

**SAMSUNG**

# User Manual

Some contents are not in accordance with the equipment. For more information, please set the default language into Simplified Chinese, and refer to the User Manual.

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# Basics

## Read me first

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

- Descriptions are based on the device's default settings.
- 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.
- Performance problems caused by 3rd party apps are not covered by the warranty.
- Software, sound sources, wallpapers, images, and other media provided with this device are licensed for limited use. Extracting and using these materials for commercial or other purposes is an infringement of copyright laws. Users are entirely responsible for illegal use of media.
- You may incur additional charges for data services, such as messaging, uploading and downloading, auto-syncing, or using location services depending on your data plan. For large data transfers, it is recommended to use the Wi-Fi feature.
- If you have questions about an app provided with the device, contact a Samsung Service Centre. For user-installed apps, contact service providers.
- Depending on the region or model, some devices are required to receive approval from the Federal Communications Commission (FCC). If your device is approved by the FCC, you can view the FCC ID of the device. To view the FCC ID, launch the **Settings** app and tap **About phone** → **Status**.
- **Do not modify the device's operating system or install an operating system from an unofficial source to avoid device malfunctions, data corruption or loss, or incompatibility. Violations of the above regulation will void your warranty.**

## Instructional icons



**Warning:** situations that could cause injury to yourself or others



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



**Notice:** notes, usage tips, or additional information

## Device overheating situations and solutions

### When the device heats up while charging the battery

While charging, the device and the charger may become hot. During advanced 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.



The advanced charging feature is only available on supported models.

## When the device heats up during use

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

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

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

- When the device's multipurpose jack is damaged or exposed to foreign materials, such as liquid, dust, metal powder, and pencil lead
- When you are roaming

### **Do the following when the device heats up:**

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

## **Device limitations when the device overheats**

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

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

## Precautions for operating environment

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

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

## Device layout and functions

### Package contents

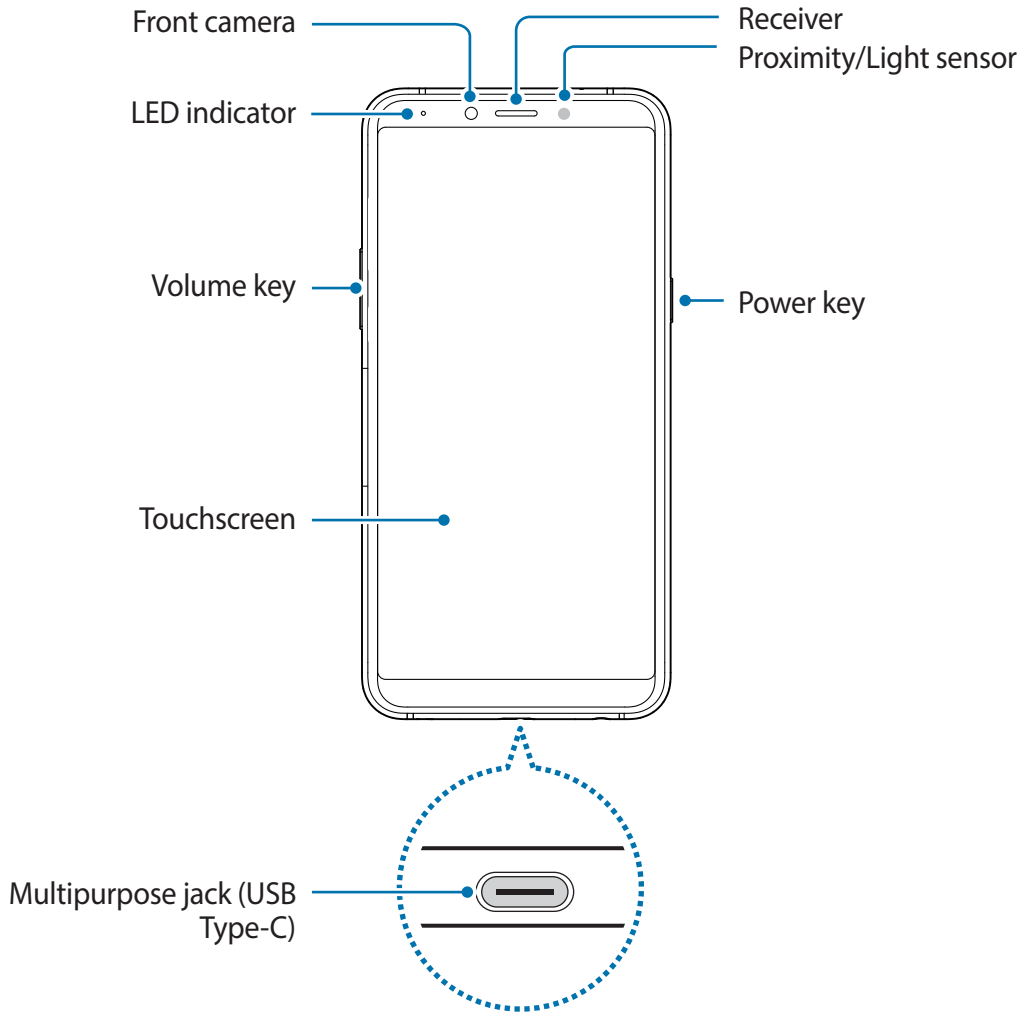
Refer to the quick start guide for package contents.

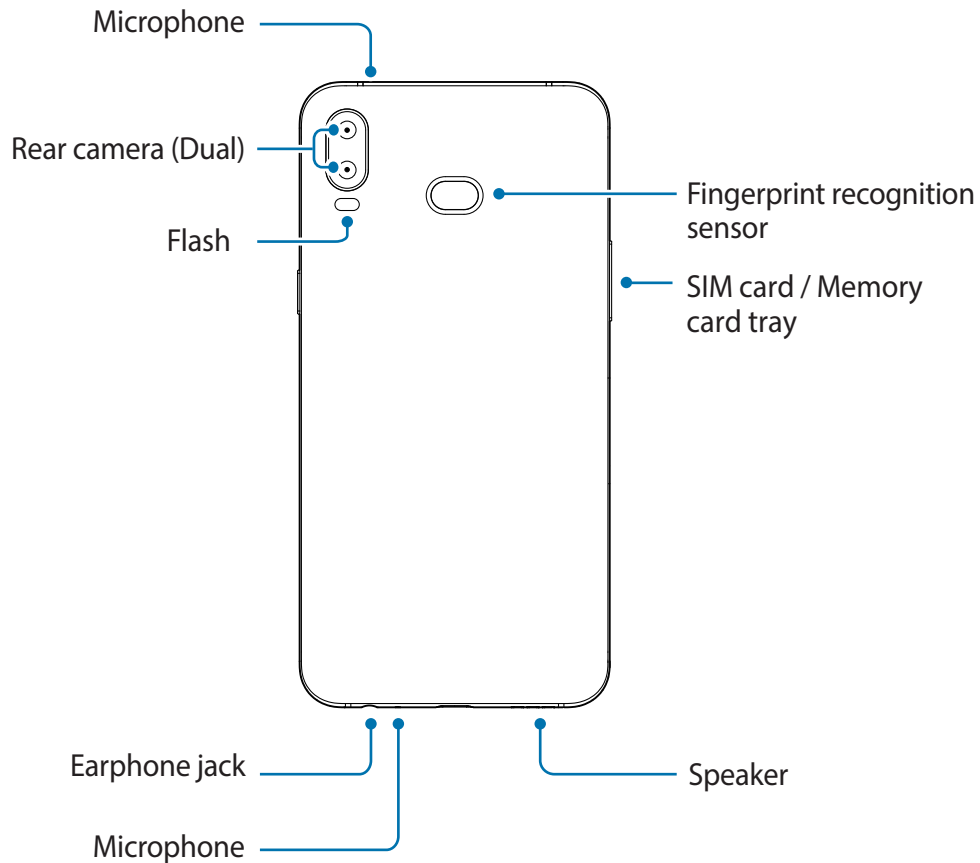


- The items supplied with the device and any available accessories may vary depending on the region or service provider.
- The supplied items are designed only for this device and may not be compatible with other devices.
- You can purchase additional accessories from your local Samsung retailer. Make 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.



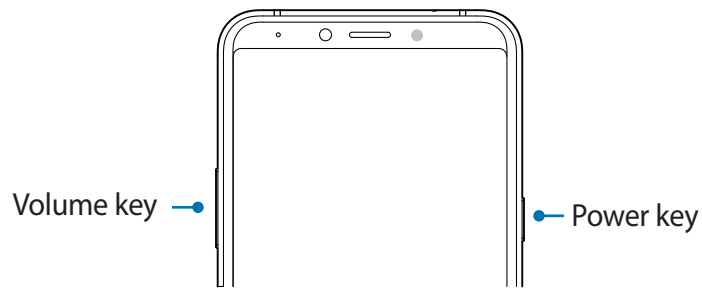
## Device layout





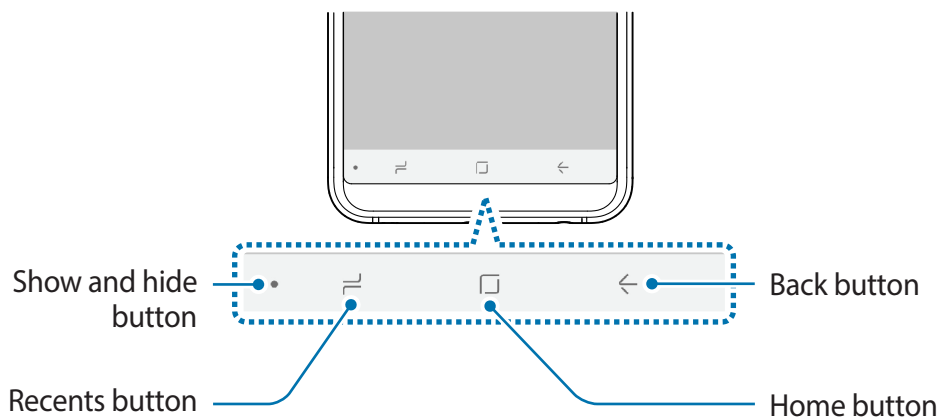
- Connectivity problems and battery drain may occur in the following situations:
  - If you attach metallic stickers on the antenna area of the device
  - If you attach a device cover made with metallic material to the device
  - If you cover the device's antenna area with your hands or other objects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

## Hard keys



Key	Function
Power	<ul style="list-style-type: none"> <li>• Press and hold to turn the device on or off.</li> <li>• Press to turn on or lock the screen.</li> </ul>
Volume	<ul style="list-style-type: none"> <li>• Press to adjust the device volume.</li> </ul>

## Touch buttons



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

# 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.

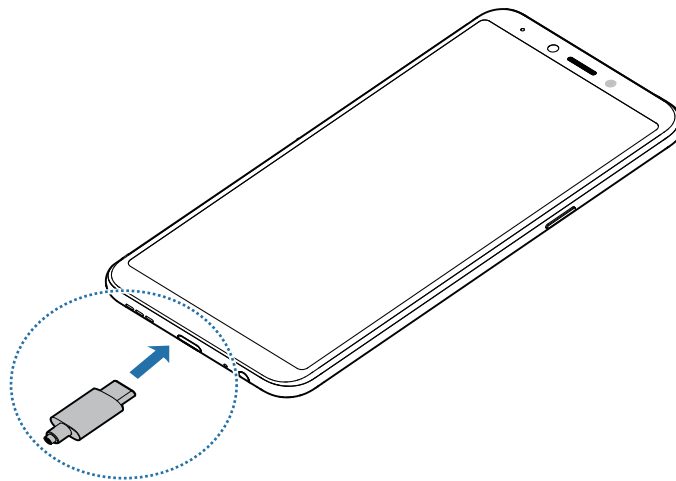


Connecting the charger improperly may cause serious damage to the device. Any damage caused by misuse is not covered by the warranty.



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.

- 1 Connect the USB cable to the USB power adaptor.
- 2 Plug the USB cable into the device's multipurpose jack.



- 3 Plug the USB power adaptor into an electric socket.
- 4 After fully charging, disconnect the charger from the device. Then, unplug the charger from the electric socket.

## Reducing the battery consumption

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

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



## Battery charging tips and precautions

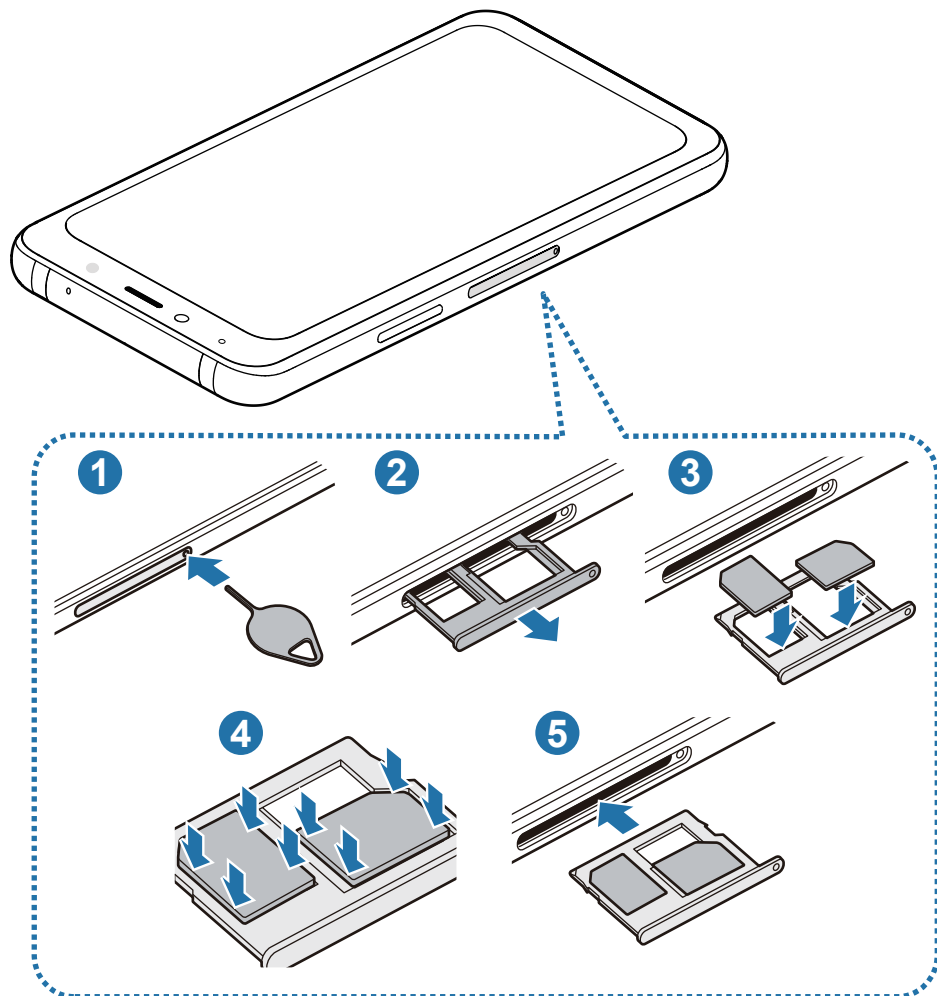
- When the battery power is low, the battery icon appears empty.
- If the battery is completely discharged, the device cannot be turned on immediately when the charger is connected. Allow a depleted battery to charge for a few minutes before turning on the device.
- If you use multiple apps at once,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

# Nano-SIM card


## Installing the nano-SIM card

Insert the nano-SIM card provided by the mobile telephone service provider. You can insert two nano-SIM cards so you can have two phone numbers or service providers for a single device. In some areas, data transfer speeds may be slower if two SIM cards are inserted in the device than when one SIM card is inserted.

-  Use caution not to lose or let others use the nano-SIM card. Samsung is not responsible for any damages or inconveniences caused by lost or stolen cards.
-  Some LTE services may not be available depending on the service provider. For more information about service availability, contact your service provider.



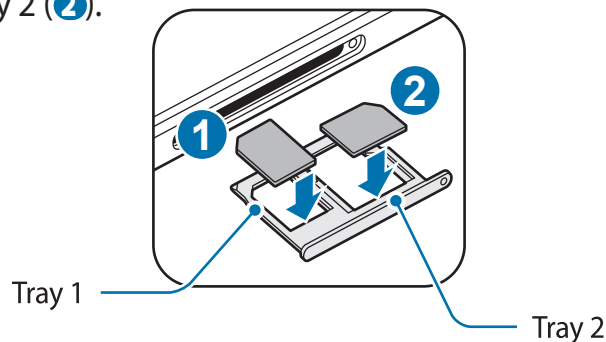
1 Insert the ejection pin into the hole on the tray to loosen the tray.

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

2 Pull out the tray gently from the tray slot.


3 Place the nano-SIM card on the tray with the gold-coloured contacts facing

downwards. Place the primary nano-SIM card on the tray 1 (1) and the secondary nano-SIM card on the tray 2 (2).




 The phone cannot support two CDMA cards at the same time in China.

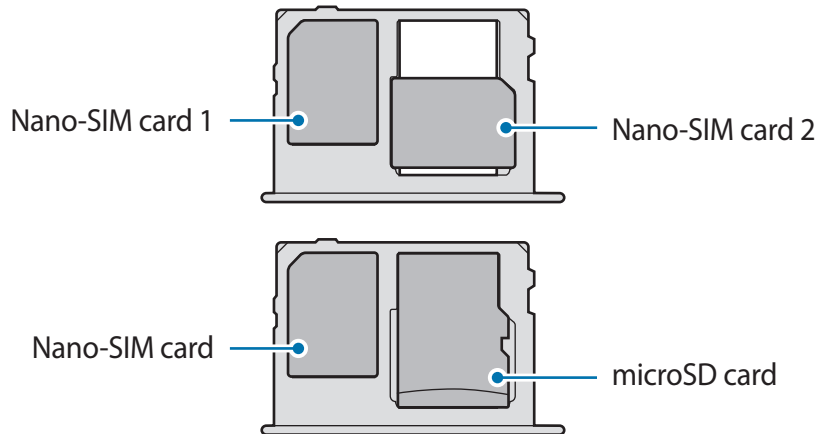
4 Gently press the nano-SIM card into the tray to secure it.

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

5 Insert the tray back into the tray slot.

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

## Correct card installation



- Use only a nano-SIM card.
- You cannot insert a nano-SIM card and a microSD card in tray 2 at the same time.

## Removing the nano-SIM card

- 1 Insert the ejection pin into the hole on the tray to loosen the tray.
- 2 Pull out the tray gently from the tray slot.
- 3 Remove the nano-SIM card.
- 4 Insert the tray back into the tray slot.



## Using dual nano-SIM cards

If you insert two nano-SIM cards, you can have two phone numbers or service providers for a single device.

### Activating nano-SIM cards

Launch the **Settings** app and tap **Connections** → **SIM card manager**. Select a nano-SIM card and tap the switch to activate it.



If both cards are activated, you can receive calls and messages on each card. However, if you are on a call using one card, the other card cannot be used to receive new calls. These situations apply to voice and video calls.

### Customising nano-SIM cards

Launch the **Settings** app, tap **Connections** → **SIM card manager**, and then select a nano-SIM card to access the following options:

- **Icon:** Change the icon of the nano-SIM card.
- **Name:** Change the display name of the nano-SIM card.
- **Network mode:** Select a network type to use with the nano-SIM card.

### Setting preferred nano-SIM cards

When two cards are activated, you can assign voice calls, messaging, and data services to specific cards.

Launch the **Settings** app, tap **Connections** → **SIM card manager**, and then set the feature preferences for your cards in **PREFERRED SIM FOR**.

## Memory card (microSD card)

### Installing a memory card

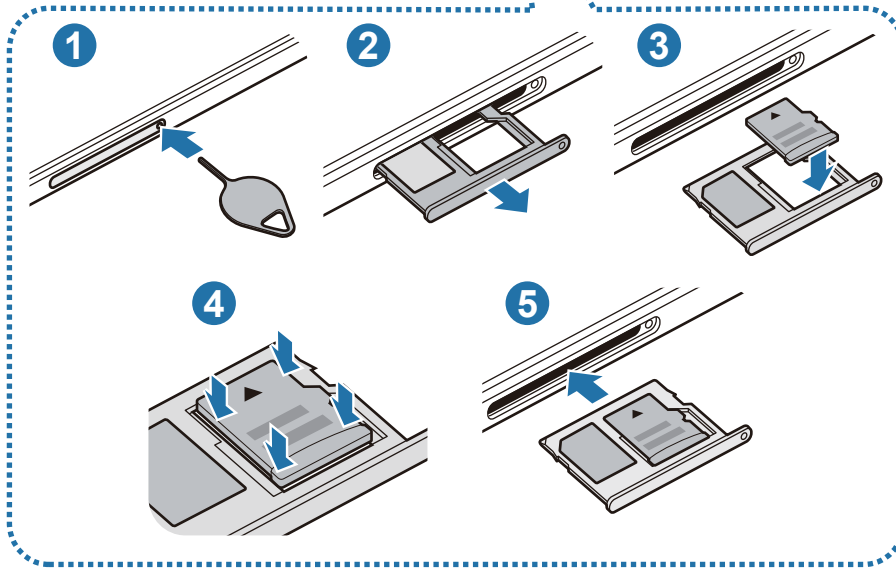
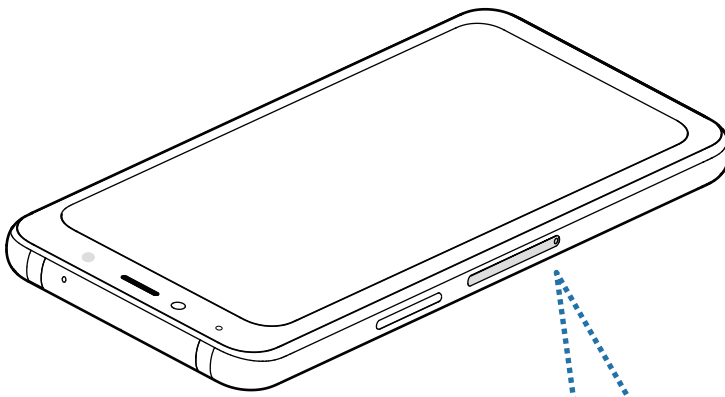
Your device's memory card capacity may vary from other models and some memory cards may not be compatible with your device depending on the memory card manufacturer and type. To view your device's maximum memory card capacity, refer to the Samsung website.



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



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



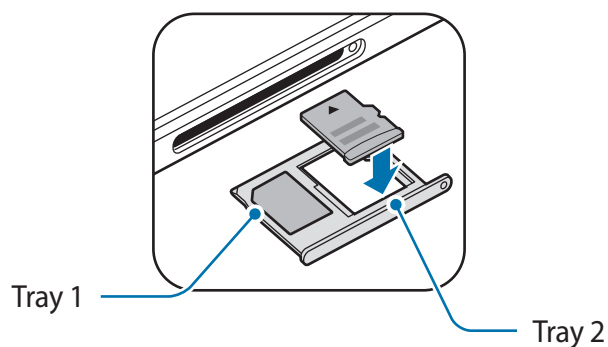
1 Insert the ejection pin into the hole on the tray to loosen the tray.

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

2 Pull out the tray gently from the tray slot.

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

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



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

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

5 Insert the tray back into the tray slot.

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

## Removing the memory card

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

Launch the **Settings** app and tap **General management** → **Storage** →  → **Storage settings** →  → **SD card** → **Unmount**.

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



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

## Formatting the memory card

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

Launch the **Settings** app and tap **General management** → **Storage** →  → **Storage settings** →  → **SD card** → **Format**.



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

## Turning the device on and off

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

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

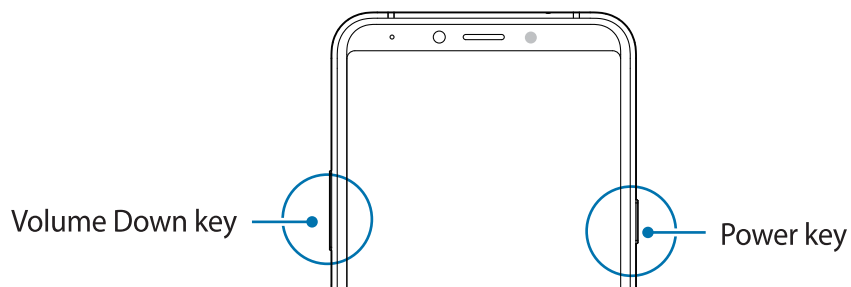
To turn off the device, press and hold the Power key, and then tap **Power off**.



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

## Restarting the device

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




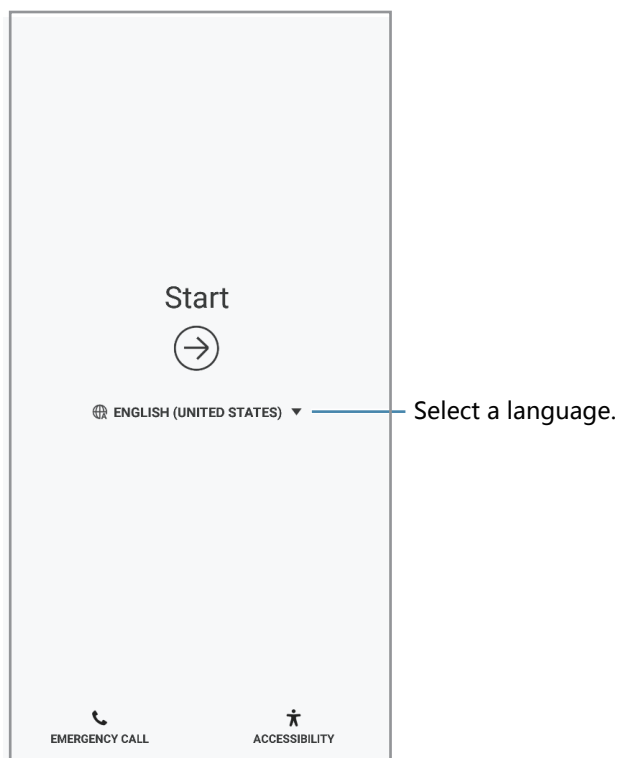
## Initial setup

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



The initial setup procedures may vary depending on the device's software and the service provider.

- 1 Turn on the device.
- 2 Select your preferred device language and select .



- 3 Select a Wi-Fi network and connect to it.
- 4 Read and agree to the terms and conditions, and tap **AGREE**.

- 5 Follow the on-screen instructions to proceed the initial setup.
- 6 Set a screen lock method to protect your device. You can protect your personal information by preventing others from accessing your device. To set the screen lock method later, tap **No, thank you**.
- 7 Select features you want to use and complete the initial setup.  
The Home screen will appear.




# Samsung account

## Introduction

Your Samsung account is an integrated account service that allows you to use a variety of Samsung services provided by mobile devices, TVs, and the Samsung website. Once your Samsung account has been registered, you can keep your data up to date and secure across your Samsung devices, track and control your lost or stolen device, see tips and tricks, and more.

Create your Samsung account with your email address.

To check the list of services that can be used with your Samsung account, visit [account.samsung.com](https://account.samsung.com). For more information on Samsung accounts, launch the **Settings** app and tap **Accounts** → **Samsung account** →  → **Help**.

## Registering your Samsung account

### Registering a new Samsung account

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

- 1 Launch the **Settings** app and tap **Accounts** → **Add account**.
- 2 Tap **Samsung account** → **CREATE ACCOUNT**.
- 3 Follow the on-screen instructions to complete creating your account.

### Registering an existing Samsung account

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

- 1 Launch the **Settings** app and tap **Accounts** → **Add account**.
- 2 Tap **Samsung account** → **SIGN IN**.
- 3 Enter your Samsung account ID and password and tap **SIGN IN**.

If you forget your account information, tap **Find ID** or **Reset password**. You can find your account information when you enter the required information.

4 Read and agree to the terms and conditions and tap **AGREE**.

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

## Removing your Samsung account

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

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

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

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

## Transferring data from your previous device

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



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

## Smart Switch

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

### Transferring data wirelessly via Wi-Fi Direct

Transfer data from your previous device to your device wirelessly via Wi-Fi Direct.



- 1 On the previous device, launch Smart Switch.  
If you do not have the app, download it from **Galaxy Apps**.
- 2 On your device, launch the **Settings** app and tap **Accounts** → **Smart Switch**.
- 3 Place the devices near each other.
- 4 On the previous device, tap **WIRELESS** → **SEND** → **CONNECT**.
- 5 On your device, tap **WIRELESS** → **RECEIVE** and select the previous device type.
- 6 Follow the on-screen instructions to transfer data from your previous device.

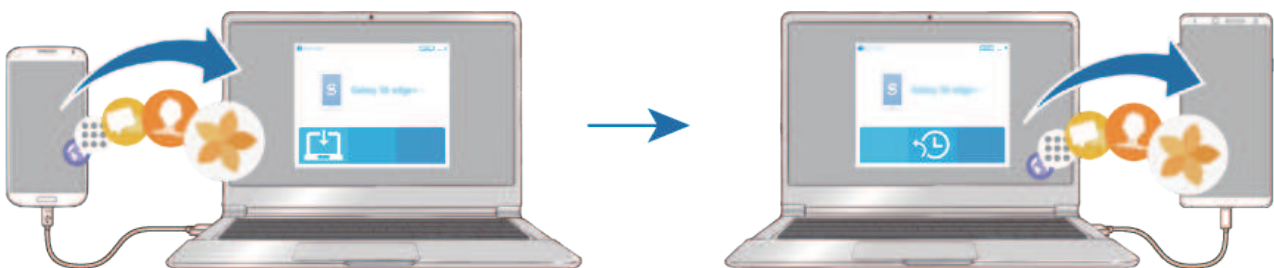
## Transferring data using external storage


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

- 1 Transfer data from your previous device to external storage.
- 2 Insert or connect the external storage device to your device.
- 3 On your device, launch the **Settings** app and tap **Accounts** → **Smart Switch** → **EXTERNAL STORAGE** → **RESTORE**.
- 4 Follow the on-screen instructions to transfer data from external storage.

## Transferring backup data from a computer

Transfer data between your device and a computer. You must download the Smart Switch computer version app from [www.samsung.com/cn/smartswitch](http://www.samsung.com/cn/smartswitch). Back up data from your previous device to a computer and import the data to your device.



- 1 On the computer, visit [www.samsung.com/cn/smartswitch](http://www.samsung.com/cn/smartswitch) to download Smart Switch.
- 2 On the computer, launch Smart Switch.
-  If your previous device is not a Samsung device, back up data to a computer using a program provided by the device's manufacturer. Then, skip to the fifth step.
- 3 Connect your previous device to the computer using the device's USB cable.
- 4 On the computer, follow the on-screen instructions to back up data from the device. Then, disconnect your previous device from the computer.
- 5 Connect your device to the computer using the USB cable.
- 6 On the computer, follow the on-screen instructions to transfer data to your device.

## Viewing imported data

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

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

## Backing up data

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

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



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

## Restoring data

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

2 Select your previous device under **Backup and restore** and tap **Restore data**.

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

## Syncing data

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

1 On your new device, launch the **Settings** app and tap **Accounts** → **Samsung**

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

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

## Checking data

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

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

# Understanding the screen

## Controlling the touchscreen



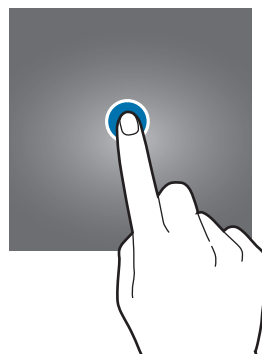
- Do not allow the touchscreen to come into contact with other electrical devices. Electrostatic discharges can cause the touchscreen to malfunction.
- To avoid damaging the touchscreen, do not tap it with anything sharp or apply excessive pressure to it with your fingertips.
- Leaving the touchscreen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



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

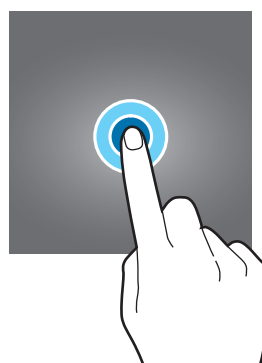
### Tapping

Tap the screen.



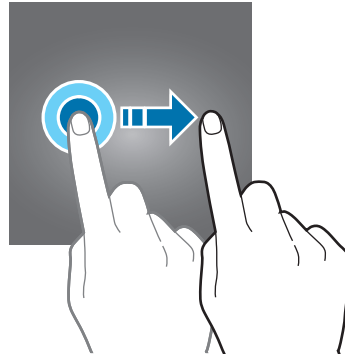
### Tapping and holding

Tap and hold the screen for approximately 2 seconds.



## Dragging

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



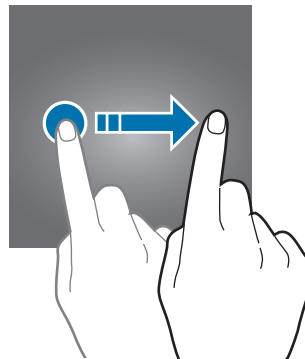
## Double-tapping

Double-tap the screen.



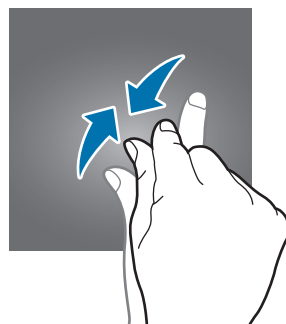
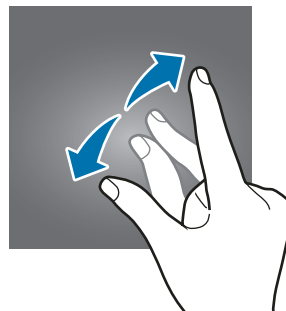
## Swiping

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



## Spreading and pinching

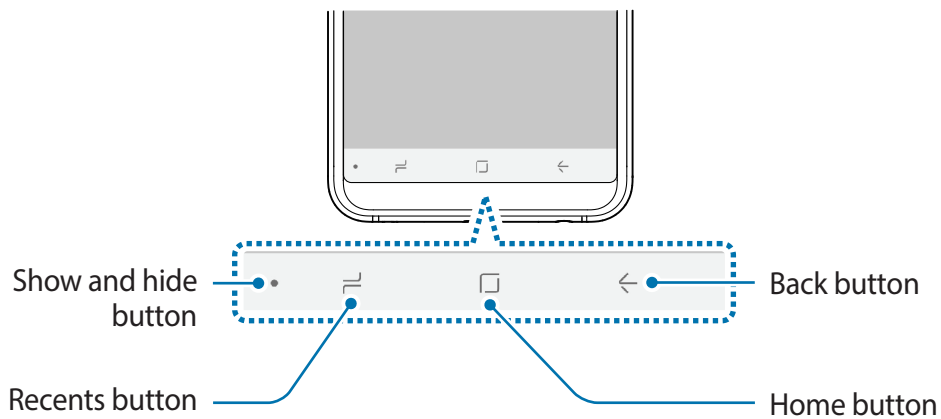
Spread two fingers apart or pinch on the screen.





## Navigation bar (touch buttons)

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



Button	Function
● Show and hide	<ul style="list-style-type: none"> <li>• Double-tap to pin or hide the navigation bar.</li> </ul>
⌵ Recents	<ul style="list-style-type: none"> <li>• Tap to open the list of recent apps.</li> </ul>
□ Home	<ul style="list-style-type: none"> <li>• Tap to return to the Home screen.</li> <li>• Tap and hold to launch a preset app.</li> </ul>
← Back	<ul style="list-style-type: none"> <li>• Tap to return to the previous screen.</li> </ul>

### Displaying or hiding the navigation bar

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

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

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



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

## Setting the navigation bar

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

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

## Home screen

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

To view other panels, swipe to the left or right.



## Moving items

Tap and hold an item, and then drag it to a new location. To move the item to another panel, drag it to the side of the screen.

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

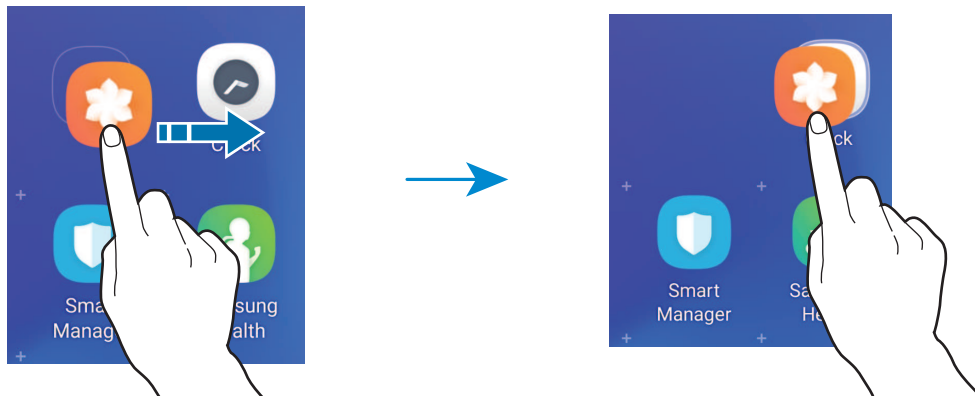
## Creating folders

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

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

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

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



- **Moving apps from a folder**

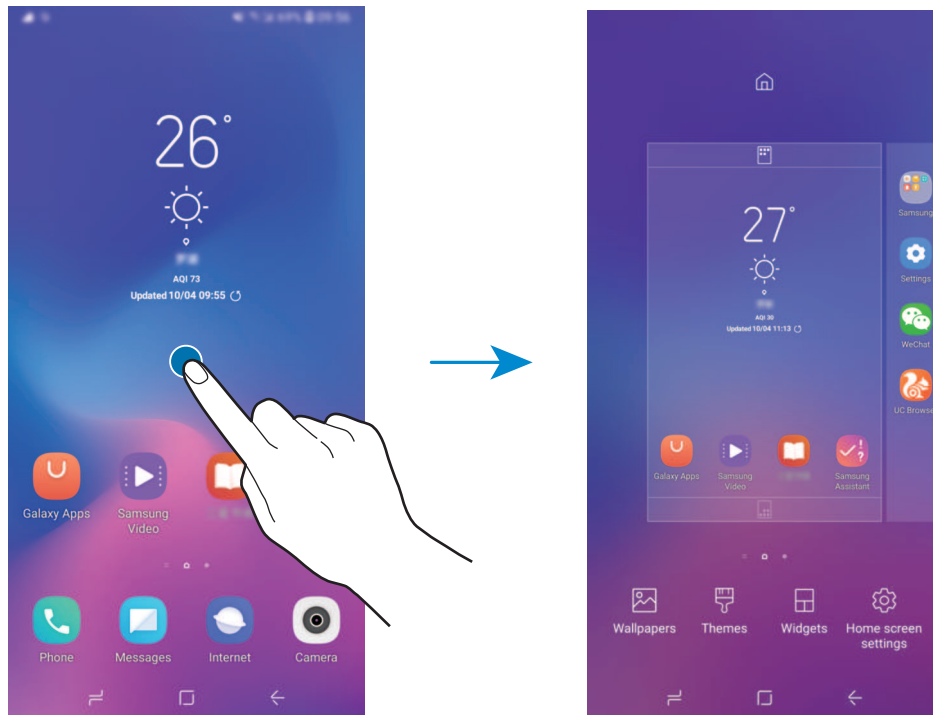
Tap and hold an app to drag it to a new location.

- **Deleting a folder**

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

## Editing the Home screen

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



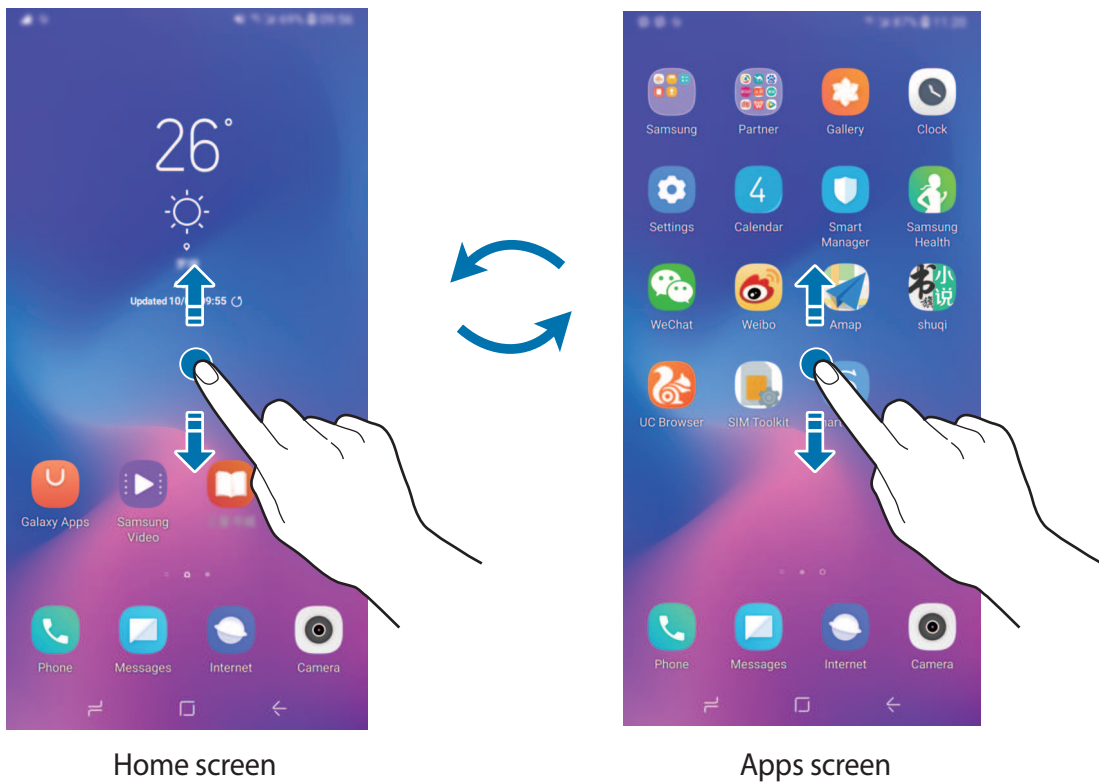
- **Wallpapers:** Change the wallpaper settings for the Home screen and the locked screen.
- **Themes:** Change the device's theme. Visual elements of interface, such as colours, icons, and wallpapers, will change depending on the selected theme.
- **Widgets:** Widgets are small apps that launch specific app functions to provide information and convenient access on your Home screen. Tap and hold a widget, and then drag it to the Home screen. The widget will be added on the Home screen.
- **Home screen settings:** Change the size of the grid to display more or fewer items on the Home screen and more.

## Using the separate Apps screen

You can set to use separate Apps screen. The Apps screen will display icons for all apps, including newly installed apps. The Home screen will display shortcuts to apps and widgets.

To open the Apps screen, swipe upwards or downwards on the Home screen.

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



## Indicator icons

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



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

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

## Lock screen

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

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

If the screen is off, press the Power key to turn on the screen.



Locked screen

## Changing the screen lock method

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

When you set a pattern, PIN, password, face, 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.
- **Face:** Register your face to unlock the screen. Refer to [Face recognition](#) for more information.
- **Fingerprints:** Register your fingerprints to unlock the screen. Refer to [Fingerprint recognition](#) for more information.

## Screen capture

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

### Capturing a screenshot

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

- **Key capture:** Press and hold the Volume Down key and the Power key simultaneously.
- **Quick setting button capture:** Open the notification panel, swipe downwards on the notification panel, and then tap **Capture screen**.
- **Swipe capture:** Swipe your hand to the left or right across the screen.



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

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



- **Scroll capture:** Capture the current content and the hidden content on an elongated page, such as a webpage. When you tap **Scroll capture**, the screen will automatically scroll down and more content will be captured.
- **Draw:** Write or draw on the screenshot.
- **Crop:** Crop a portion from the screenshot. The cropped area will be saved in **Gallery**.
- **Share:** Share the screenshot with others.

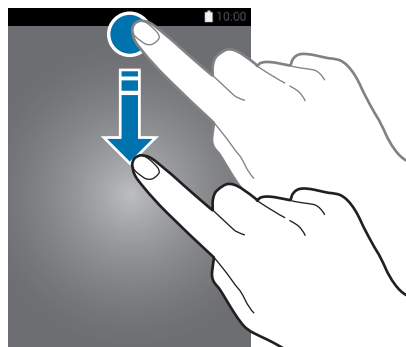


If the options are not visible on the captured screen, launch the **Settings** app, tap **Advanced features**, and then tap the **Smart capture** switch to activate it.

## Notification panel

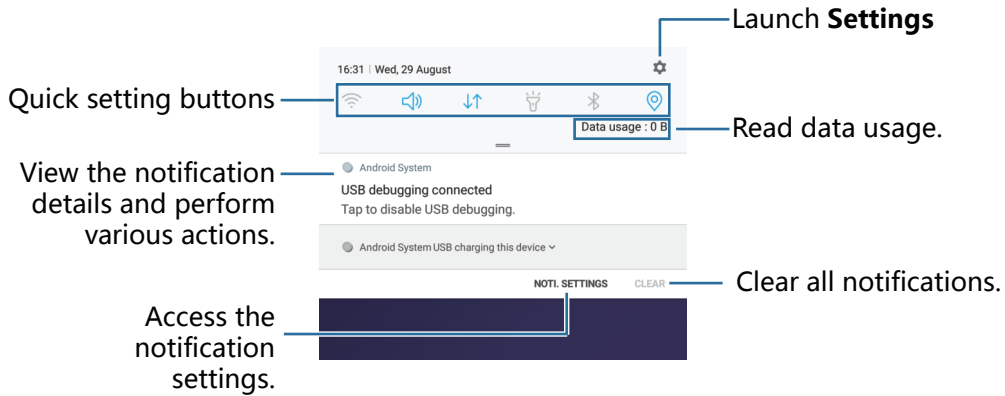
When you receive new notifications, such as messages or missed calls, indicator icons appear on the status bar. To see more information about the icons, open the notification panel and view the details.

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



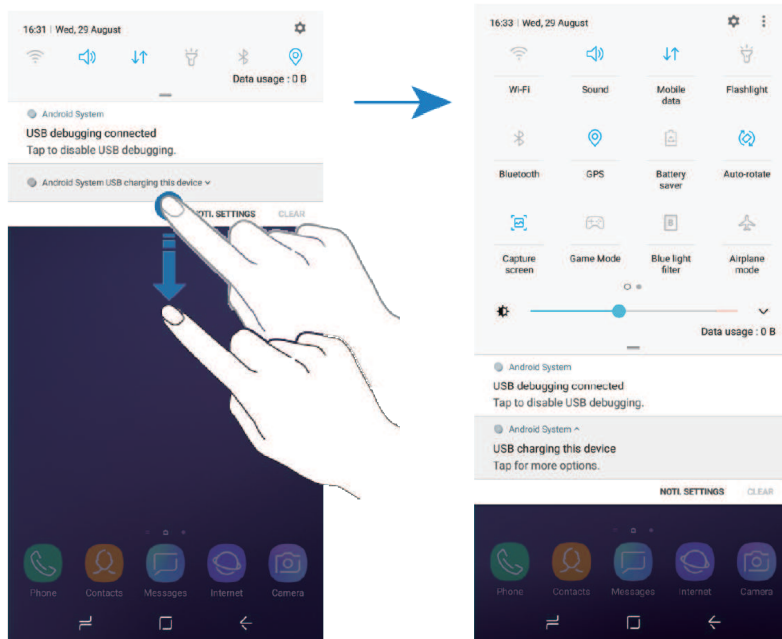
You can open the notification panel, even on the locked screen.

You can use the following functions on the notification panel.



## Using quick setting buttons

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



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

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

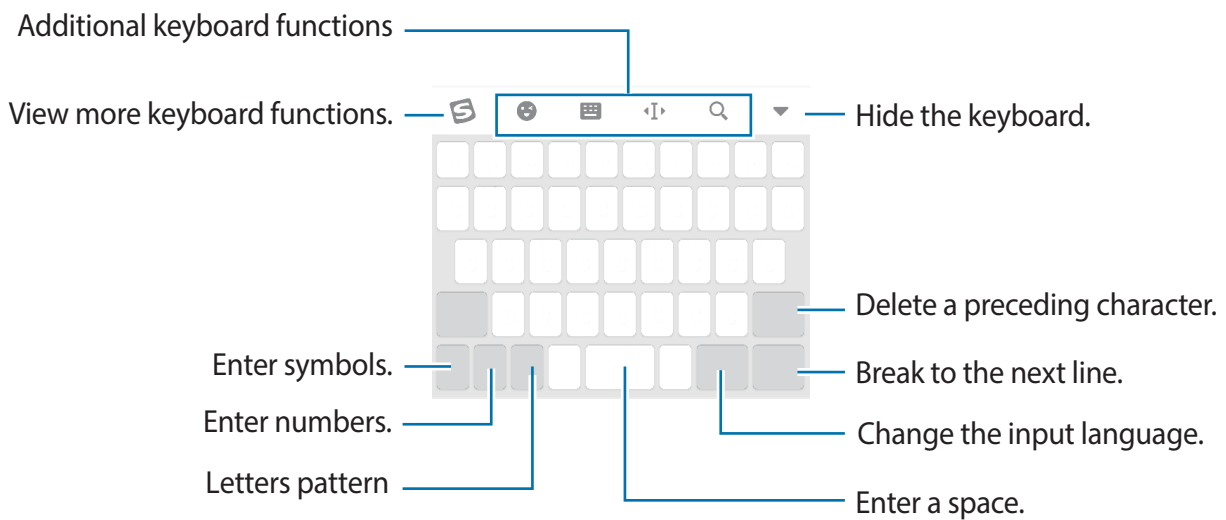
# Entering text

## Keyboard layout





A keyboard appears automatically when you enter text to send messages, create notes, and more. The default input method is Sougou input.





- When the keyboard is opened for the first time, the keyboard setup screen will appear. Set the input language, keyboard type, and keyboard settings and then tap **START**.
- Text entry is not supported in some languages. To enter text, you must change the input language to one of the supported languages.



## Additional keyboard functions

-  : Type to find sticker , emoji and so on, and add it into the message.
-  : Type to find Y.QWERTY, SHUANGPING, STROKE or other input methods.
-  : Open the text editing panel.
-  : Type to search the related information about the wording part you edited.

## 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.

# Apps and features

## Installing or uninstalling apps

### Galaxy Apps

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

Launch the **Galaxy Apps** app.



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

### Installing apps

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

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



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

### Managing apps

#### Uninstalling apps


Tap and hold an app and select an option.

- **Uninstall:** Uninstall downloaded apps.

## 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 **ALWAYS ALLOW** on the pop-up window to grant permissions to the app.

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

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






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

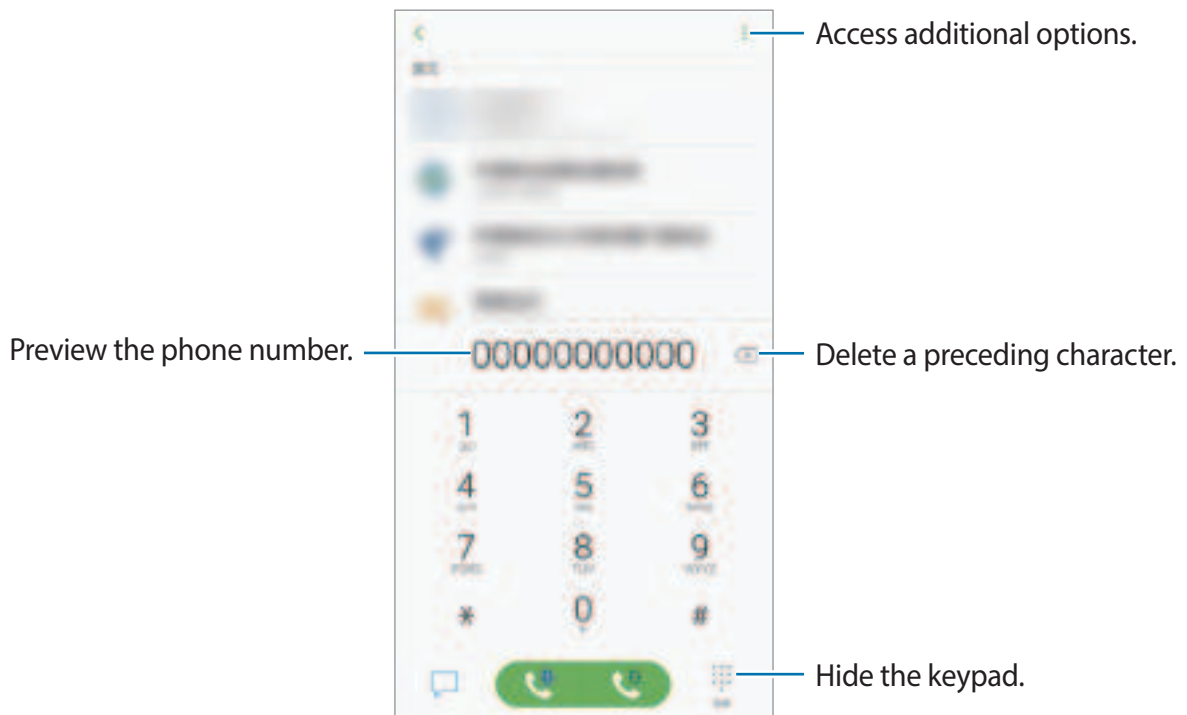
# Phone

## Introduction

Make or answer voice calls.

## Making calls

- 1 Launch the **Phone** app and enter a phone number.  
If the keypad does not appear on the screen, tap  to open the keypad.
- 2 Tap  or  to make a voice call.






## Making calls from call logs or contacts list

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

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

## Using speed dial

Set speed dial numbers to quickly make calls.

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




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

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

## Making calls from the locked screen


On the locked screen, drag  outside the circle.

## Making an international call

- 1 Tap  to open the keypad if the keypad does not appear on the screen.
- 2 Tap and hold **0** until the + sign appears.
- 3 Enter the country code, area code, and phone number, and then tap  or .

## Receiving calls



### Answering a call

When a call comes in, drag  to the center.


### Rejecting a call

When a call comes in, drag  to the center.

To send a message when rejecting an incoming call, drag the **SEND MESSAGE** bar upwards. You can send a text message or a sticker to reject a call. If **Add reminder** is selected, a reminder will be saved to alert you of the rejected call one hour later.



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

### Missed calls

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

## Blocking phone numbers

Block calls from specific numbers added to your block list.

- 1 Launch the **Phone** app and tap  → **Settings** → **Call blocking** → **Black list** → **BLACK LIST**.
- 2 Tap  → **Add manually** or **Add from Contacts/Phone log**.
- 3 Enter a phone number or tick contacts, and then tap **DONE**.

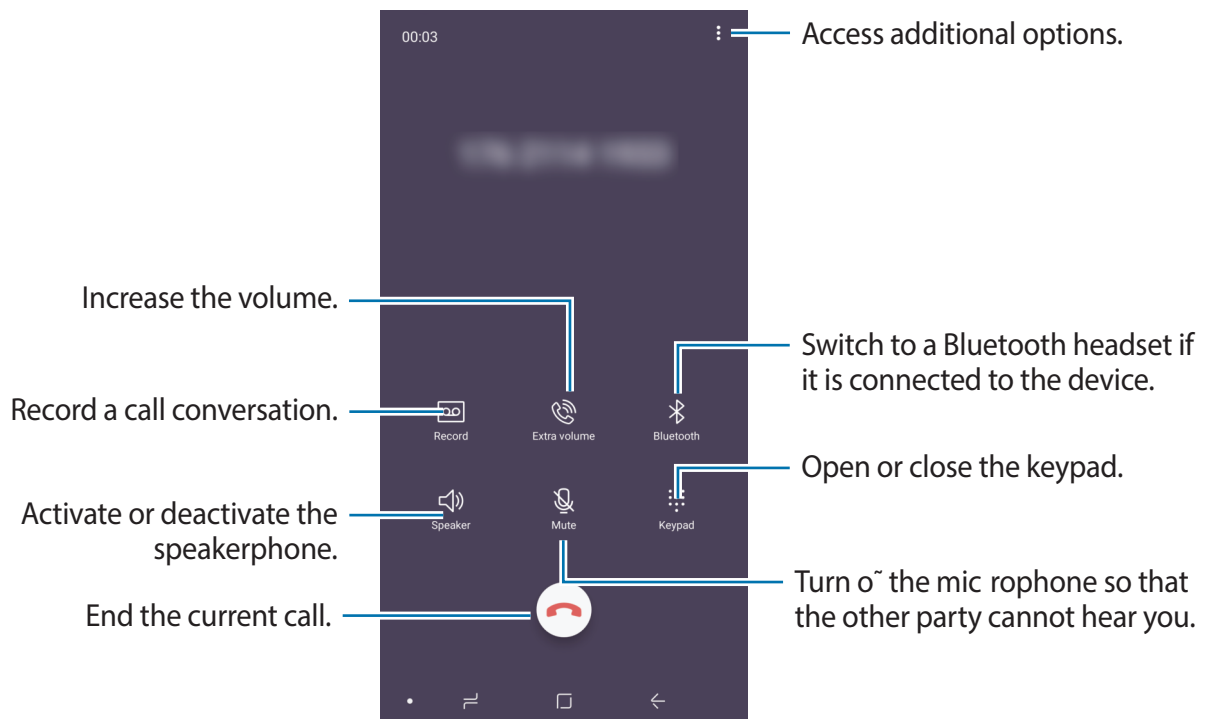


You can also block incoming calls from people that do not show their caller ID. Tap **SETTINGS** and tap the **Block anonymous calls** switch to activate the feature.

## Options during calls

### During a voice call


The following actions are available:



- When using the speakerphone, keep the device away from your ears.
- When you record a call conversation, the file will be saved to **My Files** → **Internal storage** → **Call**.
- If the area around the rear camera and the fingerprint recognition sensor is covered, unwanted noises may incur during a call. Remove accessories, such as a screen protector or stickers, around the rear camera area.

## Adding a phone number to Contact

### Adding a phone number to Contacts from the keypad

- 1 Launch the **Phone** app.
- 2 Enter the number.  
If the keypad does not appear on the screen, tap  to open the keypad.
- 3 Tap **CREATE CONTACT** to create a new contact, or tap **UPDATE EXISTING** to add the number to an existing contact.

### Adding a phone number to Contacts from the calls list

- 1 Launch the **Phone** app and tap **RECENTS**.
- 2 Tap a caller's image, or tap a phone number → **Details**.
- 3 Tap **Create contact** to create a new contact, or tap **Update existing** to add the number to an existing contact.

## Adding a tag to a phone number

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

- 1 Launch the **Phone** app and tap **RECENTS**.
- 2 Tap a phone number → **Details**.
- 3 Tap **Add tag**, enter a tag, and then tap **DONE**.  
When a call comes from that number, the tag will show under the number.


# Contacts

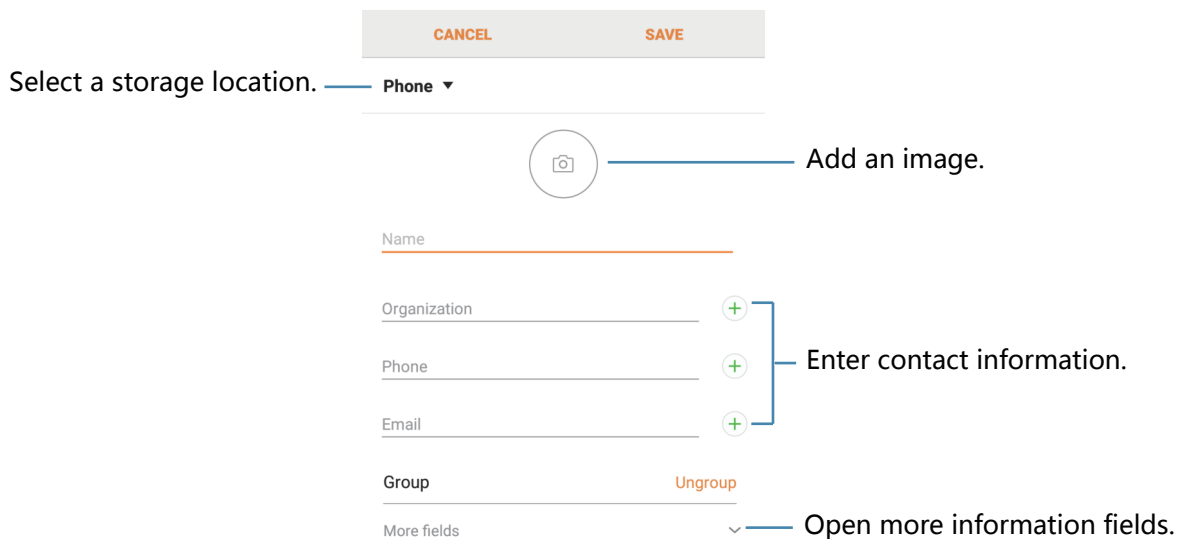
## Introduction


Create new contacts or manage contacts on the device.

## Adding contacts

### Creating a new contact

- 1 Launch the **Contacts** app, tap , and then select a storage location.
- 2 Enter contact information.




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

- 3 Tap **SAVE**.

## Importing contacts

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

- 1 Launch the **Contacts** app and tap  → **Manage contacts** → **Import/Export contacts** → **IMPORT**.
- 2 Select a storage location to import contacts from.
- 3 Tick VCF files or contacts to import and tap **DONE**.
- 4 Select a storage location to save contacts to and tap **IMPORT**.

## Syncing contacts with your web accounts

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

- 1 Launch the **Settings** app, tap **Accounts** and select the account to sync with.
- 2 Tap **Sync account** and tap the **Sync Contacts** switch to activate it.

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




## Searching for contacts

Launch the **Contacts** app.

Use one of the following search methods:


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

Tap the contact's image, or tap the contact's name → **Details**. Then take one of the following actions:

-  : Make a voice call.
-  : Make an IP call.
-  : Compose a message.

## Sharing contacts

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

- 1 Launch the **Contacts** app and tap  → **Share**.
- 2 Select contacts and tap **SHARE**.
- 3 Select a sharing method.

## Creating groups

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


- 1 Launch the **Contacts** app and tap **Groups** → **CREATE**.
- 2 Enter a group name.  
  
To set a group ringtone, tap **Group ringtone** and select a ringtone.
- 3 Tap **Add member**, select contacts to add to the group, and then tap **DONE**.
- 4 Tap **SAVE**.


## Sending a group message

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

Launch the **Contacts** app, tap **Groups**, select a group, and then tap  → **Send message**.

## Deleting contacts

- 1 Launch the **Contacts** app and tap  → **Delete**.
- 2 Select contacts and tap **DELETE**.

To delete contacts one by one, open the contacts list and tap a contact's image or tap a contact's name → **Details**. Then tap  → **Delete**.

# Messages

## Introduction

Send and view messages by conversation.

## Sending messages





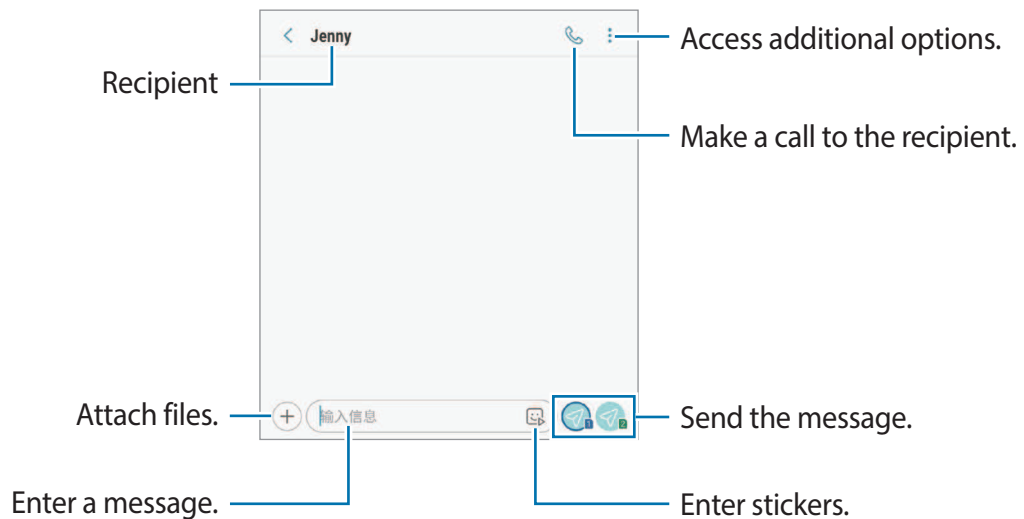
You may incur additional charges for sending messages when you are roaming.

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

2 Add recipients and tap **START**.

3 Enter a message.

To record and send a voice message, tap and hold  or , say your message, and then release your finger. The recording icon appears only while the keyboard is hidden.



4 Tap  or  to send the message.





## Viewing messages

Messages are grouped into message threads by contact.





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

- 1 Launch the **Messages** app and tap **CONVERSATIONS** or **ANNOUNCEMENTS**.
- 2 On the messages list, select a contact.
- 3 View your conversation.  
To reply to the message, tap **Enter message**, enter a message, and then tap  or .


## Blocking unwanted messages

Block messages from specific numbers added to your block list.

- 1 Launch the **Messages** app and tap  → **Settings** → **Block numbers and messages** → **Blocked messages** → **BLACK LIST**.
- 2 Tap  → **Add manually** or **Add from Contacts/Phone log**.
- 3 Enter a phone number or tick contacts, and then tap **DONE**.

## Setting the message notification

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

- 1 Launch the **Messages** app, tap  → **Settings** → **Notifications**, and then tap the switch to activate it.
- 2 Change the notification settings.

# Internet

## Introduction

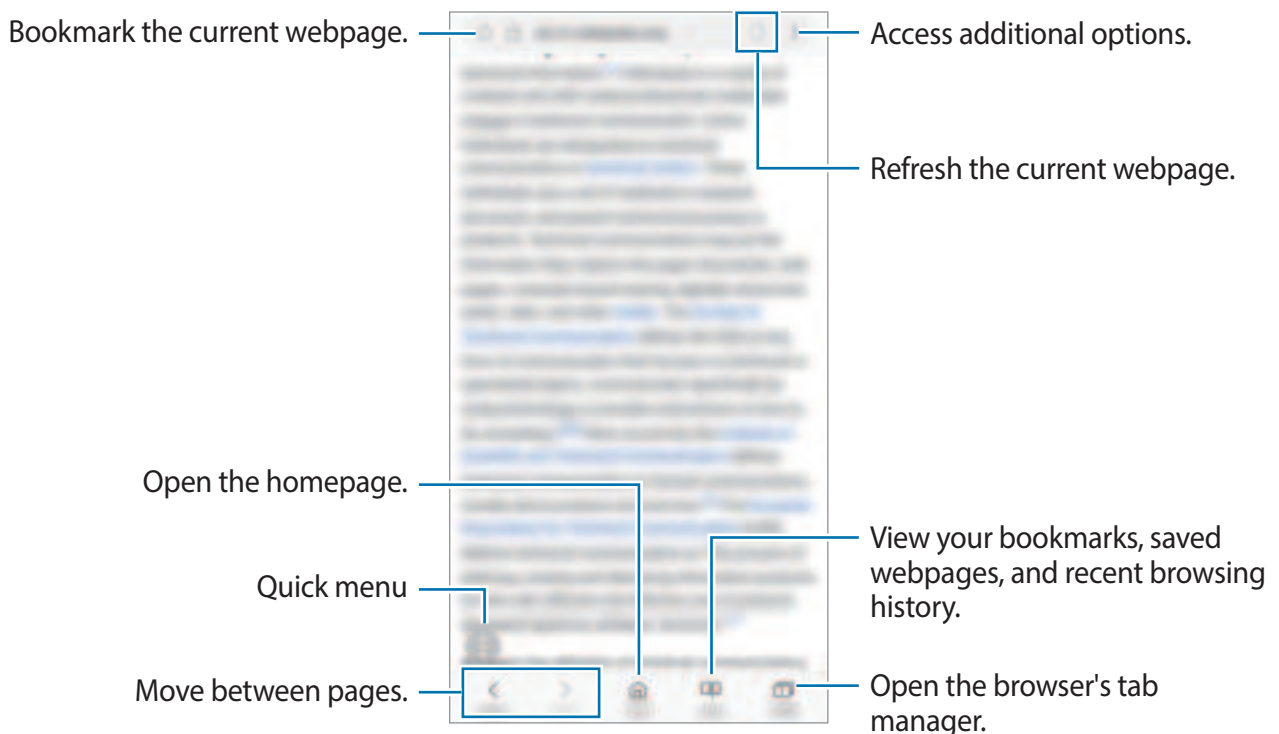
Browse the Internet to search for information and bookmark your favourite webpages to access them conveniently.

## Browsing webpages

- 1 Launch the **Internet** app.
- 2 Tap the address field.
- 3 Enter the web address or a keyword, and then tap **Go**.

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

To switch between tabs quickly, swipe to the left or right on the address field.



## Using secret mode

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

### Activating secret mode

In the toolbar at the bottom of the screen, tap **Tabs** → **TURN ON SECRET MODE**. If you are using this feature for the first time, set whether to use a password or your biometric data 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

In the toolbar at the bottom of the screen, tap **Tabs** → **TURN OFF SECRET MODE**.

# 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

Use the following methods to launch Camera:



- Launch the **Camera** app.
- Press the Power key twice quickly.
- On the locked screen, drag  outside the circle.

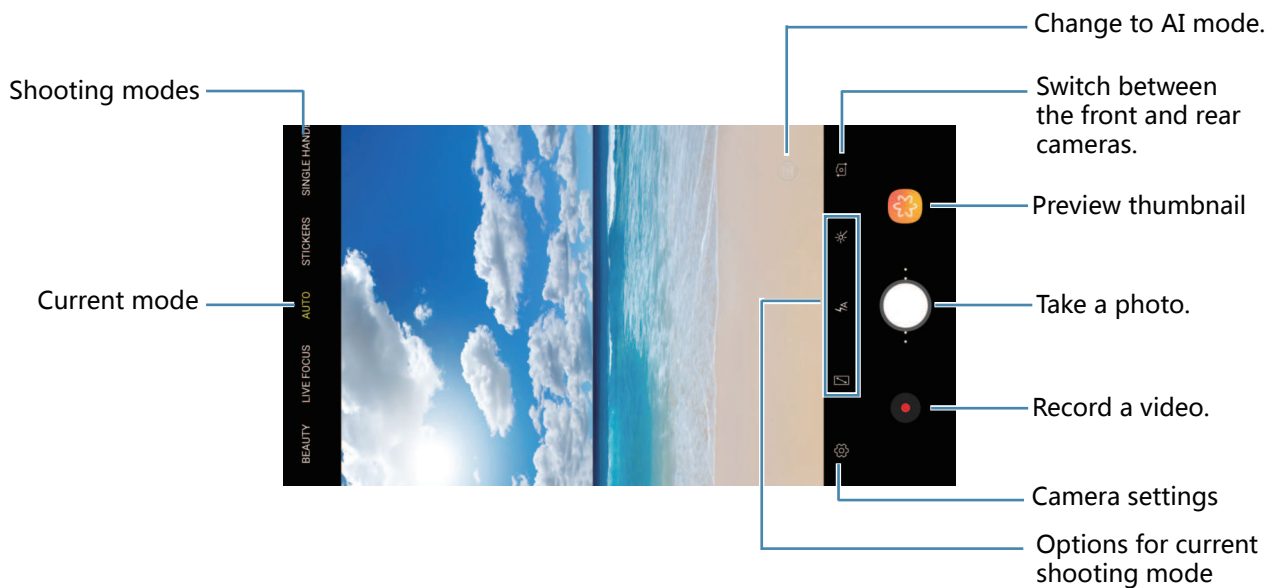





- Some camera features are not available when you launch the **Camera** app from the locked screen or when the screen is turned off while the screen lock method is set.
- If photos you take appear blurry, clean the camera lens and try again.

## Basic shooting

### Taking photos or recording videos

- 1 Tap the image on the preview screen where the camera should focus.
- 2 Tap  to take a photo or tap  to record a video.



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

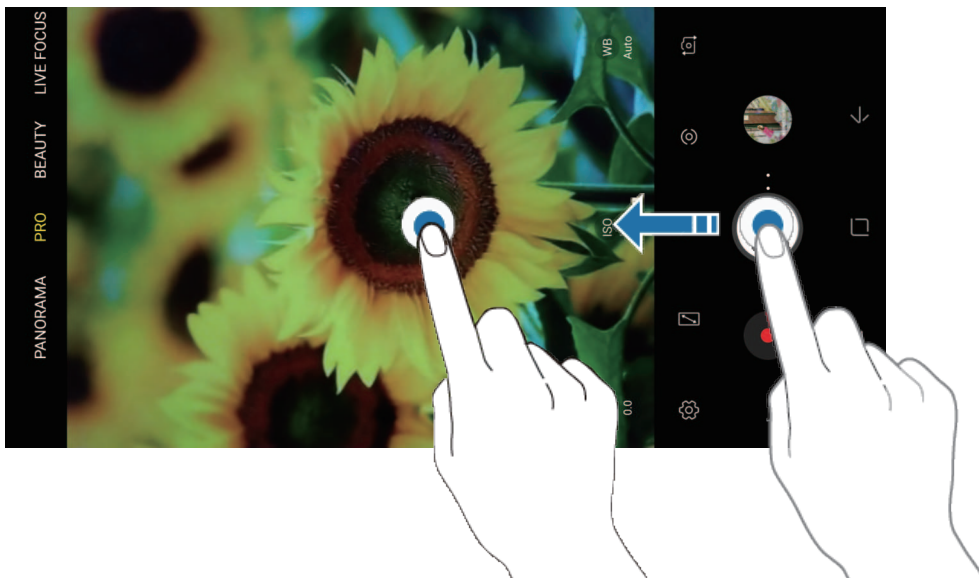



- The preview screen may vary depending on the shooting mode and which camera is being used.
- The camera automatically shuts off when unused.
- Make sure that the lens is not damaged or contaminated. Otherwise, the device may not work properly in some modes that require high resolutions.
- Your device's camera features a wide-angle lens. Minor distortion may occur in wide-angle photos or videos and does not indicate device performance problems.
- The maximum recording time may reduce when you record video at high resolution.

## Adding another camera button

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


Drag  to the preview screen.



If another camera button is not added, tap  on the preview screen and tap the **Floating Camera button** switch to activate it.

## Setting the camera button action

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

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


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



This feature is available only in some shooting modes.

## Zooming in and out

Use various methods to zoom in or out.

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



- Zooming features are available only when using the rear camera.
- If you use the video zoom feature for a long time while recording a video, the video quality may diminish to prevent your device from overheating.

## Using the focus and exposure features

### Locking the focus (AF) and exposure (AE)

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

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



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

## LIVE FOCUS


The dual camera allows you to take shallow focus photos where the background is blurred and the subject stands out clearly.

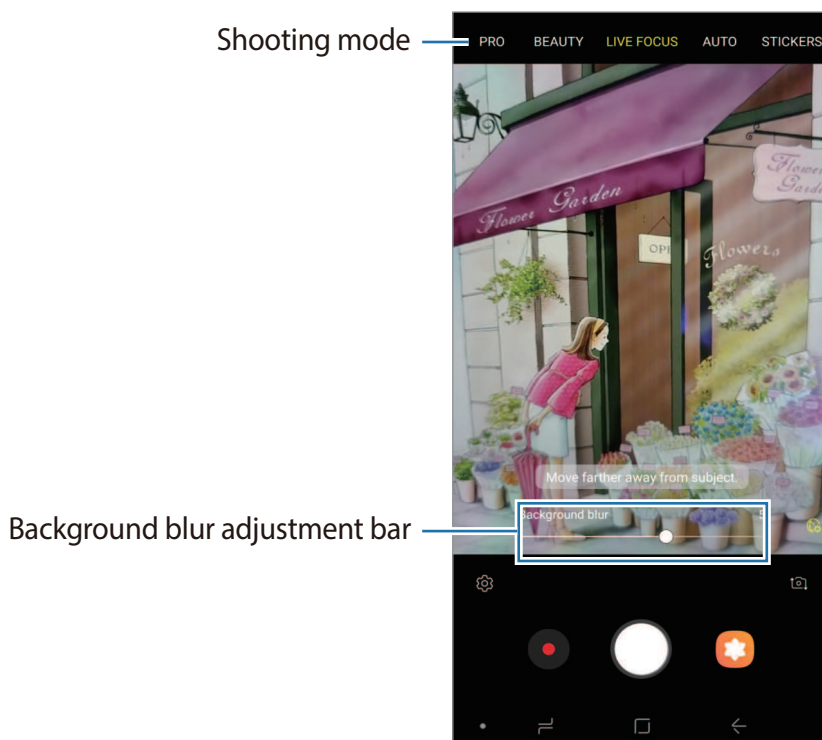
### Taking portraits that stand out using the Live focus feature

Adjust the background blur level on the preview screen and take a photo that highlights the subject.



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

- 1 On the shooting modes list, tap **LIVE FOCUS**.
- 2 Drag the background blur adjustment bar to the left or right to adjust the blur level.
- 3 Tap  to take a photo.





## Editing the background of the Live Focus photos

You can also edit the background blur level of a photo taken with the Live focus feature. When the background lighting appears in blurred points, you can change the shape of the background blur. Select a shape, such as a heart, star, or flower, to decorate the photo and make it look different.

### Adjusting the background blur level

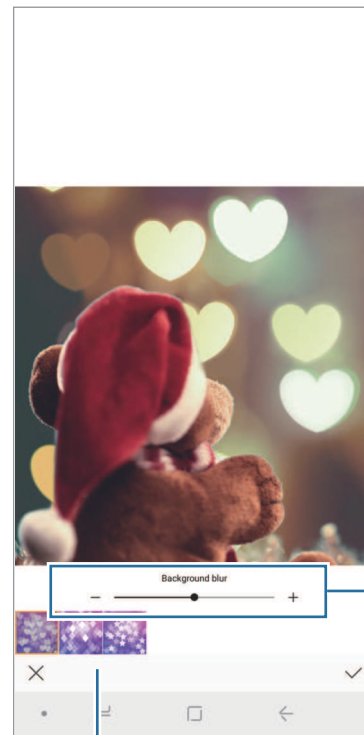


### Changing the shape of the background blur



- 1 Select a photo taken with the Live focus feature and tap **ADJUST BACKGROUND BLUR**.
- 2 To adjust the background blur level, drag the background blur adjustment bar to the left or right.

To change the background blur shape, drag the effect list to the left or right and select an effect you want. The effect list will appear only when the photo has blur shape in the background.



Adjust the background blur level.

Change the background blur shape.



- 3 Tap ✓ to save the photo.

## Live stickers

Capture photos and videos with various live stickers.

- 1 On the shooting modes list, tap **STICKERS**.
- 2 Tap **印** and select a sticker.




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

## Using shooting modes

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

Select a shooting mode you want.



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



### Auto mode

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


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



### Pro mode

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

On the shooting modes list, tap **PRO**. Select options and customise the settings, and then tap  to take a photo or tap  to record a video.

### Available options

-  : 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.

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



## Panorama mode

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







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

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

- 1 On the shooting modes list, tap **PANORAMA**.
- 2 Tap  and move the device slowly in one direction.
- 3 Tap  to stop taking photos.

## Hyperlapse mode


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

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

## Beauty mode


Take a photo with lightened faces for gentler images.

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

To apply beauty effect, tap  and select options. Refer to [Applying beauty effects](#) for more information.

## Selfie mode

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

- 1 On the preview screen, swipe upwards or downwards, or tap  to switch to the front camera for self-portraits.
- 2 On the shooting modes list, tap **SELFIE**.

3 Face the front camera lens.

4 Tap  to take a photo.

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

### Applying beauty effects



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

1 On the preview screen, tap .

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

## Wide selfie mode

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

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



## Customising camera settings

### Options for current shooting mode

On the preview screen, use the following options.



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

- : Turn on and off the full preview screen.
- : Select a frame rate.
- : Activate or deactivate the flash.
- : Select a filter effect to use when taking photos or recording videos.
- : Select a metering method. This determines how light values are calculated. **Center-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.

### Camera settings

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

#### REAR CAMERA

- **Picture size:** Select a resolution for photos. Using a higher resolution will result in higher quality photos, but they will take up more storage.
- **Video size:** Select a resolution for videos. Using a higher resolution will result in higher quality videos, but they will take up more storage.
- **Timer:** Select the length of the delay before the camera automatically takes a photo.
- **HDR (rich tone):** Take photos with rich colours and reproduce details even in bright and dark areas.

## 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 storage.
- **Video size:** Select a resolution for videos. Using a higher resolution will result in higher quality videos, but they will take up more storage.
- **Timer:** Select the length of the delay before the camera automatically takes a photo.
- **HDR (rich tone):** Take photos with rich colours and reproduce details even in bright and dark areas.
- **Save pictures as previewed:** Invert the image to create a mirror-image of the original scene, when taking photos with the front camera.

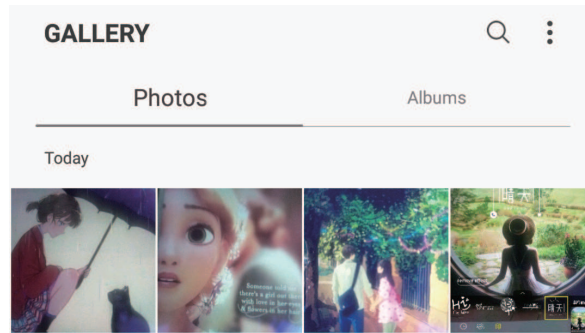
## COMMON

- **Edit camera modes:** View available shooting modes or edit the shooting modes list.
- **Video stabilization:** Activate anti-shake to reduce or eliminate blurry image resulting from camera shake while recording a video.
- **Grid lines:** Display viewfinder guides to help composition when selecting subjects.
- **Review pictures:** Set the device to show photos after capturing them.
- **Quick launch:** Set the device to launch the camera by pressing the Power key twice quickly.
- **Storage location:** Select the memory location for storage. This feature will appear when you insert a memory card.
- **Floating Camera button:** Add a camera button that you can place anywhere on the screen.
- **Hold Camera button to:** Select an action to perform when you tap and hold the camera button.
- **Press Volume key to:** Set the device to use the Volume key to control the shutter or zoom in or out.
- **Shutter sound:** Enable or disable the shutter sound.
- **Reset settings:** Reset the camera settings.

# Gallery

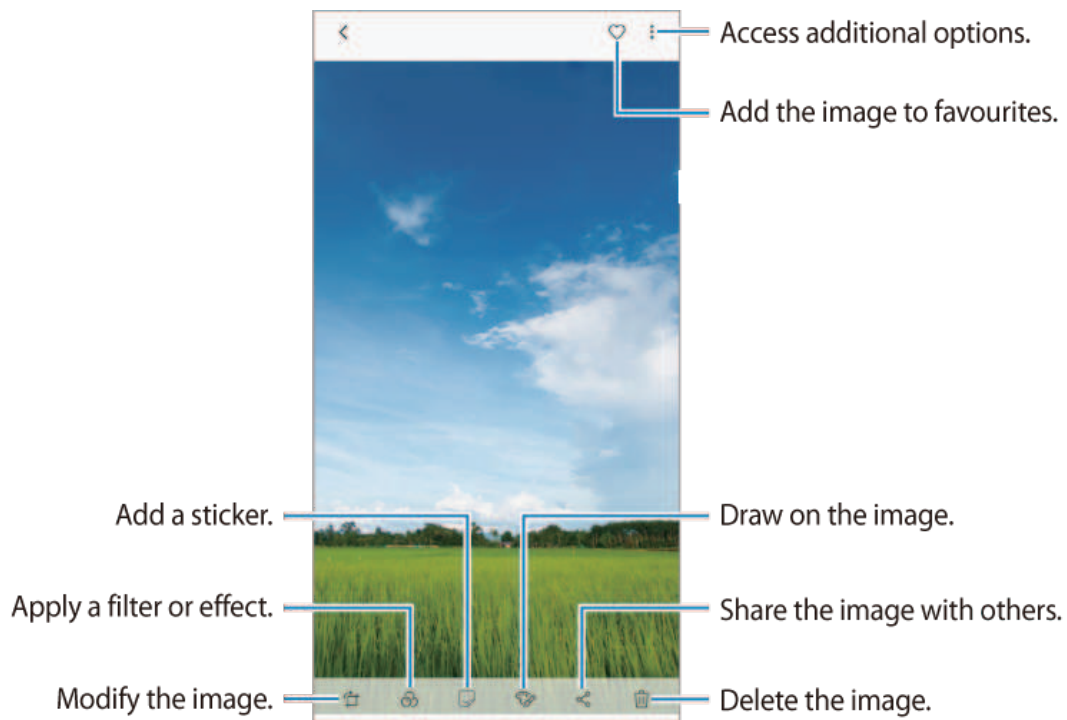
## Introduction


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




## Viewing images

- 1 Launch the **Gallery** app and tap **PICTURES**.
- 2 Select an image.



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

## Searching for images

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



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

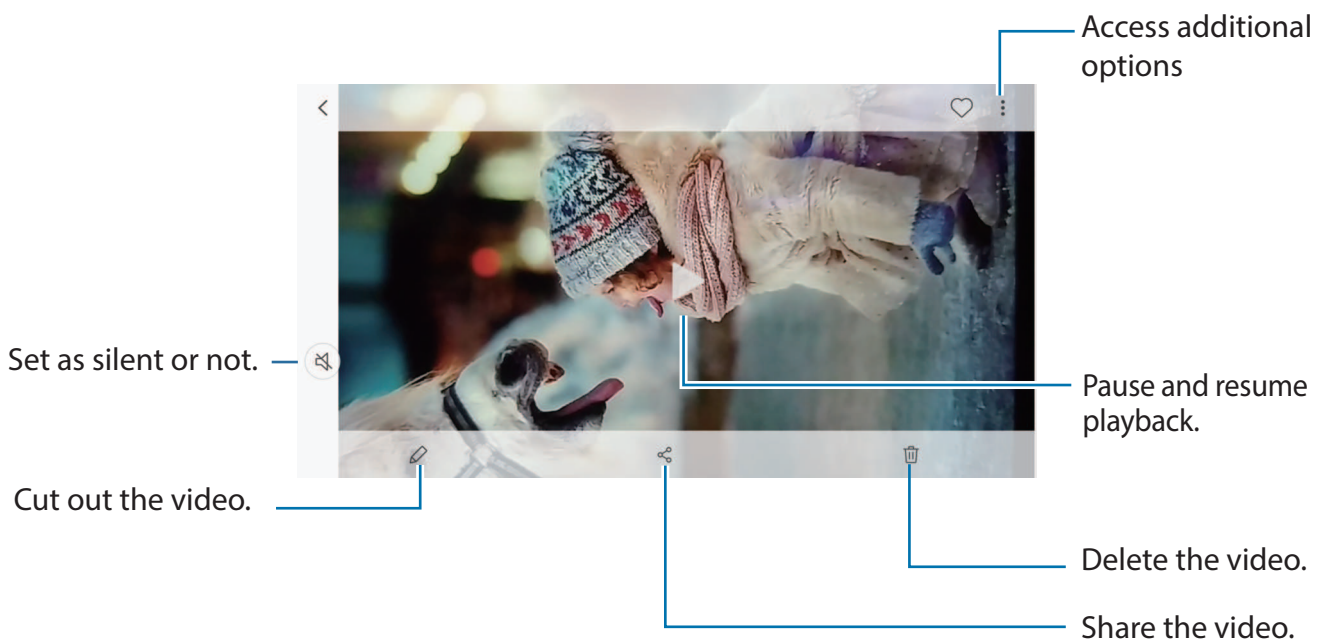
## Editing the background of Live focus photos

You can edit the background blur level of a photo taken with the Live Focus feature. If the background lighting of Live focus photos appears in blurred points, you can change the shape of the background blur.

Launch the **Gallery** app, select a photo taken with the Live focus feature, tap **ADJUST BACKGROUND BLUR** to edit the blur level or change the shape of the background blur.

## Viewing videos

- 1 Launch the **Gallery** app and tap **PICTURES**.
- 2 Select a video to play. Video files show the  icon on the preview thumbnail.
- 3 Tap  to play the video.



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

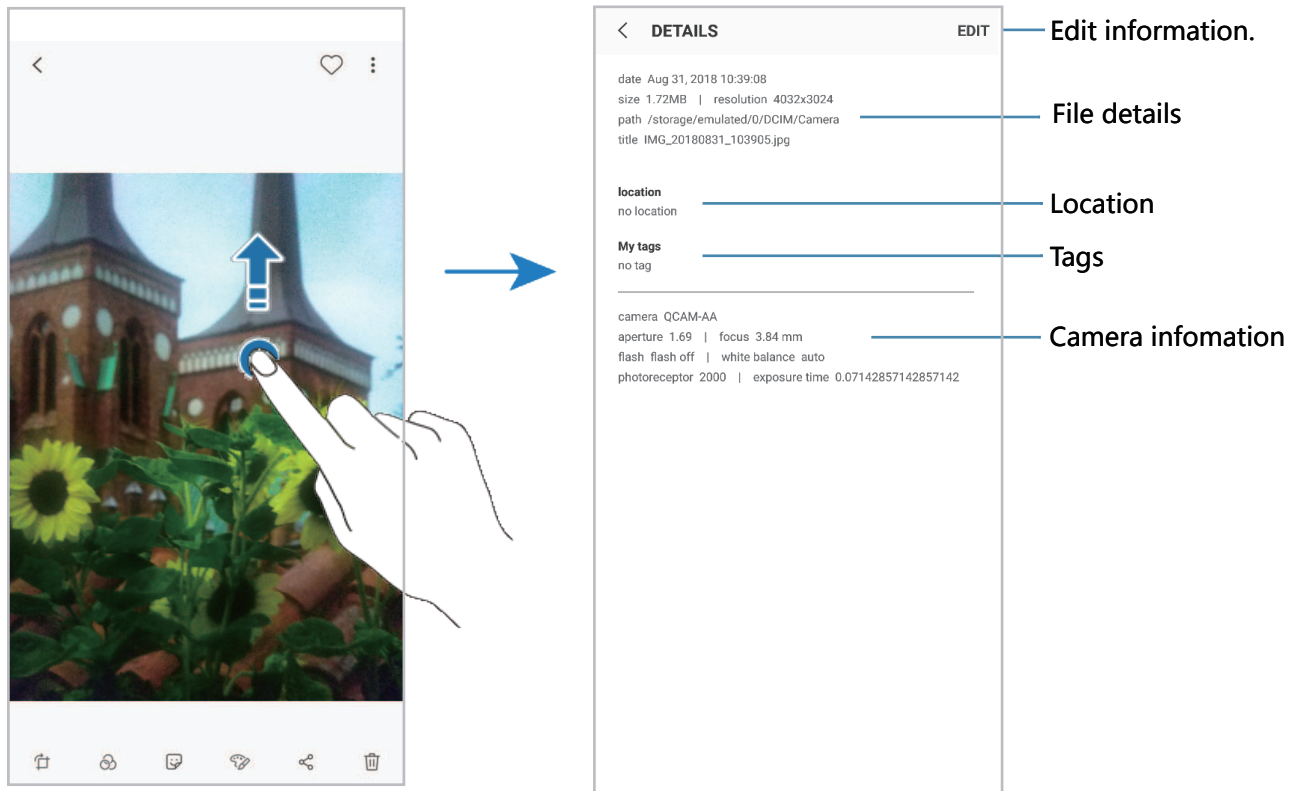
To rewind or fast-forward, swipe to the left or right on the playback screen.

## Viewing the details of images and videos

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

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

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



## Viewing albums

You can view your images and videos sorted by folders or albums. The animated GIFs or collages that you have created will also be sorted in your folders on the albums list.

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

## Hiding albums

You can hide albums.



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

- 1 Launch the **Gallery** app and tap **ALBUMS**.
- 2 Tap **⋮** → **Hide or unhide albums**.
- 3 Select albums to hide and tap **APPLY**.

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

## Deleting images or videos

### Deleting an image or a video

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

### Deleting multiple images and videos

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

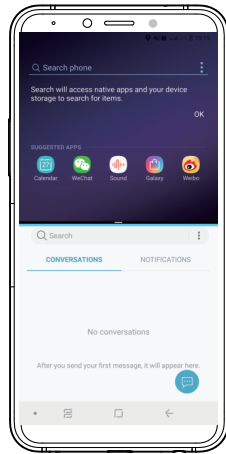
# Multi window

## Introduction

Multi window lets you run two apps at the same time in the split screen view.



Some apps may not support this feature.



Split screen view