

SAMSUNG

USER MANUAL

SM-E236B/DS
SM-M236B/DS
SM-M336B/DS
SM-M336BU/DS

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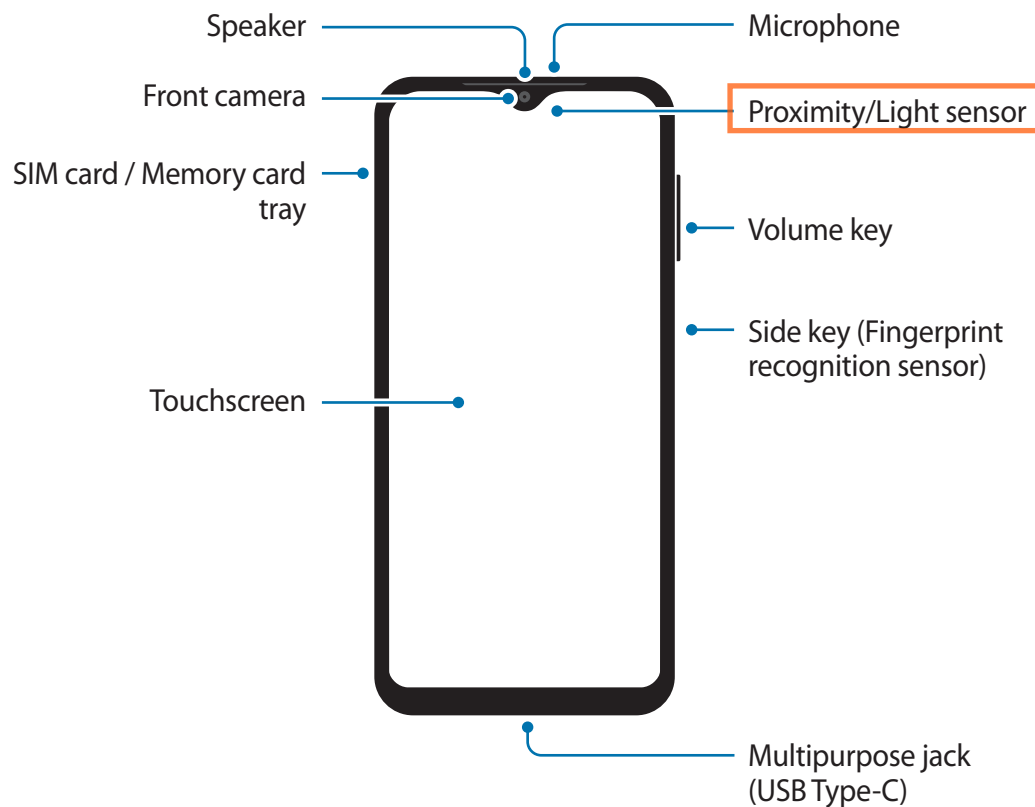
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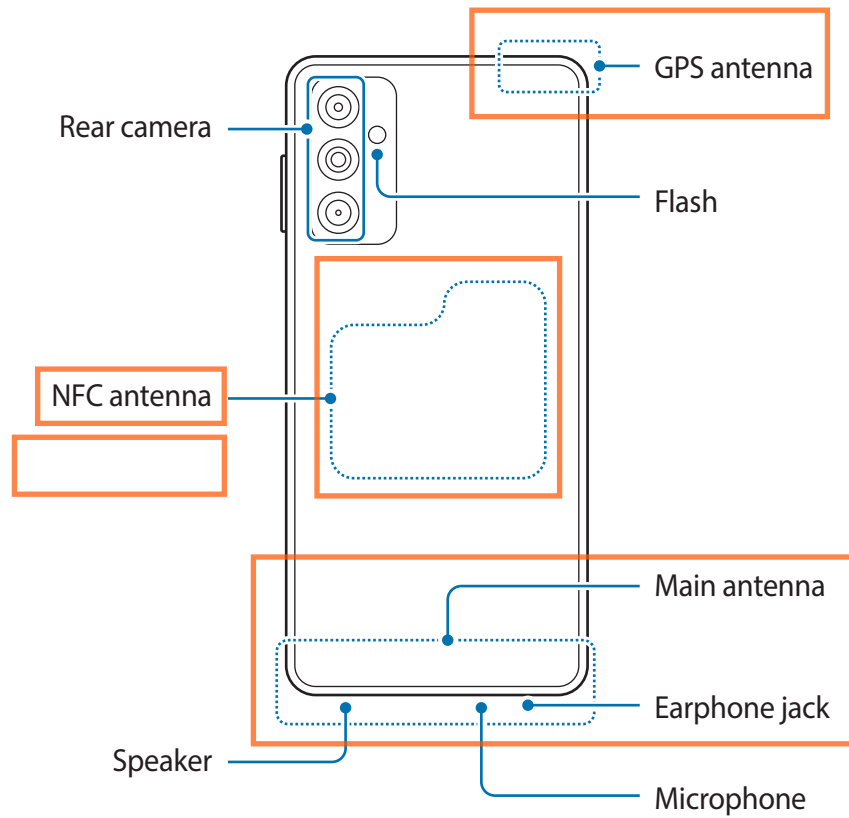
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Getting started

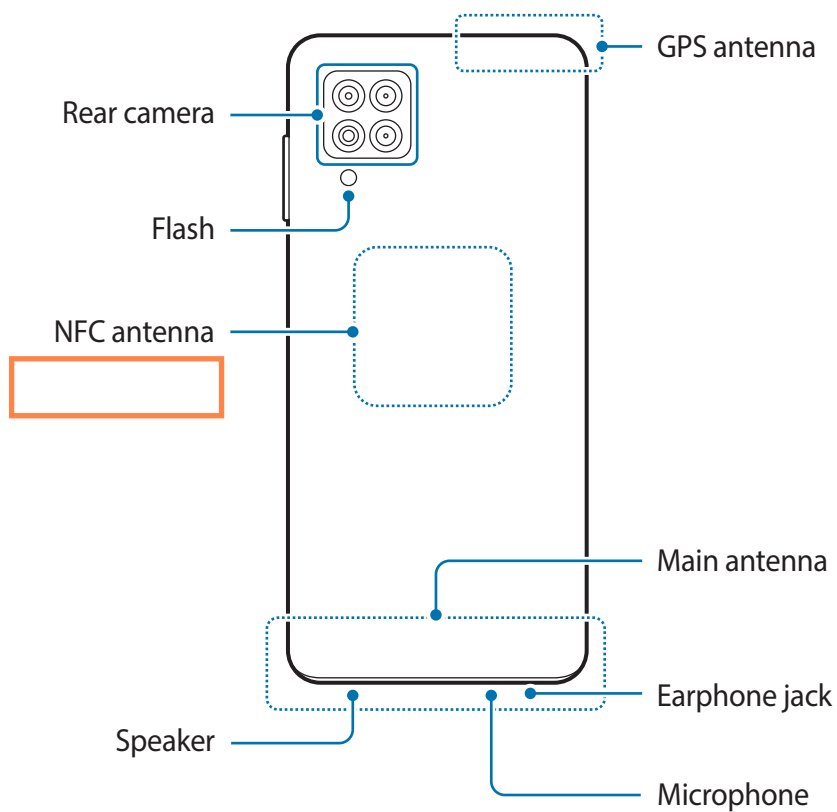
Device layout and functions



► **SM-E236B/DS, SM-M236B/DS:**



► **SM-M336B/DS, SM-M336BU/DS:**





- When using the speakers, such as when playing media files or using speakerphone, do not place the device close to your ears.
- Be careful not to expose the camera lens to a strong light source, such as direct sunlight. If the camera lens is exposed to a strong light source, such as direct sunlight, the camera image sensor may be damaged. A damaged image sensor is irreparable and will cause dots or spots in pictures.
- If you use the device with its glass or acrylic body broken, there may be a risk of injury. Use the device only after it has been repaired at a Samsung Service Centre.
- If dust or foreign materials enter the microphone, speaker, or receiver, the device's sound may become quiet or certain features may not work. If you attempt to remove the dust or foreign materials with a sharp object, the device may be damaged and its appearance may be affected.



- 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

- Do not cover the proximity/light sensor area with accessories, such as stickers or a cover. Doing so may cause the sensor to malfunction.

- The light may flicker at the top of the device during calls due to proximity sensor operation.

- Do not allow water to contact the touchscreen. The touchscreen may malfunction in humid conditions or when exposed to water.

Hard keys

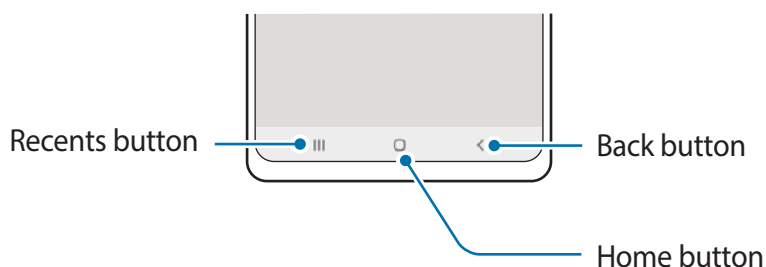
Key	Function
Side key	• Press and hold to turn the device on or off. • Press to turn on or lock the screen. • Press twice to launch the app or feature you set.
Side key + Volume Down key	• Press simultaneously to capture a screenshot. • Press and hold simultaneously to turn off the device.

Setting the Side key

Select an app or feature to launch by pressing the Side key twice.

Launch the **Settings** app, tap **Advanced features** → **Side key**, and then select an option you want.

Soft buttons



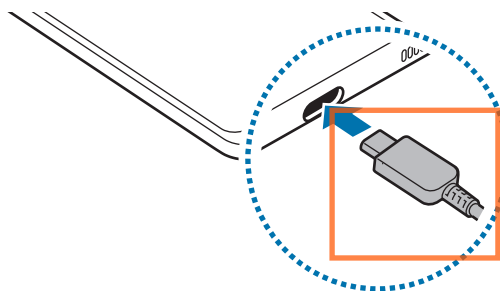
When you turn on the screen, the soft buttons will appear at the bottom of the screen. Refer to [Navigation bar \(soft buttons\)](#) for more information.

Charging the battery

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

Wired charging

Connect the USB cable to the USB power adaptor and plug the cable into the device's multipurpose jack to charge the battery. After fully charging, disconnect the charger from the device.



Quick charging

Launch the **Settings** app, tap **Battery and device care** → **Battery** → **More battery settings**, and then activate the feature you want.

- **Fast charging:** To use the fast charging feature, use a battery charger that supports Adaptive fast charging.



You can charge the battery more quickly while the device or its screen is turned off.

Charging other devices

Use the USB cable to charge another mobile device with your device's battery.

Connect your device and the other device using your device's USB cable. A USB connector may be needed depending on the other device.

When charging starts, the battery charging icon will appear on the other device's screen.



The app selection pop-up window that appears on your device is for data transfer. Do not select an app from the pop-up window.

Reducing the battery consumption

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

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

Battery charging tips and precautions

-  Use only Samsung-approved battery, charger, and cable specifically designed for your device. Incompatible battery, charger, and cable can cause serious injuries or damage to your device.
- 
 - Connecting the charger improperly may cause serious damage to the device. Any damage caused by misuse is not covered by the warranty.
 - Use only USB Type-C cable supplied with the device. The device may be damaged if you use Micro USB cable.
 - 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.



- 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.
- When using a charger, it is recommended to use an approved wired or wireless charger that guarantees the charging performance.
- 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.

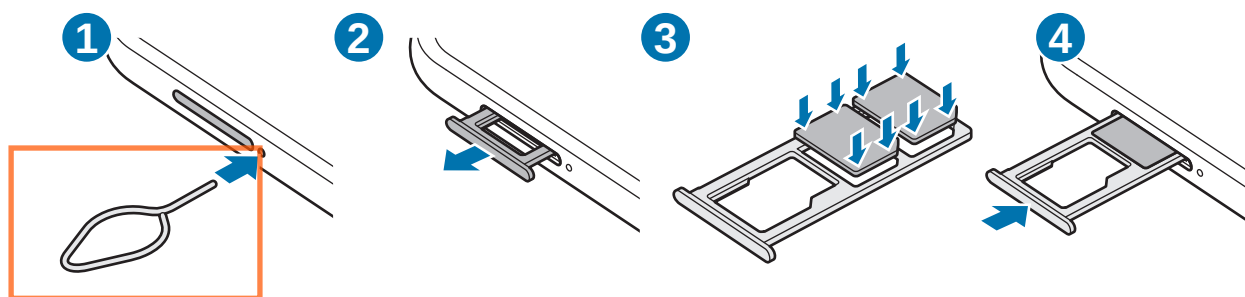
SIM or USIM card (nano-SIM card)

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

You can insert two SIM or USIM 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.

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

Installing the SIM or USIM card



- 1 Insert the ejection pin into the hole next to the tray to loosen the tray.
- 2 Pull out the tray gently from the tray slot.
- 3 Place the SIM or USIM card on the tray with the gold-coloured contacts facing downwards and gently press the SIM or USIM card into the tray to secure it.
- 4 Insert the tray back into the tray slot.

- ❗ • Use only a nano-SIM card.
- Use caution not to lose or let others use the SIM or USIM card. Samsung is not responsible for any damages or inconveniences caused by lost or stolen cards.
- Ensure that the ejection pin is perpendicular to the hole. Otherwise, the device may be damaged.
- If the card is not fixed firmly into the tray, the SIM card may leave or fall out of the tray.
- 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.

SIM card manager

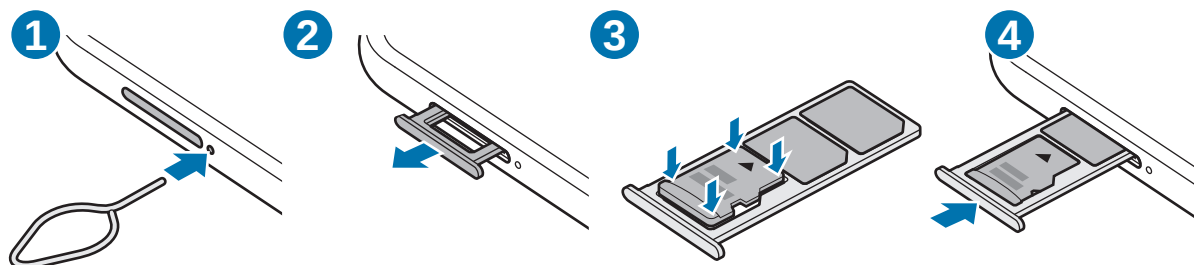
Launch the **Settings** app and tap **Connections** → **SIM card manager**.

- **SIM cards:** Activate the SIM card to use and customise the SIM card settings.
- **Preferred SIM card:** Select to use specific SIM cards for some features, such as voice calls, when two cards are activated.
- **Auto data switching:** Set the device to use another SIM card for data services if the preferred SIM card cannot connect to the network.
- **More SIM card settings:** Customise the call settings.

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.



- 1 Insert the ejector pin into the hole next to the tray to loosen the tray.
- 2 Pull out the tray gently from the tray slot.
- 3 Place a memory card on the tray with the gold-coloured contacts facing downwards and gently press the memory card into the tray to secure it.

4 Insert the tray back into the tray slot.



- 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.
- Ensure that the ejection pin is perpendicular to the hole. Otherwise, the device may be damaged.
- When you remove the tray from the device, the mobile data connection will be disabled.
- If the card is not fixed firmly into the tray, the memory card may leave or fall out of the tray.
- 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.



- 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.

Removing the memory card

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

- 1 Launch the **Settings** app and tap **Battery and device care** → **Storage**.
- 2 Swipe to the left to view the **SD card** page.
- 3 Tap  → **Unmount**.

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

Formatting the memory card

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

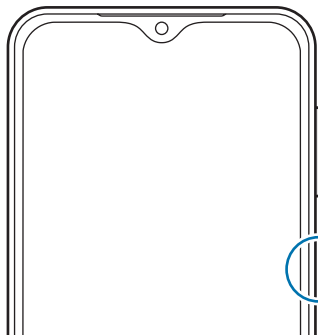
- 1 Launch the **Settings** app and tap **Battery and device care** → **Storage**.
- 2 Swipe to the left to view the **SD card** page.
- 3 Tap  → **Format**.

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

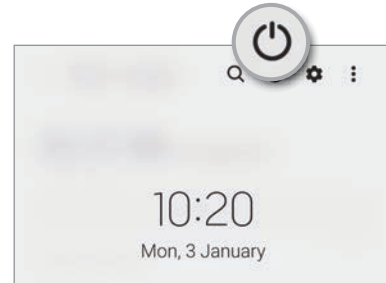
Turning the device on and off



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



Side key



Turning the device on

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

Turning the device off

- 1 To turn off the device, press and hold the Side key. Alternatively, open the notification panel, swipe downwards, and then tap .
- 2 Tap **Power off**.
To restart the device, tap **Restart**.

Forcing restart

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

Emergency mode

You can switch the device to emergency mode to reduce battery consumption. Some apps and functions will be restricted. In emergency mode, you can make an emergency call, send your current location information to others, sound an emergency alarm, and more.

To activate emergency mode, press and hold the Side key, and then tap **Emergency mode**. Alternatively, open the notification panel, swipe downwards, and then tap  → **Emergency mode**.

To deactivate emergency mode, tap  → **Turn off Emergency mode**.



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.

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.



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

Samsung account

Your Samsung account is an integrated account service that allows you to use a variety of Samsung services provided by mobile devices, TVs, and the Samsung website.

To check the list of services that can be used with your Samsung account, visit account.samsung.com.

1 Launch the **Settings** app and tap **Samsung account**.

Alternatively, launch the **Settings** app and tap **Accounts and backup** → **Manage accounts** → **Add account** → **Samsung account**.

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

- If you want to sign in using your Google account, tap **Continue with Google**.
- If you do not have a Samsung account, tap **Create account**.

Finding your ID and resetting your password

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

Signing out of your Samsung account

When you sign out of your Samsung account, your data, such as contacts or events, will also be removed from your device.

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

2 Tap **Samsung account** → **My profile** and tap **Sign out** at the bottom of the screen.

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

Transferring data from your previous device (Smart Switch)

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

Launch the **Settings** app and tap **Accounts and backup** → **Bring data from old device**.



- 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 using a USB cable

You can connect your previous device to your device with the USB cable to easily and quickly transfer data.

- 1 Connect your device and the previous device using your device's USB cable.
A USB connector may be needed depending on the previous device.
 - 2 When the app selection pop-up window appears, tap **Smart Switch** → **Receive data**.
 - 3 In the previous device, tap **Allow**.
If you do not have the app, download it from **Galaxy Store** or **Play Store**.
Your device will recognise the previous device and a list of data you can transfer will appear.
 - 4 On your device, select an option you want, tap **Next**, and then follow the on-screen instructions to transfer data.
-  Do not disconnect the USB cable from the device when you are transferring files. Doing so may cause data loss or device damage.
-  Transferring data increases the battery power consumption of your device. Ensure that your device is sufficiently charged before transferring data. If the battery power is low, data transfer may be interrupted.

Transferring data wirelessly

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

- 1 On the previous device, launch **Smart Switch**.
If you do not have the app, download it from **Galaxy Store** or **Play Store**.
- 2 On your device, launch the **Settings** app and tap **Accounts and backup** → **Bring data from old device**.

- 3 Place the devices near each other.
- 4 On the previous device, tap **Send data** → **Wireless**.
- 5 On your device, tap **Receive data**, select your previous device's operating system, and then tap **Wireless**.
- 6 On the previous device, tap **Allow**.
- 7 On your device, select an option you want, tap **Next**, and then follow the on-screen instructions to transfer data.

Backing up and restoring data using external storage

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

- 1 Back up data from your previous device to external storage.
- 2 Insert or connect the external storage device to your device.
- 3 On your device, launch the **Settings** app and tap **Accounts and backup** → **External storage transfer**.
- 4 Select the backup date under **Restore from SD card**.
- 5 Select an option you want, tap **Next**, and then follow the on-screen instructions to transfer data from external storage.

Transferring backup data from a computer

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

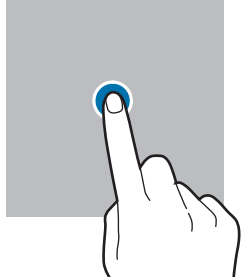
- 1 On the computer, visit www.samsung.com/smartswitch to download Smart Switch.
- 2 On the computer, launch Smart Switch.
-  If your previous device is not a Samsung device, back up data to a computer using a program provided by the device's manufacturer. Then, skip to the fifth step.
- 3 Connect your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

Understanding the screen

Controlling the touchscreen

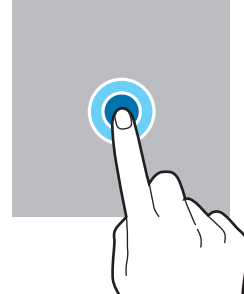
Tapping

Tap the screen.



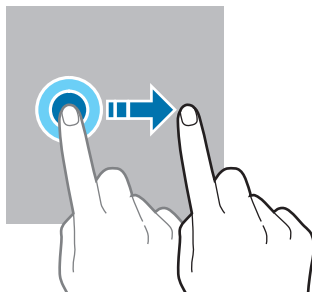
Tapping and holding

Tap and hold the screen for approximately 2 seconds.



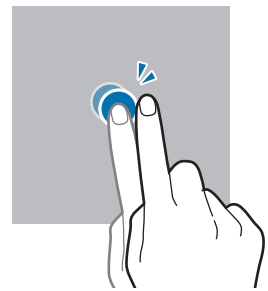
Dragging

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



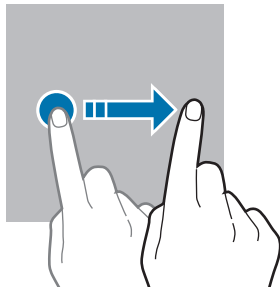
Double-tapping

Double-tap the screen.



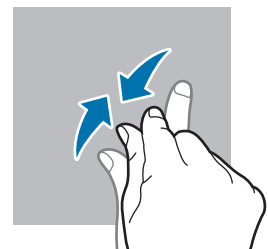
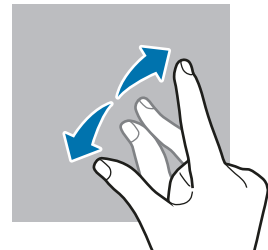
Swiping

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



Spreading and pinching

Spread two fingers apart or pinch on the screen.



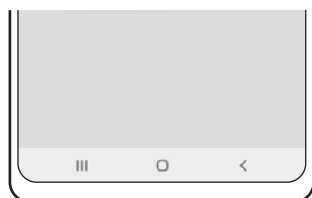
- Do not allow the touchscreen to come into contact with other electrical devices. Electrostatic discharges can cause the touchscreen to malfunction.
- To avoid damaging the touchscreen, do not tap it with anything sharp or apply excessive pressure to it with your fingertips.
- It is recommended not to use fixed graphics on part or all of the touchscreen for extended periods. Doing so may result in afterimages (screen burn-in) or ghosting.



The device may not recognise touch inputs close to the edges of the screen, which are outside of the touch input area.

Navigation bar (soft buttons)

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

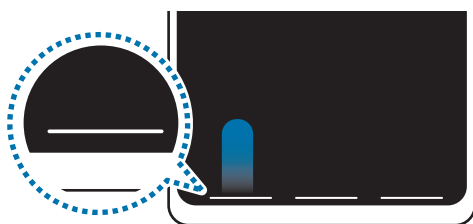


Button		Function
	Recents	• Tap to open the list of recent apps.
○	Home	• Tap to return to the Home screen. • Tap and hold to launch the Google Assistant app.
<	Back	• Tap to return to the previous screen.

Hiding the navigation bar

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

Launch the **Settings** app, tap **Display** → **Navigation bar**, and then tap **Swipe gestures** under **Navigation type**. The navigation bar will be hidden and the gesture hints will appear. Tap **More options** and select an option you want.



Swipe from bottom



Swipe from sides and bottom

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

Home screen and Apps screen

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

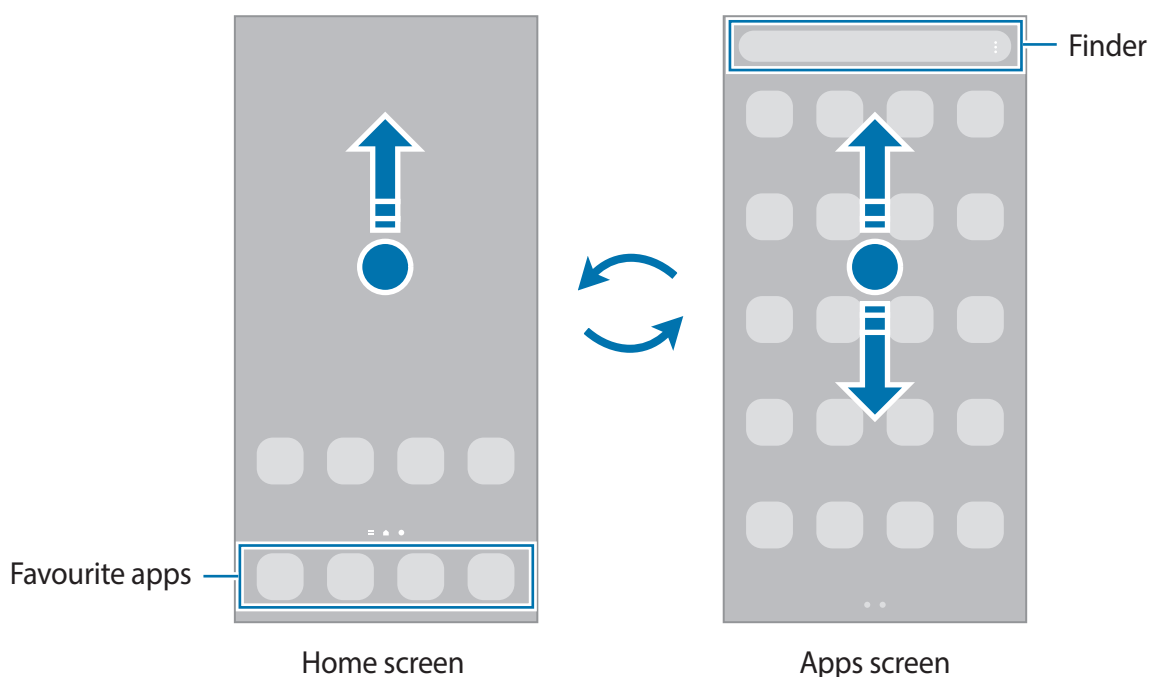
The Apps screen displays icons for all apps, including newly installed apps.

Switching between Home and Apps screens

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

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

Alternatively, tap the Home button or the Back button.



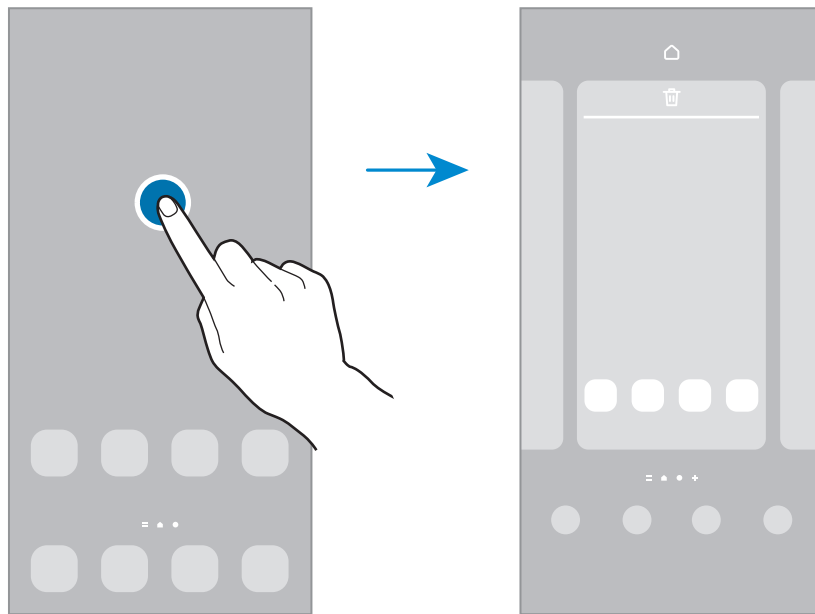
If you add the Apps button on the Home screen, you can open the Apps screen by tapping the button. On the Home screen, tap and hold an empty area, tap **Settings**, and then tap the **Show Apps screen button on Home screen** switch to activate it. The Apps button will be added at the bottom of the Home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

- Adding panels: Swipe to the left, and then tap .
- Moving panels: Tap and hold a panel preview, and then drag it to a new location.
- Deleting panels: Tap  on the panel.



- **Wallpaper and style:** 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. Select a widget and tap **Add**. The widget will be added on the Home screen.
- **Settings:** Configure settings for the Home screen, such as the screen layout.

Displaying all apps on the Home screen

Without using a separate Apps screen, you can set the device to display all apps on the Home screen. On the Home screen, tap and hold an empty area, and then tap **Settings** → **Home screen layout** → **Home screen only** → **Apply**.

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

Launching Finder

Search for content on the device quickly.

- 1 On the Apps screen, tap **Search**. Alternatively, open the notification panel, swipe downwards, and then tap **Q**.
- 2 Enter a keyword.
Apps and content on your device will be searched.
If you tap **Q** on the keyboard, you can search for more content.

Moving items

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

To add a shortcut to an app on the Home screen, tap and hold an item on the Apps screen, and then tap **Add to Home**. A shortcut to the app will be added on the Home screen.

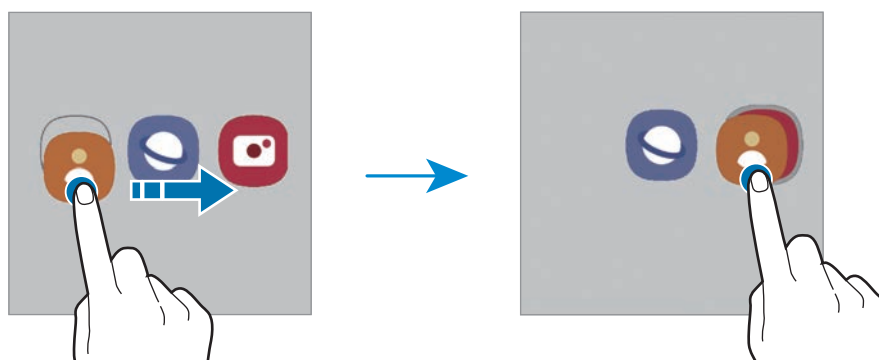
You can also move frequently used apps to the shortcuts area at the bottom of the Home screen.

Creating folders

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

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

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



- **Adding more apps**

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

- **Moving apps from a folder**

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

- **Deleting a folder**

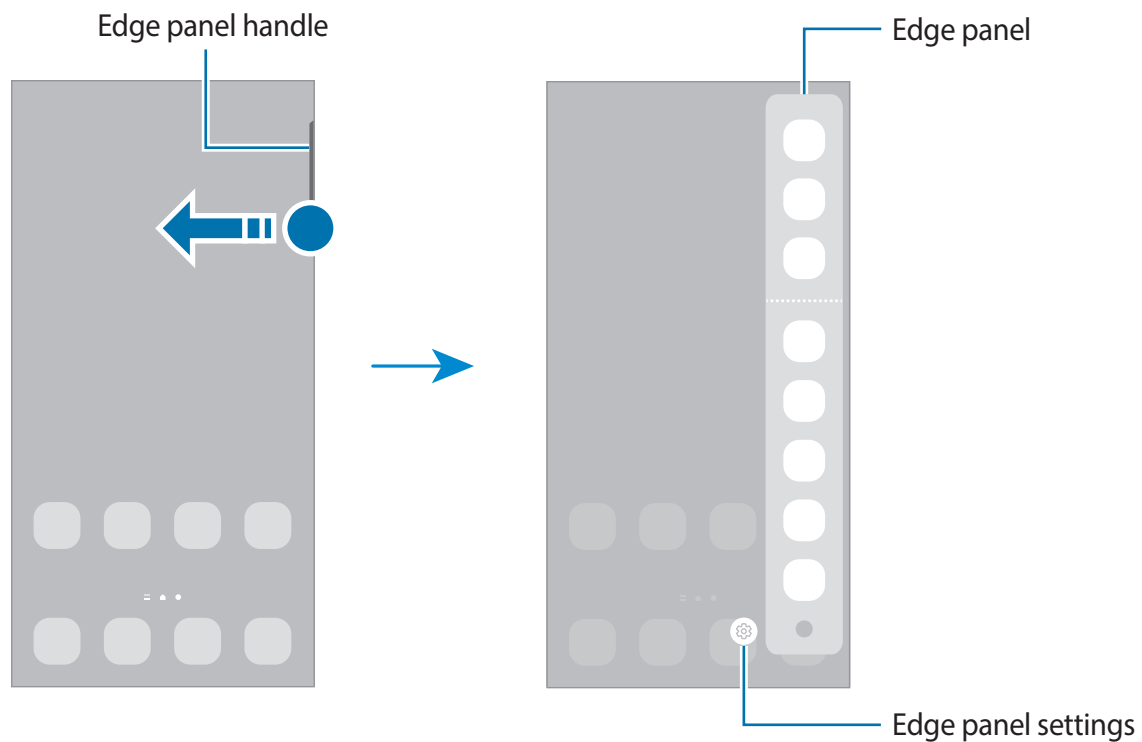
Tap and hold a folder, and then tap **Delete folder**. Only the folder will be deleted. The folder's apps will be relocated to the Apps screen.

Edge panel

You can quickly access your favourite apps and features from the Edge panels.

Drag the Edge panel handle towards the centre of the screen.

If the Edge panel handle is not visible, launch the **Settings** app, tap **Display**, and then tap the **Edge panels** switch to activate it.



Lock screen

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

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

If the screen is off, press the Side key to turn on the screen. Alternatively, double-tap the screen.

Changing the screen lock method

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

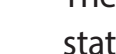
When you set a pattern, PIN, password, or your biometric data for the screen lock method, you can protect your personal information by preventing others from accessing your device. After setting the screen lock method, the device will require an unlock code whenever unlocking it.



You can set your device to perform a factory data reset if you enter the unlock code incorrectly several times in a row and reach the attempt limit. Launch the **Settings** app, tap **Lock screen** → **Secure lock settings**, unlock the screen using the preset screen lock method, and then tap the **Auto factory reset** switch to activate it.

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.

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
	5G network connected
	LTE network connected in LTE network that includes the 5G network
	Wi-Fi connected
	Bluetooth feature activated
	Location services being used
	Call in progress
	Missed call
	New text or multimedia message
	Alarm activated
	Mute mode / Vibration mode
	Flight mode activated
	Error occurred or caution required
	Battery charging / Battery power level



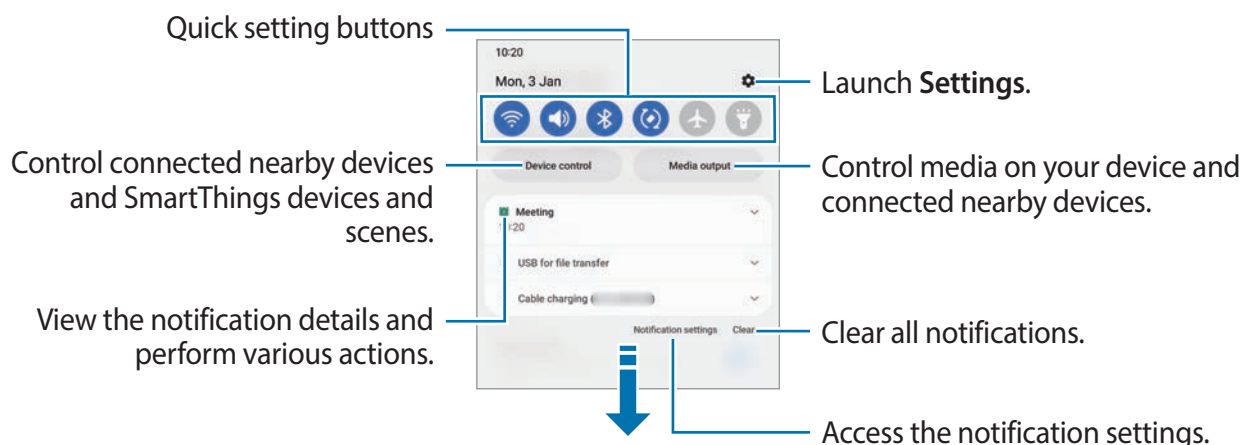
- The status bar may not appear at the top of the screen in some apps. To display the status bar, drag down from the top of the screen.
- Some indicator icons appear only when you open the notification panel.
- The indicator icons may appear differently depending on the service provider or model.

Notification panel

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

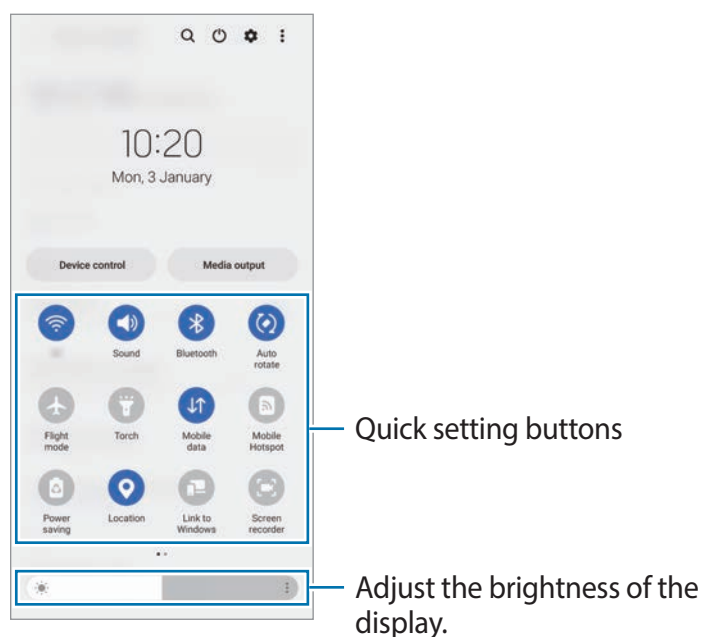
To open the notification panel, drag the status bar downwards. To close the notification panel, swipe upwards on the screen.

You can use the following functions on the notification panel.



Using quick setting buttons

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



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

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

Controlling media playback

Take control of music or video playback easily using the Media feature.

- 1 Open the notification panel and tap **Media output**.
- 2 Tap the icons on the controller to control the playback.

Controlling nearby devices

Launch quickly and take control of nearby connected devices and frequently used SmartThings devices and scenes on the notification panel.

- 1 Open the notification panel and tap **Device control**.

Nearby connected devices and SmartThings devices and scenes will appear.

- 2 Select a nearby device or a SmartThings device to control it, or select a scene to launch it.

Screen capture and screen record

Screen capture

Capture a screenshot while using the device.

Press the Side key and the Volume Down key simultaneously. You can view the captured screenshots in **Gallery**.



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

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



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



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

Screen record

Record the screen while using your device.

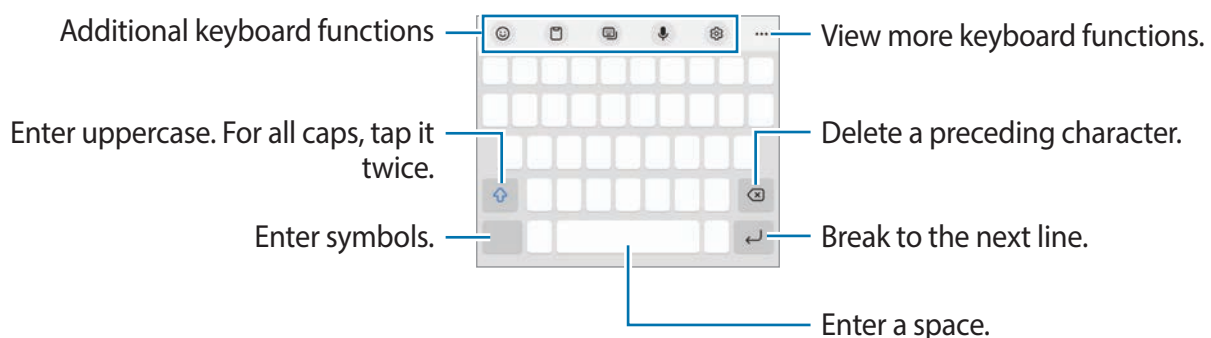
- 1 Open the notification panel, swipe downwards, and then tap  (**Screen recorder**) to activate it.
 - 2 Select a sound setting and tap **Start recording**.
After a countdown, recording will start.
 - To write or draw on the screen, tap .
 - To record the screen with a video overlay of yourself, tap .
 - 3 When you are finished recording the video, tap .
- You can view the video in **Gallery**.

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

Entering text

Keyboard layout

A keyboard appears automatically when you enter text.



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

Changing the input language

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

Changing the keyboard

On the navigation bar, tap  to change the keyboard.

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



- If the keyboard button () does not appear on the navigation bar, launch the **Settings** app, tap **General management** → **Keyboard list and default**, and then tap the **Keyboard button on navigation bar** switch to activate it.
- On a **3 x 4** keyboard, a key has three or four characters. To enter a character, tap the corresponding key repeatedly until the desired character appears.

Additional keyboard functions

-  : Enter emojis, stickers, and more. You can also enter your emoji stickers that look like you. Refer to [Using your AR emoji stickers in chats](#) for more information.
-  : Add an item from the clipboard.
-  : Change the keyboard mode.
-  : Enter text by voice.
-  : Change the keyboard settings.

Tap  to use more keyboard functions.

-  : Search for content and enter it.
-  : Translate text and enter it.
-  : Enter your personal information registered to Samsung Pass.
-  : Share music links.
-  : Share video links.
-  : Enter emojis.
-  : Attach animated GIFs.
-  /  /  : Enter stickers.
-  : Change the keyboard size.
-  : Open the text editing panel.



Some features may not be available depending on the service provider or model.

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 Store

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

Launch the **Galaxy Store** app. Browse apps by category or tap **Q** to search for a keyword.



- This app may not be available depending on the service provider or model.
- To change the auto update settings, tap **Menu** →  → **Auto update apps**, and then select an option.

Play Store

Purchase and download apps.

Launch the **Play Store** app. Browse apps by category or search for apps by keyword.



- To change the auto update settings, tap your account icon, tap **Settings** → **Network preferences** → **Auto-update apps**, and then select an option.

Managing apps

Uninstalling or disabling apps

Tap and hold an app and select an option.

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



- Some apps may not support this feature.

Enabling apps

Launch the **Settings** app, tap **Apps** →  → **Disabled** → **OK**, 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.

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** → **⋮** → **Permission manager**. Select an item and select an app.



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

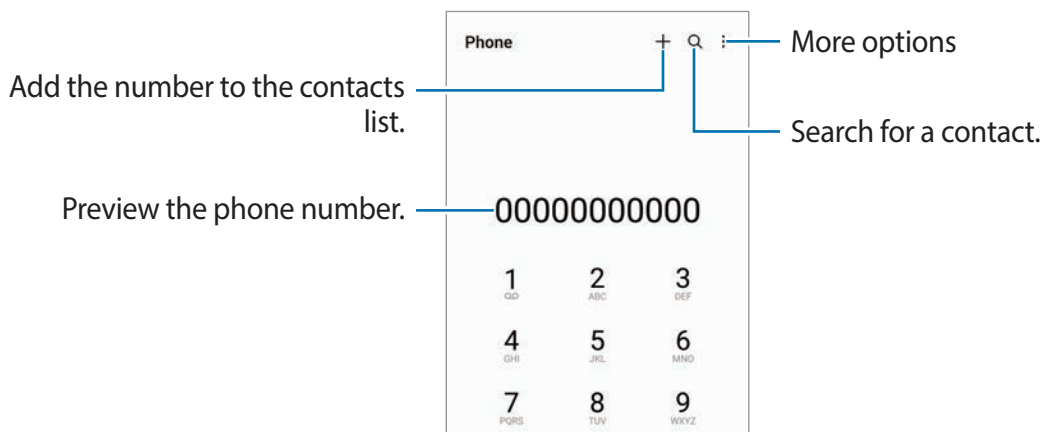
Phone

Introduction

Make or answer voice and video calls.

Making calls

- 1 Launch the **Phone** app and tap **Keypad**.
- 2 Enter a phone number.
- 3 Tap  to make a voice call, or tap  or  to make a video call.



Making calls from call logs or contacts list

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

If this feature is deactivated, tap  → **Settings** → **Other call settings**, and then tap the **Swipe to call or text** switch to activate it.

Using speed dial

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

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

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

Making an international call

- 1 Launch the **Phone** app and tap **Keypad**.
- 2 Tap and hold **0** until the + sign appears.
- 3 Enter the country code, area code, and phone number, and then tap .

Receiving calls

Answering a call

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

Rejecting a call

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

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

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

Blocking phone numbers

Block calls from specific numbers added to your block list.

- 1 Launch the **Phone** app and tap  → **Settings** → **Block numbers**.
- 2 Tap **Recents** or **Contacts**, select contacts or phone numbers, and then tap **Done**.
To manually enter a number, tap **Add phone number**, enter a phone number, and then tap .

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

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

Options during calls

- **Add call:** Dial a second call. The first call will be put on hold. When you end the second call, the first call will be resumed.
- **Hold call:** Hold a call.
- **Bluetooth:** Switch to a Bluetooth headset if it is connected to the device.
- **Speaker:** Activate or deactivate the speakerphone. When using the speakerphone, keep the device away from your ears.
- **Mute:** Turn off the microphone so that the other party cannot hear you.
- **Keypad / Hide:** Open or close the keypad.
-  : End the current call.
- **Camera:** During a video call, turn off the camera so that the other party cannot see you.
- **Switch:** During a video call, switch between the front and rear cameras.

-  Some features may not be available depending on the service provider or model.

Contacts

Introduction

Create new contacts or manage contacts on the device.

Adding contacts

Creating a new contact

- 1 Launch the **Contacts** app and tap **+**.
- 2 Select a storage location.
- 3 Enter contact information and 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 or export contacts** → **Import**.
- 2 Follow the on-screen instructions to import contacts.

Syncing contacts with your web accounts

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

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

Searching for contacts

Launch the **Contacts** app. Tap **Q** at the top of the contacts list and enter search criteria.

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

-  : Make a voice call.
-  : Make a video call.
-  : Compose a message.
-  : Compose an email.

Deleting contacts

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

2 Select contacts and tap **Delete**.

To delete contacts one by one, tap a contact from the contacts list and tap **More** → **Delete**.

Sharing contacts

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

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

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 group**.

2 Follow the on-screen instructions to create a group.

Merging duplicate contacts

If your contacts list includes duplicate contacts, merge them into one to streamline your contacts list.

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

2 Tick contacts and tap **Merge**.

Messages

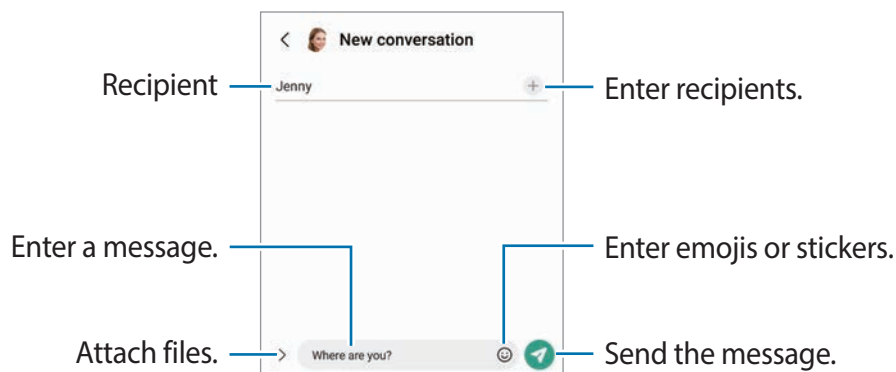
Introduction

Send and view messages by conversation.

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

Sending messages

- 1 Launch the **Messages** app and tap .
- 2 Add recipients and enter a message.
To record and send a voice message, tap and hold , say your message, and then release your finger. The recording icon appears only while the message input field is empty.
- 3 Tap  to send the message.



Viewing messages

- 1 Launch the **Messages** app and tap **Conversations**.
- 2 On the messages list, select a contact or a phone number.
 - To reply to the message, tap the message input field, enter a message, and then tap .
 - To adjust the font size, spread two fingers apart or pinch on the screen.

Sorting messages

You can sort messages by category and manage them easily.

Launch the **Messages** app and tap **Conversations** → .

If the category option does not appear, tap  → **Settings** and tap the **Conversation categories** switch to activate it.

Deleting messages

Tap and hold a message to delete, then tap **Delete**.

Changing message settings

Launch the **Messages** app, tap **⋮** → **Settings**. You can block unwanted messages, change notification settings, and more.

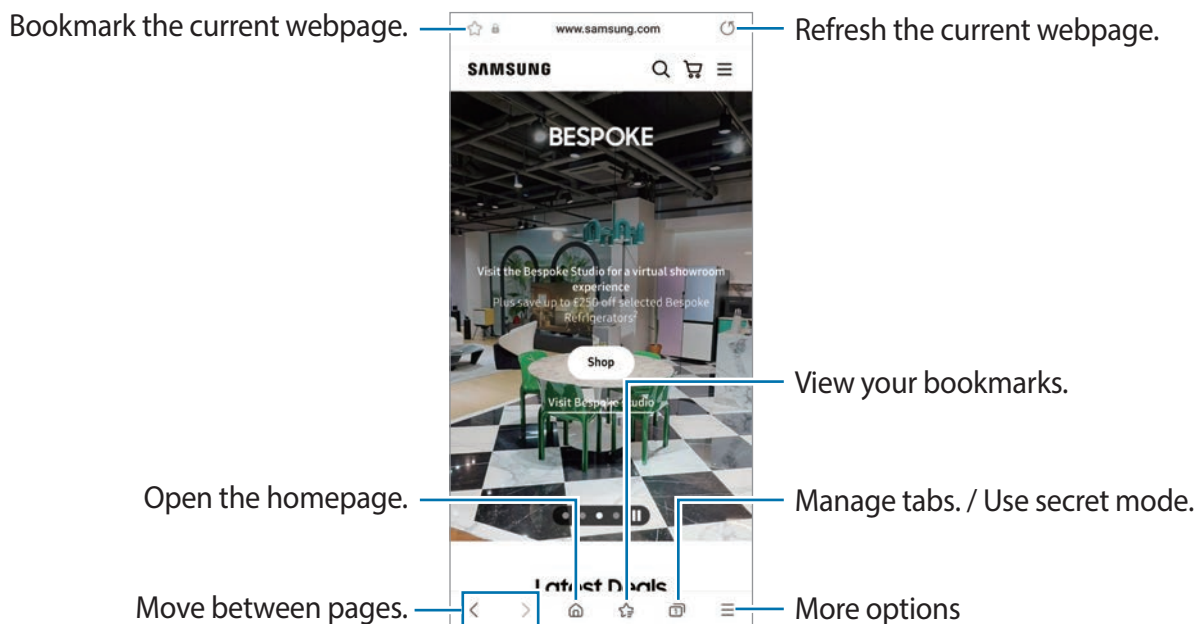
Internet

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

- 1 Launch the **Internet** app.
- 2 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

If you set a password for secret mode, you can prevent others from viewing your search history, browsing history, bookmarks, and saved pages.

- 1 Tap  → **Turn on Secret mode**.
- 2 Tap the **Lock Secret mode** switch to activate it, tap **Start**, and then set a password for secret mode.
In secret mode, the device will change the colour of the toolbars. To deactivate secret mode, tap  → **Turn off Secret mode**.

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

Camera

Introduction

Take pictures and record videos using various modes and settings.

Camera etiquette

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

Taking pictures

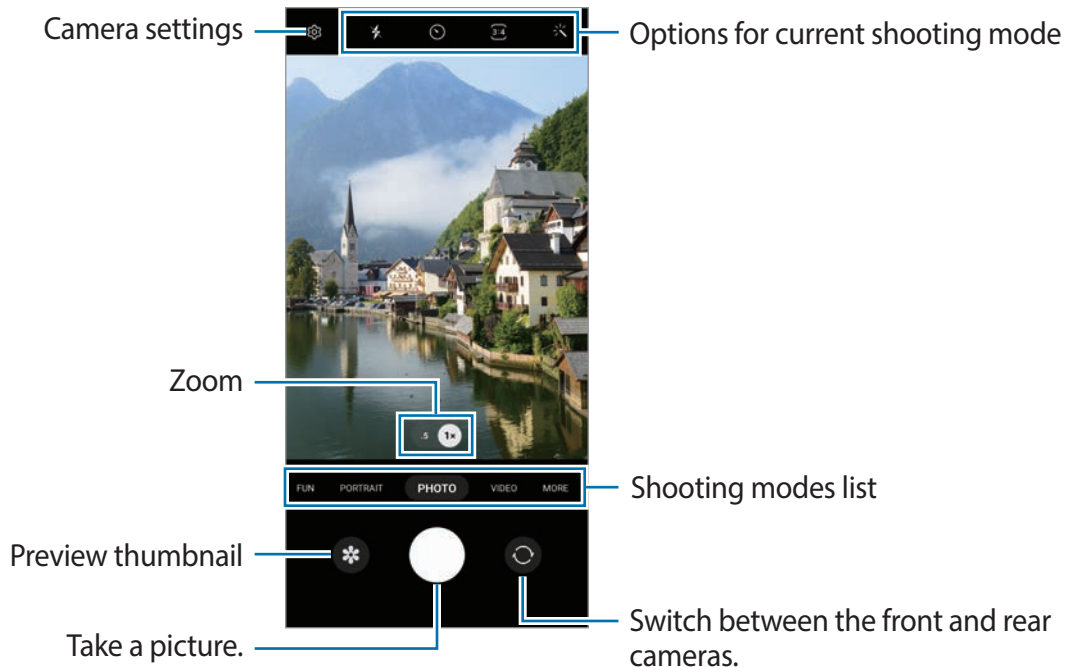
- 1 Launch the **Camera** app.

You can also launch the app by pressing the Side key twice quickly or dragging  to the left on the locked screen.

-  • 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.
- The camera automatically shuts off when unused.
 - Some methods may not be available depending on the service provider or model.
- 2 Tap the image on the preview screen where the camera should focus.
To adjust the brightness of pictures, drag the adjustment bar that appears above or below the circular frame.

3 Tap to take a picture.

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.



- The preview screen may vary depending on the shooting mode and which camera is being used.
- The focus may not be clear if the subject is close. Take pictures or videos from a good distance.
- If pictures you take appear blurry, clean the camera lens and try again.
- 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 pictures or videos and does not indicate device performance problems.
- The maximum capacity for recording a video may vary depending on the resolution.
- The camera may fog up or form condensation if the device is exposed to sudden changes in air temperature, due to the difference in temperature outside and inside the camera cover. Try to avoid such conditions when planning to use the camera. If fogging does occur, allow the camera to dry naturally at room temperature before taking pictures or recording videos, otherwise results may look blurry.

Using zoom features

Select **.5/1** or drag it to the left or right to zoom in or out. Alternatively, spread two fingers apart on the screen to zoom in, and pinch to zoom out.

- **.5**: The Ultra wide camera lets you take wide-angle pictures or record wide-angle videos of things like landscapes.
- **1**: The wide-angle camera lets you take basic pictures or record normal videos.
- **2**: The telephoto camera lets you take pictures or record videos by enlarging the subject.



- Zoom features are available only when using the rear camera.
- The available zoom features may vary depending on the model.

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 picture.



This feature may not be available depending on the shooting mode.

Using the camera button

- Tap and hold the camera button to record a video.
- To take burst shots, swipe the camera button to the edge of the screen and hold it.
- If you add another camera button, you can move it anywhere on the screen and take pictures more conveniently. On the preview screen, tap  → **Shooting methods** and tap the **Floating Shutter button** switch to activate it.

Options for current shooting mode

On the preview screen, use the following options.

-  /  : Activate or deactivate the flash.
-  : Select the length of the delay before the camera automatically takes a picture.
-  : Select an aspect ratio and resolution for pictures.
-  : Activate or deactivate the super steady feature to stabilise a video.
-  : Select a frame rate.
-  : Select an aspect ratio for pictures and videos.
-  : Select a resolution for videos.
-  : Apply a filter effect or beauty effects.
-  : Select a metering method. This determines how light values are calculated.  **Centre-weighted metering** uses the light in the centre portion of the shot to calculate the exposure of the shot.  **Spot metering** uses the light in a concentrated centre area of the shot to calculate the exposure of the shot.  **Matrix metering** averages the entire scene.
-  : Adjust the colour tone.
-  : In **FOOD** mode, focus on a subject inside the circular frame and blur the image outside the frame.
-  /  : In **FOOD** mode, adjust the colour tone.
-  : Customise the shooting options when taking single take shots.

 The available options may vary depending on the model or shooting mode.

Photo mode

The camera adjusts the shooting options automatically depending on the surroundings to capture pictures easily.

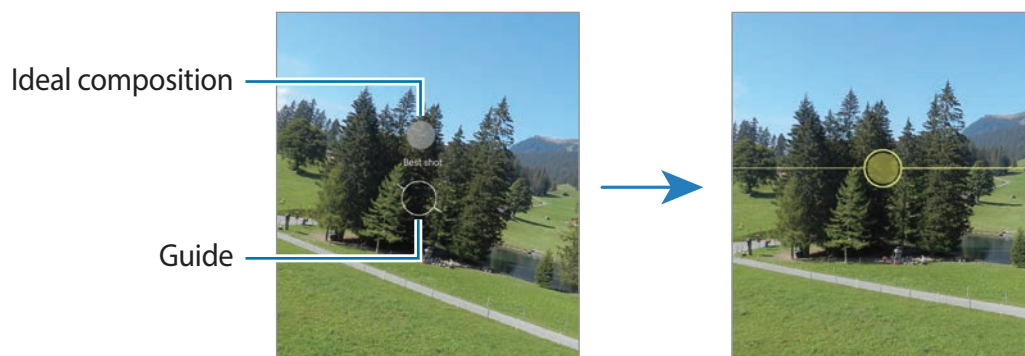
On the shooting modes list, tap **PHOTO** and tap  to take a picture.

Shot suggestions

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

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

- 1 On the shooting modes list, tap **PHOTO**.
A guide will appear on the preview screen.
- 2 Point the guide at the subject.
The camera recognises the composition, and the recommended composition appears on the preview screen.
- 3 Move the device so the guide matches the recommended composition.
When the ideal composition is achieved, the guide will change to yellow.
- 4 Tap  to take a picture.



Taking selfies

You can take self-portraits with the front camera.

- 1 On the preview screen, swipe upwards or downwards, or tap  to switch to the front camera for self-portraits.
- 2 Face the front camera lens.
To take self-portraits with a wide-angle shot of the landscape or people, tap .
- 3 Tap  to take a picture.

Applying filter and beauty effects

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

- 1 On the preview screen, tap .
- 2 Select effects and take a picture.
If you use the My filters feature, you can create your own filter using an image with a colour tone you like from **Gallery**.

Video mode

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

- 1 On the shooting modes list, tap **VIDEO** and tap  to record a video.
 - To switch between the front and rear cameras while recording, swipe upwards or downwards on the preview screen or tap .
 - To capture an image from the video while recording, tap .
 - 2 Tap  to stop recording the video.
- 
 - 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.
 - The optical zoom may not work in low-light environments.

Stabilising videos (**Super steady**)

When recording videos, stabilise them using the Super steady feature.

Tap **VIDEO** on the shooting modes list, tap  on the shooting options to activate it, and then record a video.



Fun mode

Take a picture with various effects.

- 1 On the shooting modes list, tap **FUN**.
- 2 Select an effect and take a picture.

Portrait mode

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

- 1 On the shooting modes list, tap **PORTRAIT**.
- 2 Drag the background blur adjustment bar to adjust the blur level.
- 3 When **Ready** appears on the preview screen, tap  to take a picture.



Background blur adjustment bar



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

Pro mode

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

On the shooting modes list, tap **MORE** → **PRO**. Select options and customise the settings, and then tap  to take a picture.

Available options

-  : Reset the settings.
- **ISO**: Select an ISO value. This controls camera light sensitivity. Low values are for stationary or brightly lit objects. Higher values are for fast-moving or poorly lit objects. However, higher ISO settings can result in noise in pictures.
- **SPEED**: Adjust the shutter speed. A slow shutter speed allows more light in, so the picture becomes brighter. This is ideal for pictures of scenery or pictures taken at night. A fast shutter speed allows less light in. This is ideal for taking pictures of fast-moving subjects.
- **EV**: Change the exposure value. This determines how much light the camera's sensor receives. For low-light situations, use a higher exposure.
- **FOCUS**: Change the focus mode. Drag the adjustment bar to manually adjust the focus.
- **WB**: Select an appropriate white balance, so images have a true-to-life colour range. You can set the colour temperature.

Separating the focus area and the exposure area

You can separate the focus area and the exposure area.

Tap and hold the preview screen. The AF/AE frame will appear on the screen. Drag the frame to the area where you want to separate the focus area and the exposure area.

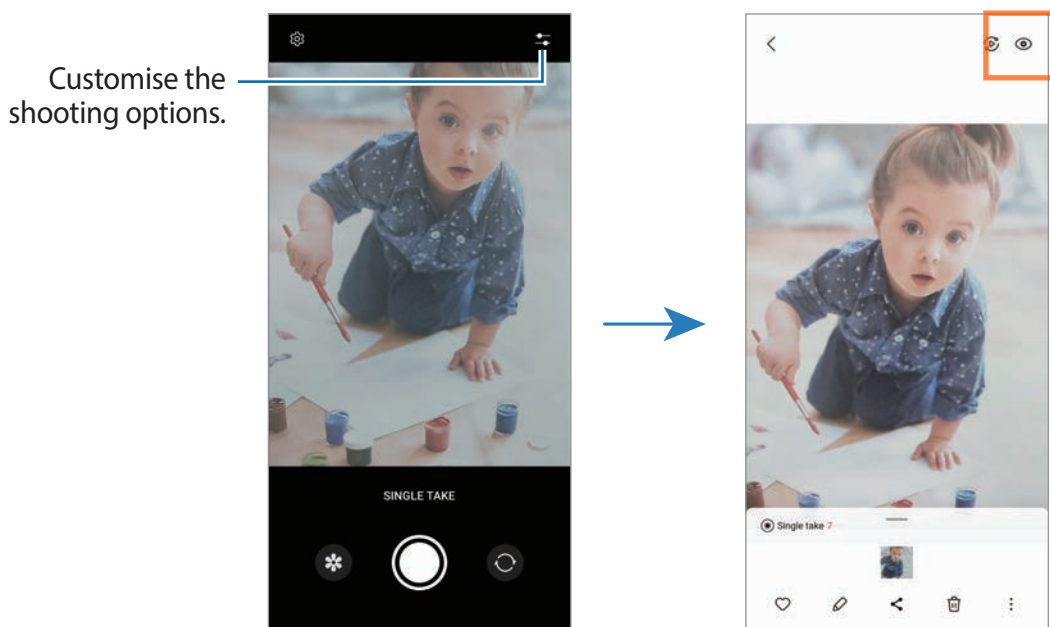


Single take mode

Take various pictures and videos in just one shot.

Your device automatically selects the best shot and creates pictures with filters or videos with certain sections repeated.

- 1 On the shooting modes list, tap **MORE** → **SINGLE TAKE**.
- 2 Tap  and move the camera to capture the scene you want.
- 3 When you are finished, tap the preview thumbnail.
To view other results, drag the — icon upwards. To save the results individually, tap **Select**, tick the items you want, and then tap .



Night mode

Take a picture in low-light conditions, without using the flash. When you use a tripod, you can get brighter and steadier results.

- 1 On the shooting modes list, tap **MORE** → **NIGHT**.
- 2 Tap  and hold your device steady until shooting is complete.

Food mode

Take pictures of food with more vibrant colours.

- 1 On the shooting modes list, tap **MORE** → **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  or  and drag the adjustment bar to adjust the colour tone.
- 4 Tap  to take a picture.

Panorama mode

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

- 1 On the shooting modes list, tap **MORE** → **PANORAMA**.
 - 2 Tap  and move the device 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 pictures.
 - 3 Tap  to stop taking pictures.
-  Avoid taking pictures of indistinct backgrounds, such as an empty sky or a plain wall.

Macro mode

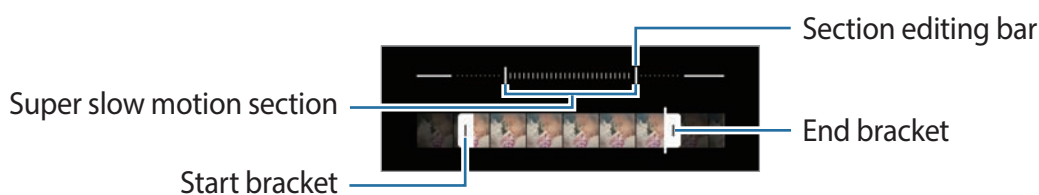
Take pictures of subjects at close range.

On the shooting modes list, tap **MORE** → **MACRO**.

Super Slow-mo mode

Super slow motion is a feature that records a quickly passing moment slowly so that you can appreciate it later.

- 1 On the shooting modes list, tap **MORE** → **SUPER SLOW-MO** and tap  to record a video. The device will capture the moment in super slow motion and save it as a video.
- 2 On the preview screen, tap the preview thumbnail. To edit the super slow motion section, tap  and drag the section editing bar to the left or right.



-  Use this feature in a place that has sufficient light. When recording a video indoors with insufficient or poor lighting, the screen may appear dark or be grainy. The screen may flicker in certain lighting conditions, such as in places with fluorescent lighting.

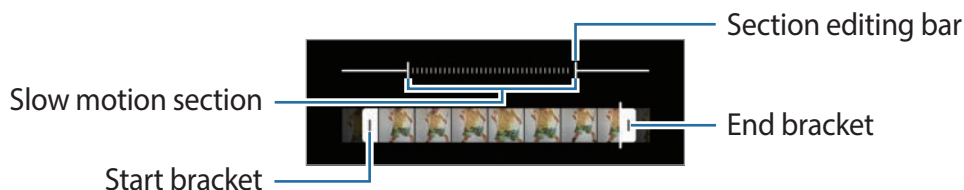
Slow motion mode

Record a video for viewing it in slow motion. You can specify sections of your videos to be played in slow motion.

- 1 On the shooting modes list, tap **MORE** → **SLOW MOTION** and tap  to record a video.
- 2 When you are finished recording, tap  to stop.
- 3 On the preview screen, tap the preview thumbnail.

The fast section of the video will be set as a slow motion section and the video will start playing. Up to two slow motion sections will be created based on the video.

To edit the slow motion section, tap  and drag the section editing bar to the left or right.



Hyperlapse mode

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

- 1 On the shooting modes list, tap **MORE** → **HYPERLAPSE**.
- 2 Tap  and select a frame rate option.
If you set the frame rate to , 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.

Customising camera settings

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

Intelligent features

- **Scene optimiser:** Set the device to adjust the colour settings and apply the optimised effect automatically depending on the subject or scene.
- **Shot suggestions:** Set the device to suggest the ideal composition for the picture by recognising the position and angle of your subject.
- **Scan QR codes:** Set the device to scan QR codes from the preview screen.

Pictures

- **Swipe Shutter button to:** Select an action to perform when you swipe the camera button to the edge of the screen and hold it.
- **High efficiency pictures:** Take pictures in the High Efficiency Image Format (HEIF).

Selfies

- **Save selfies as previewed:** Set the device to save pictures as they appear on the preview screen when taken with the front camera without flipping them.

Videos

- **Reduce file size:** You can record videos in the High Efficiency Video Codec (HEVC) format. Your HEVC videos will be saved as compressed files to conserve the device's memory.
 -  • You may not be able to play the HEVC videos on other devices or share them online.
 - Super slow motion and slow motion videos cannot be recorded in the HEVC format.

- **Auto FPS:** Set the device to record brighter videos in low-light conditions by automatically optimising the frame rate.
- **Video stabilisation:** Activate anti-shake to reduce or eliminate blurry image resulting from camera shake while recording a video.

General

- **Auto HDR:** Take pictures with rich colours and reproduce details even in bright and dark areas.
- **Grid lines:** Display viewfinder guides to help composition when selecting subjects.
- **Location tags:** Attach a GPS location tag to the picture.
 -  • 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 pictures when you upload them to the Internet. To avoid this, deactivate the location tag setting.
- **Shooting methods:** Select additional shooting methods for taking a picture or recording a video.
- **Settings to keep:** Keep the last settings you used, such as the shooting mode, when you launch the camera.
- **Storage location:** Select the memory location for storage. This feature will appear when you insert a memory card.
- **Watermark:** Add a watermark in the bottom left corner when taking pictures.
- **Show Snapchat Lenses in Fun mode:** Set the device to take a picture with various effects using unique Snapchat Lenses.

Privacy

- **Privacy Notice:** View the privacy notice.
- **Permissions:** View the permissions required to use the Camera app.
- **Reset settings:** Reset the camera settings.
- **Contact us:** Ask questions or view frequently asked questions.
- **About Camera:** View the Camera app version and legal information.



Some features may not be available depending on the model.

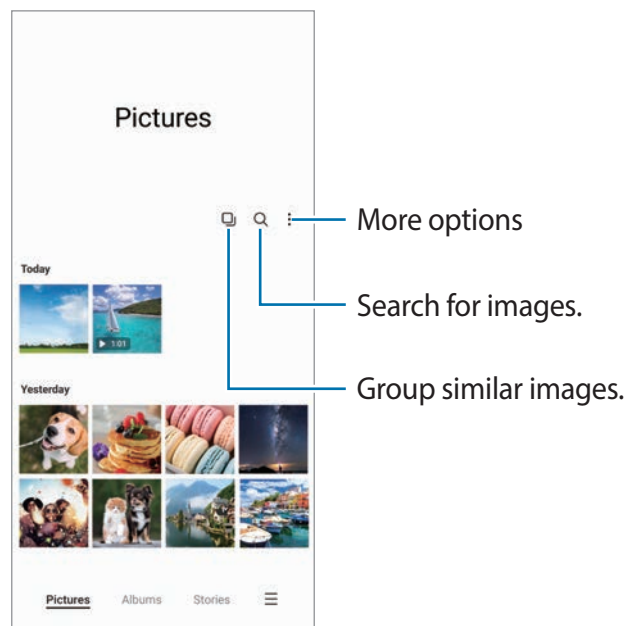
Gallery

Introduction

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

Using Gallery

Launch the **Gallery** app.

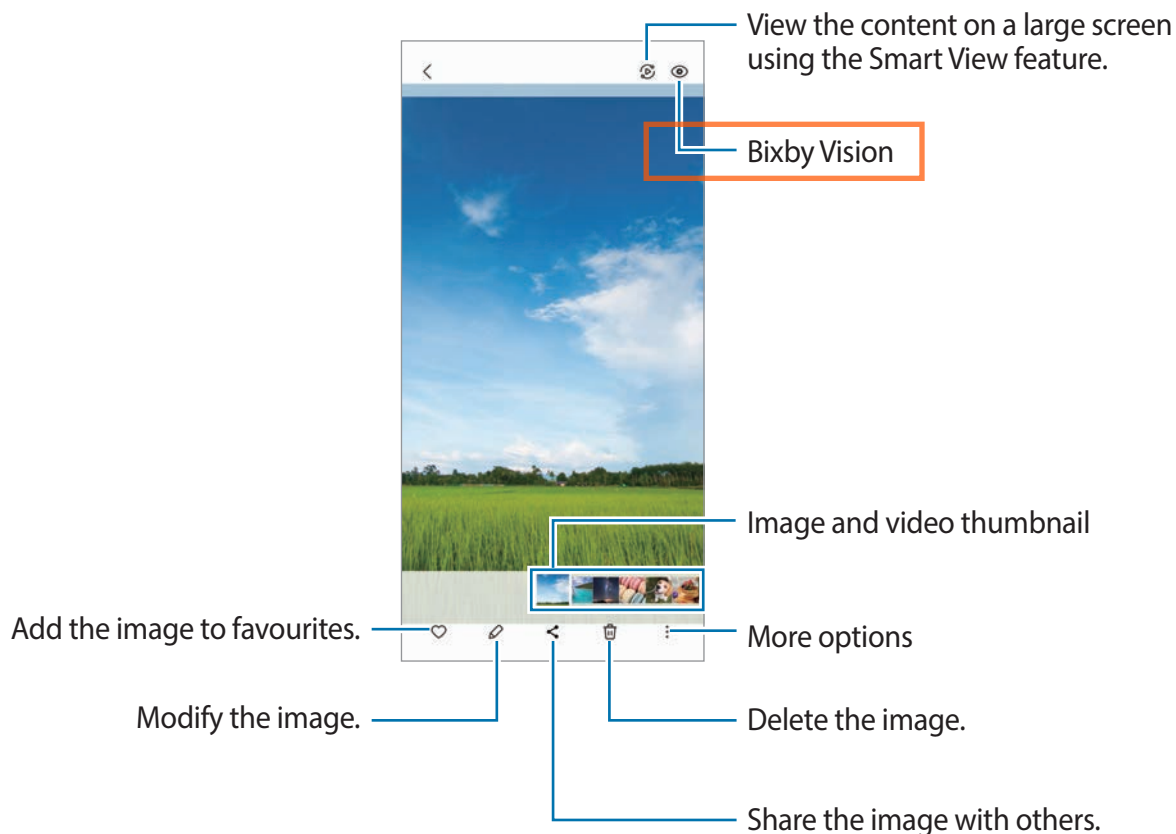


Grouping similar images

Launch the **Gallery** app and tap  to group similar images and display only the best shots as a preview of the images. When you tap the image preview, you can view all the images in the group.

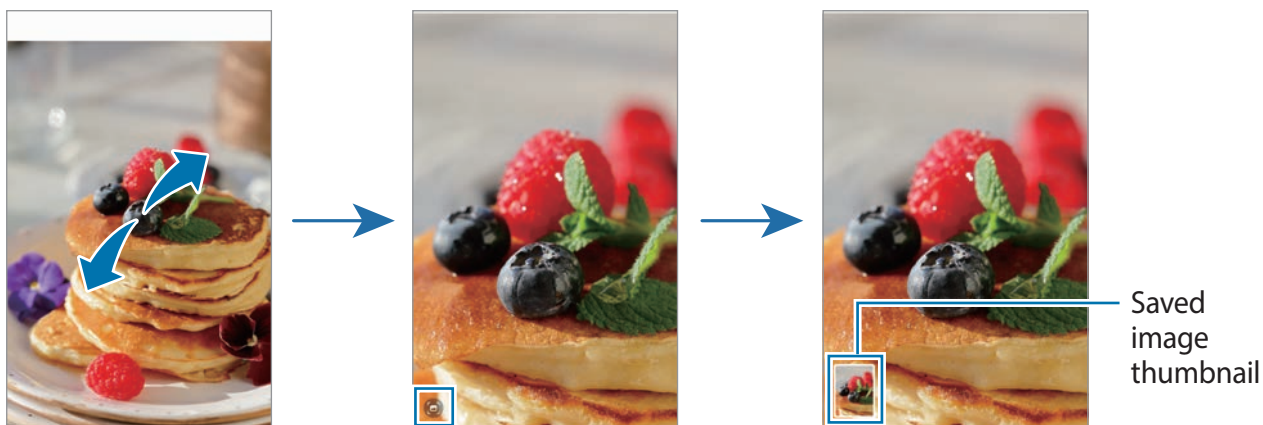
Viewing images

Launch the **Gallery** app and select an image. To view other files, swipe to the left or right on the screen.



Cropping enlarged images

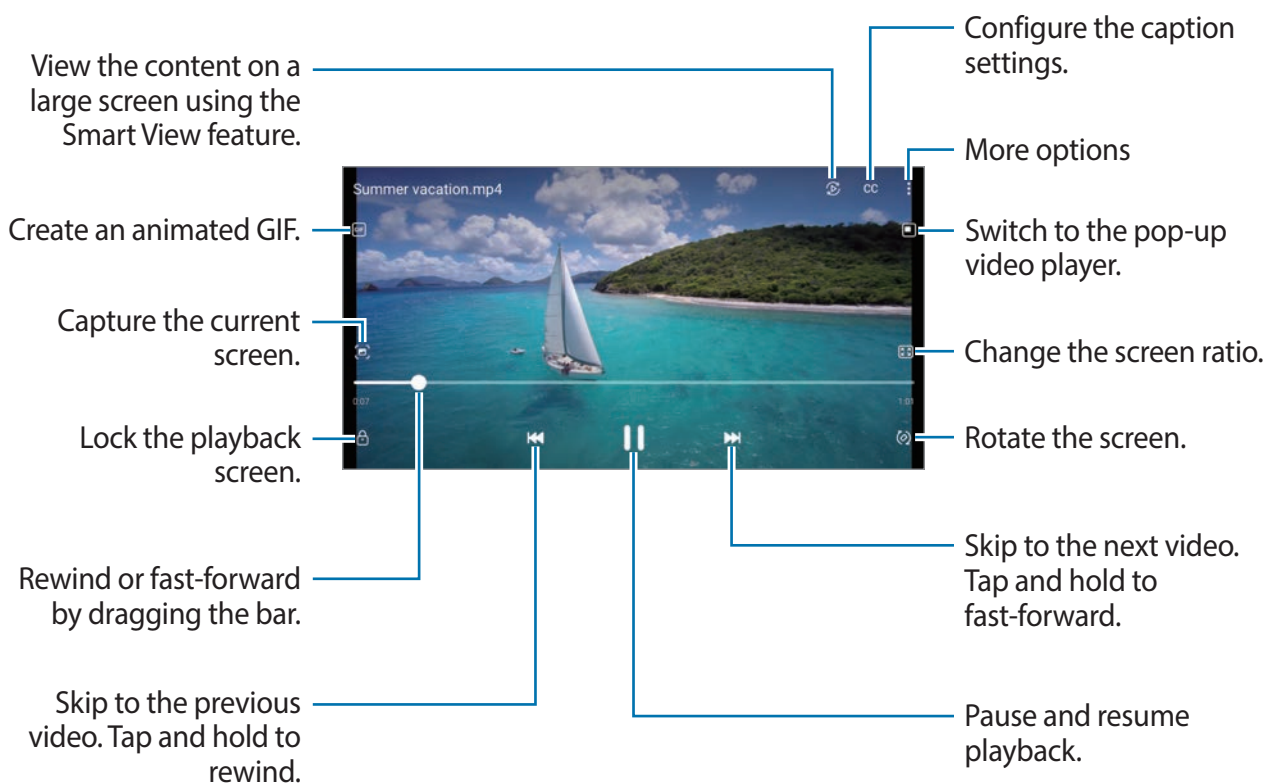
- 1 Launch the **Gallery** app and select an image.
- 2 Spread two fingers apart on the area you want to save and tap . The cropped area will be saved as a file.



Viewing videos

Launch the **Gallery** app and select a video to play. To view other files, swipe to the left or right on the screen.

To use more options during playback, tap  → **Open in Video player**.



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.

Albums

Create albums and sort your images and videos.

- 1 Launch the **Gallery** app and tap **Albums** →  → **Create album** to create an album.
- 2 Select the album, tap **Add items**, and then copy or move the images or videos you want.

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.

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

To add or delete images or videos, select a story and tap  → **Add** or **Edit**.

Syncing images and videos

Launch the **Gallery** app, tap  → **Settings** → **Sync with OneDrive**, and then follow the on-screen instructions to complete the sync. The **Gallery** app and the cloud will be synced.

When your **Gallery** app is synced with the cloud, pictures and videos you take will also be saved in the cloud. You can view images and videos saved in the cloud in your **Gallery** app and from other devices.



When you connect your Samsung account and Microsoft account, you can set the cloud storage as Microsoft OneDrive.

Deleting images or videos

Launch the **Gallery** app, tap and hold an image, a video, or a story to delete, and then tap **Delete**.

Using the recycle bin feature

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

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

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

AR Zone

Introduction

AR Zone provides you AR related features. Choose a feature and capture fun pictures or videos.

Launching AR Zone

Use the following methods to launch AR Zone:

- Launch the **AR Zone** app.
- Launch the **Camera** app and tap **MORE** → **AR ZONE**.



Some features may not be available depending on the service provider or model.

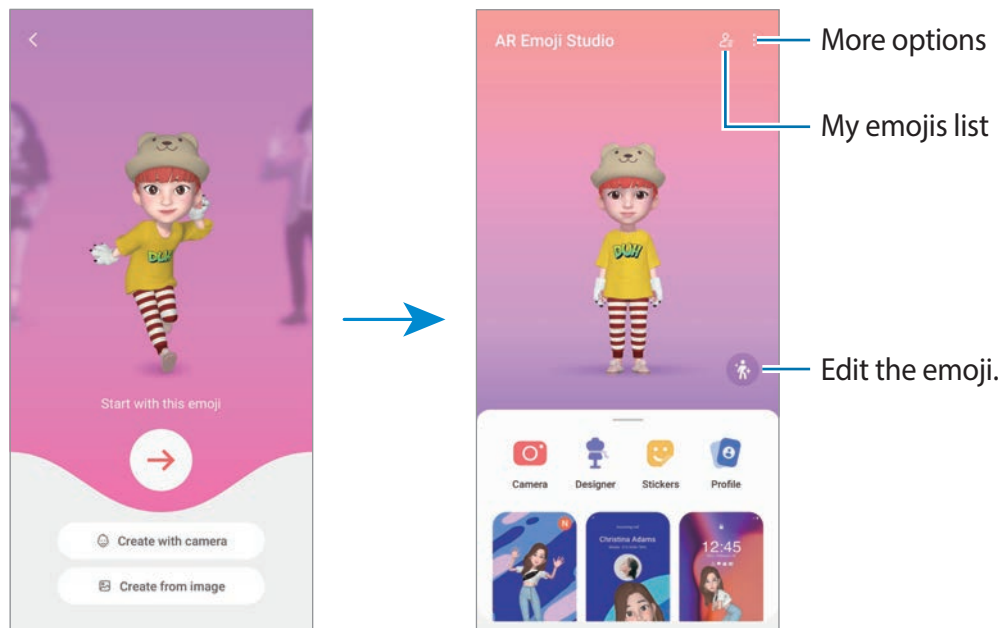
AR Emoji Studio

Create emojis any way you want and have fun using them in various features.

Creating an AR Emoji

- 1 Launch the **AR Zone** app and tap **AR Emoji Studio**.
- 2 You can pick a pre-made emoji to get started quickly. Swipe to the left or right, select an emoji, and then tap ➔.
If you want to make your own emoji, take a selfie or select an image.

3 Follow the on-screen instructions to create an emoji.



Selecting an AR emoji to use

Launch the **AR Zone** app, tap **AR Emoji Studio** → , and then select an emoji you want.

Deleting AR emojis

Launch the **AR Zone** app, tap **AR Emoji Studio** →  → , tick emojis to delete, and then tap **Delete**.

Creating an AR emoji short video and decorating your device with it

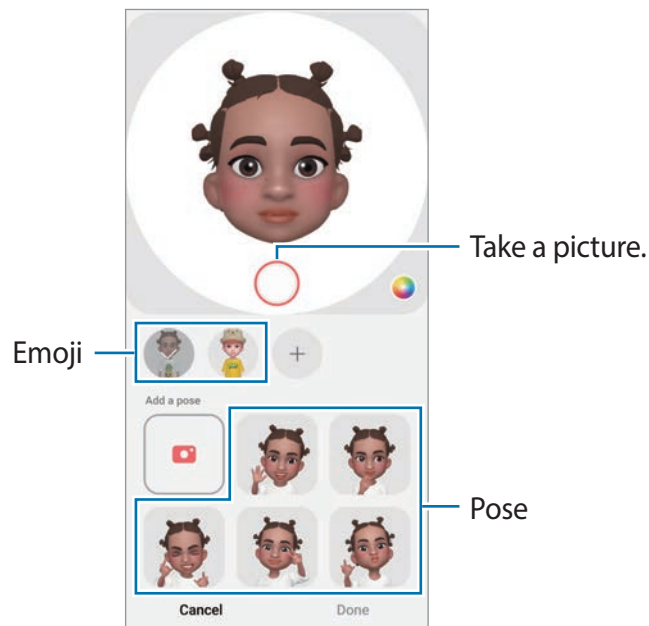
You can create a short video with an emoji and use it as a wallpaper or call background image.

- 1 Launch the **AR Zone** app and tap **AR Emoji Studio**.
- 2 Select **Create video**, **Call screen**, or **Lock screen**.
- 3 Select a template you want.
To change the background image, tap .
- 4 Tap **Save** to save the video.
You can view the saved videos in **Gallery**.
- 5 To use the video directly, select an option at the bottom of the screen.

Creating your contact profile with an AR emoji

Use an emoji as your profile picture for your Samsung account and in the **Contacts** app. You can choose from various poses or create your own expressions.

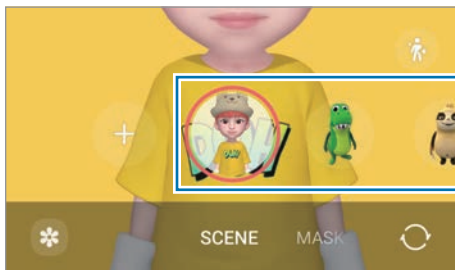
- 1 Launch the **AR Zone** app and tap **AR Emoji Studio**.
- 2 Tap **Profile** and select an emoji.
- 3 Tap  to capture your expression or select a pose you want.
- 4 Tap **Done** → **Save**.



AR Emoji Camera

Create fun pictures or videos with emojis using various shooting modes.

- 1 Launch the **AR Zone** app and tap **AR Emoji Camera**.
- 2 Select the emoji and the mode you want to use. The available modes may vary depending on the emoji you select.
 - **SCENE**: The emoji mimics your expressions. You can also change the background image.
 - **MASK**: The emoji's face appears over your face so it looks like you are wearing a mask.
 - **MIRROR**: The emoji mimics your body movements.
 - **PLAY**: The emoji moves on a real background.



- 3 Tap the emoji icon to take a picture, or tap and hold the icon to record a video.
You can view and share the pictures and videos that you have captured in **Gallery**.

AR Emoji Stickers

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

Creating your own stickers

- 1 Launch the **AR Zone** app and tap **AR Emoji Stickers**.
- 2 Tap **+** at the top of the stickers list.
- 3 Edit stickers how you want and tap **Save**.
You can view the stickers you have created by tapping **Custom**.

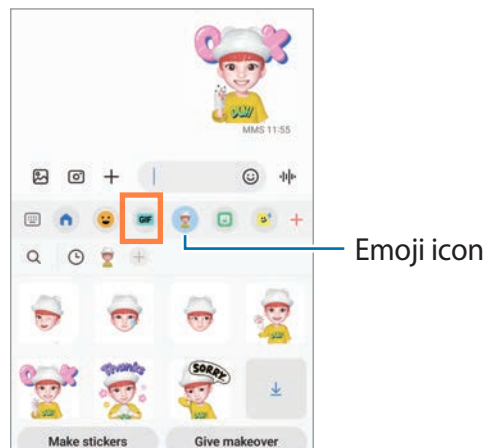
Deleting AR emoji stickers

Launch the **AR Zone** app and tap **AR Emoji Stickers** → **:** → **Delete stickers**. Select the emoji stickers to delete and tap **Delete**.

Using your AR emoji stickers in chats

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

- 1 While composing a message in the **Messages** app, tap 😊 on the Samsung keyboard.
- 2 Tap the emoji icon.
- 3 Select one of your emoji stickers.
The emoji sticker will be inserted.



AR Doodle

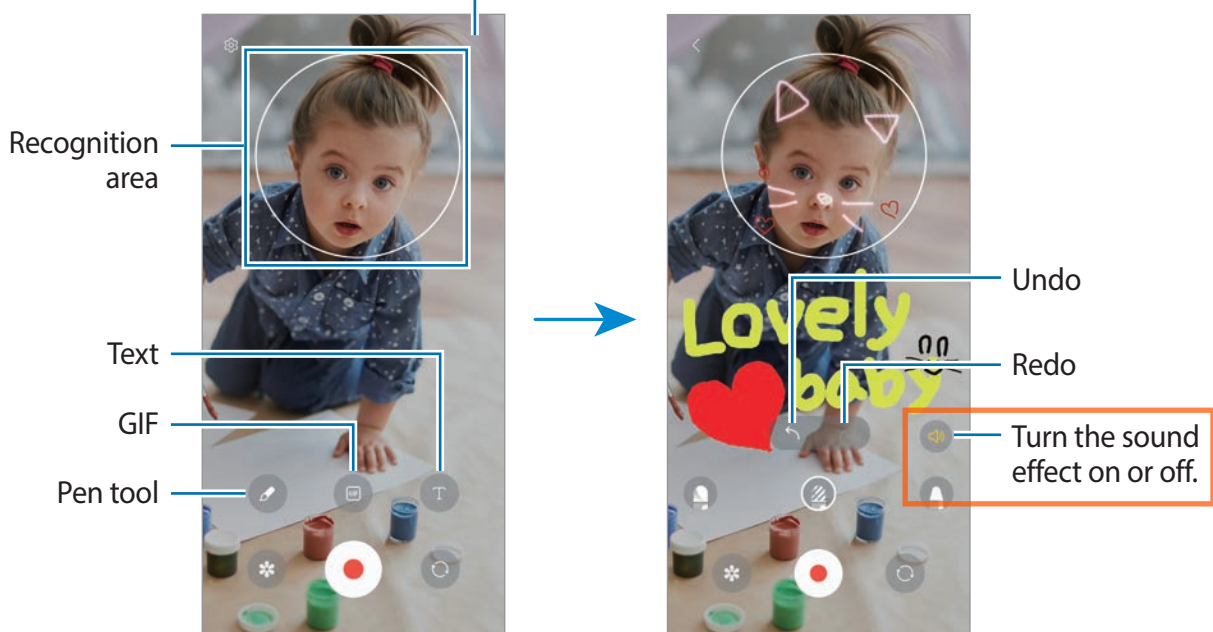
Record fun videos with virtual handwriting or drawings on people or pets' (cat and dogs) faces or anywhere else. When the camera recognises a face or space, the doodles on the face will follow the face as it moves, and the doodles in the space will be fixed in the same place even if the camera moves.

- 1 Launch the **AR Zone** app and tap **AR Doodle**.

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

- 2 Tap  and write or draw in the recognition area.
 - If you switch to the rear camera, you can also write or draw outside the recognition area.
 - If you tap  and then begin to doodle, you can record yourself doodling.

Delete doodle.



- 3 Tap  to record a video.
- 4 Tap  to stop recording the video.

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

 The available features on the preview screen may vary depending on which camera is being used.

Deco Pic

Capture pictures or videos with various stickers.

Launch the **AR Zone** app and tap **Deco Pic**.

Bixby Vision

Introduction

Bixby Vision is a service that provides various features based on image recognition. You can use Bixby Vision to quickly search for information by recognising objects. Use a variety of useful Bixby Vision features.



- This feature may not be available or you may not get correct search results depending on the image size, format, or resolution.

• Samsung is not responsible for the product information provided by Bixby Vision.

Launching Bixby Vision

Launch Bixby Vision using one of these methods.

- In the **Camera** app, tap **MORE** on the shooting modes list and tap **BIXBY VISION**.
- In the **Gallery** app, select an image and tap .
- In the **Internet** app, tap and hold an image and tap **Search with Bixby Vision**.
- If you added the Bixby Vision app icon to the Apps screen, launch the **Bixby Vision** app.

Using Bixby Vision

1 Launch Bixby Vision.

2 Select a feature you want to use.

- : Recognise text from documents or images and translate it.
- : Recognise text from documents or images and extract it.
- : Search for images similar to the recognised object online and related information.

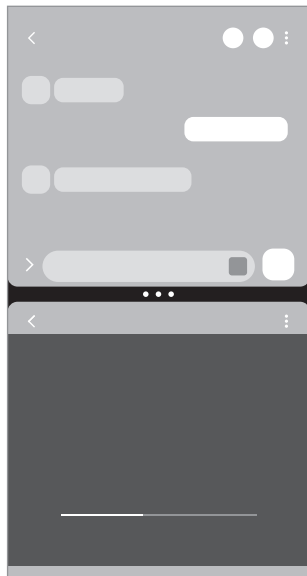


The available features and search results may vary depending on the region or service provider.

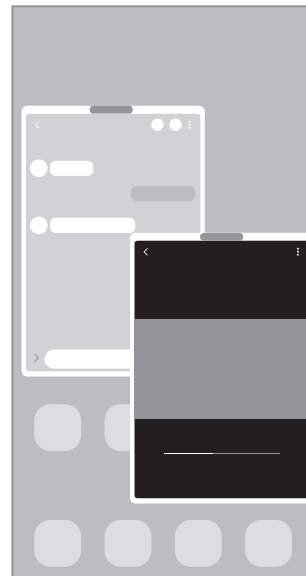
Multi window

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.



Split screen view



Pop-up view



Some apps may not support this feature.

Split screen view

- 1 Tap the Recents button to open the list of recently used apps.
- 2 Swipe to the left or right, tap an app's icon, and then tap **Open in split screen view**.
- 3 On the apps list, select another app to launch.

Launching apps from the Edge panel

- 1 While using an app, drag the Edge panel handle towards the centre of the screen.
- 2 Tap and hold an app, drag it to the left, and then drop it where **Drop here to open** appears.

The selected app will launch in the split screen view.

-  You can set to launch an app in the split screen view by tapping it once. Tap  → **Edit** →  and tap **Tap** under **Open in split screen view**. If you tap the **Show recent apps** switch to activate it, you can launch the recently used apps in the split screen view from the Edge panel.

Adding app pairs

Add frequently used apps to the Edge panel to launch them together in the split screen view with a single tap.

- 1 In the split screen view, tap the circles between the app windows.
- 2 Tap .

The apps you are using in the split screen view will be saved on the Edge panel as an app pair.

Adjusting the window size

Drag the circles between the app windows to adjust the size of the windows.

When you drag the circles between the app windows to the edge of the screen, the window will be maximised.