Board screen, tap to play music.

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.

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

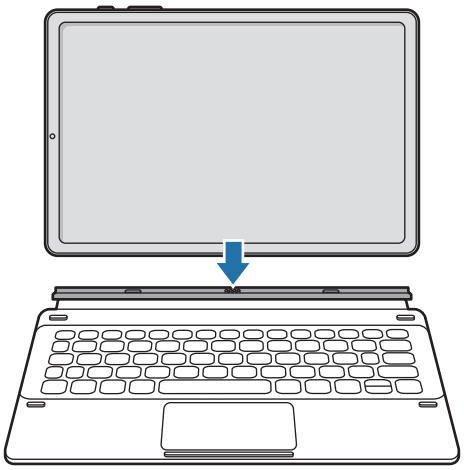
Use your tablet like a computer by connecting the Keyboard Cover.

With the Keyboard Cover, you can easily launch Samsung DeX with a simple key combination (**Fn** + **DeX**).

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.

Gently press the device until the device's keyboard dock port connects with the connector of the Keyboard Cover.

Samsung DeX screen will appear.



- You can also launch Samsung DeX from quick settings without Keyboard Cover. Swipe downwards on the notification panel and tap **Samsung DeX**.
- To use the device upright, attach the backside of the Keyboard Cover to the back of the device.

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** switch to deactivate it. You can also close Samsung DeX from Samsung DeX panel. Tap **DeX** at the bottom of the left corner and tap **Exit DeX**.

With Keyboard Cover, you can easily exit Samsung DeX with a simple key combination (**Fn** + **DeX**).

Starting Samsung DeX on external display

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

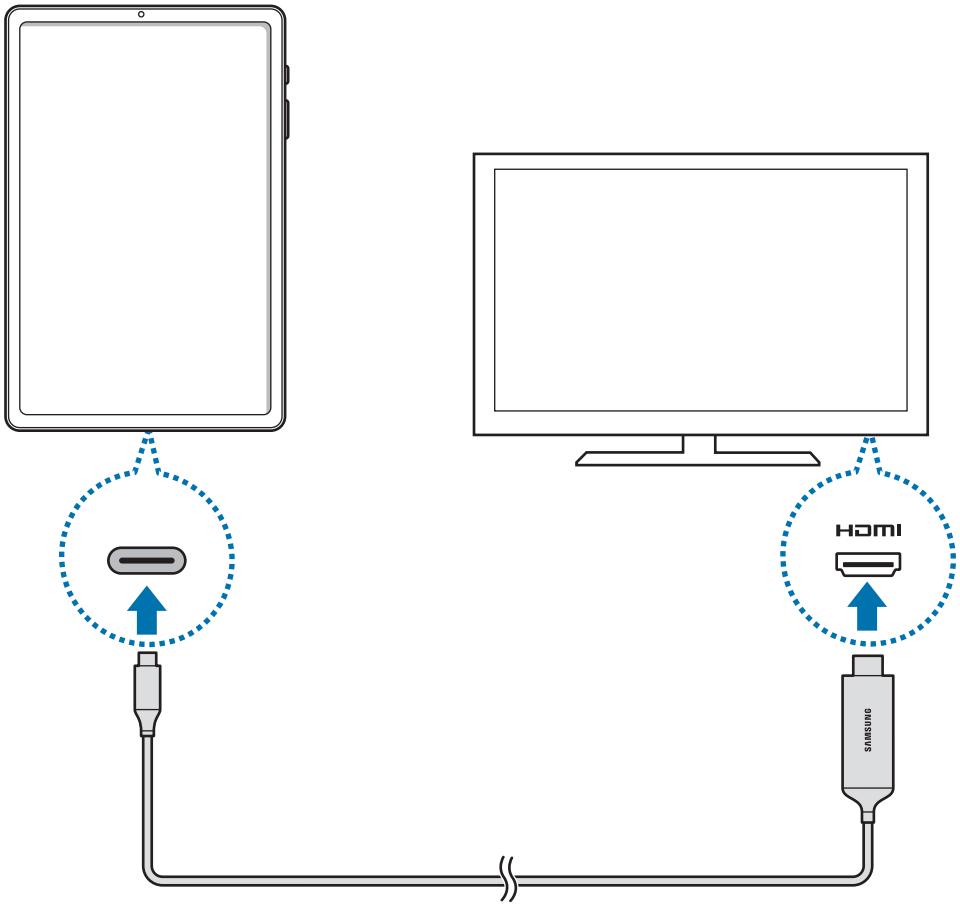
Without changing your tablet's screen, the Samsung DeX screen will appear on the connected TV or monitor.

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 or tap → on the status bar. Alternatively, launch the **Settings** app and tap **Samsung DeX**, and then tap the **On** switch to deactivate it. You can also close Samsung DeX from Samsung DeX panel. Tap **DeX** at the bottom of the left corner and tap **Exit DeX**.

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.
- Sound will be played through the tablet's speaker. To change the default audio output, launch the **Settings** app, tap **Advanced features** → **Samsung DeX**, and then select the **Set default audio output** switch to activate it.

- Favourite apps: Add frequently used apps to the Home screen and launch them quickly.
- Samsung DeX panel: Provide frequently used functions and launch them such as **Exit DeX** or **DeX Labs** quickly.
- Apps button: View and run your tablet's apps. To see apps that are optimised for Samsung DeX, tap **Check out 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.

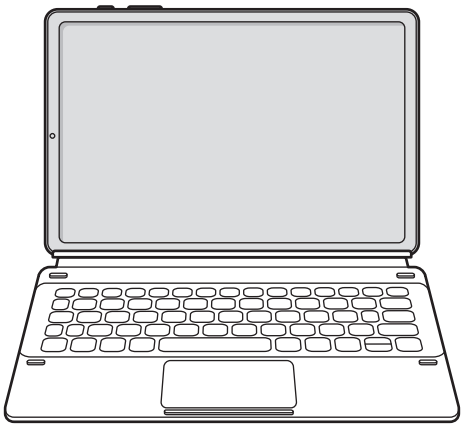
Enjoying games vividly on a large screen

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

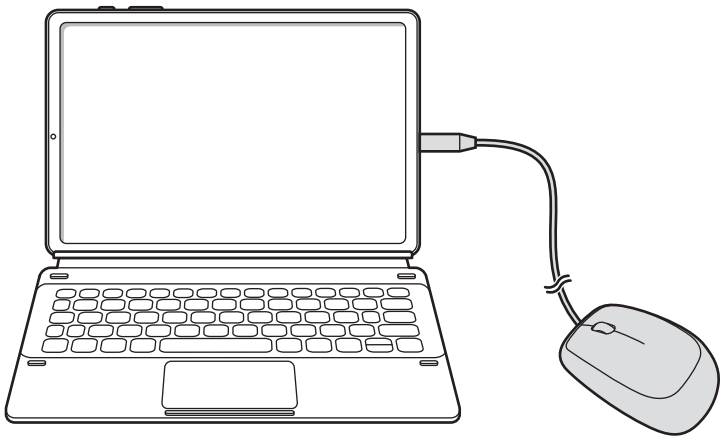
Controlling with Keyboard Cover's touchpad and keyboard

When you use Samsung DeX with the Keyboard Cover, you can use Keyboard Cover's touchpad and keyboard to control 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 directly to the Multipurpose jack. 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 Side 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 landscape orientation and detach the S Pen from your device. 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.

To send a text message, launch the **Settings** app, tap **Connections**, and then tap the **Call & Message Continuity** switch to activate it. You must register and sign in to the same Samsung account on your device and the other device.

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 or tap ▲ → 🖥 on the status bar. You can also close Samsung DeX from Samsung DeX panel. Tap **DeX** at the bottom of the left corner and tap **Exit DeX**.

When you use Samsung DeX with the Keyboard Cover, you can easily close Samsung DeX with a simple key combination (**Fn** + **DeX**).

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.

Google

Search quickly for items on the Internet or your device.

Duo

Make a simple video call.

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 Q.

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.
- **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.

- **Mobile networks**: Configure your mobile network settings. (SM-T865, SM-T867)

- **Data usage**

  ► SM-T865, SM-T867: Keep track of your data usage amount and customise the settings for the limitation. Set the device to automatically disable the mobile data connection when the amount of mobile data you have used reaches your specified limit.

  You can also activate the data saver feature to prevent some apps running in the background from sending or receiving data. Refer to Data saver (SM-T865, SM-T867) for more information.

  ► SM-T860: Keep track of your data usage amount.

- **Mobile Hotspot and Tethering**: Use the device as a mobile hotspot to share the device's mobile data connection with other devices when the network connection is not available. Connections can be made via Wi-Fi, USB, or Bluetooth. Refer to Mobile Hotspot and Tethering (SM-T865, SM-T867) for more information. (SM-T865, SM-T867)
- **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.

Connecting to a Wi-Fi network

1 On the Settings screen, tap **Connections** → **Wi-Fi** and 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 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 ⟨share⟩ → **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 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 select a device to transfer the image to.

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.

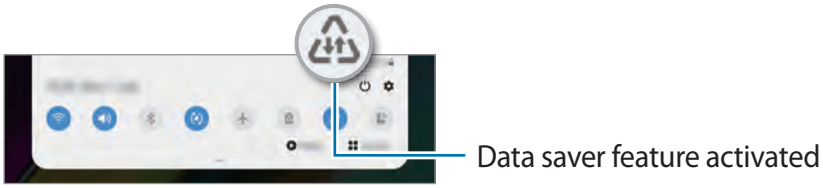
3 Tap **Unpair**.

Data saver (SM-T865, SM-T867)

Reduce your data usage by preventing some apps running in the background from sending or receiving data.

On the Settings screen, tap **Connections** → **Data usage** → **Data saver** and tap the switch to activate it.

When the data saver feature is activated, the icon will appear on the status bar.



To select apps to use data without restriction, tap **Allow app while Data saver on** and select apps.

Mobile data only apps (SM-T865, SM-T867)

Select apps to always use the mobile data even when your device is connected to a Wi-Fi network.

For example, you can set the device to use only mobile data for apps that you want to keep secure or streaming apps that can be disconnected. Even if you do not deactivate the Wi-Fi feature, the apps will launch using the mobile data.

On the Settings screen, tap **Connections** → **Data usage** → **Mobile data only apps**, tap the switch to activate it, and then tap the switches next to the apps you want.

You may incur additional charges when using this feature.

Mobile Hotspot and Tethering (SM-T865, SM-T867)

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

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

You may incur additional charges when using this feature.

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

Using the mobile hotspot

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

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

2 Tap the switch to activate it.

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

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

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

To connect without entering the password, tap and scan the QR code with the other device.

- If the mobile hotspot is not found, on your device, tap ⋮ → **Configure Mobile Hotspot**, tick **Show advanced options**, and then deselect **Hide my device** and **Use 5 GHz band when available**.
- If the other device cannot connect to the mobile hotspot, on your device, tap ⋮ → **Allowed devices** and tap the **Allowed devices only** switch to deactivate it.

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

Auto Hotspot

You can share your device's mobile data connection with your other devices signed in to your Samsung account without entering a password.

Tap **Auto Hotspot** and tap the switch to activate it.

More connection settings

Customise settings to control other connection 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.
- **Private DNS**: Set the device to use the security enhanced private DNS.
- **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** → **Download plugin**.
2. Search for a printer plug-in in **Play Store**.
3. Select a printer plug-in and install it.

4 Select the installed printer plug-in.

The device will automatically search 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.
- **Vibrate while ringing**: Set the device to vibrate and play a ringtone for incoming calls. (SM-T865)
- **Ringtone**: Change the call ringtone. (SM-T865)
- **Vibration pattern**: Select a vibration pattern. (SM-T865)
- **Notification sounds**: Change the notification sound.
- **Volume**: Adjust the device's volume level.

- **Use Volume keys for media**: Set the device to adjust the media volume level when you press the Volume key.
- **System sounds**: Set the device to sound for actions, such as controlling the touchscreen.
- **Advanced sound settings**: Optimise the settings for when media is being played. Refer to Dolby Atmos (surround sound) or Separate app sound for more information.

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** → **Advanced sound settings** → **Sound quality and effects** → **Dolby Atmos**, tap the switch to activate it, and then select a mode.

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.

1. On the Settings screen, tap **Sounds and vibration** → **Advanced sound settings** → **Separate app sound** and tap the switch to activate it.
2. Select an app to play media sounds separately and tap the Back button.
3. Select a device for playing the selected app's media sound.

Notifications

Change the notification settings.

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

- **App icon badges**: Change the settings for app icon badges.
- **Do not disturb**: Set the device to mute incoming calls, notification sounds, and media, except for allowed exceptions.
- **Status bar**: Set the device to display only three recent notifications and whether to show the remaining battery level in percentage on the status bar.
- **Recently sent**: View the apps that received recent notifications and change the notification settings. To customise notification settings for more apps, tap **See all** → ▼ → **All** and select an app from the apps list.

Display

Options

Change the display and the Home screen settings.

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

- **Brightness**: Adjust the brightness of the display.
- **Adaptive 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.
- **Night mode**: Reduce eye strain by applying the dark theme when using the device at night or in a dark place. Refer to Night mode for more information.

- **Screen mode**: Change the screen mode to adjust the display's colour and contrast. Refer to Changing the screen mode or adjusting the display colour for more information.
- **Font size and style**: Change the font size and style.
- **Screen zoom**: Change the screen zoom setting.
- **Screen timeout**: Set the length of time the device waits before turning off the display's backlight.
- **Home screen**: Configure settings for the Home screen, such as the screen grid or layout.
- **Navigation bar**: Change the navigation bar settings. Refer to Navigation bar (soft buttons) for more information.
- **Screensaver**: Set the device to launch a screensaver when the device is charging. Refer to Screensaver for more information.

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 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.

Night mode

Reduce eye strain by applying the dark theme when using the device at night or in a dark place.

- The dark theme may not be applied in some apps.
- You can quickly activate or deactivate night mode on the notification panel. Open the notification panel, swipe downwards, and then tap (**Night mode**).

1 On the Settings screen, tap **Display** → **Night mode** and tap the **Turn on now** switch to activate it.

2 To set the schedule to apply night mode to the screen, tap the **Turn on as scheduled** switch to activate it and select an option.

- **Sunset to sunrise**: Set the device to turn on night mode at night and turn it off in the morning based on your current location.
- **Custom schedule**: Set a specific time to turn on and off night mode.

Changing the screen mode or adjusting the display colour

Change the screen mode or adjust the display colour to your preference.

Changing the screen mode

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

- **Vivid**: This optimises the colour range, saturation, and sharpness of your display. You can also adjust the display colour balance by colour value.
- **Natural**: This adjusts the screen to a natural tone.

- You can adjust the display colour only in **Vivid** mode.
- **Vivid** 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.

On the Settings screen, tap **Display** → **Screen mode** → **Vivid** and adjust the colour adjustment bar under White balance.

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.

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** → **Vivid**.

2 Tap **Advanced settings**.

3 Adjust the **R** (Red), **G** (Green), or **B** (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.

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**.

Lock screen

Options

Change the 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.
- **Roaming clock**: Change the clock to show both the local and home time zones on the locked screen when roaming. (SM-T865, SM-T867)
- **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 how to show notifications on the locked screen.
- **App shortcuts**: Select apps to display shortcuts to them on the locked screen.
- **About Lock screen**: View the Lock screen version and legal information.

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 setup.

Biometrics and security

Options

Change the settings for securing the device.

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

- **Face recognition**: Set the device to unlock the screen by recognising your face. Refer to Face recognition for more information.
- **Fingerprints**: Register your fingerprints to unlock the screen. Refer to Fingerprint recognition for more information.
- **Biometrics preferences**: Change the settings for biometric data.
- **Google Play Protect**: Set the device to check for harmful apps and behaviour and warn about potential harm and remove them.

- **Find My Mobile**: Activate or deactivate the Find My Mobile feature. Access the Find My Mobile website (findmymobile.samsung.com) to track and control your lost or stolen device.
- **Security update**: View the version of your device's software and check for updates.
- **Samsung Pass**: Verify your identity easily and securely via your biometric data. Refer to Samsung Pass for more information.
- **Install unknown apps**: Set the device to allow the installation of apps from unknown sources.
- **Secure Folder**: Create a secure folder to protect your private content and apps from others. Refer to Secure Folder for more information.
- **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.
- **Location**: Change settings for location information permissions.
- **App permissions**: View the list of features and apps that have permission to use them. You can also edit the permission settings.
- **Send diagnostic data**: Set the device to automatically send the device's diagnostic and usage information to Samsung.
- **Receive marketing information**: Set whether to receive Samsung marketing information, such as special offers, membership benefits, and newsletters. (SM-T860)

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. Read the on-screen instructions and tap **Continue**.
3. Set a screen lock method.
4. Select whether you are wearing glasses or not and tap **Continue**.
5. Hold the device with the screen facing towards you and look at the screen.
6. Position your face inside the frame on the screen.

   The camera will scan your face.

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** → **Remove**.

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 set the device to unlock the screen without swiping on the locked screen after recognising your face, tap the **Stay on Lock screen** switch to deactivate 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.
- If you want to increase the recognition rate in a dark place, tap the **Brighten screen** switch to activate it.

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.

Fingerprint recognition

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

- Screen lock
- Secure Folder

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

For better fingerprint recognition

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

- The device may not recognise fingerprints that are affected by wrinkles or scars.
- The device may not recognise fingerprints from small or thin fingers.
- To improve recognition performance, register fingerprints of the hand used most often to perform tasks on the device.

- Your device has a built-in fingerprint recognition sensor at the bottom centre of the screen. Ensure that the screen protector or the touchscreen on the fingerprint recognition sensor area is not scratched or damaged by objects, such as coins, keys, pens, and necklaces.
- Ensure that the fingerprint recognition sensor area at the bottom centre of the screen and your fingers are clean and dry.
- If you bend your finger or use a fingertip, the device may not recognise your fingerprints. Press the screen so that your fingertip spreads over the wide surface of the fingerprint recognition area.
- In dry environments, static electricity can build up in the device. Avoid using this feature in dry environments or before using the feature, discharge static electricity by touching a metal object.

Registering fingerprints

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

2 Unlock the screen using the preset screen lock method.

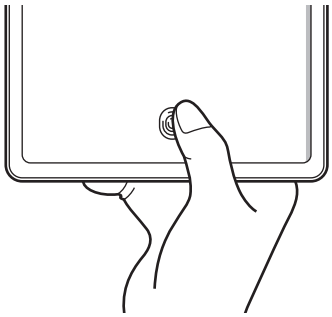
If you have not set a screen lock method, create one.

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

4 Register your fingerprint.

Place your finger on the fingerprint recognition sensor at the bottom of the screen. After the device detects your finger, lift it up and place it on the fingerprint recognition sensor again.

Repeat this action until the fingerprint is registered.



5 When you are finished registering your fingerprints, tap **Done**.

Checking registered fingerprints

You can check whether your fingerprint is registered by placing your finger on the fingerprint recognition sensor.

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

2 Unlock the screen using the preset screen lock method.

3 Tap **Check added fingerprints**.

4 Place your finger on the fingerprint recognition sensor.

The recognition result will be displayed.

Deleting registered fingerprints

You can delete registered fingerprints.

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

2 Unlock the screen using the preset screen lock method.

3 Select a fingerprint to delete and tap **Remove**.

Unlocking the screen with your fingerprints

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

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

2 Unlock the screen using the preset screen lock method.

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

4 On the locked screen, place your finger on the fingerprint recognition sensor and scan your fingerprint.

Samsung Pass

Register your biometric data to Samsung Pass and easily verify your identity when using services which require your login or personal information.

- To use this feature, your device must be connected to a Wi-Fi or mobile network.
- To use this feature, you must sign in to your Samsung account. Refer to Samsung account for more information.
- The website sign-in feature is only available for websites that you access via the **Internet** app. Some websites may not support this feature.
- Registered biometric data is only saved to your device and are not synced with other devices or servers.

Registering Samsung Pass

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

On the Settings screen, tap **Biometrics and security** → **Samsung Pass**. Follow the on-screen instructions to complete the setup.

Verifying the Samsung account password

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

On the Samsung Pass main screen, tap ⋮ → **Settings** → **Samsung account**, and then tap the **Verify 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 ID 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**.

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 ID 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**.

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 Samsung Pass main screen, tap **Sign-in** and select a website or app from the list.

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

To delete your sign-in information, 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, on the Samsung Pass main screen, tap ⋮ → **Partners**. If there are no websites or apps that support Samsung Pass, **Partners** 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.

Entering your personal information automatically

You can use Samsung Pass to easily enter your address or payment card information on apps that support personal information autofill.

1 On the Samsung Pass main screen, tap **Autofill forms** and select **Add address** or **Add card**.

2 Enter the information and tap **Save**.

You can now use the biometric data you registered to Samsung Pass when entering the personal information automatically on supported apps.

Deleting your Samsung Pass data

You can delete your biometric data, sign-in information, and app data registered to Samsung Pass.

- Your agreement to the terms and conditions and your Samsung account will remain active.
- The Samsung Pass data on other devices signed in to your Samsung account will not be deleted.

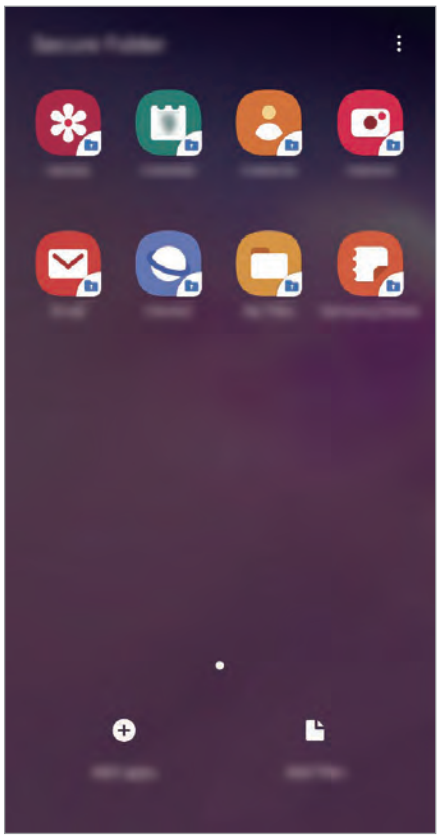
1 On the Samsung Pass main screen, tap ⋮ → **Settings** → **Delete data**.

2 Enter your Samsung account password and tap **OK**.

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.

To use Secure Folder, you must sign in to your Samsung account.

Setting up Secure Folder

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

2 Agree to the terms and conditions of Secure Folder.

3 Enter your Samsung account ID and password and tap **Sign in**.

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

The Secure Folder screen will appear and the Secure Folder app icon( ) will be added to the Apps screen.

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

- 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 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 Store**, tap **Download from Play Store** or **Download from Galaxy Store**.

Removing apps from Secure Folder

Tap and hold an app to delete, and tap **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, open the notification panel, swipe downwards, and then 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 follow the on-screen instructions to complete signing in to your Samsung account.

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

4 Tick items you want to back up and tap **Done**.

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 Tap ▼ to select a device to restore the data.

4 Select the data types you want to restore and tap **Restore**.

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, launch the **My Files** app and tap **Internal storage** → **Secure Folder**.

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

Accounts and backup

Options

Sync, back up, or restore your device's data using Samsung Cloud. You can also sign in to 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 **Accounts and backup**.

- **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.

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

- **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.
- **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.
- **Smart Switch**: Launch Smart Switch and transfer data from your previous device. Refer to Transferring data from your previous device (Smart Switch) for more information.

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.

Users

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

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

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.
- **New user**: This account allows users to access their own apps and content, and customise the device settings that affect all accounts.
- **New restricted account**: A restricted account can only access the apps and content allowed by the administrator account, and cannot use the services that require logging in. (SM-T860, SM-T867)

Adding users

1 On the Settings screen, tap **Accounts and backup** → **Users**.

2 ► SM-T865: Tap **Add user** → **OK** → **Set up now**.

► SM-T860, SM-T867: 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 (SM-T860, SM-T867)

1 On the Settings screen, tap **Accounts and backup** → **Users**.

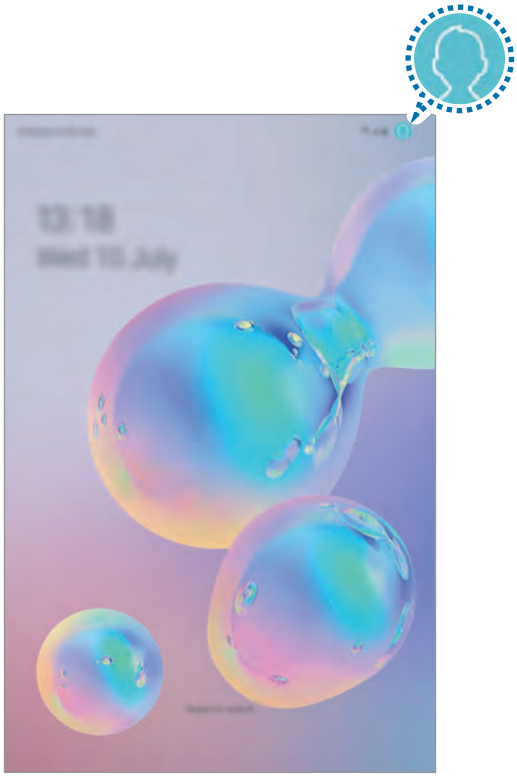
2 Tap **Add user or profile** → **User (restricted profile)** → **Set up screen lock**.

If you are not using a secure screen lock method with the administrator 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

► SM-T865:

When using the administrator account, you can delete accounts or change account settings.

On the Settings screen, tap **Accounts and backup** → **Users**.

To delete a user account, tap ⚙ next to the account and tap **Delete user**.

To change an account's settings, tap ⚙ next to an account.

► SM-T860, SM-T867:

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

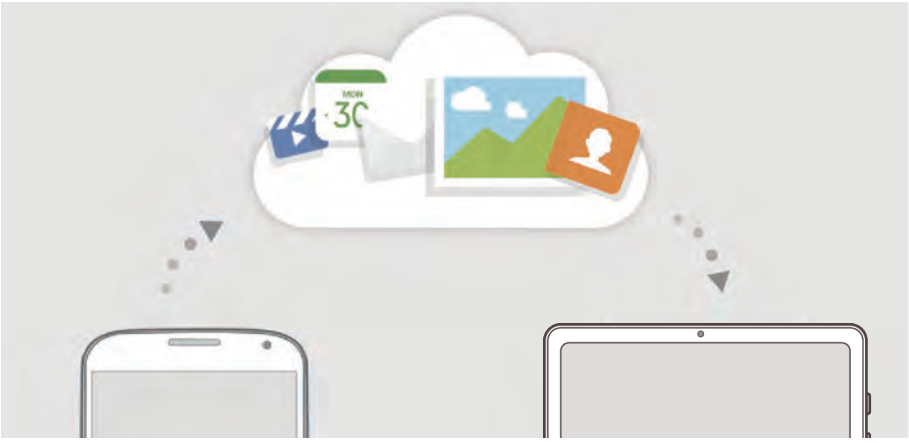
On the Settings screen, tap **Accounts and backup** → **Users**.

To delete a user account, tap 🗑 next to the account.

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

Samsung Cloud

Sync the data saved in your device with Samsung Cloud and view the data you have saved on Samsung Cloud. You can also back up your device's data to Samsung Cloud and restore it later.



To use Samsung Cloud, you must sign in to your Samsung account.

Syncing data

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

1 On the Settings screen, tap **Accounts and backup** → **Samsung Cloud**.

2 Tap ⋮ → **Settings** → **Sync and auto backup settings** → **Sync**.

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

You can check the saved data or change the settings by tapping **Gallery**, **Other synced data**, or **Samsung Cloud Drive**.

Backing up data

You can back up your device's data to Samsung Cloud.

1 On the Settings screen, tap **Accounts and backup** → **Samsung Cloud** → **Back up this tablet**.

2 Tick items you want to back up and tap **Back up**.

3 Tap **Done**.

- Some data will not be backed up. To check which data will be backed up, on the Settings screen, tap **Accounts and backup** → **Samsung Cloud** → **Back up this tablet**.
- To view the backup data for other devices in your Samsung Cloud, on the Settings screen, tap **Accounts and backup** → **Samsung Cloud** → **Restore data** → ▼, and then select a device you want.

Restoring data

You can restore your backup data from Samsung Cloud to your device.

1 On the Settings screen, tap **Accounts and backup** → **Samsung Cloud**.

2 Tap **Restore data** → ▼ and select a device you want.

3 Tick items you want to restore and tap **Restore**.

Google

Configure settings for some features provided by Google.

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

Advanced features

Options

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 actions**, **Air command**, **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 features. Refer to Daily Board for more information.
- **Bixby Routines**: Add routines to automate settings that you use repeatedly. The device also suggests useful routines according to your frequent situations. Refer to Bixby Routines for more information.
- **Side key**: Select an app or feature to launch using the Side key.
- **Call & text on other devices**: Use your device's calling and messaging features on other devices signed in to your Samsung account.

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

- **Smart pop-up view**: Select apps to view their notifications via pop-up windows. When using this feature, you can quickly view the contents via pop-up windows by tapping the icon on the screen.

  This feature is only available in apps that support the Multi window feature.

- **Screenshots and screen recorder**: Change the settings for screenshots and screen recorder.
- **Direct share**: Set the device to display the people you contacted on the sharing options panel to allow you to share content directly.
- **Reduce animations**: Set the device to reduce the screen effects of certain actions, such as opening or closing apps.
- **Motions and gestures**: Activate the motion feature and configure settings. Refer to Motions and gestures for more information.
- **Game Launcher**: Activate the Game Launcher. Refer to Game Launcher for more information.

Motions and gestures

Activate the motion feature and configure settings.

On the Settings screen, tap **Advanced features** → **Motions and gestures**.

- **Double tap to wake**: Set the device to turn on the screen by double-tapping anywhere on the screen while the screen is turned off.
- **Smart stay**: Set the device to prevent the display from turning off while you are looking at it.
- **Easy mute**: Set the device to mute incoming calls or alarms by using palm motions.
- **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**.

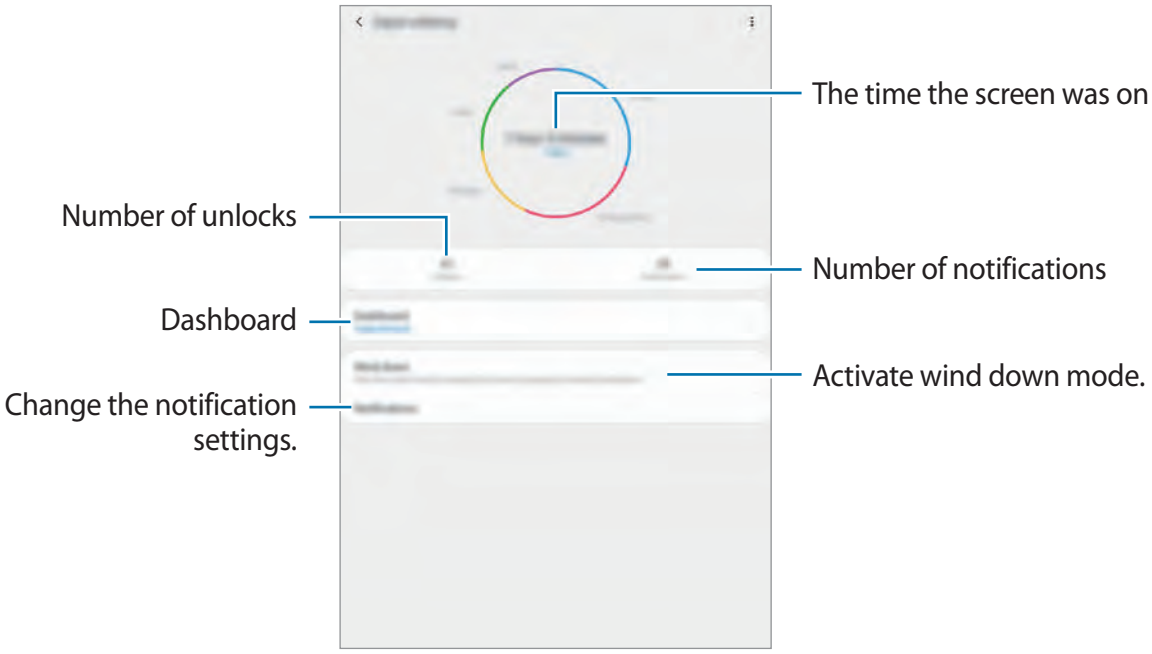
It is not possible to capture a screenshot while using some apps and features.

- **Swipe to call or send messages**: Set the device to make a call or send a message when you swipe to the right or left on a contact or a phone number in the **Phone** or **Contacts** app. (SM-T865)

Digital wellbeing

View the daily usage history of your device. You can see information such as how long the screen was on and how many times you opened apps or used certain features. You can also limit usage time or change the notification settings for each app.

On the Settings screen, tap **Digital wellbeing**.



Setting timers for apps

You can limit the daily usage time for each app by setting a timer. When you reach the limit, the app will be deactivated and you cannot use it.

1 On the Settings screen, tap **Digital wellbeing** → **Dashboard**.

2 Tap **No timer** next the app you want and set the time.

Activating wind down mode

You can activate wind down mode to reduce eye strain before sleeping and prevent your sleep from being disturbed.

1 On the Settings screen, tap **Digital wellbeing** → **Wind down** and tap the **Turn on now** switch to activate it.

2 Turn on the switch to activate the feature you want.

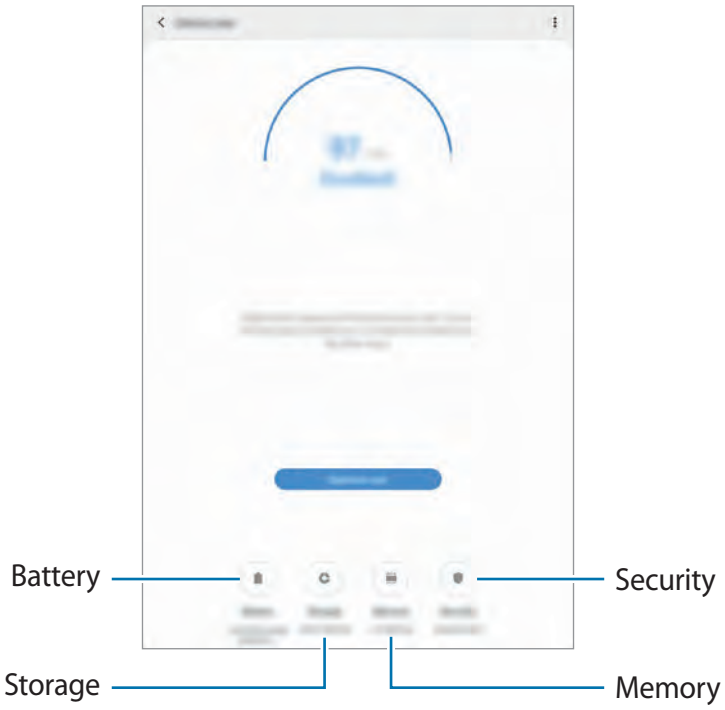
- **Greyscale**: Displays colours on the screen as grey tones.
- **Do not disturb**: Set the device to mute incoming calls, notification sounds, and media, except for allowed exceptions.

3 To set the schedule to activate wind down mode, tap the **Turn on as scheduled** switch to activate it, tap **Set schedule**, and then set the time.

Device care

Introduction

The device care 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.



Optimising your device

On the Settings screen, tap **Device care** → **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.

Using the auto optimisation feature

You can set the device to perform auto optimisation when your device is not in use. Tap ⋮ → **Auto optimisation** and tap the switch to activate it. If you want to set the time to perform auto optimisation, tap **Time**.

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 care** → **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 mode

Select a power mode that suits your device usage purposes.

Tap **Power mode** and select an option.

- **Optimised**: Optimised for a balance between the device's performance and battery usage.
- **Medium power saving**: Activate power saving mode to extend the battery's usage time.

- **Maximum power saving**

  ► SM-T865, SM-T867: In maximum power saving mode, the device decreases battery consumption by activating night mode and limiting the apps and features available. Network connections, except for the mobile network, will be deactivated.

  ► SM-T860: In maximum power saving mode, the device decreases battery consumption by activating night mode and limiting the apps and features available.

Adaptive power saving

You can set the device to activate power saving mode automatically based on your usage patterns and the remaining battery power.

Tap **Power mode** and tap the **Adaptive power saving** switch to activate it. Your device will activate power saving mode based on the situation to extend the battery's usage time.

Managing battery usage for each app

You can save battery power by preventing apps that are running in the background from using battery power when they are not being used. Select apps from the apps list and tap the **Put app to sleep** switch to activate the feature.

Storage

Check the status of the used and available memory.

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

To speed up your device by stopping apps running in the background, tick apps from the apps list, and tap **Clean now**.

Security

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

On the Settings screen, tap **Device care** → **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**.

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.
- **Reset**: Reset your device's settings or perform a factory data reset. You can reset all your settings, or only network settings, or accessibility 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 **Apply**. If an app does not support the default language, the next supported language in the list will be used.

Accessibility

Configure various settings to improve accessibility to the device.

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

- **Screen reader**: Activate Voice Assistant, which provides voice feedback. To view help information to learn how to use this feature, tap **Tutorial**.
- **Visibility enhancements**: Customise the settings to improve accessibility for visually impaired users.
- **Hearing enhancements**: Customise the settings to improve accessibility for users with hearing impairment.
- **Interaction and dexterity**: Customise the settings to improve accessibility for users who have reduced dexterity.
- **Advanced settings**: Configure settings for Direct access and notification features.
- **Installed services**: View accessibility services installed on the device.

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 and install**: Check for and install updates manually.
- **Auto download over Wi-Fi**: Set the device to download updates automatically when connected to a Wi-Fi network.
- **Last update**: 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**

  ► SM-T865, SM-T867: View various device information, such as the SIM card status, Wi-Fi MAC address, and serial number.

  ► SM-T860: 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 Side 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.

Calls are not connected

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

Others cannot hear you speaking on a call

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

Sound echoes during a call

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

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

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

The battery 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** → **Reset** 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 care feature or manually delete unused apps or files to free up storage space.

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.

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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Health and safety information

Exposure to Radio Frequency (RF) Signals

Certification Information (SAR)

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

The exposure limit set by the FCC for wireless mobile devices employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of absorption of RF energy by the human body expressed in units of watts per kilogram (W/kg). The FCC requires wireless devices to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg). The FCC exposure limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

SAR tests are conducted using standard operating positions accepted by the FCC with the device transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the device while operating can be well below the maximum value. This is because the device is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a new model device is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the exposure limit established by the FCC. Tests for each model device are performed in positions and locations as required by the FCC.

Non-compliance with the above restrictions may result in violation of FCC RF exposure guidelines.

SAR information on this and other model devices can be viewed on-line at www.fcc.gov/oet/fccid. This site uses the device FCC ID number A3LSMT865.

Sometimes it may be necessary to remove the battery pack to find the number. Once you have the FCC ID number for a particular device, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular device. Additional product specific SAR information can also be obtained at www.fcc.gov/cgb/sar.

Consumer Information on Wireless devices

The U.S. Food and Drug Administration (FDA) has published a series of Questions and Answers for consumers relating to radio frequency (RF) exposure from wireless devices. The FDA publication includes the following information:

What kinds of devices are the subject of this update?

The term wireless device refers here to hand-held wireless devices with built-in antennas, often called "cell," "mobile," or "PCS" devices. These types of wireless devices can expose the user to measurable radio frequency energy (RF) because of the short distance between the device and the user¡¯s head. These RF exposures are limited by Federal Communications Commission safety guidelines that were developed with the advice of FDA and other federal health and safety agencies. When the device is located at greater distances from the user, the exposure to RF is drastically lower because a person¡¯s RF exposure decreases rapidly with increasing distance from the source. The so-called ¡° cordless devices,¡± which have a base unit connected to the telephone wiring in a house, typically operate at far lower power levels, and thus produce RF exposures well within the FCC¡¯s compliance limits.

Do wireless devices pose a health hazard?

The available scientific evidence does not show that any health problems are associated with using wireless devices. There is no proof, however, that wireless devices are absolutely safe. Wireless devices emit low levels of radio frequency energy (RF) in the microwave range while being used. They also emit very low levels of RF when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects may occur, but such findings have not been confirmed by additional research. In some cases, other researchers have had difficulty in reproducing those studies, or in determining the reasons for inconsistent results.

What is FDA's role concerning the safety of wireless devices?

Under the law, FDA does not review the safety of radiation-emitting consumer products such as wireless devices before they can be sold, as it does with new drugs or medical devices. However, the agency has authority to take action if wireless devices are shown to emit radio frequency energy (RF) at a level that is hazardous to the user. In such a case, FDA could require the manufacturers of wireless devices to notify users of the health hazard and to repair, replace or recall the devices so that the hazard no longer exists.

Although the existing scientific data do not justify FDA regulatory actions, FDA has urged the wireless device industry to take a number of steps, including the following:

•”Support needed research into possible biological effects of RF of the type emitted by wireless devices;

•”Design wireless devices in a way that minimizes any RF exposure to the user that is not necessary for device function; and

•”Cooperate in providing users of wireless devices with the best possible information on possible effects of wireless device use on human health.

FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of RF safety to ensure coordinated efforts at the federal level. The following agencies belong to this working group:

•”National Institute for Occupational Safety and Health

•”Environmental Protection Agency

•”Federal Communications Commission

•”Occupational Safety and Health Administration

•”National Telecommunications and Information Administration

The National Institutes of Health participates in some interagency working group activities, as well.

FDA shares regulatory responsibilities for wireless devices with the Federal Communications Commission (FCC). All devices that are sold in the United States must comply with FCC safety guidelines that limit RF exposure. FCC relies on FDA and other health agencies for safety questions about wireless devices.

FCC also regulates the base stations that the wireless device networks rely upon. While these base stations operate at higher power than do the wireless devices themselves, the RF exposures that people get from these base stations are typically thousands of times lower than those they can get from wireless devices. Base stations are thus not the primary subject of the safety questions discussed in this document.

What are the results of the research done already?

The research done thus far has produced conflicting results, and many studies have suffered from flaws in their research methods. Animal experiments investigating the effects of radio frequency energy (RF) exposures characteristic of wireless devices have yielded conflicting results that often cannot be repeated in other laboratories. A few animal studies, however, have suggested that low levels of RF could accelerate the development of cancer in laboratory animals. However, many of the studies that showed increased tumor development used animals that had been genetically engineered or treated with cancer-causing chemicals so as to be pre-disposed to develop cancer in absence of RF exposure. Other studies exposed the animals to RF for up to 22 hours per day. These conditions are not similar to the conditions under which people use wireless devices, so we don¡¯t know with certainty what the results of such studies mean for human health.

Three large epidemiology studies have been published since December 2000. Between them, the studies investigated any possible association between the use of wireless devices and primary brain cancer, glioma, meningioma, or acoustic neuroma, tumors of the brain or salivary gland, leukemia, or other cancers. None of the studies demonstrated the existence of any harmful health effects from wireless devices RF exposures. However, none of the studies can answer questions about long-term exposures, since the average period of device use in these studies was around three years.

What research is needed to decide whether RF exposure from wireless devices poses a health risk?

A combination of laboratory studies and epidemiological studies of people actually using wireless devices would provide some of the data that are needed. Lifetime animal exposure studies could be completed in a few years. However, very large numbers of animals would be needed to provide reliable proof of a cancer promoting effect if one exists. Epidemiological studies can provide data that is directly applicable to human populations, but ten or more years¡¯ follow-up may be needed to provide answers about some health effects, such as cancer. This is because the interval between the time of exposure to a cancer-causing agent and the time tumors develop - if they do - may be many, many years. The interpretation of epidemiological studies is hampered by difficulties in measuring actual RF exposure during day-to-day use of wireless devices. Many factors affect this measurement, such as the angle at which the device is held, or which model of device is used.

What is FDA doing to find out more about the possible health effects of wireless device RF?

FDA is working with the U.S. National Toxicology Program and with groups of investigators around the world to ensure that high priority animal studies are conducted to address important questions about the effects of exposure to radio frequency energy (RF).

FDA has been a leading participant in the World Health Organization international Electromagnetic Fields (EMF) Project since its inception in 1996. An influential result of this work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world. The Project has also helped develop a series of public information documents on EMF issues.

FDA and Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless device safety. FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations. CTIA-funded research is conducted through contracts to independent investigators. The initial research will include both laboratory studies and studies of wireless device users. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

What steps can I take to reduce my exposure to radio frequency energy from my wireless device?

If there is a risk from these products - and at this point we do not know that there is - it is probably very small. But if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your exposure to radio frequency energy (RF). Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless device will reduce RF exposure.

•"If you must conduct extended conversations by wireless device every day, you could place more distance between your body and the source of the RF, since the exposure level drops off dramatically with distance. For example, you could use a headset and carry the wireless device away from your body or use a wireless device connected to a remote antenna.

Again, the scientific data do not demonstrate that wireless devices are harmful. But if you are concerned about the RF exposure from these products, you can use measures like those described above to reduce your RF exposure from wireless device use.

What about children using wireless devices?

The scientific evidence does not show a danger to users of wireless devices, including children and teenagers. If you want to take steps to lower exposure to radio frequency energy (RF), the measures described above would apply to children and teenagers using wireless devices. Reducing the time of wireless device use and increasing the distance between the user and the RF source will reduce RF exposure.

Some groups sponsored by other national governments have advised that children be discouraged from using wireless devices at all. For example, the government in the United Kingdom distributed leaflets containing such a recommendation in December 2000. They noted that no evidence exists that using a wireless device causes brain tumors or other ill effects. Their recommendation to limit wireless device use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

Do hands-free kits for wireless devices reduce risks from exposure to RF emissions?

Since there are no known risks from exposure to RF emissions from wireless devices, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used with wireless devices for convenience and comfort. These systems reduce the absorption of RF energy in the head because the device, which is the source of the RF emissions, will not be placed against the head. On the other hand, if the device is mounted against the waist or other part of the body during use, then that part of the body will absorb more RF energy. Wireless devices marketed in the U.S. are required to meet safety requirements regardless of whether they are used against the head or against the body. Either configuration should result in compliance with the safety limit.

Do wireless device accessories that claim to shield the head from RF radiation work?

Since there are no known risks from exposure to RF emissions from wireless devices, there is no reason to believe that accessories that claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special device cases, while others involve nothing more than a metallic accessory attached to the device. Studies have shown that these products generally do not work as advertised. Unlike ¡°hand-free¡± kits, these so-called ¡°shields¡± may interfere with proper operation of the device. The device may be forced to boost its power to compensate, leading to an increase in RF absorption. In February 2002, the Federal trade Commission (FTC) charged two companies that sold devices that claimed to protect wireless device users from radiation with making false and unsubstantiated claims. According to FTC, these defendants lacked a reasonable basis to substantiate their claim.

What about wireless device interference with medical equipment?

Radio frequency energy (RF) from wireless devices can interact with some electronic devices. For this reason, FDA helped develop a detailed test method to measure electromagnetic interference (EMI) of implanted cardiac pacemakers and defibrillators from wireless telephones. This test method is now part of a standard sponsored by the Association for the Advancement of Medical instrumentation (AAMI). The final draft, a joint effort by FDA, medical device manufacturers, and many other groups, was completed in late 2000. This standard will allow manufacturers to ensure that cardiac pacemakers and defibrillators are safe from wireless device EMI. FDA has tested wireless devices and helped develop a voluntary standard sponsored by the Institute of Electrical and Electronic Engineers (IEEE). This standard specifies test methods and performance requirements for hearing aids and wireless devices so that no interference occurs when a person uses a compatible device and a compatible hearing aid at the same time. This standard was approved by the IEEE in 2000.

FDA continues to monitor the use of wireless devices for possible interactions with other medical devices. Should harmful interference be found to occur, FDA will conduct testing to assess the interference and work to resolve the problem.

Additional information on the safety of RF exposures from various sources can be obtained from the following organizations:

- FCC RF Safety Program : ttp://www.fcc.gov/oet/rfsafety/
- Environmental Protection Agency (EPA) : http://www.epa.gov/radiation/
- Occupational Safety and Health Administration's (OSHA) : ttp://www.osha.gov/SLTC/radiofrequencyradiation/index.html
- National institute for Occupational Safety and Health (NIOSH) : http://www.cdc.gov/niosh/emfpg.html
- World health Organization (WHO): http://www.who.int/peh-emf/
- International Commission on Non-Ionizing Radiation Protection: http://www.icnirp.de
- National Radiation Protection Board (UK): http://www.nrpb.org.uk
- Updated 4/3/2002: US food and Drug Administration http://www.fda.gov/cellphones

Road Safety

Your wireless device gives you the powerful ability to communicate by voice, almost anywhere, anytime. But an important responsibility accompanies the benefits of wireless devices, one that every user must uphold.

When driving a car, driving is your first responsibility. When using your wireless device behind the wheel of a car, practice good common sense and remember the following tips:

1 Get to know your wireless device and its features, such as speed dial and redial. If available, these features help you to place your call without taking your attention off the road.

2 When available, use a hands-free device. If possible, add an additional layer of convenience and safety to your wireless device with one of the many hands free accessories available today.

3 Position your wireless device within easy reach. Be able to access your wireless device without removing your eyes from the road. If you get an incoming call at an inconvenient time, let your voice mail answer it for you.

4 Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow, ice and even heavy traffic can be hazardous.

5 Do not take notes or look up device numbers while driving. Jotting down a ¡°to do¡± list or flipping through your address book takes attention away from your primary responsibility, driving safely.

6 Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan calls when your car will be stationary. If you need to make a call while moving, dial only a few numbers, check the road and your mirrors, then continue.

7 Do not engage in stressful or emotional conversations that may be distracting. Make people you are talking with aware you are driving and suspend conversations that have the potential to divert your attention from the road.

8 Use your wireless device to call for help. Dial 9-1-1 or other local emergency number in the case of fire, traffic accident or medical emergencies. Remember, it is a free call on your wireless device!

9 Use your wireless device to help others in emergencies. If you see an auto accident, crime in progress or other serious emergency where lives are in danger, call 9-1-1 or other local emergency number, as you would want others to do for you.

10 Call roadside assistance or a special non-emergency wireless assistance number when necessary. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or other special non-emergency number.

"The wireless industry reminds you to use your device safely when driving."

For more information, please call 1-888-901-SAFE, or visit our web-site www.wow-com.com

Provided by the Cellular Telecommunications & Internet Association

Operating Environment

Remember to follow any special regulations in force in any area and always switch your device off whenever it is forbidden to use it, or when it may cause interference or danger. When connecting the device or any accessory to another device, read its user¡¯s guide for detailed safety instructions. Do not connect incompatible products.

As with other mobile radio transmitting equipment, users are advised that for the satisfactory operation of the equipment and for the safety of personnel, it is recommended that the equipment should only be used in the normal operating position (held to your ear with the antenna pointing over your shoulder).

Using Your device Near Other Electronic Devices

Most modern electronic equipment is shielded from radio frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless device. Consult the manufacturer to discuss alternatives.

Pacemakers

Pacemaker manufacturers recommend that a minimum distance of 15 cm (6 inches) be maintained between a wireless device and a pacemaker to avoid potential interference with the pacemaker.

These recommendations are consistent with the independent research and recommendations of Wireless Technology Research. If you have any reason to suspect that interference is taking place, switch off your device immediately.

Persons with pacemakers:

- should always keep the device more than 15 cm (6 inches) from their pacemaker when the device is switched on.
- should not carry the device in a breast pocket.
- should use the ear opposite the pacemaker to minimize potential interference.

If you have any reason to suspect that interference is taking place, switch your device off immediately.

Hearing Aids

Some digital wireless devices may interfere with some hearing aids. In the event of such interference, you may wish to consult your hearing aid manufacturer to discuss alternatives.

Other Medical Devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch your device off in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Switch your device off in any facility where posted notices require you to do so.

Statics Devices

When camera is in operation, Your device should not be near devices that produces static field.

Potentially Explosive Environments

Switch your device off when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Users are advised to switch the device off while at a refueling point (service station). Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants or where blasting operations are in progress.

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include the areas below decks on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

Emergency Calls

This device, like any wireless device, operates using radio signals, wireless and landline networks as well as user programmed functions, which cannot guarantee connection in all conditions. Therefore, you should never rely solely on any wireless device for essential communications (medical emergencies, for example).

Remember, to make or receive any calls the device must be switched on and in a service area with adequate signal strength. Emergency calls may not be possible on all wireless device networks or when certain network services and/or device features are in use. Check with local service providers.

To make an emergency call:

1 If the device is not on, switch it on.

2 Key in the emergency number for your present location (for example, 911 or other official emergency number). Emergency numbers vary by location.

3 Press [ ].

If certain features are in use (call barring, for example), you may first need to deactivate those features before you can make an emergency call. Consult this document and your local cellular service provider.

When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your device may be the only means of communication at the scene of an accident; do not cut off the call until given permission to do so.

Restricting Children¡¯s access to your device

Your device is not a toy. Children should not be allowed to play with it because they could hurt themselves and others, damage the device or make calls that increase your device bill.

FCC Notice and Cautions

FCC Notice

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and,f not installed and used in accordance with the instructions, may cause harmful interference to radio communications.However, there is no guarantee that interference will not occur in a particular installation.If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the

interference by one or more of the following measures:

- Reorient or relocate the receiving antenna. -Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the device if such interference cannot be eliminated.

Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association, One Battery march Park, Quincy, MA 02269, Attn: Publication Sales Division.

Cautions

Changes or modifications made in the radio device, not expressly approved by Samsung, will void the user¡¯s authority to operate the equipment.

Only use approved batteries, antennas and chargers. The use of any unauthorized accessories may be dangerous and void the device warranty if said accessories cause damage or a defect to the device.

Although your device is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending or sitting on it.

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Other Important Safety Information

- Only qualified personnel should service the device or install the device in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.
- Check regularly that all wireless device equipment in your vehicle is mounted and operating properly.
- Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the device, its parts or accessories.
- For vehicles equipped with an air bag, remember that an air bag inflates with great force.Do not place objects, including both installed or portable wireless equipment in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.

- Switch off your device before boarding an aircraft. It is dangerous and illegal to use wireless devices in an aircraft because they can interfere with the operation of the aircraft.

- Failure to observe these instructions may lead to the suspension or denial of telephone services to the offender, or legal action, or both.

Product Performance

Getting the Most Out of Your Signal Reception

The quality of each call you make or receive depends on the signal strength in your area. Your device informs you of the current signal strength by displaying a number of bars next to the signal strength icon. The more bars displayed, the stronger the signal.

If you¡¯re inside a building, being near a window may give you better reception.

Understanding the Power Save Feature

If your device is unable to find a signal after 15 minutes of searching, a Power Save feature is automatically activated. If your device is active, it periodically rechecks service availability or you can check it yourself by pressing any key.

Anytime the Power Save feature is activated, a message displays on the screen. When a signal is found, your device returns to standby mode.

Maintaining Your device's Peak Performance

For the best care of your device, only authorized personnel should service your device and accessories. Faulty service may void the warranty.

There are several simple guidelines to operating your device properly and maintaining safe, satisfactory service.

- Hold the device with the antenna raised, fully-extended and over your shoulder.
- Try not to hold, bend or twist the device¡¯s antenna.
- Don¡¯t use the device if the antenna is damaged.
- Speak directly into the device's receiver.
- Avoid exposing your device and accessories to rain or liquid spills. If your device does get wet, immediately turn the power off and remove the battery. If it is inoperable, call Customer Care for service.

Availability of Various Features/Ring Tones

Many services and features are network dependent and may require additional subscription and/or usage charges. Not all features are available for purchase or use in all areas. Downloadable Ring Tones may be available at an additional cost. Other conditions and restrictions may apply. See your service provider for additional information.

Battery Standby and Talk Time

Standby and talk times will vary depending on device usage patterns and conditions. Battery power consumption depends on factors such as network configuration, signal strength, operating temperature, features selected, frequency of calls, and voice, data, and other application usage patterns.

Battery Precautions

- Never use any charger or battery that is damaged in any way.
- Use the battery only for its intended purpose.
- If you use the device near the network¡¯s base station, it uses less power; talk and standby time are greatly affected by the signal strength on the cellular network and the parameters set by the network operator.
- Battery charging time depends on the remaining battery charge and the type of battery and charger used. The battery can be charged and discharged hundreds of times, but it will gradually wear out. When the operation time (talk time and standby time) is noticeably shorter than normal, it is time to buy a new battery.
- If left unused, a fully charged battery will discharge itself over time.
- Use only Samsung-approved batteries and recharge your battery only with Samsung-approved chargers. When a charger is not in use, disconnect it from the power source. Do not leave the battery connected to a charger for more than a week, since overcharging may shorten its life.
- Extreme temperatures will affect the charging capacity of your battery: it may require cooling or warming first.
- Do not leave the battery in hot or cold places, such as in a car in summer or winter conditions, as you will reduce the capacity and lifetime of the battery. Always try to keep the battery at room temperature. A device with a hot or cold battery may temporarily not work, even when the battery is fully charged. Li-ion batteries are particularly affected by temperatures below 0℃ (32 ℉).
- Do not short-circuit the battery. Accidental short- circuiting can occur when a metallic object (coin, clip or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.
- Dispose of used batteries in accordance with local regulations. In some areas, the disposal of batteries in household or business trash may be prohibited. For safe disposal options for Li-Ion batteries, contact your nearest Samsung authorized service center. Always recycle. Do not dispose of batteries in a fire.

Care and Maintenance

Your device is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years.

- Keep your device and all its parts and accessories out of the reach of small children and pets. They may accidentally damage these things or choke on small parts.
- Keep the device dry. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits.
- Do not use the device with a wet hand. Doing so may cause an electric shock to you or damage to the device.
- Do not use or store the device in dusty, dirty areas, as its moving parts may be damaged.
- Do not store the device in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the device in cold areas. When the device warms up to its normal operating temperature, moisture can form inside the device, which may damage the device's electronic circuit boards.
- Do not drop, knock or shake the device. Rough handling can break internal circuit boards.
- Do not use harsh chemicals, cleaning solvents or strong detergents to clean the device. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.
- Do not paint the device. Paint can clog the device¡¯s moving parts and prevent proper operation.
- Do not put the device in or on heating devices, such as a microwave oven, a stove or a radiator. The device may explode when overheated.
- When the device or battery gets wet, the label indicating water damage inside the device changes color. In this case, device repairs are no longer guaranteed by the manufacturer¡¯s warranty, even if the warranty for your device has not expired.
- If your device has a flash or light, do not use it too close to the eyes of people or animals. This may cause damage to their eyes.
- Use only the supplied or an approved replacement antenna. Unauthorized antennas or modified accessories may damage the device and violate regulations governing radio devices.
- If the device, battery, charger or any accessory is not working properly, take it to your nearest qualified service facility. The personnel there will assist you, and if necessary, arrange for service.

* Some of the contents of this manual may differ from your device, depending on the software installed or your service provider.

SAMSUNG ELECTRONICS

World Wide Web
http://www.samsungmobile.com