

SAMSUNG

SM-T820

User Manual

Table of Contents

Basics

- 4 Read me first
- 5 Helpful tips if your device heats up
- 8 Package contents
- 9 Device layout
- 13 Battery
- 17 Memory card (microSD card)
- 20 Turning the device on and off
- 21 Controlling the touchscreen
- 24 Home screen
- 29 Lock screen
- 31 Notification panel
- 33 Entering text
- 35 Screen capture
- 36 Opening apps
- 37 S Pen features
- 44 Secure Folder
- 47 Multi window
- 51 Samsung account
- 52 Transferring data from your previous device
- 55 Device and data management
- 57 QUICK CONNECT
- 60 Sharing features

Applications

- 61 Installing or uninstalling apps
- 63 Contacts
- 66 Internet
- 67 Email
- 68 Camera
- 80 Gallery
- 84 Game Launcher
- 87 Samsung Notes
- 92 PEN.UP
- 94 Calendar
- 96 Samsung Flow
- 96 My Files
- 97 Clock
- 98 Calculator
- 98 Google apps

Settings

- 100 Introduction
- 100 Connections
- 106 Sounds and vibration
- 107 Notifications
- 107 Display
- 108 Wallpaper
- 108 Advanced features
- 109 Device maintenance
- 111 Apps
- 111 Lock screen and security
- 116 Cloud and accounts
- 119 Google
- 120 Accessibility
- 120 General management
- 121 Software update
- 121 About device

Appendix

- 122 Troubleshooting
- 127 Removing the battery

Health and Safety

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 customize the operating system may cause the device or apps to work improperly.
- Software, sound sources, wallpapers, images, and other media provided with this device are licensed for limited use. Extracting and using these materials for commercial or other purposes is an infringement of copyright laws. Users are entirely responsible for illegal use of media.
- Default apps that come with the device are subject to updates and may no longer be supported without prior notice. If you have questions about an app provided with the device, contact a Samsung Service Centre. For user-installed apps, contact service providers.
- Modifying the device's operating system or installing softwares from unofficial sources may result in device malfunctions and data corruption or loss. These actions are violations of your Samsung licence agreement and will void your warranty.
- Be careful not to forget your unlock codes for the screen lock, accounts, and other security features. If you forget an unlock code, you will not be able to use the device if you do not reset it. Samsung is not responsible for any data loss or inconvenience caused by forgotten unlock codes.

Instructional icons



Warning: situations that could cause injury to yourself or others



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

Helpful tips if your device heats up

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.

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.

- 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 using the Screen Mirroring feature (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 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, or pencil lead
- When you are roaming

Do the following when the device heats up:

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

Device limitations when the device overheats

When the device heats up, the features and performance may be limited or the device may turn off to cool down.

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

Precautions for operating environment

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

- Do not store your device in very cold or very hot temperatures.
- Do not expose your device to direct sunlight for extended periods.
- Do not use or store your device for extended periods in very hot areas, such as inside a car in the summertime.

- Do not place the device in any areas that may overheat, such as on an electric heating mat.
- Do not store your device near or in heaters, microwaves, hot cooking equipment, or high pressure containers.
- 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.
- Never use a damaged charger or battery.

Package contents

Check the product box for the following items:

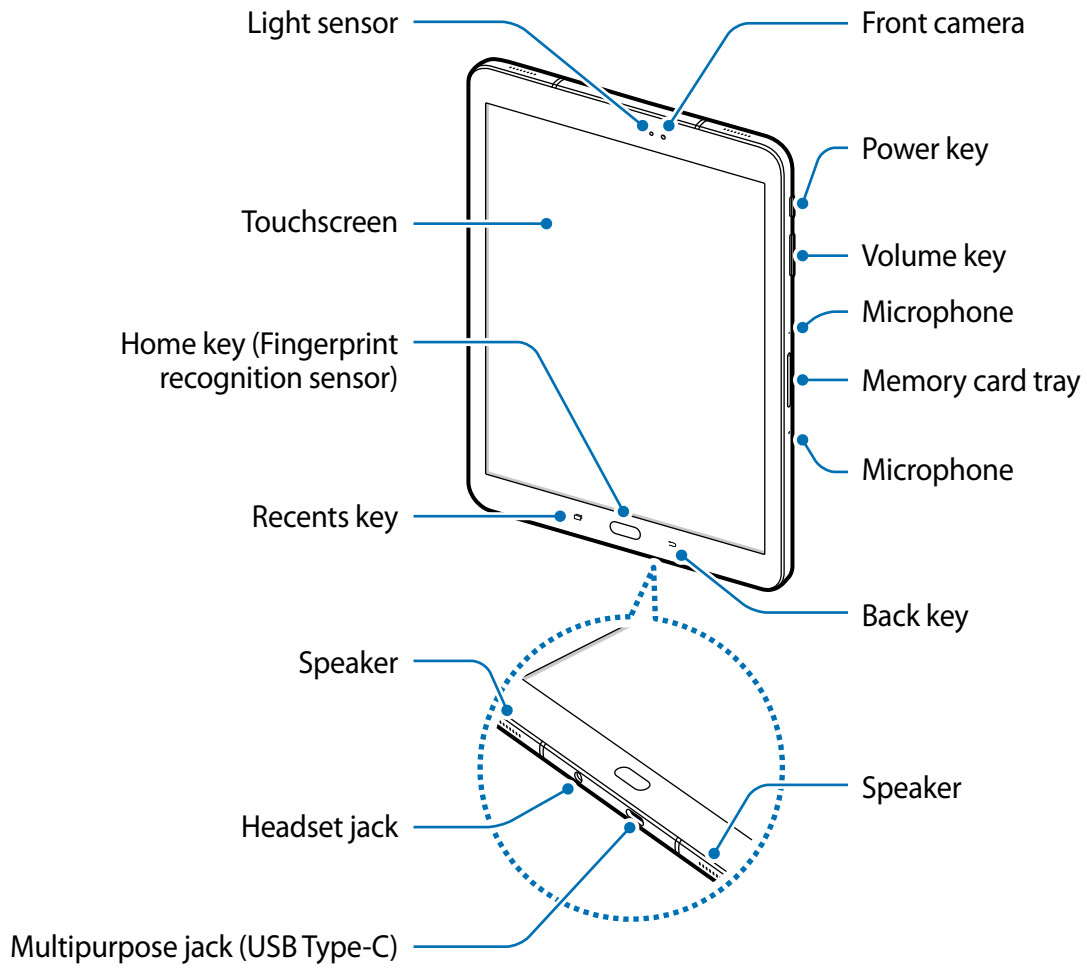
- Device
- S Pen
- USB cable
- USB power adapter
- Quick start guide

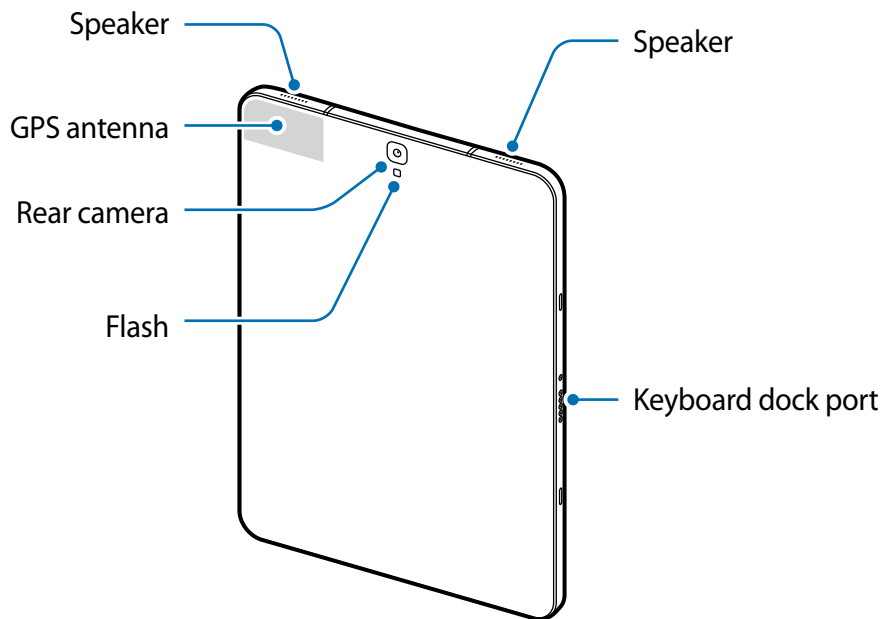


- The items supplied with the device and any available accessories may vary depending on the region or service provider.
- The supplied items are designed only for this device and may not be compatible with other devices.
- Appearances and specifications are subject to change without prior notice.
-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

Device layout

Device





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



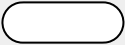




Do not store your device and the Keyboard Cover near magnetic fields. Magnetic stripe cards, including credit cards, phone cards, passbooks, and boarding passes, may be damaged by magnetic fields.

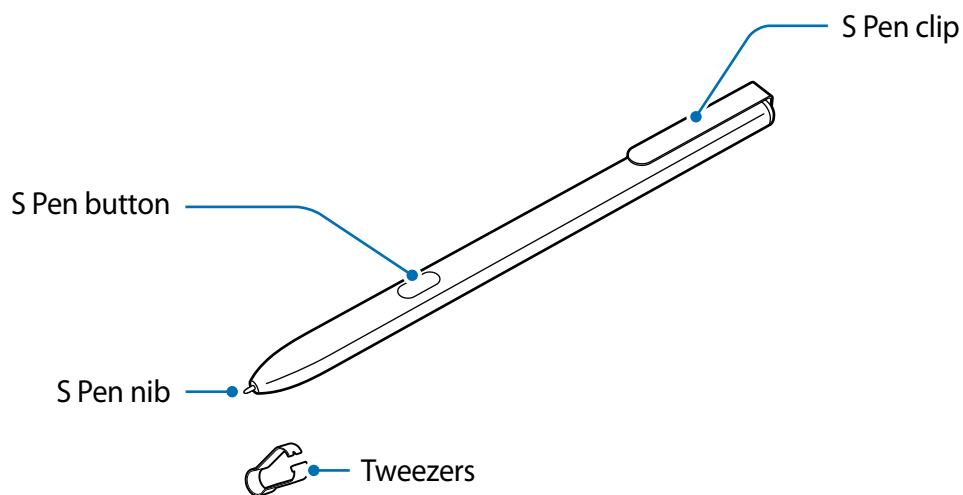


- Connectivity problems and battery drain may occur in the following situations:
 - If you attach metallic stickers on the antenna area of the device
 - If you attach a device cover made with metallic material to the device
- Using a Samsung-approved screen protector is recommended. Unapproved screen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

Keys

Key	Function
 Power	<ul style="list-style-type: none"> • Press and hold to turn the device on or off. • Press to turn on or lock the screen.
 Recents	<ul style="list-style-type: none"> • Tap to open the list of recent apps.
 Home	<ul style="list-style-type: none"> • Press to turn on the screen while the screen is locked. • Press to return to the Home screen. • Press and hold to launch Google.
 Back	<ul style="list-style-type: none"> • Tap to return to the previous screen. • Tap and hold to access additional options for the current screen.
 Volume	<ul style="list-style-type: none"> • Press to adjust the device volume.

S Pen



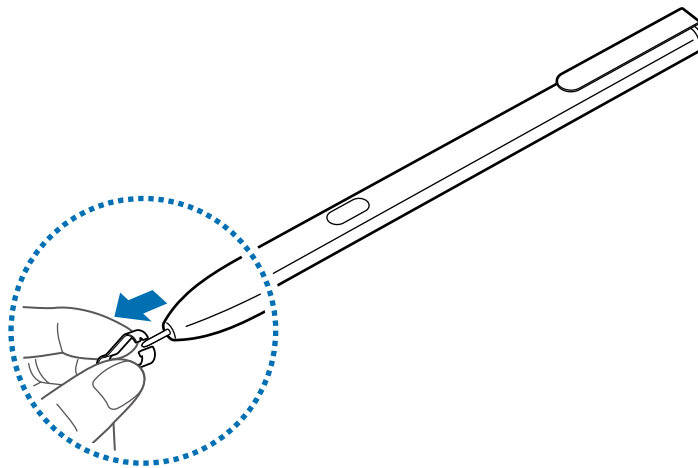
Name	Functions
S Pen nib	<ul style="list-style-type: none"> • Use the S Pen to write, draw, or perform touch actions on the screen. The Recents key and the Back key can be used with the S Pen. • Hover the S Pen over items on the screen to access additional S Pen features, such as the Air view feature.

Name	Functions
S Pen button	<ul style="list-style-type: none">• Hover the S Pen over the screen and press the S Pen button to display the Air command features.• While pressing and holding the S Pen button, drag the S Pen over items to select them.
Tweezers	<ul style="list-style-type: none">• Remove the S Pen nib with the tweezers when replacing the nib.

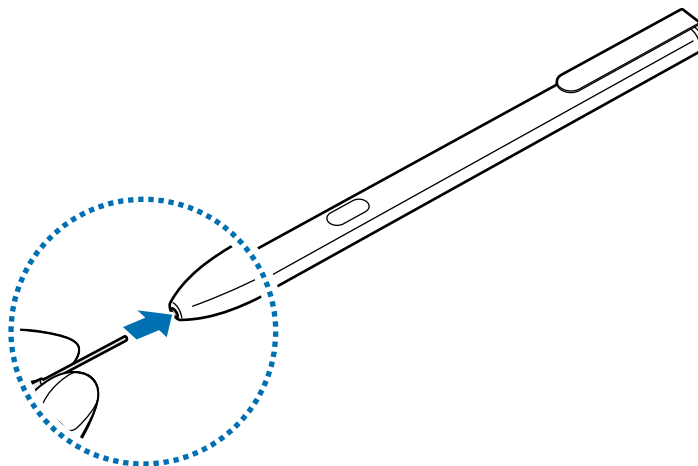
Replacing the S Pen nib

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

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



- 2 Insert a new nib into the S Pen.





Be careful not to pinch your fingers with the tweezers.



- Do not reuse old nibs. Doing so may cause the S Pen to malfunction.
- Do not press the nib excessively when inserting the nib into the S Pen.
- Do not insert the round end of the nib into the S Pen. Doing so may cause damage to the S Pen or your device.
- Do not bend or apply excessive pressure with the S Pen while using it. The S pen may be damaged or the nib may be deformed.
- The S Pen may not be attached firmly if you clip it onto objects that are too thick or too thin.



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

Battery

Charging the battery

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



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

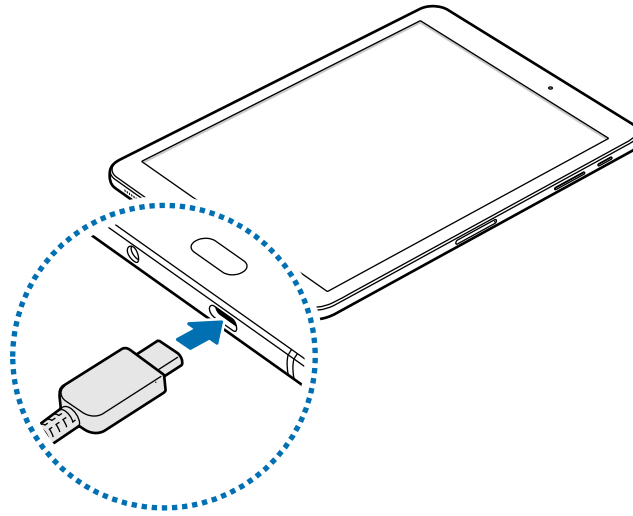


Connecting the charger improperly may cause serious damage to the device. Any damage caused by misuse is not covered by the warranty.



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 adapter, and plug the USB cable into the device's multipurpose jack.



- 2 Plug the USB power adapter into an electric socket.
- 3 After fully charging, disconnect the device from the charger. First unplug the charger from the device, and then unplug it from the electric socket.

Viewing the remaining charging time

While charging, open the Home screen and tap **Apps** → **Settings** → **Device maintenance** → **Battery**.



The actual charging time may vary depending on the status of your device and the charging conditions. The remaining charging time may not be displayed when you charge the device in very cold or very hot conditions.

Reducing the battery consumption

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

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

Battery charging tips and precautions

- When the battery power is low, the battery icon appears empty.
- If the battery is completely discharged, the device cannot be turned on immediately when the charger is connected. Allow a depleted battery to charge for a few minutes before turning on the device.
- If you use multiple apps at once, network apps, or apps that need a connection to another device, the battery will drain quickly. To avoid losing power during a data transfer, always use these apps after fully charging the battery.
- Using a power source other than the charger, such as a computer, may result in a slower charging speed due to a lower electric current.
- The device can be used while it is charging, but it may take longer to fully charge the battery.
- If the device receives an unstable power supply while charging, the touchscreen may not function. If this happens, unplug the charger from the device.
- While charging, the device and the charger may heat up. This is normal and should not affect the device's lifespan or performance. If the battery gets hotter than usual, the charger may stop charging.
- If you charge the device while the multipurpose jack is wet, the device may be damaged. Thoroughly dry the multipurpose jack before charging the device.
- If the device is not charging properly, take the device and the charger to a Samsung Service Centre.

Fast charging


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

About Fast charging

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

Increasing the charging speed

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

If the fast charging feature is not activated, on the Home screen, tap **Apps** → **Settings** → **Device maintenance** → **Battery** →  → **Advanced settings**, and then tap the **Fast cable charging** switch to activate it.



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

Power saving mode




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


- 1 On the Home screen, tap **Apps** → **Settings** → **Device maintenance** → **Battery** → **MID**.
- 2 Tap **CUSTOMIZE** to change the power saving settings before entering power saving mode.
- 3 Tap **APPLY**.

Maximum power saving mode

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

- 1 On the Home screen, tap **Apps** → **Settings** → **Device maintenance** → **Battery** → **MAX**.
- 2 Tap **CUSTOMIZE** to change the power saving settings before entering maximum power saving mode.
- 3 Tap **APPLY**.

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

To deactivate maximum power saving mode, tap  → **Disable Maximum power saving mode**.



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

Memory card (microSD card)

Installing a memory card

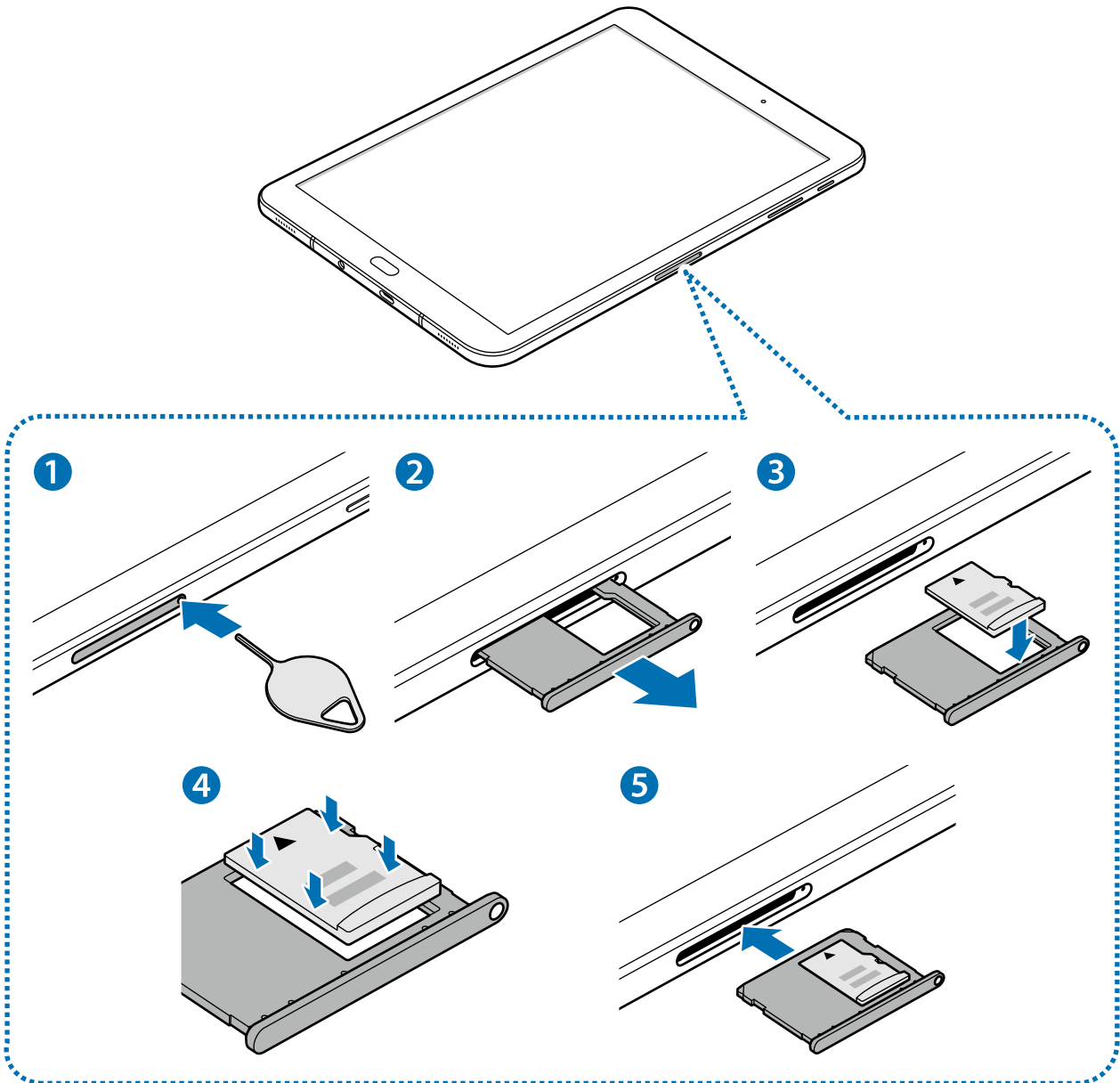
Your device's memory card capacity may vary from other models and some memory cards may not be compatible with your device, depending on the memory card manufacturer and type. To view your device's maximum memory card capacity, refer to the Samsung website.



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

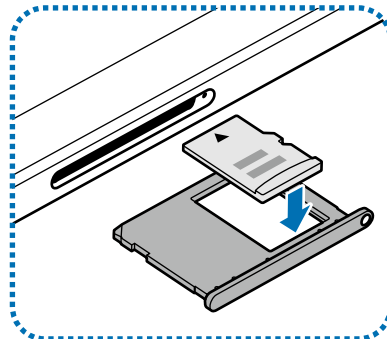


1 Insert the ejection pin into the hole on the memory card tray to loosen the tray.



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

- 2 Gently pull out the memory card tray from the memory card tray slot.
- 3 Place a memory card on the memory card tray with the gold-coloured contacts facing downwards.




- 4 Gently press the memory card into the tray to secure it.
- 5 Insert the memory card tray back into the memory card tray slot.

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

Removing the memory card

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

On the Home screen, tap **Apps** → **Settings** → **Device maintenance** → **Storage** →  → **Storage settings** → **SD card** → **UNMOUNT**.

- 1 Insert the ejection pin into the hole on the memory card tray to loosen the tray.
- 2 Gently pull out the memory card tray from the memory card tray slot.
- 3 Remove the memory card.
- 4 Insert the memory card tray back into the memory card tray slot.

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

Formatting the memory card

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

On the Home screen, tap **Apps** → **Settings** → **Device maintenance** → **Storage** →  → **Storage settings** → **SD card** → **Format** → **FORMAT**.



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

Turning the device on and off

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

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

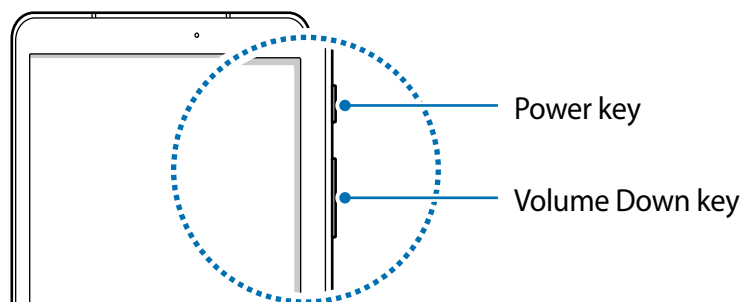
To turn off the device, press and hold the Power key, and then tap **Power off**.



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

Restarting the device

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



Controlling the touchscreen



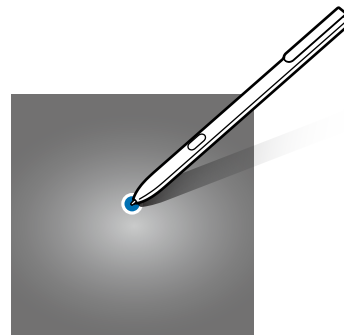
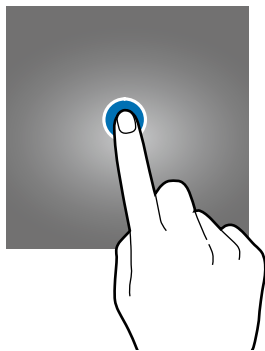
- Do not allow the touchscreen to come into contact with other electrical devices. Electrostatic discharges can cause the touchscreen to malfunction.
- To avoid damaging the touchscreen, do not tap it with anything sharp or apply excessive pressure to it with your fingertips.



- The device may not recognize touch inputs close to the edges of the screen, which are outside of the touch input area.
- Leaving the touchscreen idle for extended periods may result in afterimages (screen burn-in) or ghosting. Turn off the touchscreen when you do not use the device.
- It is recommended to use fingers or the S Pen when you use the touchscreen.

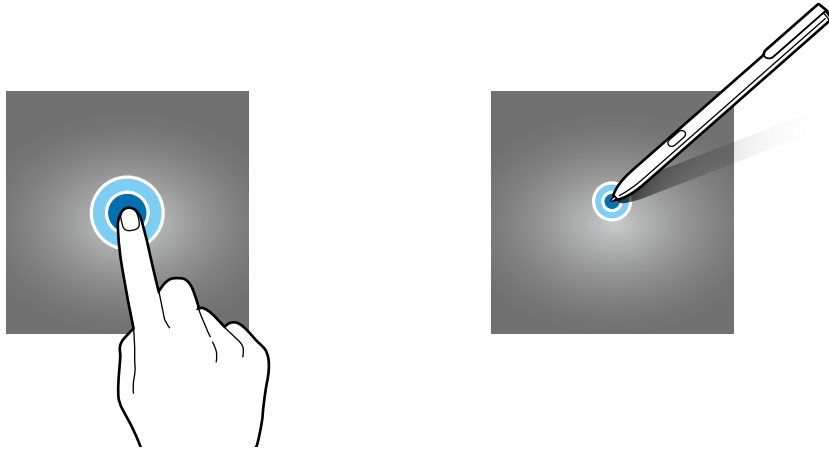
Tapping

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



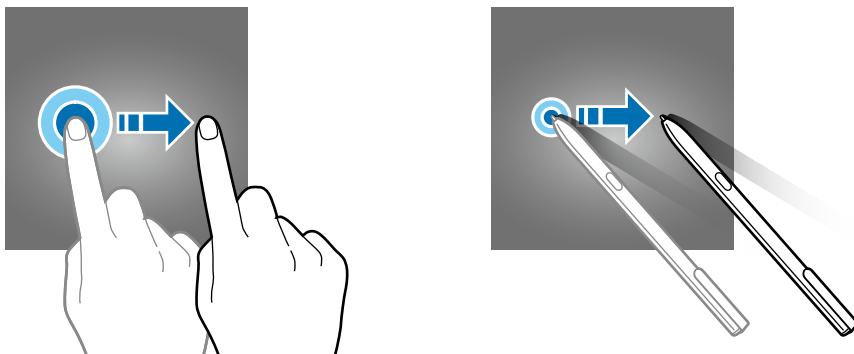
Tapping and holding

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



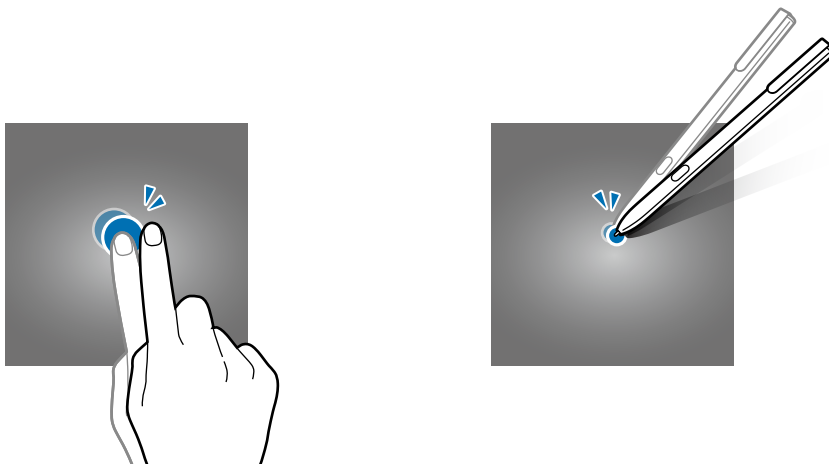
Dragging

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



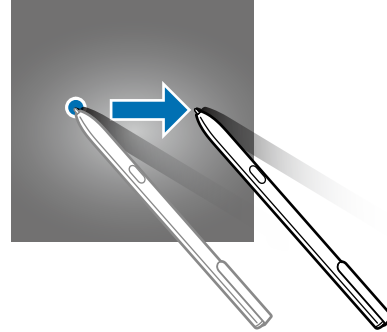
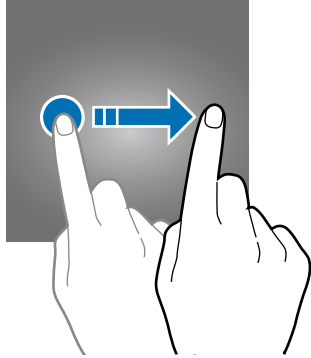
Double-tapping

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



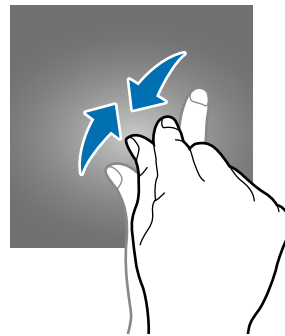
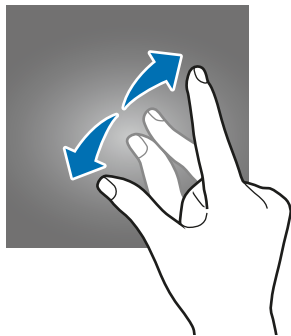
Swiping

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



Spreading and pinching

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

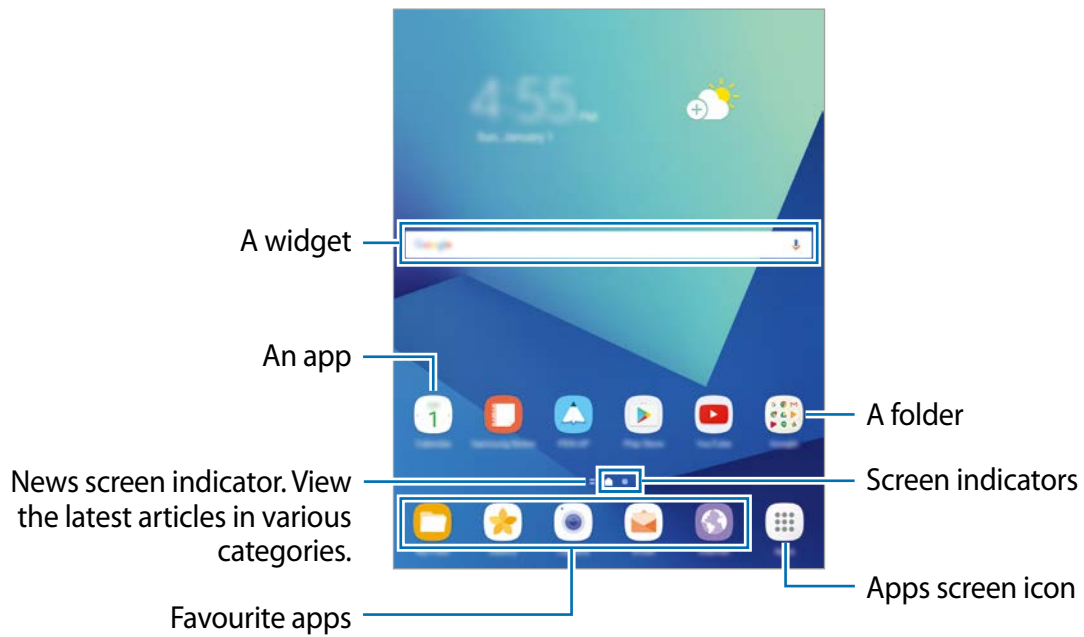


Home screen

Home screen

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

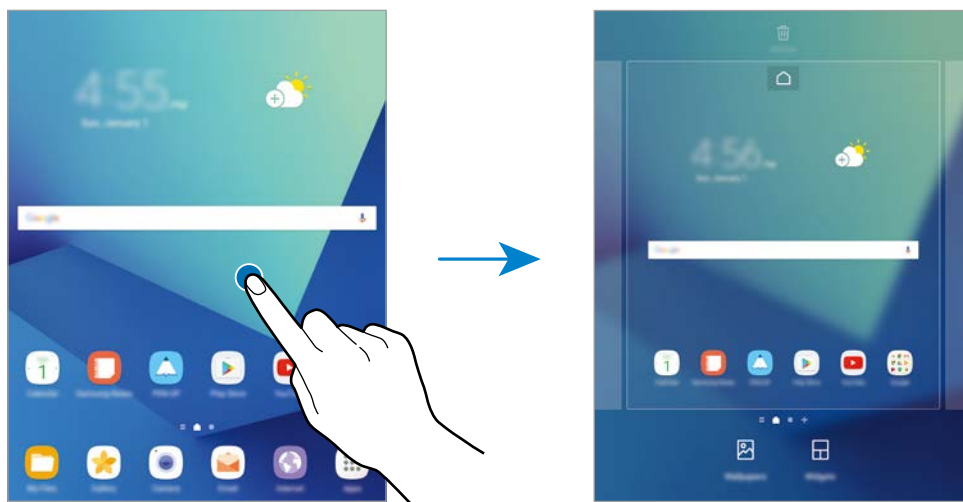
To view other panels, swipe to the left or right, or tap one of the screen indicators at the bottom of the screen.



Home screen options

On the Home screen, tap and hold an empty area, or pinch your fingers together to access the available options. Customize the Home screen by adding, deleting, or rearranging Home screen panels. You can also set the Home screen wallpaper, add widgets to the Home screen, and more.

- **Wallpapers:** Change the wallpaper settings for the Home screen and the locked screen.
- **Widgets:** Add widgets to the Home screen. Widgets are small apps that launch specific app functions to provide information and convenient access on your Home screen.



Adding items

Tap and hold an app or a folder from the Apps screen, and then drag it into position on the Home screen.

To add widgets, tap and hold an empty area on the Home screen, tap **Widgets**, tap and hold a widget, and then drag it into position on the Home screen.

Moving items

Tap and hold an item on the Home screen, and then drag it to a new location.

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

To move the item to another panel, drag it to the side of the screen.

To move an item more easily, tap and hold an item, and drag it to **Move apps** at the top of the screen. The item will move to the panel at the top of the screen. Swipe to the left or right to move to another panel and drag the item to a new location.

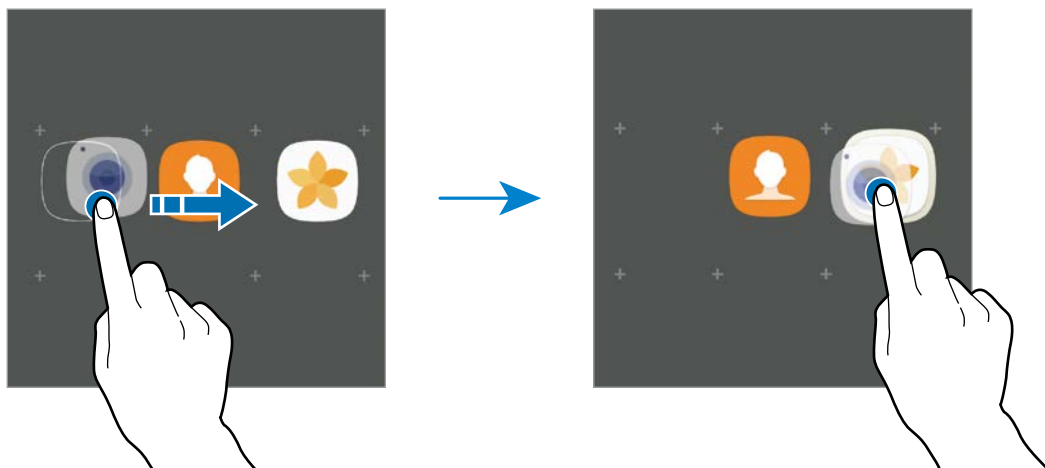
Removing items

Tap and hold an item, and then drag it to **Remove shortcut** at the top of the screen.

Creating folders

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

- 1 On the Home screen, tap and hold an app, and then drag it over another app.
- 2 Drop the app when a folder frame appears around the apps.
A new folder containing the selected apps will be created.



- 3 Tap **Enter folder name** and enter a folder name.

To change the folder colour, tap 🎨.


To add more apps to the folder, tap **ADD**, tick the apps, and then tap **ADD**. You can also add an app by dragging it to the folder on the Home screen.

To move apps from a folder to the Home screen, tap the folder, tap and hold an app and then drag it to the Home screen.

To delete apps in a folder, tap the folder, tap and hold the app you want to delete then drag it to **Remove shortcut** at the top of the screen.

Managing panels

On the Home screen, tap and hold an empty area to add, move, or remove a panel.

To add a panel, swipe to the left, and then tap .

To move a panel, tap and hold a panel preview, and then drag it to a new location.

To remove a panel, tap and hold a panel preview, and then drag it to **Remove** at the top of the screen.

To set a panel as the main Home screen, tap .

Using quick options

On the Home screen, tap and hold an app icon or folder to quickly access options.

Apps screen


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

On the Home screen, tap **Apps** to open the Apps screen. To view other panels, swipe to the left or right, or select a screen indicator at the bottom of the screen.

Moving items



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

On the Apps screen, tap  → **Edit**. Tap and hold an item and drag it to a new location.


To move the item to another panel, drag it to the side of the screen.

Creating folders

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

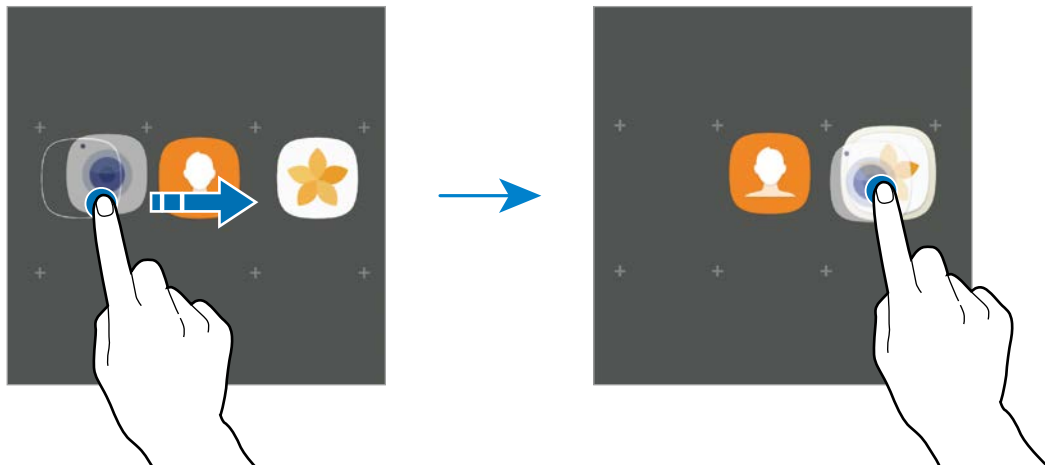


This feature may not be available depending on the region or service provider.

1 On the Apps screen, tap  → **Edit**.

2 Tap and hold an app, and then drag it over another app.

- Drop the app when a folder frame appears around the apps.
A new folder containing the selected apps will be created.



- Tap **Enter folder name** and enter a folder name.

To change the folder colour, tap 🎨.

To add more apps to the folder, tap **ADD**, tick the apps, and then tap **ADD**. You can also add an app by dragging it to the folder on the Apps screen.

To delete a folder, on the Apps screen, tap ⋮ → **Edit**, tap the folder and select **Remove folder** → **REMOVE**. Only the folder will be deleted. The folder's apps will be relocated to the Apps screen.

Rearranging items

You can rearrange items in alphabetical order on the Apps screen.

On the Apps screen, tap ⋮ → **Sort** → **Alphabetical order**.

Searching for items

You can search for apps on the Apps screen or from **Galaxy Apps** or **Play Store**.











On the Apps screen, enter characters in the search field. The device will search for and display the items containing the characters you entered.

Indicator icons

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



The status bar may not appear at the top of the screen in some apps. To display the status bar, drag down from the top of the screen.

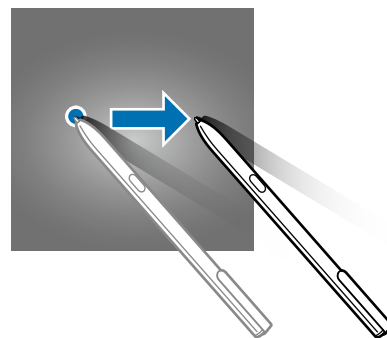
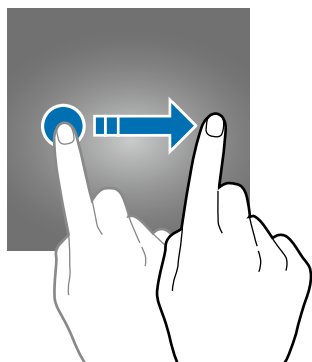
Icon	Meaning
	Wi-Fi connected
	Bluetooth feature activated
	GPS activated
	Alarm activated
	Mute mode activated
	Vibration mode activated
	Flight mode activated
	Error occurred or caution required
	Battery charging
	Battery power level

Lock screen

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

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

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



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

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

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



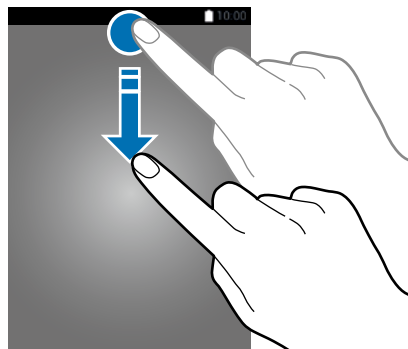
- You can unlock your device's screen remotely from the Find My Mobile website (findmymobile.samsung.com) using your Samsung account. To use this feature, the device must be connected to a Wi-Fi or mobile network and you must sign in to your Samsung account.
- If the unlock code is forgotten, you will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

Notification panel

Using the notification panel

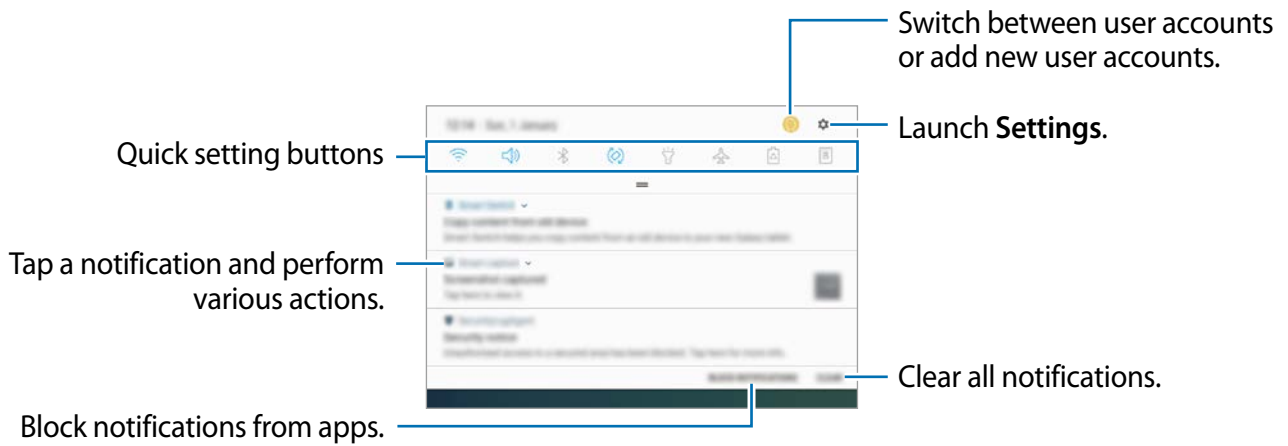
When you receive new notifications, indicator icons appear on the status bar. To see more information about the icons, open the notification panel and view the details.

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



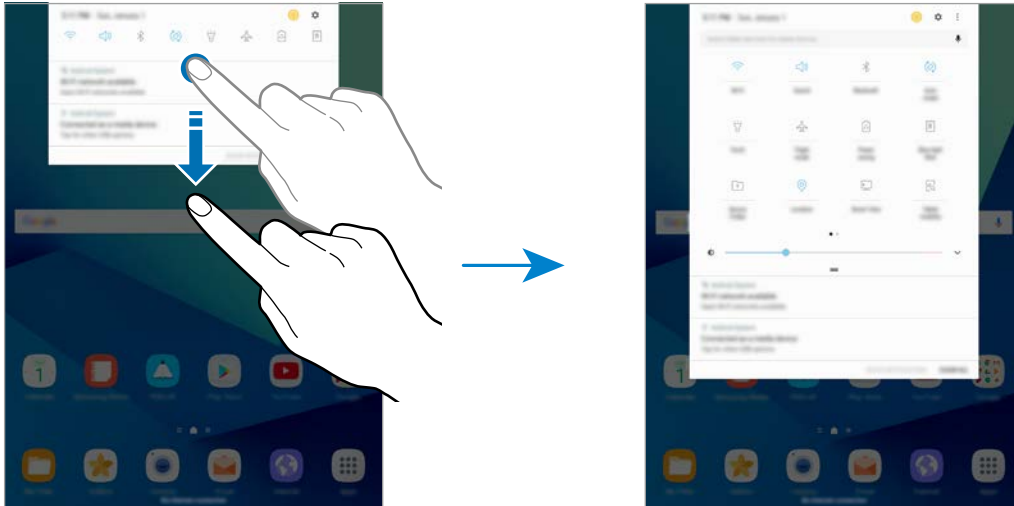
You can open the notification panel, even on the locked screen.

You can use the following functions on the notification panel.



Using quick setting buttons

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



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

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

Finder

Search for a variety of content with a keyword or search for nearby devices.

Searching for content or nearby devices

Open the notification panel, swipe downwards on the notification panel, and then tap **Search tablet and scan for nearby devices**.

Enter a keyword in the search field or tap  and say a keyword.

To get more refined results, tap **Filter** under the search field, and then select filter details.

To search for nearby devices, tap **QUICK CONNECT**. Refer to [QUICK CONNECT](#) for more information.

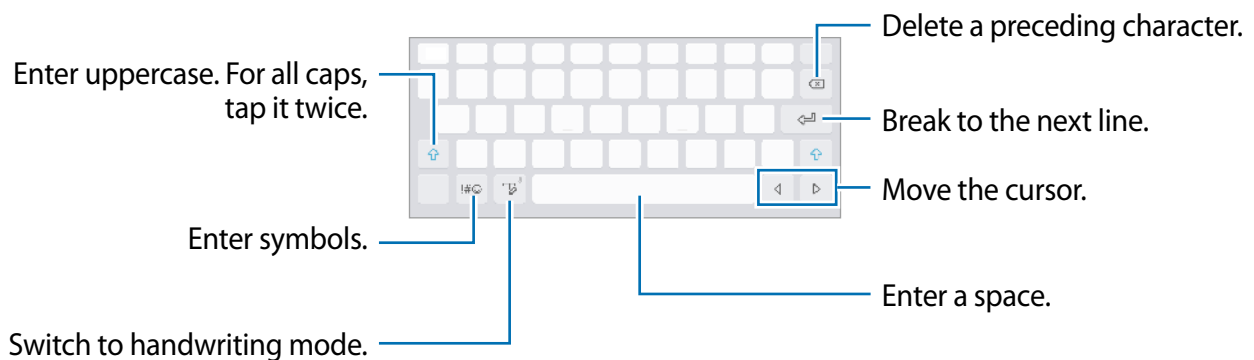
Entering text

Keyboard layout



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





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



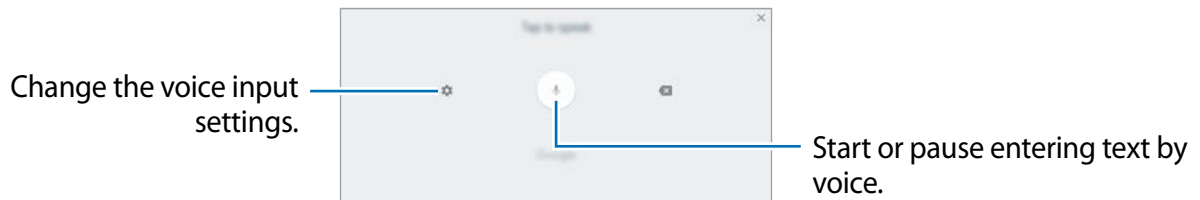
Changing the input language


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

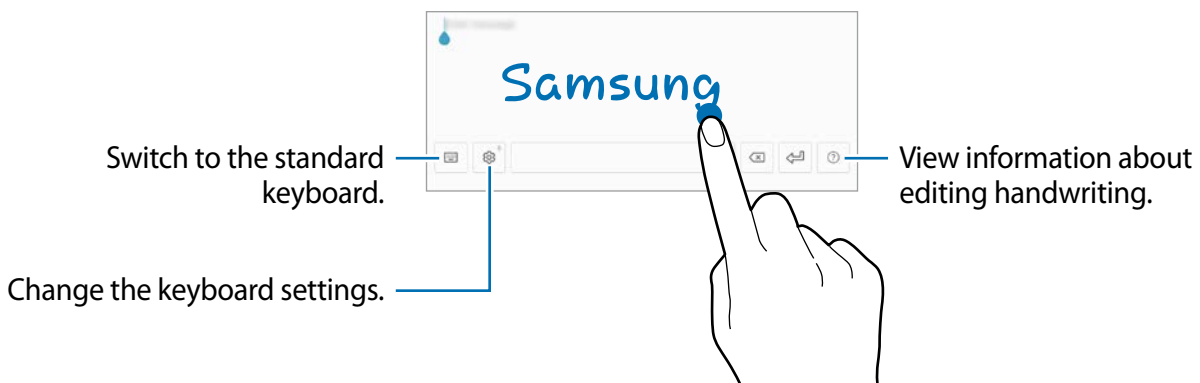
Additional keyboard functions

Tap and hold  to use various functions. Other icons may appear instead of the  icon depending on the last function that was used.





-  : Enter text by voice.





-  : Switch to handwriting mode.



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

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

Copying and pasting

- 1 Tap and hold over text.
- 2 Drag  or  to select the desired text, or tap **Select all** to select all text.
- 3 Tap **Copy** or **Cut**.
The selected text is copied to the clipboard.
- 4 Tap and hold where the text is to be inserted and tap **Paste**.
To paste text that you have previously copied, tap **Clipboard** and select the text.

Screen capture

Capture a screenshot while using the device.

Capturing screenshots

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

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



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

Capturing screenshots with the S Pen

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

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

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

Refer to [Screen write](#) and [Smart select](#) for more information.

Smart capture


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

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


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

Opening apps

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

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

Closing an app

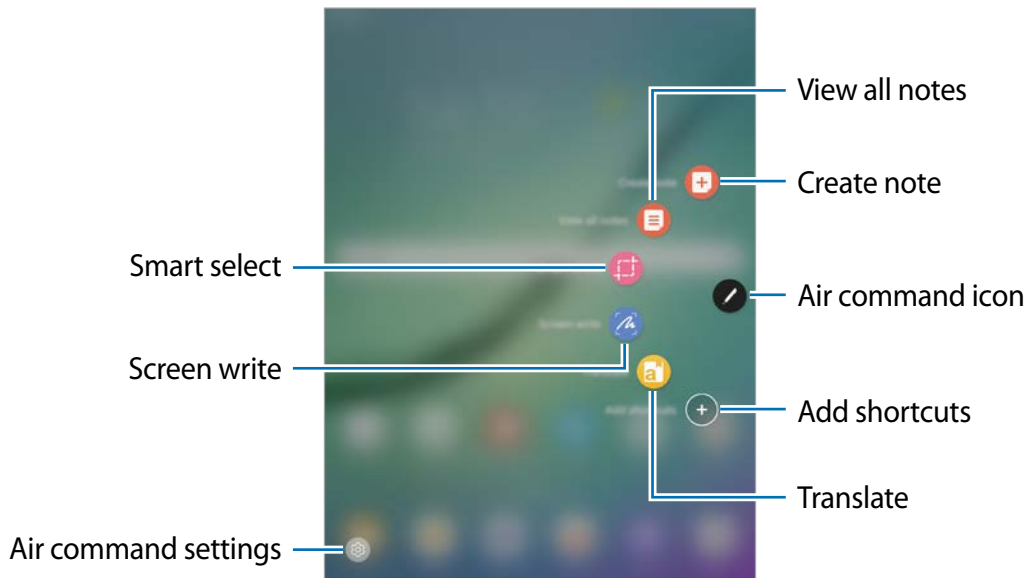
Tap  and drag a recent app window to the left or right to close it. To close all running apps, tap **CLOSE ALL**.


S Pen features

Air command

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


You can access useful features and frequently used apps.



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

Air command icon

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

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

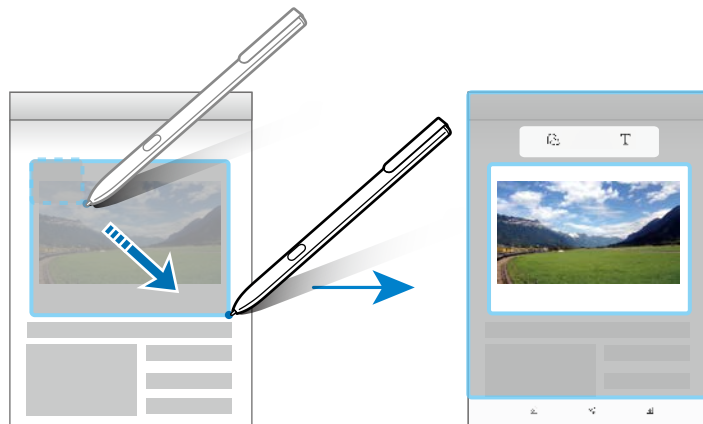
Smart select

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

- 1 When there is content you want to capture, such as a part of an image, open the Air command panel and tap **Smart select**.
- 2 Select a desired shape icon on the toolbar and drag the S Pen across the content you want to select.

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

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



- 3 Select an option to use with the selected area.
 - **Draw:** Write or draw on the screen.
 - **Share:** Share the selected area with others.
 - **Save:** Save the selected area in **Gallery**.

Screen write

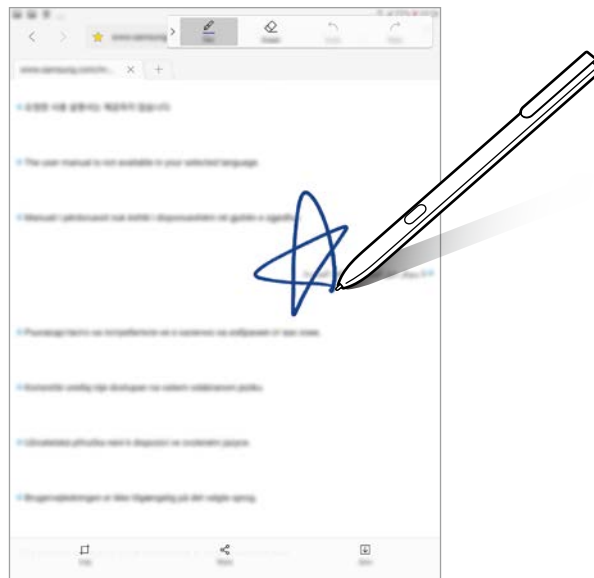
Capture screenshots to write or draw on them.

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

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

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

- 3 Write a memo on the screenshot.



- 4 Select an option to use with the screenshot.

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



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

Translate

Hover the S Pen over a word to translate it.




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

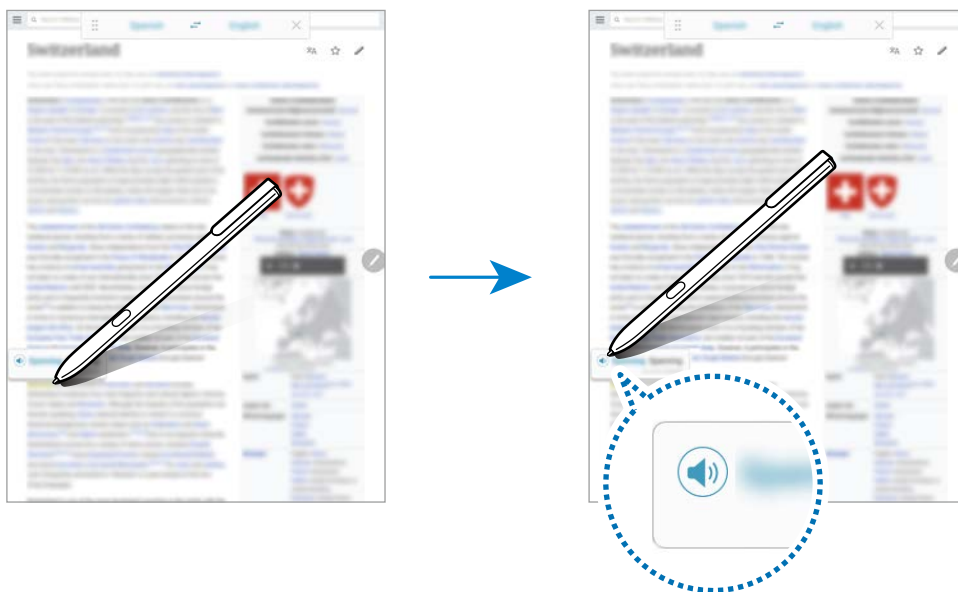
1 Open the Air command panel and tap **Translate**.


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

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

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

To view more definitions, tap the translated word.




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

Add shortcuts

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

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

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

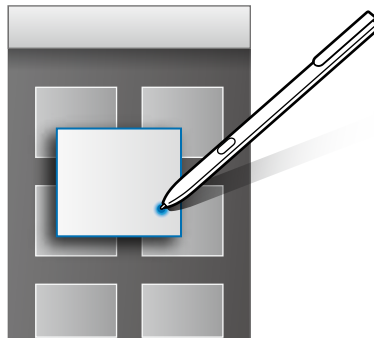
You can also remove the **Create note** shortcut.

Air view

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

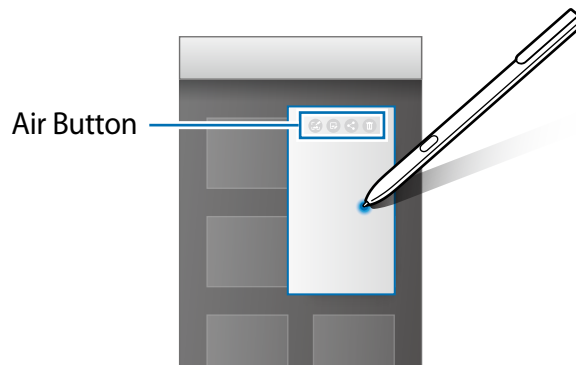
Previewing information

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



Using Air Button

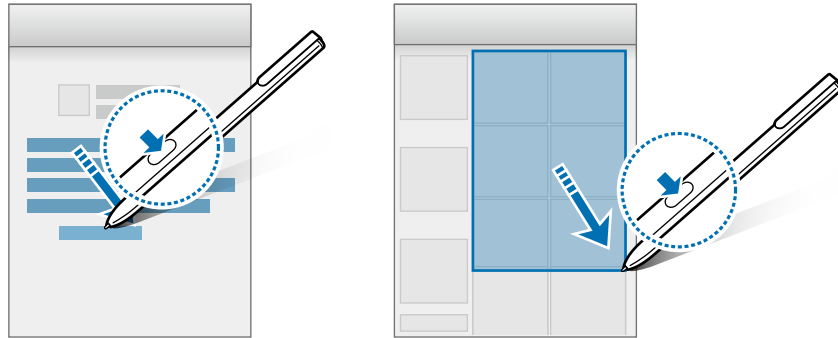
Hovering the S Pen over items in some apps, such as **Gallery**, will display Air Button on the preview window. You can perform various actions directly from the preview window using Air Button.



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


Pen Select

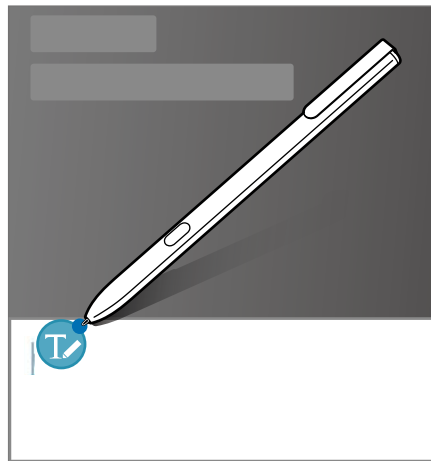
While pressing and holding the S Pen button, drag the S Pen over text or item lists to select multiple items or text. You can also copy and paste the selected items or text into another app or share them with others.



Direct pen input

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

- 1 Hover the S Pen over a text field.
- 2 Tap  to open the handwriting field.



- 3 Write with the S Pen.



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

Screen off memo

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

To activate this feature, open the Apps screen, tap **Settings** → **Advanced features** → **S Pen**, and then tap the **Screen off memo** switch to activate it.

When the screen is off, write a memo with the S Pen. When you are finished writing the memo, tap **SAVE**. Then, the memo will be saved in **Samsung Notes**.



To view memos, open the Apps screen and then tap **Samsung Notes** → **COLLECTIONS** → **Screen off memo**.

Secure Folder

Introduction

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



Secure Folder is a separate, secured storage area. The data in Secure Folder cannot be transferred to other devices via unapproved sharing methods, such as USB. Attempting to customize 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.

Creating Secure Folder

- 1 On the Apps screen, tap **Settings** → **Lock screen and security** → **Secure Folder**.
- 2 Tap **SIGN IN** and sign in to your Samsung account.
- 3 Select a lock method to use for Secure Folder and follow the on-screen instructions to complete the setup.

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



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

Setting auto lock for Secure Folder

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

- 1 On the Apps screen, tap **Samsung** → **Secure Folder**.
- 2 Tap **:** → **Settings** → **Auto lock Secure Folder**.
- 3 Select a lock option.



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

Moving content

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

- 1 On the Apps screen, tap **Gallery**.
- 2 Select an image and tap **:** → **Move to Secure Folder**.

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



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

Adding apps

Add an app to use in Secure Folder.

- 1 On the Apps screen, tap **Samsung** → **Secure Folder**.
- 2 Tap **Add apps**.
- 3 Tick one or more apps installed on the device and tap **DONE**.
To install apps from **Play Store**, tap **DOWNLOAD FROM PLAY STORE**.
To install apps from **Galaxy Apps**, tap **DOWNLOAD FROM GALAXY APPS**.

Removing apps from Secure Folder

Tap and hold an app, tap **Select**, tick apps to remove, and then tap **Uninstall**.

Adding accounts

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

- 1 On the Apps screen, tap **Samsung** → **Secure Folder**.
- 2 Tap **:** → **Settings** → **Accounts** → **Add account**.
- 3 Select an account service.
- 4 Follow the on-screen instructions to complete the account setup.

Hiding Secure Folder

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

- 1 On the Apps screen, tap **Samsung** → **Secure Folder**.
 - 2 Tap **:** → **Settings** and tap the **Show Secure Folder** switch to deactivate it.
- To show the Secure Folder shortcut again, open the Apps screen, tap **Settings** → **Lock screen and security** → **Secure Folder**, and then tap the **Show Secure Folder** switch to activate it.

Uninstalling Secure Folder

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

- 1 On the Apps screen, tap **Settings** → **Lock screen and security** → **Secure Folder** → **Uninstall**.
- 2 If you want to move your media files out of Secure Folder before uninstalling it, tap **Move media files out of Secure Folder** to select the option.
- 3 Tap **UNINSTALL**.

Multi window

Introduction

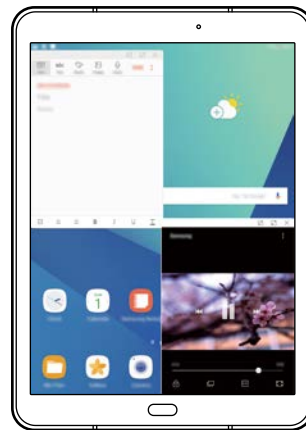
Multi window lets you run two apps at the same time in the split screen view. You can also run multiple apps at the same time in the pop-up view.



Some apps may not support this feature.





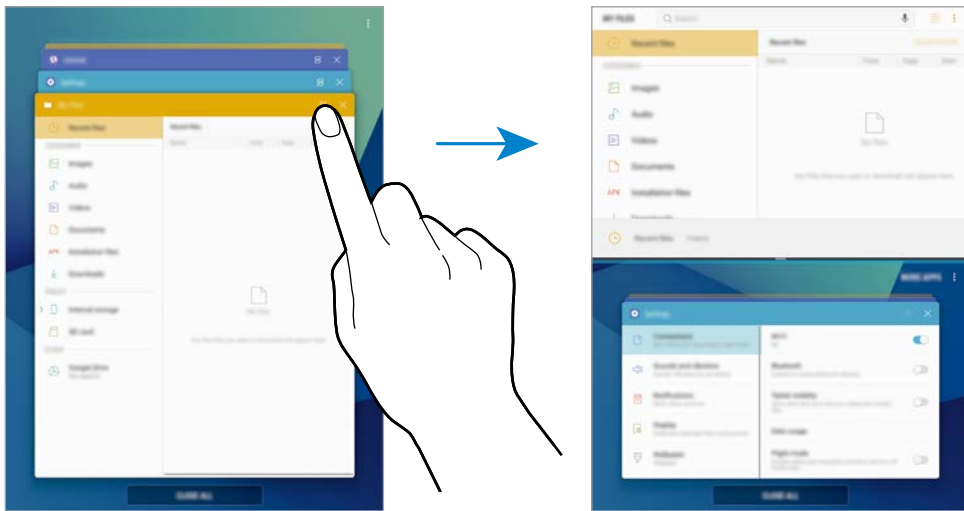
Split screen view



Pop-up view

Split screen view

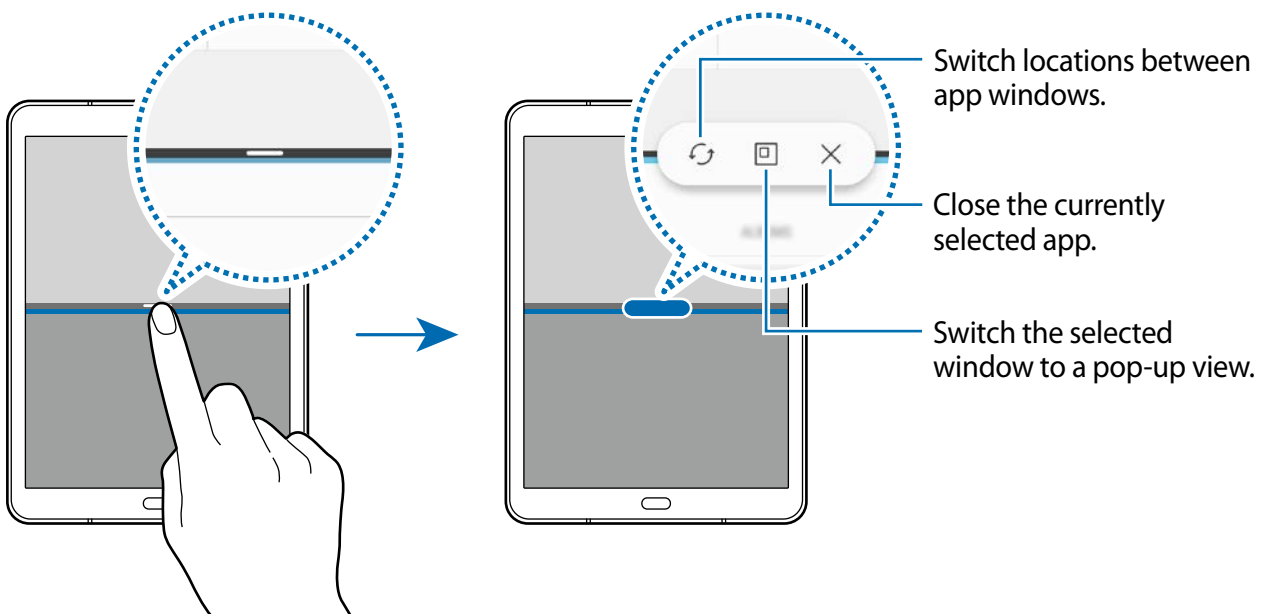
- 1 Tap  to open the list of recently used apps.
- 2 Swipe upwards or downwards and tap  on a recent app window.
The selected app will launch in the upper window.



- 3 In the lower window, swipe upwards or downwards to select another app to launch.
To launch apps not in the list of recently used apps, tap **MORE APPS** and select an app.

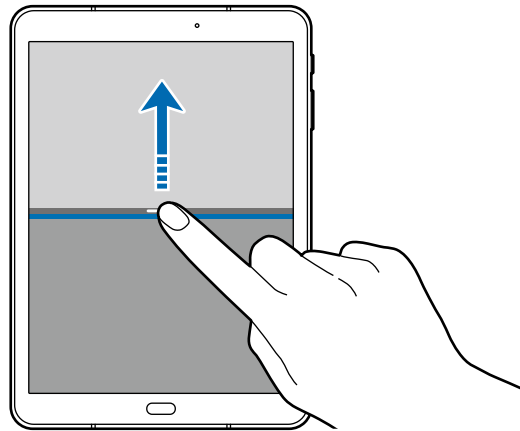
Using additional options

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



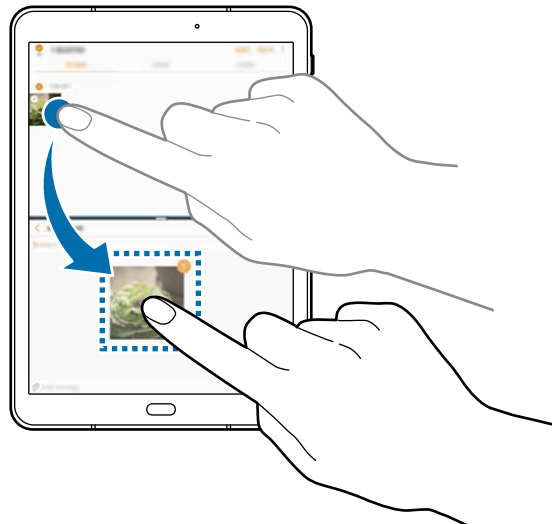
Adjusting the window size

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




Sharing text or images between windows


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



Some apps may not support this feature.

Minimizing the split screen view


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

To close the minimized split screen view, open the notification panel and tap the  icon on the Multi window notification.

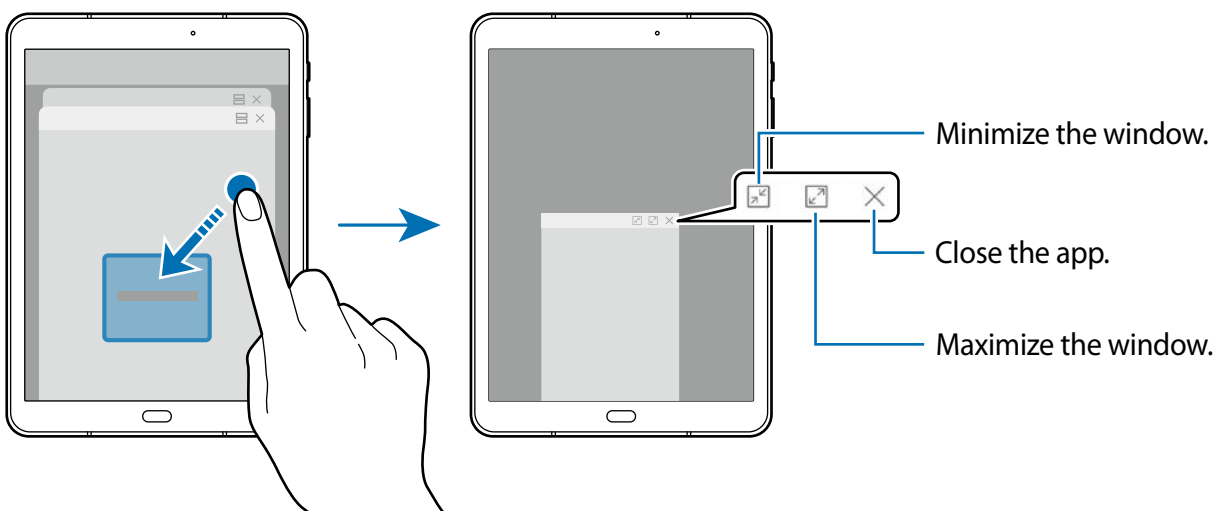
Maximizing a window

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

Pop-up view

- 1 Tap  to open the list of recently used apps.
- 2 Swipe upwards or downwards, tap and hold an app window, and then drag it to **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 account

Introduction

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

Create your Samsung account with your email address.

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

Registering your Samsung account

Registering a new Samsung account

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

- 1 On the Apps screen, tap **Settings** → **Cloud and accounts** → **Accounts** → **Add account**.
- 2 Tap **Samsung account** → **CREATE ACCOUNT**.
- 3 Follow the on-screen instructions to complete creating your account.

Registering an existing Samsung account


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

- 1 On the Apps screen, tap **Settings** → **Cloud and accounts** → **Accounts** → **Add account**.
- 2 Tap **Samsung account**.
- 3 Enter your email address and password, and then tap **SIGN IN**.

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

Removing your Samsung account

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

- 1 On the Apps screen, tap **Settings** → **Cloud and accounts** → **Accounts**.
- 2 Tap **Samsung account** and tap the account to remove.
- 3 Tap  → **Settings** → **Remove account** → **REMOVE ACCOUNT** → **OK**.
- 4 Enter your Samsung account password and tap **CONFIRM**.

Transferring data from your previous device

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



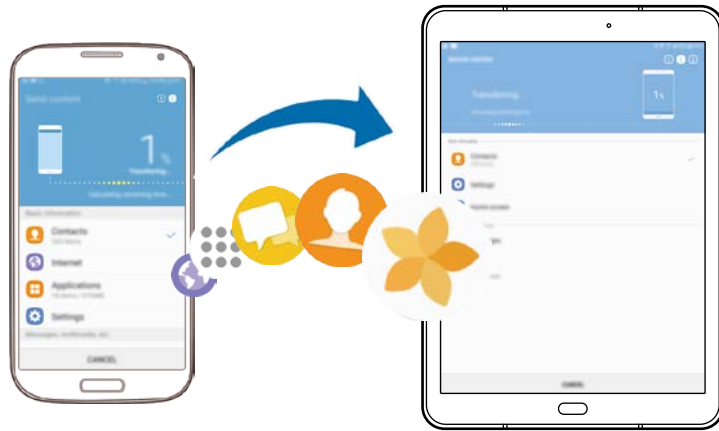
- This feature may not be supported on some devices or computers.
- Limitations apply. Visit www.samsung.com/smartswitch for details. Samsung takes copyright seriously. Only transfer content that you own or have the right to transfer.

Transferring data via Smart Switch

Transfer data between mobile devices via Smart Switch. You can download the app from **Galaxy Apps** or **Play Store**.

Transferring data from a mobile device

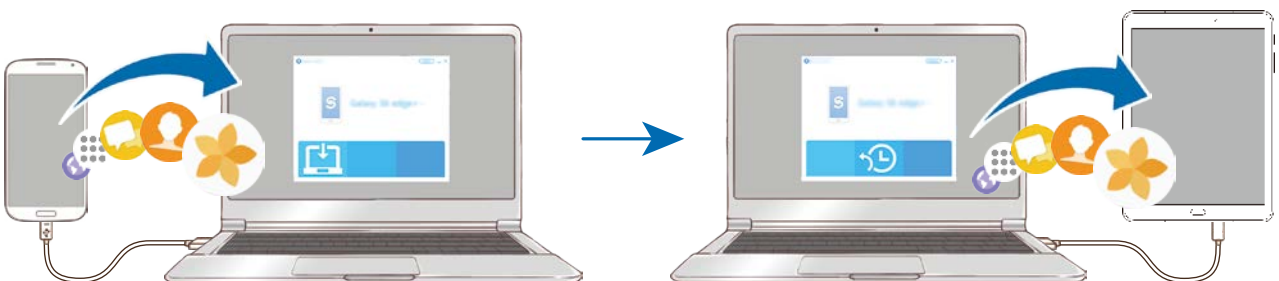
Transfer data from your previous device to your device.



- 1 On the previous device, download and install Smart Switch from **Galaxy Apps** or **Play Store**. Then, launch **Smart Switch**.
- 2 Place the devices near each other.
- 3 Launch **Smart Switch** on both devices.
- 4 When using this feature for the first time, tap **START** on your device.
- 5 After you select how to send data and connect your previous device to your device, follow the on-screen instructions to transfer data from the previous device.

Transferring backup data from a computer

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



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

2 On the computer, launch Smart Switch.



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

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

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

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

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

Transferring data via Samsung Cloud

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

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

2 On your device, tap **Apps** → **Settings** → **Cloud and accounts** → **Samsung Cloud** → **Restore**.

3 Tap ▼ and select the previous device from the devices list.

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

Device and data management

Connecting the device to a computer for data transfer

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



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



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

- 1 Connect the device to the computer using the USB cable.
- 2 Open the notification panel, and then tap **Connected as a media device** → **Transferring media files**.
If the computer cannot recognize your device, tap **Transferring images**.
- 3 Tap **ALLOW** to permit the computer to access your device's data.
When the computer recognizes your device, the device will appear in My PC.
- 4 Transfer files between your device and the computer.

Updating the device

The device can be updated to the latest software.


Updating over the air

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

On the Apps screen, tap **Settings** → **Software update** → **Download updates manually**.

Updating with Smart Switch

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

- 1 On the computer, visit www.samsung.com/smartswitch to download and install Smart Switch.
 - 2 On the computer, launch Smart Switch.
 - 3 Connect the device to the computer using a USB cable.
 - 4 If a software update is available, follow the on-screen instructions to update the device.
-  Do not turn off the computer or disconnect the USB cable while the device is updating.
 - While updating the device, do not connect other media devices to the computer. Doing so may interfere with the update process. Before updating, disconnect all other media devices from the computer.

Backing up and restoring data

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

Using a Samsung account

On the Apps screen, tap **Settings** → **Cloud and accounts** → **Backup and restore** → **Backup settings** for the Samsung account, tap the switches next to the items you want to back up to activate them, and then tap **BACK UP NOW**.

Data will be backed up to Samsung Cloud. Refer to [Samsung Cloud](#) for more information.

To set the device to automatically back up data, tap the **Auto back up** switch to activate it.

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

Using a Google account

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

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

Performing a data reset

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

On the Apps screen, tap **Settings** → **General management** → **Reset** → **Factory data reset** → **RESET** → **DELETE ALL**. The device automatically restarts.

QUICK CONNECT

Introduction

Quickly search for and connect with nearby devices, such as Bluetooth headsets or TVs, using the Quick connect feature.



- If the device you want to connect does not support the Quick connect feature, activate its Wi-Fi Direct or Bluetooth feature before launching **QUICK CONNECT** on your device.
- Connection methods may vary depending on the type of connected devices or the shared content.

Connecting to other devices

- 1 Open the notification panel, swipe downwards on the notification panel, and then tap **Search tablet and scan for nearby devices**.
- 2 Tap **QUICK CONNECT**.
The Wi-Fi and Bluetooth features will be activated and the device will automatically search for nearby devices.
- 3 Select a device from the list and connect to it by following the on-screen instructions.
The next steps may vary depending on the connected device.

Connecting to a TV

Connect your device and a TV to view the device's content on the larger screen. You may be able to use more features depending on the connected TV.

- 1 Turn on the TV and place your device close to the TV.
- 2 Open the notification panel, swipe downwards on the notification panel, and then tap **Search tablet and scan for nearby devices**.
- 3 Tap **QUICK CONNECT**.
- 4 Select the TV.
The list of features you can use with the TV appears.

5 Select a feature and follow the on-screen instructions to use the feature.

Available features may vary depending on the TV.


- **View tablet on TV (Smart View):** View your device's content on the TV screen. You may need to activate the Screen Mirroring feature on the TV depending on the TV you want to connect. If the TV does not support the Screen Mirroring feature, use compatible accessories to enable the feature. Compatible accessories include HomeSync and an AllShare Cast dongle.
- **View TV on tablet:** Watch TV on your device's screen. You can continue watching TV within the allowed connection range.
- **Play TV sound on tablet:** Listen to the sound via the device's speaker while watching the TV. You can connect a headset to the device so that others do not hear the TV sound.
- **Register TV / Deregister TV:** Register the TV to your device to use additional features, such as **Use as remote control**.



- Some files may be buffered during playback, depending on the connection.
- If the TV does not support High-bandwidth Digital Content Protection (HDCP), you cannot view Digital Rights Management (DRM)-protected content on the TV.

Streaming content on the registered TV

If you register a TV to your device, you can more easily connect to the TV while playing content.

When your device recognizes the registered TV while you are watching content, the  icon will appear on the device. Tap the icon to stream the content from your device to your TV.



- This feature is supported only by the device's default gallery app.
- When the registered TV is connected to an electric socket, you can use this feature even if the TV screen is turned off.

Sharing features

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

- 1 Tap **Gallery** on the Apps screen.
- 2 Select an image.
- 3 Tap **Share** and select a sharing method, such as Bluetooth and email.

You can also use the following options:

- **Transfer files to device:** Share content with nearby devices via Wi-Fi Direct or Bluetooth. The visibility settings must be activated on the devices.
- **View content on TV (Smart View):** View your device's displayed content on a larger screen via a wireless connection.



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

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

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

Applications

Installing or uninstalling apps

Galaxy Apps

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

Tap **Samsung** → **Galaxy Apps** on the Apps screen.




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

Installing apps

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

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



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

Play Store

Purchase and download apps.


Tap **Play Store** on the Apps screen.

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

On the Apps screen, tap  → **Edit**. The  icon appears on the apps that you can disable or uninstall. Select an app and tap **DISABLE** or **OK**. Alternatively, on the Apps screen, tap **Settings** → **Apps**, select an app, and then tap **DISABLE** or **UNINSTALL**.

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


Enabling apps

On the Apps screen, tap **Settings** → **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, open the Apps screen and tap **Settings** → **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, open the Apps screen, tap **Settings** → **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.


Contacts

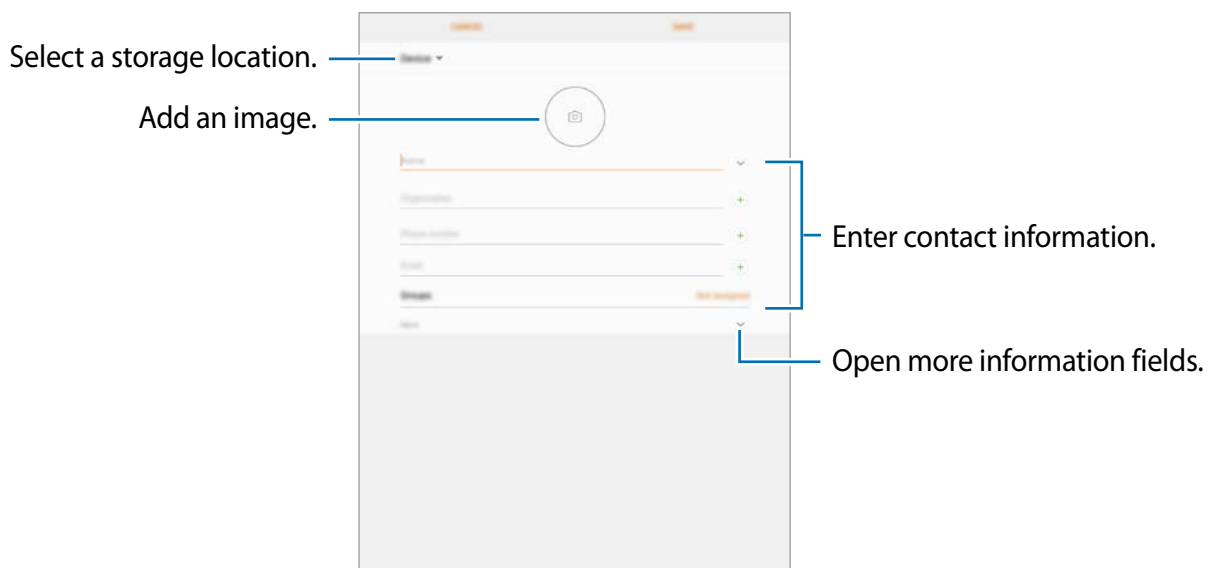
Introduction


Create new contacts or manage contacts on the device.

Adding contacts

Creating a new contact

- 1 Tap **Contacts** on the Apps screen.
- 2 Tap  and select a storage location.
- 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 Tap **Contacts** on the Apps screen.
- 2 Tap  → **Settings** → **Import/Export contacts** → **IMPORT**.
- 3 Select a storage location to import contacts from.
- 4 Select a storage location to save contacts to.
- 5 Tick VCF files or contacts to import and tap **DONE**.

Syncing contacts with your web accounts

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

On the Apps screen, tap **Settings** → **Cloud and accounts** → **Accounts**, select an account name, select the account to sync with, and then tap **Contacts (Samsung account)** or **Sync Contacts**.



Searching for contacts

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

Use one of the following search methods:

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

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

-  : Add to favourite contacts.
-  : Compose an email.

Sharing contacts

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

- 1 Tap **Contacts** on the Apps screen.
- 2 Tap **⋮** → **Share**.
- 3 Tick contacts and tap **SHARE**.
- 4 Select a sharing method.

Merging duplicate contacts

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

- 1 Tap **Contacts** on the Apps screen.
- 2 Tap **⋮** → **Settings** → **Merge duplicate contacts**.
- 3 Tick contacts and tap **MERGE**.

Deleting contacts

- 1 Tap **Contacts** on the Apps screen.
- 2 Tap **⋮** → **Delete**.
- 3 Tick contacts and tap **DELETE**.

Internet

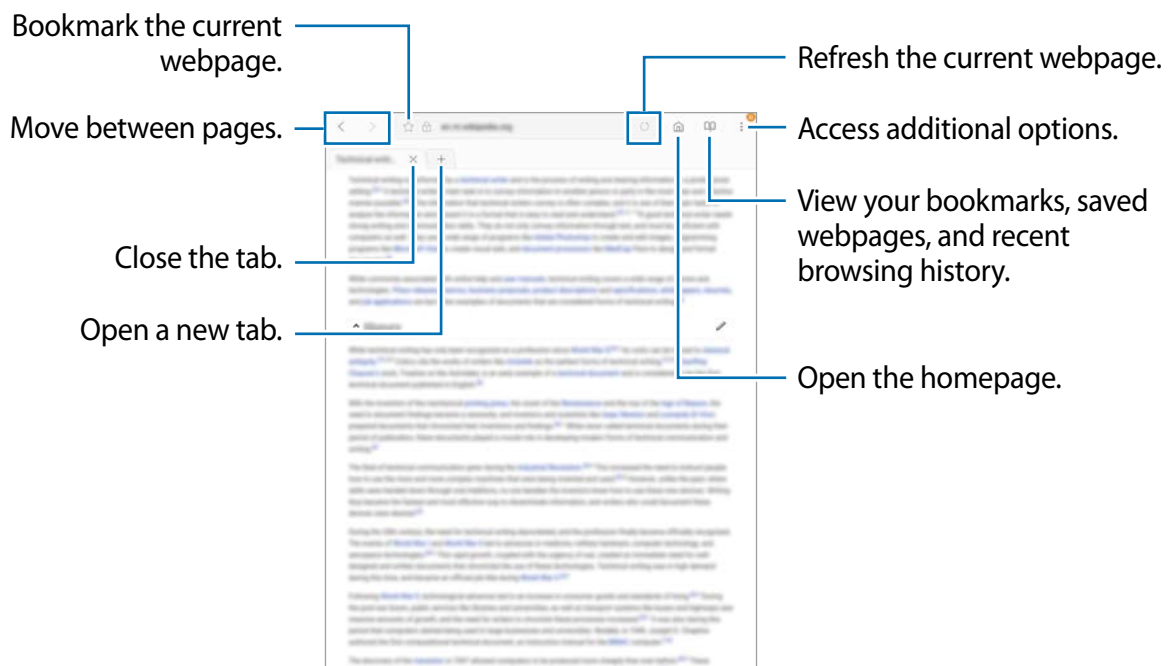
Introduction

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

Browsing webpages

- 1 Tap **Samsung** → **Internet** on the Apps screen.
- 2 Tap the address field.
- 3 Enter the web address or a keyword, and then tap **Go**.


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



Using secret mode

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

Activating secret mode

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




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

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

Changing security settings

You can change your password or the lock method.

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

Deactivating secret mode

Tap  → **Turn off Secret mode**.




Email

Setting up email accounts


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

- 1 Tap **Samsung** → **Email** on the Apps screen.
- 2 Enter the email address and password, and then tap **SIGN IN**.
To manually register an email account, tap **MANUAL SETUP**.
- 3 Follow the on-screen instructions to complete the setup.

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

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

Sending emails



- 1 Tap  to compose an email.
- 2 Add recipients and enter an email text.
- 3 Tap **SEND** to send the mail.

Reading emails

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

Tap an email on the screen to read it.



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

Camera

Introduction

Take photos and record videos using various modes and settings.

Camera etiquette

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

Launching Camera

Tap **Camera** on the Apps screen.



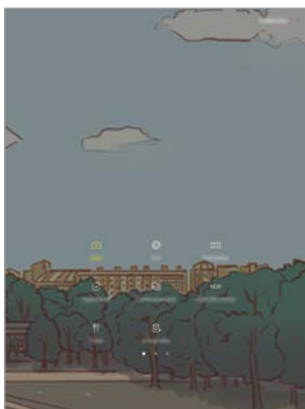
Some camera features are not available when you launch **Camera** from the locked screen or when the screen is turned off while the security features are activated.

Using swipe gestures

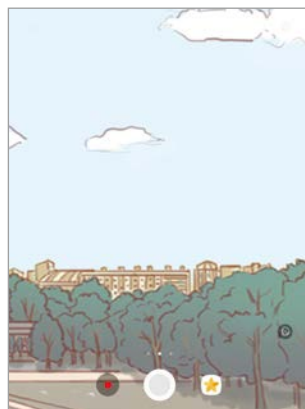
Quickly control the preview screen by swiping in different directions. You can change the shooting mode, switch between cameras, or apply filter effects.



Front camera preview



Shooting modes



Rear camera preview



Filter effects

Switching cameras

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

Viewing shooting modes

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

Viewing filter effects






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



This feature is only available in some shooting modes.

Basic shooting

Taking photos or recording videos

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



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

Locking the focus and exposure

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


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





This feature is only available in some shooting modes.

Customizing shooting modes

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

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

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

To add mode shortcuts to the Home screen, tap  → **Add shortcut on home screen**.


Auto mode




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

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

Pro mode

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

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

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

Panorama

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

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



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





- Move the camera slowly in one direction.
- Keep the image within the frame on the camera's viewfinder. If the preview image is out of the guide frame or you do not move the device, the device will automatically stop taking photos.
- Avoid taking photos of indistinct backgrounds, such as an empty sky or a plain wall.

Hyperlapse

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




In this mode, auto focusing will not operate.


- 1 On the shooting modes list, tap **Hyperlapse**.
- 2 Tap  and select a frame rate option.
If you set the frame rate to **Auto**, the device will automatically adjust the frame rate according to the changing rate of the scene.
- 3 Tap  to start recording.
- 4 Tap  to finish recording.
- 5 On the preview screen, tap the preview thumbnail and tap  to view the video.

Selfie

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

- 1 On the preview screen, swipe upwards or downwards, or tap  to switch to the front camera for self-portraits.
- 2 On the shooting modes list, tap **Selfie**.
- 3 Face the front camera lens.
- 4 When the device detects your face, show your palm to the front camera. After recognizing your palm, a countdown timer will appear. When the time is up, the device will take a photo.




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

Applying beauty effects

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




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


- 1 On the preview screen, tap .
- 2 Select the options below to apply beauty effects to your face on the preview screen and take a photo of yourself.
 - **Skin Tone:** Make your skin appear brighter and clearer.
 - **Slim Face:** Adjust the face shape and make your face appear slimmer.
 - **Large Eyes:** Make your eyes appear bigger.

Wide selfie

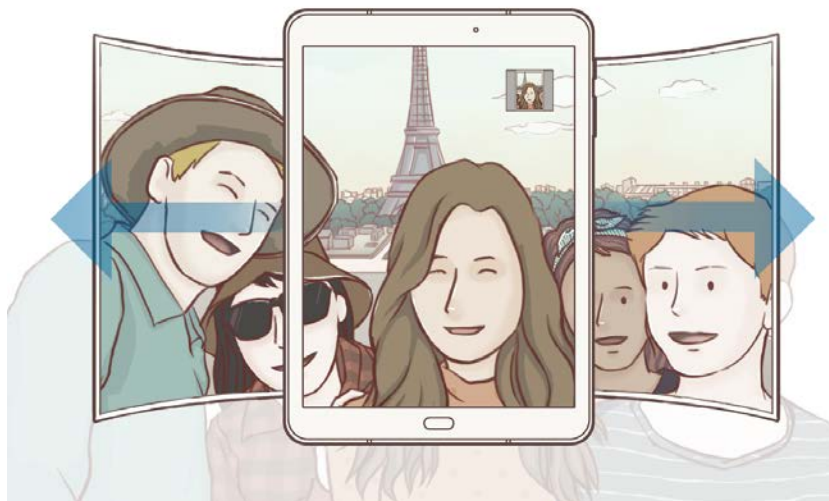
Take a wide self-portrait and include as many people in the photo as possible to avoid leaving people out.

- 1 On the preview screen, swipe upwards or downwards, or tap  to switch to the front camera for self-portraits.
- 2 On the shooting modes list, tap **Wide selfie**.
- 3 Face the front camera lens.
- 4 When the device detects your face, show your palm to the front camera. After recognizing your palm, a countdown timer will appear. When the time is up, the device will take a photo.



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

- 5 Slowly swivel the device left and then right or vice versa to take a wide self-portrait. The device will take additional photos when the white frame moves to each end of the viewfinder window.



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

Continuous shot

Take a series of photos of moving subjects.

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

Tap and hold  to take several photos continuously.

HDR (Rich tone)

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

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



Without effect





With effect

Food

Take photos of food with more vibrant colours.


- 1 On the shooting modes list, tap **Food**.
- 2 Tap the screen and drag the circular frame over the area to highlight.
The area outside the circular frame will be blurred.
To resize the circular frame, drag a corner of the frame.



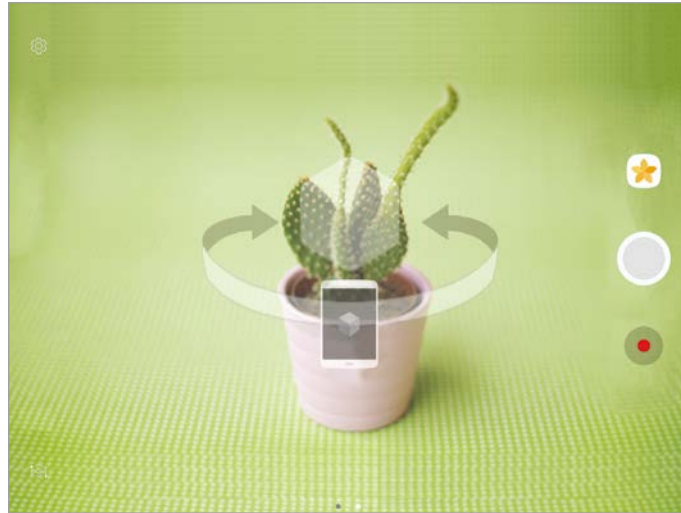
- 3 Tap  and drag the adjustment bar to adjust the colour tone.
- 4 Tap  to take a photo.

Virtual shot


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

- 1 On the shooting modes list, tap **Virtual shot**.
- 2 Place a subject in the centre of the preview screen and tap .

- 3 Move the device around the subject slowly in one direction to take more photos.
When the arrow becomes completely yellow or when you stop circling the subject, the device will automatically stop taking photos.



Viewing virtual shot photos

- 1 On the preview screen, tap the preview thumbnail.
- 2 Tap .
- 3 Drag your finger left or right on the screen, or slowly swivel the device left or right to view the subject from different angles.

Downloading modes

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

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



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

Camera settings

Quick settings

On the preview screen, use the following quick settings.



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

- : Select a metering method. This determines how light values are calculated. **Centre-weighted** uses the light in the centre portion of the shot to calculate the exposure of the shot. **Spot** uses the light in a concentrated centre area of the shot to calculate the exposure of the shot. **Matrix** averages the entire scene.
- : Activate or deactivate the flash.
- : Focus on a subject inside the circular frame and blur the image outside the frame.

Camera settings

On the preview screen, tap .



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

REAR CAMERA

- **Picture size:** Select a resolution for photos. Using a higher resolution will result in higher quality photos, but they will take up more memory.
- **Video size:** Select a resolution for videos. Using a higher resolution will result in higher quality videos, but they will take up more memory.

FRONT CAMERA

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

COMMON

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

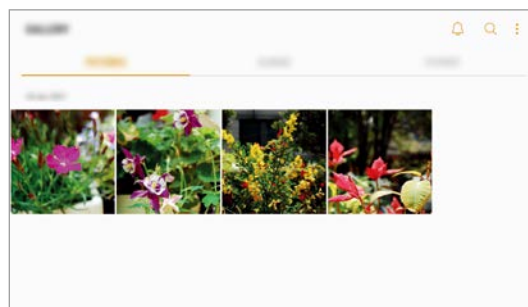


- GPS signal strength may decrease in locations where the signal is obstructed, such as between buildings or in low-lying areas, or in poor weather conditions.
- Your location may appear on your photos when you upload them to the Internet. To avoid this, deactivate the location tag setting.
- **Review pictures:** Set the device to show photos after capturing them.
- **Storage location:** Select the memory location for storage (only available when a microSD card is inserted).
- **Volume key function:** Set the device to use the Volume key to control the shutter.
- **Reset settings:** Reset the camera settings.

Gallery

Introduction

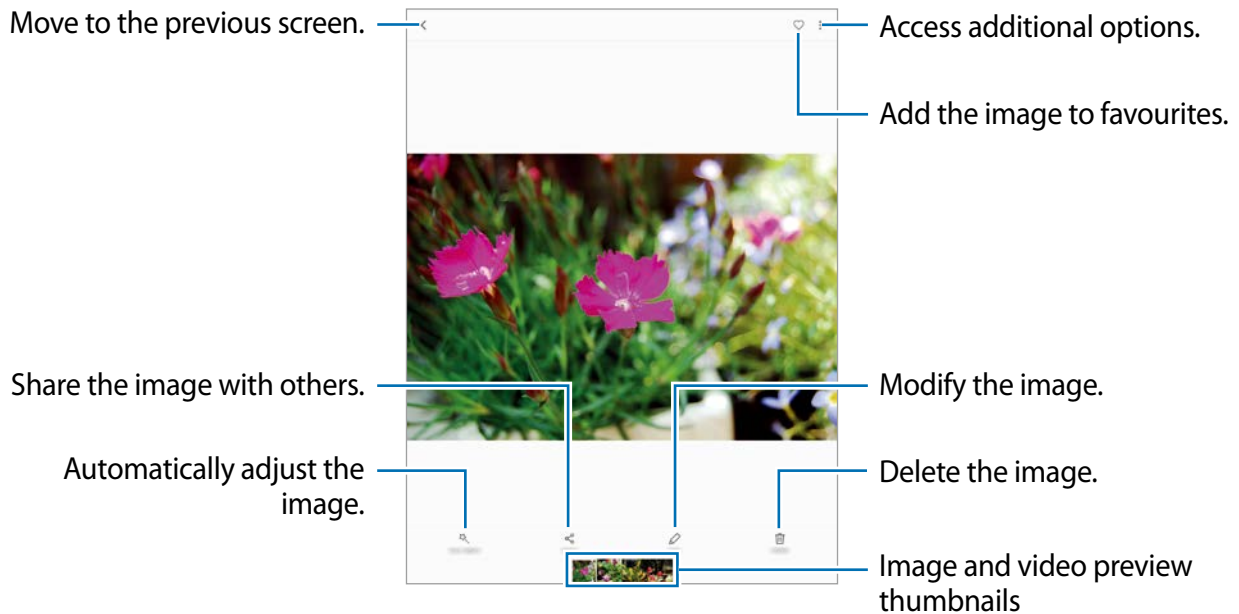
View images and videos stored in your device. You can also manage images and videos by album or create stories to share with others.



Viewing images and videos


Viewing images

- 1 On the Apps screen, tap **Gallery** → **PICTURES**.
- 2 Select an image.



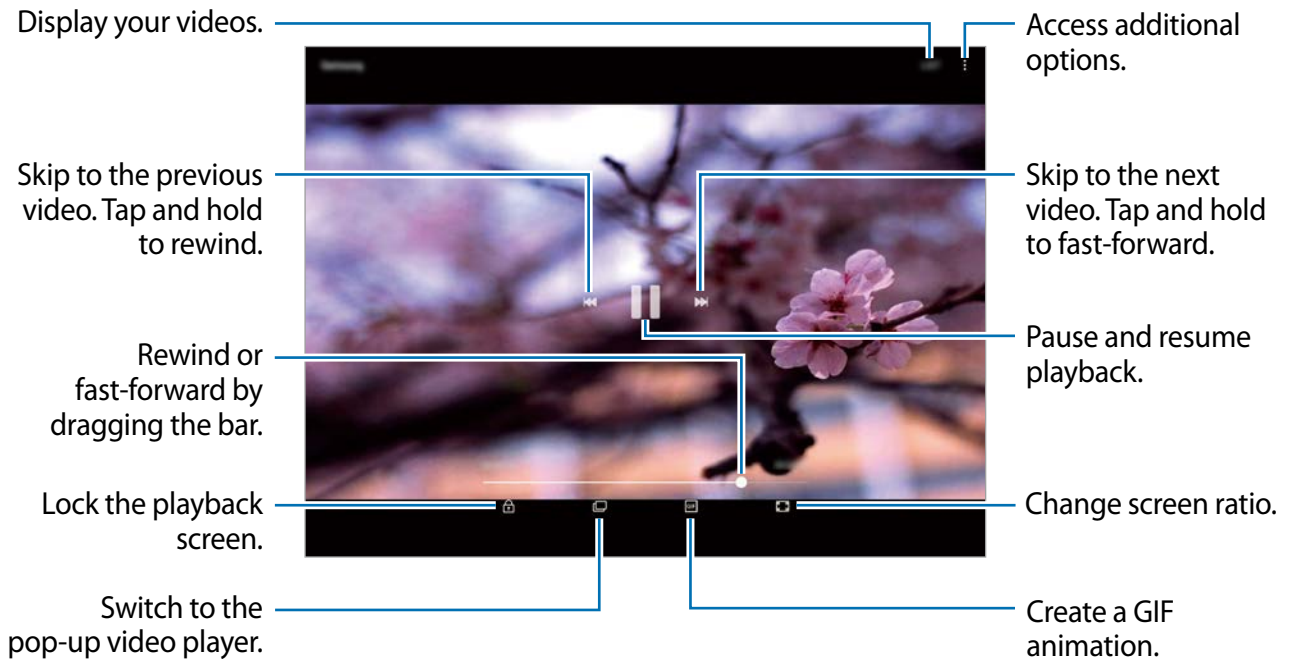
To hide or show the menus, tap the screen.



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

Viewing videos

- 1 On the Apps screen, tap **Gallery** → **PICTURES**.
- 2 Select a video to play. Video files show the ▶ icon on the preview thumbnail.



Drag your finger up or down on the left side of the playback screen to adjust the brightness, or drag your finger up or down on the right side of the playback screen to adjust the volume. To rewind or fast-forward, swipe to the left or right on the playback screen.

Viewing albums

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


On the Apps screen, tap **Gallery** → **ALBUMS** and select an album.

Viewing stories



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

Creating stories

Create stories with various themes.

- 1 On the Apps screen, tap **Gallery** → **STORIES**.
- 2 Tap  → **Create story**.
- 3 Tick images or videos to include in the story and tap **DONE**.
- 4 Enter a title for the story and tap **CREATE**.

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


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 On the Apps screen, tap **Gallery** → **STORIES**.
- 2 Tap and hold a story to delete, and tap **DELETE**.

Syncing images and videos with Samsung Cloud

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

On the Apps screen, tap **Gallery** →  → **Settings** and tap the **Samsung Cloud** switch to activate it. Images and videos captured on the device will be automatically saved to Samsung Cloud.

Deleting images or videos

Deleting an image or a video

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

Deleting multiple images and videos

- 1 On the main Gallery screen, tap and hold an image or a video to delete.
- 2 Tick the images or videos to delete.
- 3 Tap **DELETE**.

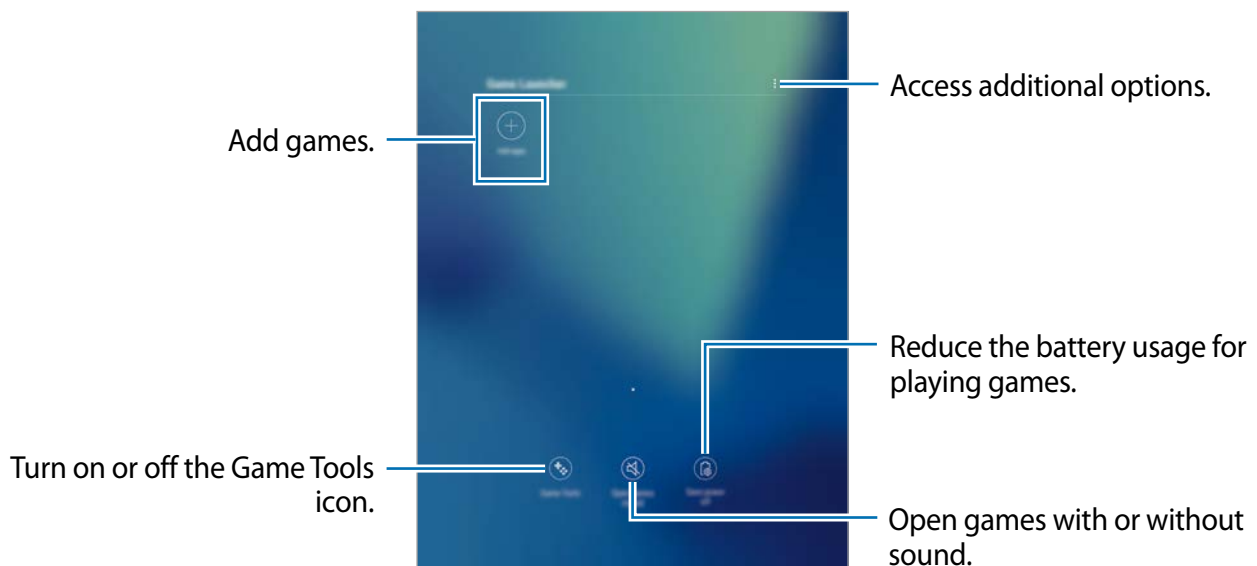
Sharing images or videos

Select an image or a video, tap **Share** at the bottom of the screen, and then select a sharing method.

Game Launcher

Introduction

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



Using Game Launcher

- 1 On the Apps screen, tap **Settings** → **Advanced features** → **Games** → **Game Launcher** and tap the switch to activate it.

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



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

- 2 On the Apps screen, tap **Game Launcher**.

- 3 Tap a game from the games list.



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

Removing a game from Game Launcher

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

Activating game power saving mode

When you activate game power saving mode, the device will lower games' resolution and frame rate to reduce battery consumption.

On the Apps screen, tap **Game Launcher** → **Save power off**. Select one of the following options:

- **Off**: Power saving mode is not used.
- **Save power**: Decrease battery power consumption by lowering the resolution.
- **Save maximum power**: Dramatically decrease the battery power consumption by lowering the resolution and frame rate.



Battery power efficiency may vary by game.


Using Game Tools

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

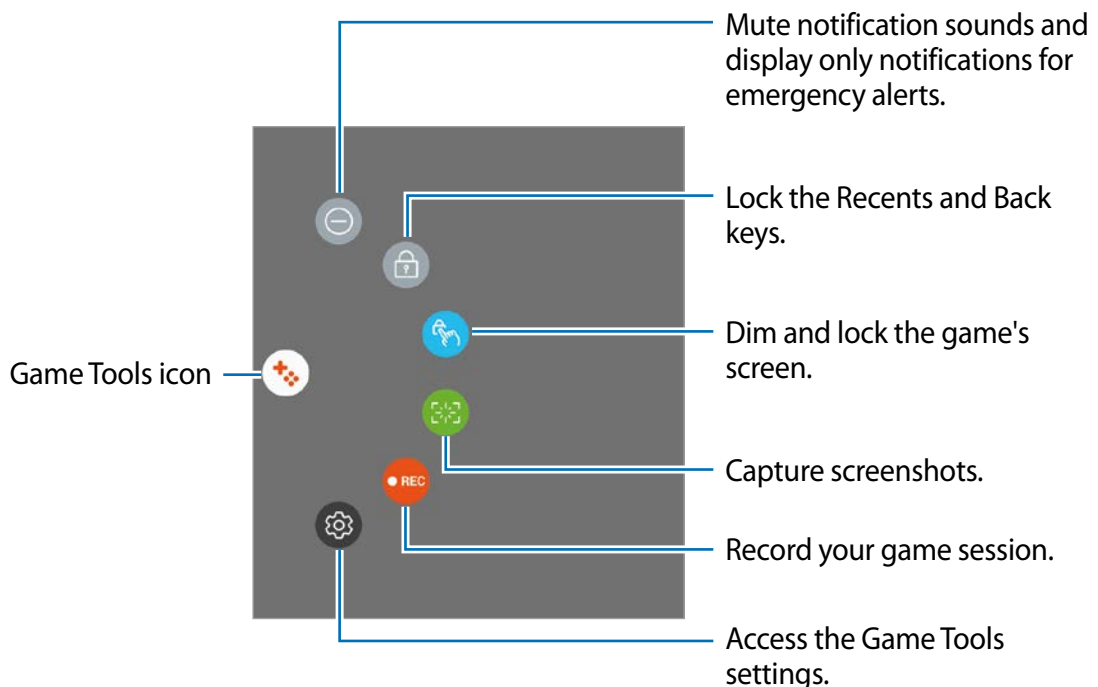
On the Apps screen, tap **Settings** → **Advanced features** → **Games** and tap the **Game Tools** switch to activate it.

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



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

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

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



Blocking notifications during games

Tap  →  to mute notification sounds and display only notifications for emergency alerts, so that you can enjoy your games without being disturbed.

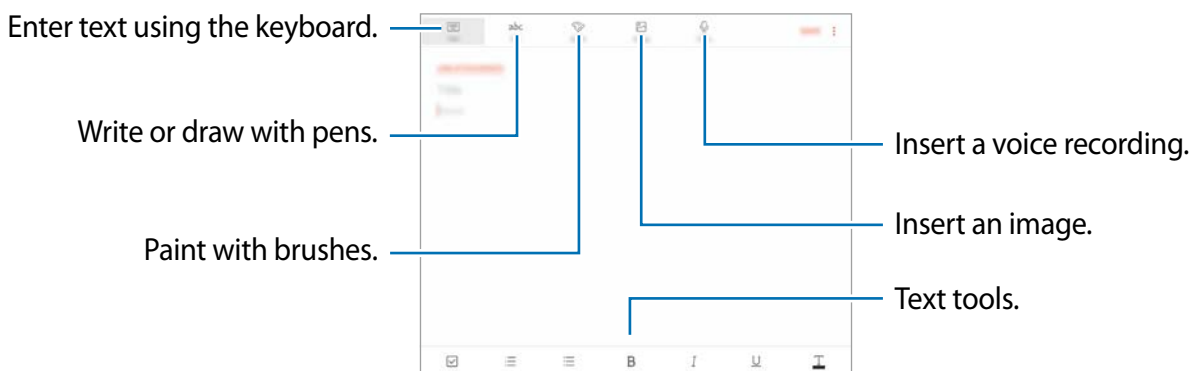
Samsung Notes

Introduction

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

Creating notes

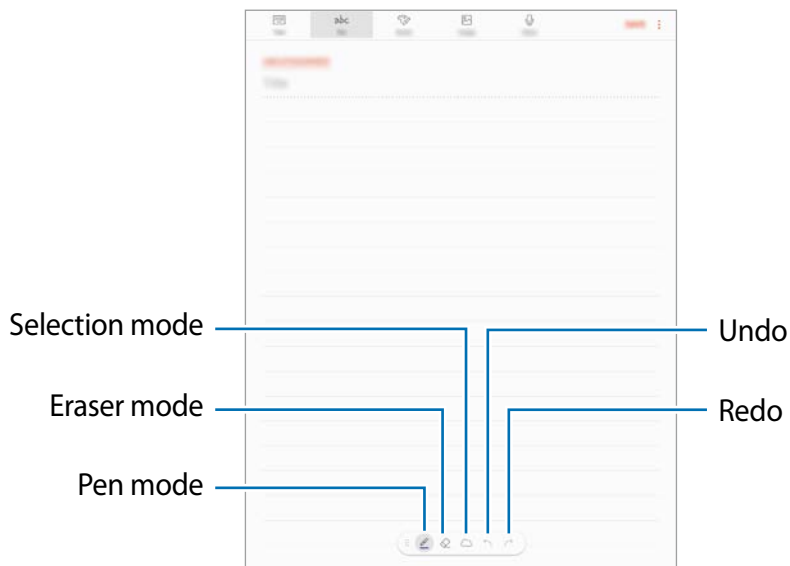
- 1 On the Apps screen, tap **Samsung Notes** → **ALL** → **+**.
You can also open the Air command panel and tap the **Create note** shortcut.
- 2 Select an input method from the toolbar at the top of the screen and compose a note.
Tap **Image** to insert an image by selecting from **Gallery** or by taking a photo.
Tap **Voice** to record a voice recording and insert it into the note. Voice recording will start immediately.



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

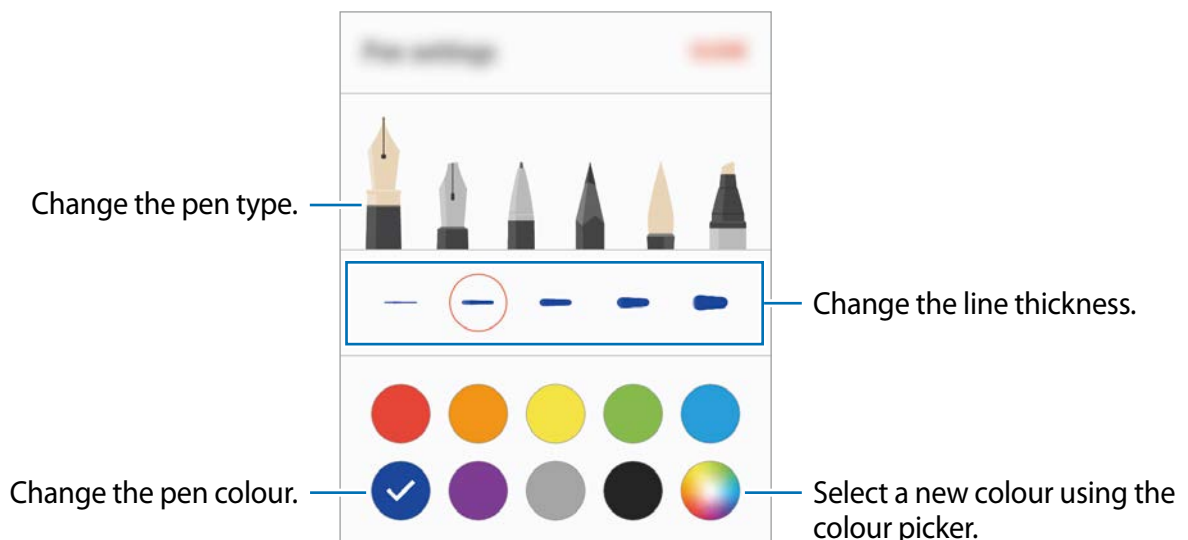
Composing notes in handwriting mode

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




Changing the pen settings

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




Using the line eraser

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

2 Tap an area to erase.

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

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




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

Editing handwritten notes

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

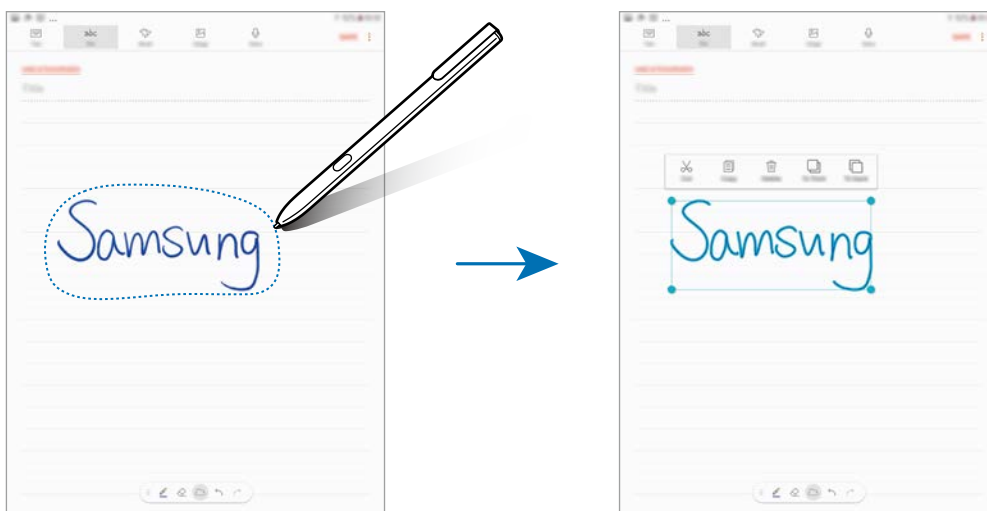
1 When there is handwriting on the note, tap .

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

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

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

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



3 Edit the input using the available options.

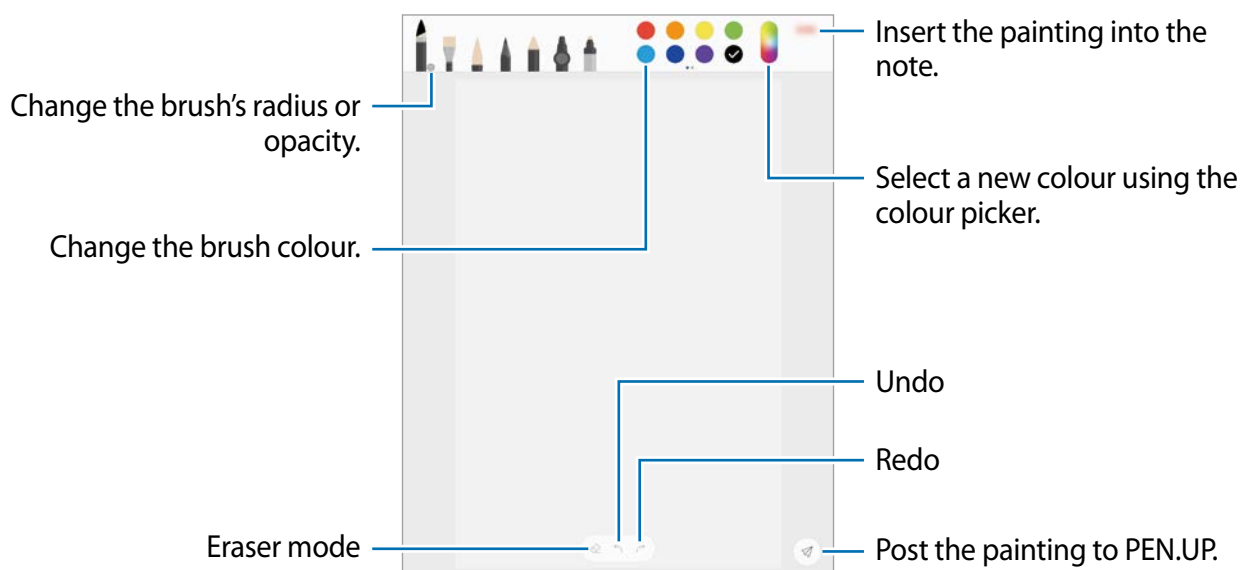
- **Cut:** Cut out the input. To paste it to another location, tap and hold the location, and then tap **Paste**.
- **Copy:** Copy the input. To paste it to another location, tap and hold the location, and then tap **Paste**.
- **Delete:** Delete the input.
- **To front:** Send the input to the front.
- **To back:** Send the input to the back.

Painting with brushes


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

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


You can post your painting to PEN.UP to share it with others.



Inserting images into a note


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


Inserting voice recordings into a note

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

Pinning a note to the Home screen

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

- 1 On the Apps screen, tap **Samsung Notes**.
- 2 Tap **ALL**, or tap **COLLECTIONS** and select a category.
- 3 Select a note and tap  → **Pin to home screen**.
The note will be added to the Home screen.

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

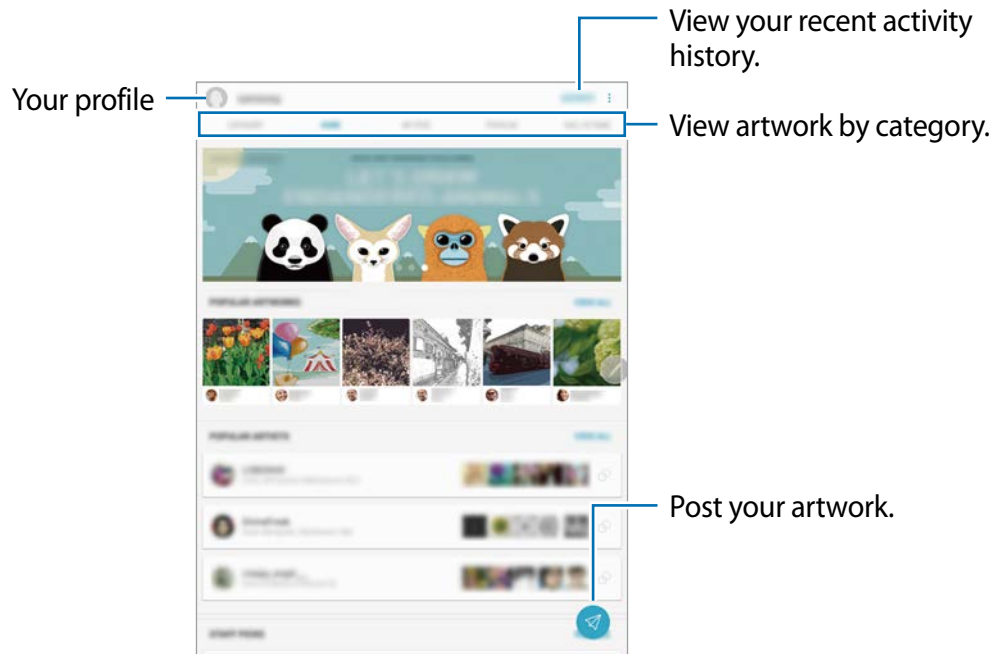
Deleting notes

- 1 On the Apps screen, tap **Samsung Notes**.
- 2 Tap **ALL**, or tap **COLLECTIONS** and select a category.
- 3 Tap and hold a note to delete.
To delete multiple notes, tick more notes to delete.
- 4 Tap **DELETE**.

PEN.UP

Introduction

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



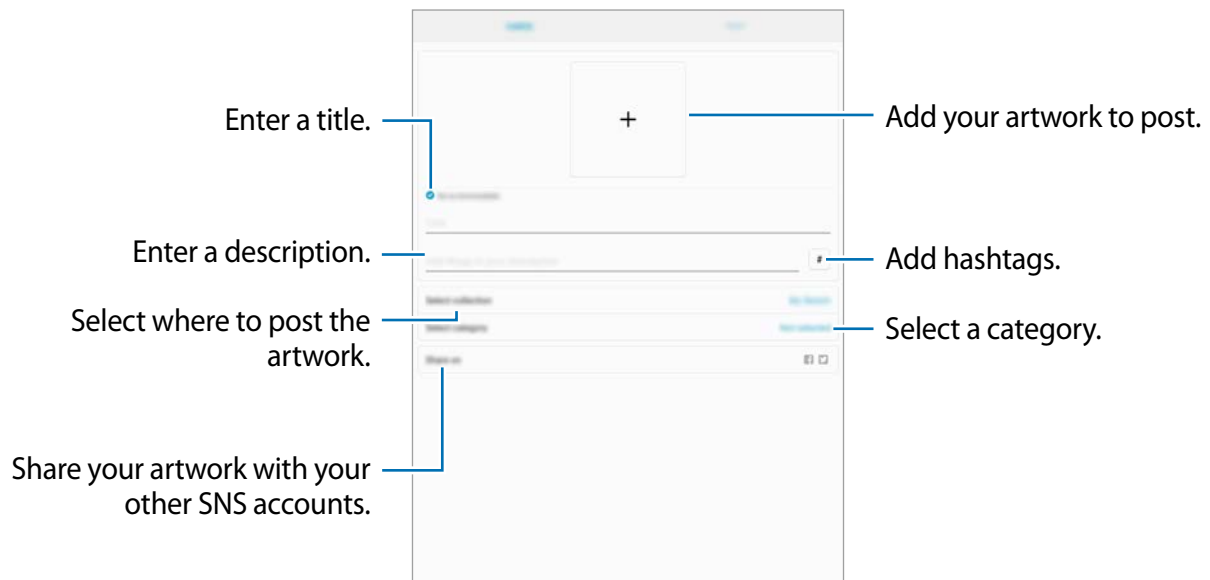
You can sign in to PEN.UP with your Samsung or Google account or other SNS accounts.

Posting your artwork

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

1 On the Apps screen, tap **Samsung** → **PEN.UP** → .

2 Add your artwork to post and enter a title, description, and hashtag.



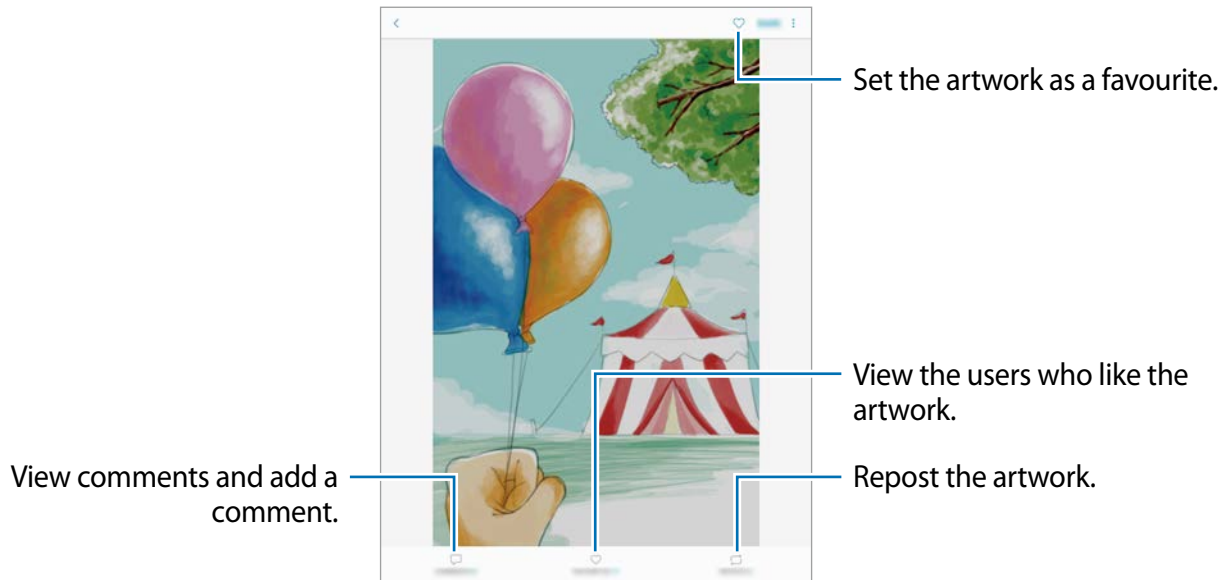
3 Tap **POST**.


Posting artwork from other apps

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

Viewing artwork

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





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

Calendar

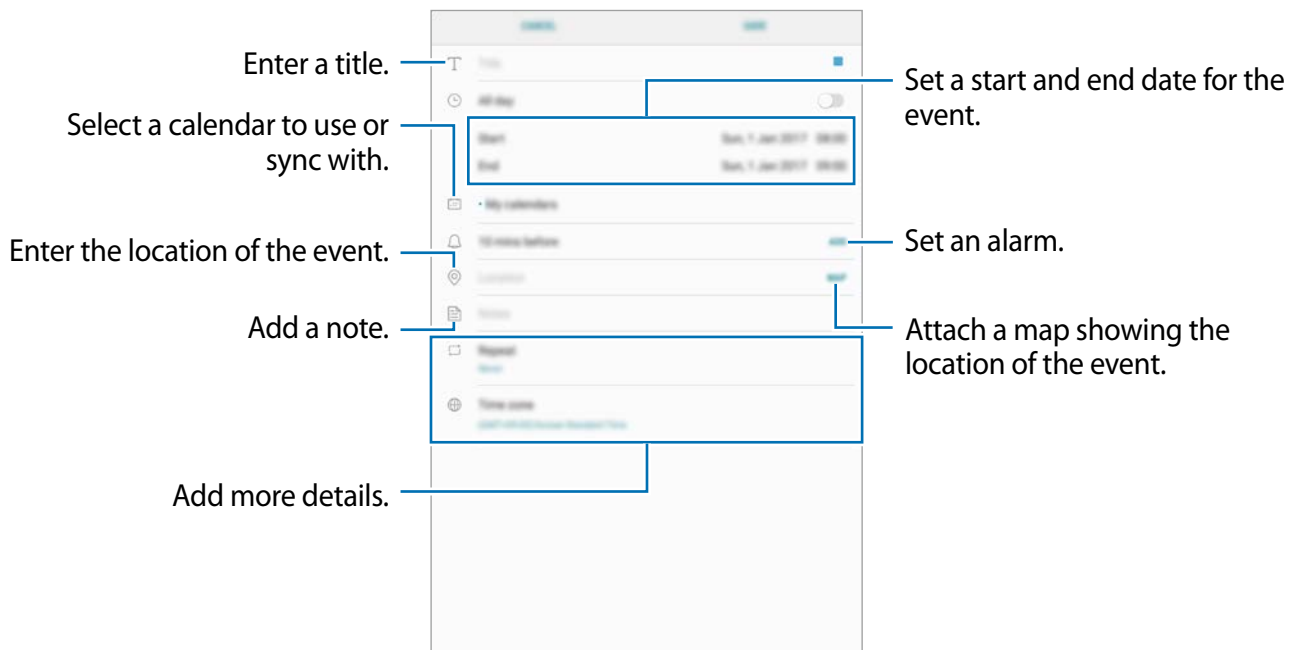
Introduction

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

Creating events

- 1 Tap **Calendar** on the Apps screen.
- 2 Tap  or double-tap a date.
If the date already has saved events or tasks in it, tap the date and tap .

3 Enter event details.



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

Creating tasks

1 Tap **Calendar** on the Apps screen.

2 Tap **VIEW** → **Tasks**.

3 Tap **+** and enter task details.

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

Syncing events and tasks with your accounts

On the Apps screen, tap **Settings** → **Cloud and accounts** → **Accounts**, select an account service, and then tap the **Sync Calendar** switch to sync events and tasks with the account.

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

Samsung Flow

Introduction

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

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



- This feature is only available on some Samsung Android devices.
- To use this feature, you must register your fingerprint on your smartphone.

Connecting your tablet and smartphone

- 1 On your smartphone, launch **Samsung Flow**, and then tap the switch to activate it.
If you have not registered your fingerprint, a pop-up window requesting to add a fingerprint will appear.
- 2 On your tablet, launch **Samsung Flow**, and then tap **SCAN FOR DEVICES**.
- 3 Select your smartphone from the detected devices list, and then tap **CONNECT**.
- 4 Accept the connection request on both devices.
The screen of your smartphone will appear on your tablet in full screen.


My Files

Access and manage various files stored in the device.

On the Apps screen, tap **Samsung** → **My Files**.

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

To free up the device's storage, tap  → **Manage storage usage** → **CLEAN NOW**.

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

Clock


Introduction

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

ALARM

On the Apps screen, tap **Clock** → **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

On the Apps screen, tap **Clock** → **WORLD CLOCK**.

Creating clocks

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

Deleting clocks

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

STOPWATCH

- 1 On the Apps screen, tap **Clock** → **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 On the Apps screen, tap **Clock** → **TIMER**.
- 2 Set the duration, and then tap **START**.
To open the keypad to enter the duration, tap the duration input field.
- 3 Tap **DISMISS** or **RESTART** when the timer goes off.

Calculator

Perform simple or complex calculations.

Tap **Calculator** on the Apps screen.

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

Google apps

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

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



Some apps may not be available or may be labeled 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 shows, from **Play Store**.

Drive

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

YouTube

Watch or create videos and share them with others.

Photos

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

Hangouts

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

Google


Search quickly for items on the Internet or your device.

Settings

Introduction

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

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

To search for settings by entering keywords, tap .

Connections

Wi-Fi

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



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

Connecting to a Wi-Fi network

- 1 On the Settings screen, tap **Connections** → **Wi-Fi**, and then tap the switch to activate it.
- 2 Select a network from the Wi-Fi networks list.
Networks that require a password appear with a lock icon.

3 Tap **CONNECT**.



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

WI-FI DIRECT

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

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

2 Tap **WI-FI DIRECT**.

The detected devices are listed.

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

3 Select a device to connect to.

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

Sending and receiving data

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

1 Tap **Gallery** on the Apps screen.

2 Select an image.

3 Tap **Share** → **Wi-Fi Direct** and select a device to receive the image.

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

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

Ending the device connection

- 1 On the Settings screen, tap **Connections** → **Wi-Fi**.
- 2 Tap **WI-FI DIRECT**.
The device displays the connected devices in the list.
- 3 Tap the device name to disconnect the devices.

Bluetooth

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



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

Pairing with other Bluetooth devices

- 1 On the Settings screen, tap **Connections** → **Bluetooth**, and then tap the switch to activate it.
The detected devices are listed.
- 2 Select a device to pair with.
If the device you want to pair with is not in the list, request that the device turns on its visibility option. Refer to the other device's user manuals.



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

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

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

Sending and receiving data

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

- 1 Tap **Gallery** on the Apps screen.

- 2 Select an image.

- 3 Tap **Share** → **Bluetooth**, and then select a device to receive the image.

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


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

- 4 Accept the Bluetooth connection request on the other device.

Unpairing Bluetooth devices

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

The device displays the paired devices in the list.

- 2 Tap  next to the device name to unpair.

- 3 Tap **Unpair**.

Tablet visibility

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

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

Data usage

Keep track of your data usage amount.

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

- **Wi-Fi data usage:** Monitor your Wi-Fi data usage.
- **Restrict networks:** Select Wi-Fi networks to prevent apps running in the background from using them.

Flight mode

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

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



Make sure the device is turned off during takeoff and landing. After takeoff, you can use the device in flight mode if allowed by aircraft personnel.

Location

Change settings for location information permissions.

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

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

More connection settings

Customize settings to control other features.

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

- **Nearby device scanning:** Set the device to scan for nearby devices to connect to.
- **Printing:** Configure settings for printer plug-ins installed on the device. You can search for available printers or add one manually to print files. Refer to [Printing](#) for more information.
- **VPN:** Set up and connect to virtual private networks (VPNs).
- **Ethernet:** The Ethernet option is available when an Ethernet adapter is connected to the device. Use this option to activate the Ethernet feature and configure network settings.

Printing

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



Some printers may not be compatible with the device.

Adding printer plug-ins

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

- 1 On the Settings screen, tap **Connections** → **More connection settings** → **Printing** → **DOWNLOAD PLUG-IN**.
- 2 Search for a printer plug-in in **Play Store**.
- 3 Select a printer plug-in and install it.
- 4 Select the printer plug-in and tap the switch to activate it.
The device searches for printers that are connected to the same Wi-Fi network as your device.
- 5 Select a printer to add.



To add printers manually, tap **:** → **Add printer** → **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

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, vibrate mode or mute mode.
- **Volume:** Adjust the volume level for music and videos, system sounds, and notifications.
- **Vibration intensity:** Adjust the force of the vibration for notifications and feedback.
- **Notification sounds:** Select a default notification sound. You can also change the notification sound for various apps.
- **Do not disturb:** Set the device to mute notification sounds at specific times, except for allowed exceptions.
- **Touch sounds:** Set the device to sound when you select an app or option on the touchscreen.
- **Screen lock sounds:** Set the device to sound when you lock or unlock the touchscreen.
- **Charging sound:** Set the device to sound when it is connected to a charger.
- **Vibration feedback:** Set the device to vibrate when you tap  or  and for other actions, such as tapping and holding items.
- **Keyboard sound:** Set the device to sound when a key is touched.
- **Keyboard vibration:** Set the device to vibrate when a key is touched.
- **Sound quality and effects:** Configure additional sound settings.

Notifications

Change the notification settings for each app.

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

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



The available options vary depending on the app selected.

- **Allow notifications:** Allow notifications from the selected app.
- **Show silently:** Set the device to mute notification sounds and hide notification previews.
- **Set as priority:** Display notifications at the top of the notification panel and include them in the allowed list when **Do not disturb** is activated.

Display

Options

Change the display and the Home screen settings.

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

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

Blue light filter

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



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

- 1 On the Settings screen, tap **Display** → **Blue light filter**, and then tap the **Turn on now** switch to activate it.
- 2 Drag the adjustment bar to adjust the filter's opacity.
- 3 To set the schedule to apply the blue light filter to the screen, tap the **Turn on as scheduled** switch to activate it and select an option.
 - **Sunset to sunrise:** Set the device to apply the blue light filter at night and turn it off in the morning, based on your location.
 - **Custom schedule:** Set a specific time to apply the blue light filter.

Wallpaper

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

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

Advanced features

Options

Activate advanced features and change the settings that control them.

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



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

- **S Pen:** Change the settings for using the S Pen. Refer to [S Pen features](#) for more information about **Air command**, **Air view**, **Direct pen input** and **Screen off memo**.

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

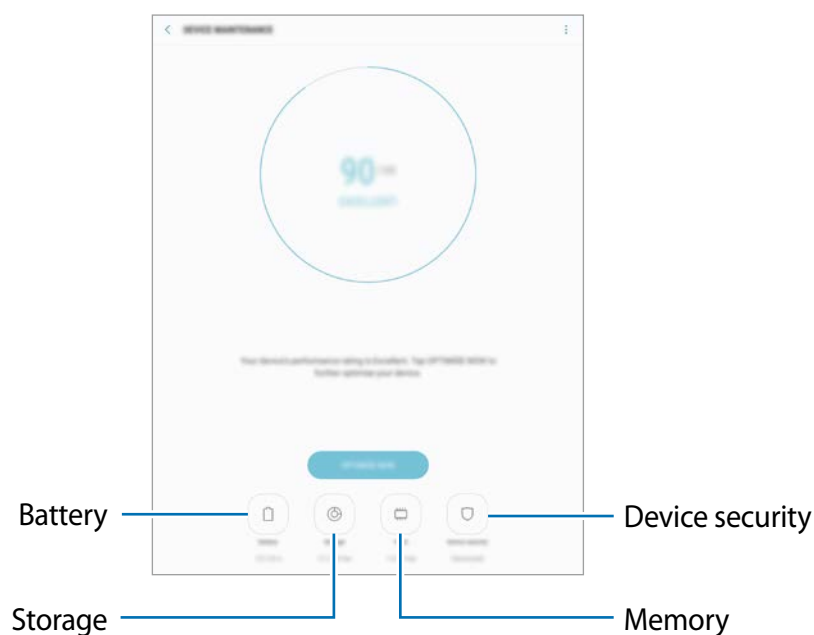


It is not possible to capture a screenshot while using some apps and features.

- **Easy mute:** Set the device to mute alarms by using palm motions.
- **Direct share:** Set the device to display the people you contacted on the sharing options panel to allow you to share content directly.

Device maintenance

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



Using the quick optimization feature

On the Settings screen, tap **Device maintenance** → **FIX NOW** or **OPTIMIZE NOW**.

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

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

Battery

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

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




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

Managing the battery

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

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

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

Storage

Check the status of the used and available memory.

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



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

Managing the memory

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

Memory

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

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

Device security

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

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

Apps

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

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

Lock screen and security

Options

Change the settings for securing the device.

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



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

- **Screen lock type:** Change the screen lock method.
- **Info and app shortcuts:** Change settings for the apps that can be opened from the locked screen.

- **Notifications:** Set whether or not to show notification content on the locked screen and select which notifications to display.
- **Secure lock settings:** Change screen lock settings for the selected lock method.
- **Fingerprints:** Register your fingerprint to the device to secure the device or sign in to your Samsung account. Refer to [Fingerprint recognition](#) for more information.
- **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.
- **Unknown sources:** 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.
- **Secure startup:** Protect your device by setting it to require a screen unlock code when turning on the device. You must enter the unlock code to start the device and receive messages and notifications.
- **Encrypt SD card:** Set the device to encrypt files on a memory card.



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

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

Fingerprint recognition

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

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



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

For better fingerprint recognition

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

- The Home key contains a fingerprint recognition sensor. Ensure that the Home key is not scratched or damaged by metal objects, such as coins, keys, and necklaces.
- The screen protector supplied with the device may cause the fingerprint recognition sensor to malfunction. Remove the screen protector to improve fingerprint sensitivity.
- Ensure that the fingerprint recognition area and your fingers are clean and dry.
- The device may not recognize fingerprints that are affected by wrinkles or scars.
- The device may not recognize fingerprints from small or thin fingers.
- If you bend your finger or use a fingertip, the device may not recognize your fingerprints. Make sure to cover the entire Home key with your finger.
- To improve recognition performance, register fingerprints of the hand used most often to perform tasks on the device.
- In dry environments, static electricity can build up in the device. Avoid using this feature in dry environments or before using the feature, discharge static electricity by touching a metal object.

Registering fingerprints

- 1 On the Settings screen, tap **Lock screen 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 Place your finger on the Home key.
- 4 After the device detects your finger, lift it up and place it on the Home key again.
Repeat this action by moving your finger upwards or downwards until the fingerprint is registered.

Deleting fingerprints

You can delete registered fingerprints.

- 1 On the Settings screen, tap **Lock screen and security** → **Fingerprints**.
- 2 Unlock the screen using the preset screen lock method.
- 3 Tap **EDIT**.
- 4 Tick fingerprints to delete and tap **REMOVE**.

Verifying the Samsung account password

Use fingerprints to verify your Samsung account password. You can use a fingerprint instead of entering your password, for example, when you purchase content from **Galaxy Apps**.

- 1 On the Settings screen, tap **Lock screen and security** → **Fingerprints**.
- 2 Unlock the screen using the preset screen lock method.
- 3 Tap the **Samsung account** switch to activate it.
- 4 Sign in to your Samsung account.

Using fingerprints to sign in to accounts

You can use your fingerprints to sign in to webpages that support password saving.



This feature is only available for webpages that you access via the **Internet** app.

- 1 On the Settings screen, tap **Lock screen and security** → **Fingerprints**.
- 2 Unlock the screen using the preset screen lock method.
- 3 Tap the **Web sign-in** switch to activate it.
- 4 Open a webpage that you want to sign in to with a fingerprint.
- 5 Enter your user name and password, and then tap the webpage's sign in button.
- 6 Tick **Sign in using your fingerprints** and tap **REMEMBER**.
You can use your fingerprint to verify your account and password to sign in to the webpage.

Unlocking the screen with fingerprints

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

- 1 On the Settings screen, tap **Lock screen 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 Home key and scan your fingerprint.

Cloud and accounts

Introduction

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



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

Samsung Cloud

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

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

Manage cloud storage

View the amount of storage space you are currently using in Samsung Cloud and the amount of usage by data type. You can also delete backup data from old devices after restoring data.

BACK UP AND RESTORE

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

DATA TO SYNC

Customize the sync settings of your data, such as contacts, calendar events, images, and videos.

Accounts

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



Adding accounts

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

- 1 On the Settings screen, tap **Cloud and accounts** → **Accounts** → **Add account**.
- 2 Select an account service.
- 3 Follow the on-screen instructions to complete the account setup.

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

Removing accounts

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

Users

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

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

Adding users

- 1 On the Settings screen, tap **Cloud and accounts** → **Users**.
- 2 Tap **Add user or profile** → **User** → **OK** → **SET UP NOW**.
The device will switch to a new user account and the default locked screen will appear on the screen.
- 3 Unlock the device and follow the on-screen instructions to complete the account setup.

Adding restricted profiles

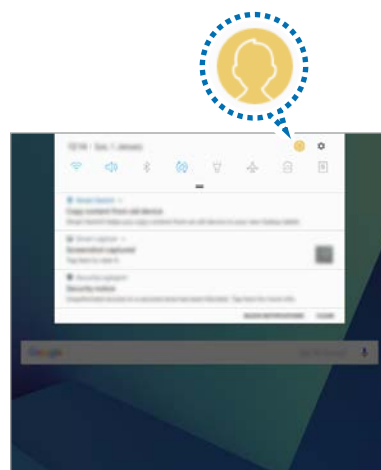
- 1 On the Settings screen, tap **Cloud and accounts** → **Users**.
- 2 Tap **Add user or profile** → **User (restricted profile)**.
If you are not using a secure screen lock method with the owner account, follow the on-screen instructions to set one up.
- 3 Select the apps and content that restricted users are allowed to access.

Switching users

Tap the user account icon at the top of the locked screen or the notification panel, and then select an account to switch to.




Locked screen





Notification panel

Managing users

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

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

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

Backup and restore

Change the settings for managing settings and data.

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

SAMSUNG ACCOUNT

- **Backup settings:** Back up your personal information and app data to Samsung Cloud. You can also set the device to automatically back up data.
- **Restore:** Restore previously backed up personal information and app data from Samsung Cloud.

GOOGLE ACCOUNT

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

Google

Configure settings for some features provided by Google.

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

Accessibility

Configure various settings to improve accessibility to the device.

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

- **Vision:** Customize the settings to improve accessibility for visually impaired users.
- **Hearing:** Customize the settings to improve accessibility for users with hearing impairment.
- **Dexterity and interaction:** Customize the settings to improve accessibility for users who have reduced dexterity.
- **Text-to-speech:** Change the settings for text-to-speech features used when Voice Assistant is activated, such as languages, speed, and more.
- **Direction lock:** Change the directional combination settings for unlocking the screen.
- **Direct access:** Set the device to open selected accessibility menus when you press the Home key three times quickly.
- **Notification reminder:** Set the device to alert you to notifications that you have not checked at the interval.
- **Single tap mode:** Set the device to control notifications by tapping the button instead of dragging it.
- **Manage accessibility:** Export or import the accessibility settings to share them with other devices.
- **SERVICES:** View accessibility services installed on the device.

General management

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

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

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



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

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

Software update

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

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

- **Download updates manually:** Check for and install updates manually.
- **Scheduled software updates:** Set the device to install downloaded updates at a specified time.

About device

Access your device's information.

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

- **Status:** View various device information, such as 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.
- **Device name:** View and edit the name that will be displayed when connecting your device with other devices via Bluetooth, Wi-Fi Direct, and other methods.
- **Model number:** View the device's model number.
- **Software information:** View the device's software information, such as its operating system version and firmware version.
- **Battery information:** View the device's battery status and information.

Appendix

Troubleshooting

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

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

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

Your device displays network or service error messages

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

Your device does not turn on

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

The touchscreen responds slowly or improperly

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

Your device freezes or encounters a fatal error

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

Restarting the device

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

Forcing restart

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

Resetting the device

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

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

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

The Internet is often disconnected

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

The battery icon is empty

Your battery is low. Charge the battery.

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

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

The battery depletes faster than when first purchased

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

Your device is hot to the touch

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

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

Error messages appear when launching the camera

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

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

Photo quality is poorer than the preview

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

Error messages appear when opening multimedia files

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

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

Another Bluetooth device is not located

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

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

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

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

Your device cannot find your current location

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

Data stored in the device has been lost

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

A small gap appears around the outside of the device case

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

There is not enough space in the device's storage

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

Removing the battery

- **To remove the battery, contact an authorized service centre.**
- 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.

Health and Safety

This safety information contains content for mobile devices. Some content may be not applicable to your device. To prevent injury to yourself and others or damage to your device, read the safety information about your device before using the device.



Warning: Failure to comply with safety warnings and regulations can cause serious injury or death.

Do not use damaged power cords or plugs, or loose electrical sockets

- Unsecured connections can cause electric shock or fire.

Do not touch the power cord with wet hands or disconnect the charger by pulling the cord

- Doing so may result in electrocution.

Do not bend or damage the power cord

- Doing so may cause electric shock or fire.

Do not use your device while it is charging or touch your device with wet hands

- Doing so may cause electric shock.

Do not short-circuit the charger or the device

- Doing so may cause electric shock or fire, or the battery may malfunction or explode.

Do not use your device outdoor during a thunderstorm

- Doing so may result in electric shock or device malfunction.

Use manufacturer-approved chargers, accessories, and supplies

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

Handle and dispose of the device and charger with care

- Never dispose of the device in a fire. Never place the device on or in heating devices, such as microwave ovens, stoves, or radiators. The device may explode when overheated. Follow all local regulations when disposing of used battery or device.
- Never crush or puncture the device.

- Avoid exposing the device to high external pressure, which can lead to an internal short circuit and overheating.

Protect the device and charger from damage

- Avoid exposing your device to very cold or very hot temperatures.
- Extreme temperatures can damage the device and reduce the charging capacity and life of your device and battery.
- Never use a damaged charger.

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

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

Do not use or store your device in areas with high concentrations of dust or airborne materials

- Dust or foreign materials can cause your device to malfunction and may result in fire or electric shock.

Do not bite or suck the device

- Doing so may damage the device or result in an explosion or fire.
- Children or animals can choke on small parts.
- If children use the device, make sure that they use the device properly.

Do not insert the device or supplied accessories into the eyes, ears, or mouth

- Doing so may cause suffocation or serious injuries.



Caution: Failure to comply with safety cautions and regulations can cause injury or property damage

Do not use your device near other electronic devices

- Most electronic devices use radio frequency signals. Your device may interfere with other electronic devices.

Do not use your device in a hospital, on an aircraft, or in an automotive equipment that can be interfered with by radio frequency

- Avoid using your device within a 15 cm range of a pacemaker, if possible, as your device can interfere with the pacemaker.
- To minimize possible interference with a pacemaker, use your device only on the side of your body that is opposite the pacemaker.
- If you use medical equipment, contact the equipment manufacturer before using your

device to determine whether or not the equipment will be affected by radio frequencies emitted by the device.

- On an aircraft, using electronic devices can interfere with the aircraft's electronic navigational instruments. Make sure the device is turned off during takeoff and landing. After takeoff, you can use the device in flight mode if allowed by aircraft personnel.
- Electronic devices in your car may malfunction, due to radio interference from your device. Contact the manufacturer for more information.

Do not expose the device to heavy smoke or fumes

- Doing so may damage the outside of the device or cause it to malfunction.

If you use a hearing aid, contact the manufacturer for information about radio interference

- The radio frequency emitted by your device may interfere with some hearing aids. Before using your device, contact the manufacturer to determine whether or not your hearing aid will be affected by radio frequencies emitted by the device.

Do not use your device near devices or apparatuses that emit radio frequencies, such as sound systems or radio towers

- Radio frequencies may cause your device to malfunction.
- Turn off the device in potentially explosive environments
- Turn off your device in potentially explosive environments instead of removing the battery.
- Always comply with regulations, instructions and signs in potentially explosive environments.
- Do not use your device at refuelling points (gas stations), near fuels or chemicals, or in blasting areas.
- Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the device, its parts, or accessories.

If you notice strange smells or sounds coming from your device or the battery, or if you see smoke or liquids leaking from the device or battery, stop using the device immediately and take it to a Samsung Service Centre

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

Comply with all safety warnings and regulations regarding mobile device usage while operating a vehicle

- While driving, safely operating the vehicle is your first responsibility. Never use your mobile device while driving, if it is prohibited by law. For your safety and the safety of others, use your common sense and remember the following tips:

- Position your device within easy reach. Make sure you can access your wireless device without taking your eyes off the road.
- Suspend use in heavy traffic or hazardous weather conditions. Rain, sleet, snow, ice, and heavy traffic can be hazardous.
- Do not take notes or look up phone numbers. Jotting down a “to do” list or flipping through your address book takes attention away from your primary responsibility of driving safely.

Care for and use your mobile device properly

Keep your device dry

- Humidity and liquids may damage the parts or electronic circuits in your device.
- Do not turn on your device if it is wet. If your device is already on, turn it off and remove the battery immediately (if the device will not turn off or you cannot remove the battery, leave it as-is). Then, dry the device with a towel and take it to a service centre.
- Liquids will change the colour of the label that indicates water damage inside the device. Water damage to your device can void your manufacturer’s warranty.

Store your device only on flat surfaces

- If your device falls, it may be damaged.

The device can be used in locations with an ambient temperature of 0°C to 35°C. You can store the device at an ambient temperature of -20°C to 50°C. Using or storing the device outside of the recommended temperature ranges may damage the device or reduce the battery’s lifespan

- Do not store your device in very hot areas such as inside a car in the summertime. Doing so may cause the screen to malfunction, result in damage to the device, or cause the battery to explode.
- Do not expose your device to direct sunlight for extended periods of time (on the dashboard of a car, for example).

Do not store your device with metal objects, such as coins, keys, and necklaces

- Your device may be scratched or may malfunction.

Do not store your device near magnetic fields

- Your device may malfunction or the battery may discharge from exposure to magnetic fields.
- Magnetic stripe cards, including credit cards, phone cards, passbooks, and boarding passes, may be damaged by magnetic fields.

Do not use your device or applications for a while if the device is overheated

- Prolonged exposure of your skin to an overheated device may cause low temperature burn symptoms, such as red spots and pigmentation.

Use caution when exposed to flashing lights

- While using your device, leave some lights on in the room and do not hold the screen too close to your eyes.
- Seizures or blackouts can occur when you are exposed to flashing lights while watching videos or playing Flash-based games for extended periods. If you feel any discomfort, stop using the device immediately.
- If anyone related to you has experienced seizures or blackouts while using a similar device, consult a physician before using the device.
- If you feel discomfort, such as a muscle spasm, or disoriented, stop using the device immediately and consult a physician.
- To prevent eye strain, take frequent breaks while using the device.

Reduce the risk of repetitive motion injuries

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

Protect your hearing and ears when using a headset

- Excessive exposure to loud sounds can cause hearing damage.
- Exposure to loud sounds while walking may distract your attention and cause an accident.
- Always turn the volume down before plugging the earphones into an audio source and use only the minimum volume setting necessary to hear your conversation or music.
- In dry environments, static electricity can build up in the headset. Avoid using headsets in dry environments or touch a metal object to discharge static electricity before connecting a headset to the device.
- Do not use a headset while driving or riding. Doing so may distract your attention and cause an accident, or may be illegal depending on your region.

Use caution when using the device while walking or moving

- Always be aware of your surroundings to avoid injury to yourself or others.

- Make sure the headset cable does not become entangled in your arms or on nearby objects.

Do not carry your device in your back pockets or around your waist

- You could be injured or damage the device if you fall.

Do not paint or put stickers on your device

- Paint and stickers can clog moving parts and prevent proper operation.
- If you are allergic to paint or metal parts of the device, you may experience itching, eczema, or swelling of the skin. When this happens, stop using the device and consult your physician.

Do not use the device if the screen is cracked or broken

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

Install mobile devices and equipment with caution

- Ensure that any mobile devices or related equipment installed in your vehicle are securely mounted.
- Avoid placing your device and accessories near or in an airbag deployment area. Improperly installed wireless equipment can cause serious injury when airbags inflate rapidly.

Do not drop your device or cause impacts to your device

- Your device may be damaged or may malfunction.
- If bent or deformed, your device may be damaged or parts may malfunction.

Ensure maximum battery and charger life

- Avoid charging your device for more than a week, as overcharging may shorten battery life.
- Over time, unused device will discharge and must be recharged before use.
- Disconnect the charger from power sources when not in use.
- Leaving batteries unused over time may reduce their lifespan and performance. It may also cause the batteries to malfunction or explode, or cause a fire.
- Follow all instructions in this manual to ensure the longest lifespan of your device and battery. Damages or poor performance caused by failure to follow warnings and instructions can void your manufacturer's warranty.
- Your device may wear out over time. Some parts and repairs are covered by the warranty within the validity period, but damages or deterioration caused by using unapproved accessories are not.

When using the device, mind the following

- Do not cover the antenna area with your hands or other objects. This may cause connectivity problems or drain the battery.

Do not disassemble, modify, or repair your device

- Any changes or modifications to your device can void your manufacturer's warranty. If your device needs servicing, take your device to a Samsung Service Centre.

When cleaning your device, mind the following

- Wipe your device or charger with a towel or an eraser.
- Do not use chemicals or detergents. Doing so may discolour or corrode the outside the device or may result in electric shock or fire.

Do not use the device for anything other than its intended use

- Your device may malfunction.

Avoid disturbing others when using the device in public

Allow only qualified personnel to service your device

- Allowing unqualified personnel to service your device may result in damage to your device and will void your manufacturer's warranty.

Handle memory cards and cables with care

- When inserting a card or connecting a cable to your device, make sure that the card is inserted or the cable is connected to the proper side.
- Do not remove a card while the device is transferring or accessing information, as this could result in loss of data and/or damage to the card or device.
- Protect cards from strong shocks, static electricity, and electrical noise from other devices.
- Do not touch gold-coloured contacts or terminals with your fingers or metal objects. If dirty, wipe the card with a soft cloth.
- Inserting a card or connecting a cable by force or improperly may result in damage to the multipurpose jack or other parts of the device.

Protect your personal data and prevent leakage or misuse of sensitive information

- While using your device, be sure to back up important data. Samsung is not responsible for the loss of any data.
- When disposing of your device, back up all data and then reset your device to prevent misuse of your personal information.
- Carefully read the permissions screen when downloading applications. Be particularly cautious with applications that have access to many functions or to a significant amount of your personal information.

- Check your accounts regularly for unapproved or suspicious use. If you find any sign of misuse of your personal information, contact your service provider to delete or change your account information.
- In the event your device is lost or stolen, change the passwords on your accounts to protect your personal information.
- Avoid using applications from unknown sources and lock your device with a pattern, password, or PIN.

Do not distribute copyright-protected material

- Do not distribute copyright-protected material without the permission of the content owners. Doing this may violate copyright laws. The manufacturer is not liable for any legal issues caused by the user's illegal use of copyrighted material.

Malware and viruses

To protect your device from malware and viruses, follow these usage tips. Failure to do so may result in damages or loss of data that may not be covered by the warranty service

- Do not download unknown applications.
- Do not visit untrusted websites.
- Delete suspicious messages or email from unknown senders.
- Set a password and change it regularly.
- Deactivate wireless features, such as Bluetooth, when not in use.
- If the device behaves abnormally, run an antivirus program to check for infection.
- Run an antivirus program on your device before you launch newly-downloaded applications and files.
- Install antivirus programs on your computer and run them regularly to check for infection.
- Do not edit registry settings or modify the device's operating system.

Correct disposal of this product

This product and its electronic accessories (e.g., charger, headset, USB cable) should not be disposed of with other household waste.

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

This device is compliant with RoHS.

Correct disposal of batteries in this product

The battery incorporated in this product is not user replaceable. For information on its replacement, please contact your service provider. Do not attempt to remove the battery or dispose it in a fire. Do not disassemble, crush, or puncture the battery. If you intend to discard the product, the waste collection site will take the appropriate measures for the recycling and treatment of the product, including the battery.

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Acknowledging Special Precautions and Industry Canada Notice

Cautions

Any changes or modifications to your device not expressly approved in this document could void your warranty for this equipment, and void your authority to operate this equipment. Only use approved batteries, antennas, and chargers. The use of any unauthorized accessories may be dangerous and void the phone warranty if they 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.

Information to User

This equipment has been tested and found to comply with the limits of a Class B digital device. 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, if 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/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.



Warning: At very high volumes, prolonged listening to a headset can damage your hearing.

Specific Absorption Rates (SAR) for Wireless Devices

The SAR is a value that corresponds to the relative amount of RF energy absorbed by the user of a wireless device.

The SAR value of a device is the result of an extensive testing, measuring and calculation process. It does not represent how much RF the device emits. All devices are tested at their highest value in strict laboratory settings. But when in operation, the SAR of a device can be substantially less than the level reported to Industry Canada. This is because of a variety of factors including its proximity to a base station antenna, design and other factors. What is important to remember is that each device meets strict federal guidelines. Variations in SARs do not represent a variation in safety.

All devices must meet the federal standard, which incorporates a substantial margin of safety. As stated above, variations in SAR values between different model devices do not mean variations in safety. SAR values at or below the federal standard of 1.6 W/kg are considered safe for use by the public.

This device has been tested and meets RF exposure guidelines when used with an accessory that contains no metal and that positions the mobile device 0mm from the body.

Owner's Record

The model number, regulatory number, and serial number are located on a nameplate inside the battery compartment. Record the serial number in the space provided below. This will be helpful if you need to contact us about your phone in the future.

Model: SM-T820

Serial No.:

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IC Notice

This Class B digital apparatus complies with Canadian ICES-003.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.