

SAMSUNG

SM-G8750

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.**

Maintaining water and dust resistance

Your device supports water- and dust-resistance. Follow these tips carefully to maintain the water- and dust-resistance of your device. Failure to do so may result in damage to your device.

- Do not immerse the device in fresh water deeper than 1.5 m or keep it submerged for more than 30 minutes. If you immerse the device in any liquid other than fresh water, such as salt water, ionised water, or alcoholic beverage, liquid will enter the device faster.
- Do not expose the device to **water moving with force**.
- If the device is exposed to fresh water, dry it thoroughly with a clean, soft cloth. If the device is exposed to other liquids, such as salt water, ionised water, or alcoholic beverage, rinse it with fresh water and dry it thoroughly with a clean, soft cloth. If you do not follow these instructions, the device's performance and appearance may be affected.
- **If the device has been immersed in water or the microphone or speaker is wet**, sound may not be heard clearly during a call. After wiping the device with a dry cloth, dry it thoroughly before using it.
- The touchscreen and other features may not work properly **if the device is used in water**.
- **If the device is dropped or receives an impact**, the water- and dust-resistant features of the device may be damaged.
- **Your device has been tested in a controlled environment and certified to be water- and dust-resistant in specific situations (meets requirements of classification IP68 as described by the international standard IEC 60529-Degrees of Protection provided by Enclosures [IP Code]; test conditions: 15-35 °C, 86-106 kPa, fresh water, 1.5 metre, 30 minutes). Despite this classification, it is still possible for your device to be damaged in certain situations.**

Instructional icons



Warning: situations that could cause injury to yourself or others



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



Notice: notes, usage tips, or additional information

Device overheating situations and solutions

When the device heats up while charging the battery

While charging, the device and the charger may become hot. During wireless charging or 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.
- When using a wireless charger, do not place foreign materials, such as metal objects, magnets, and magnetic stripe cards, between the device and the wireless charger.



The wireless charging or 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

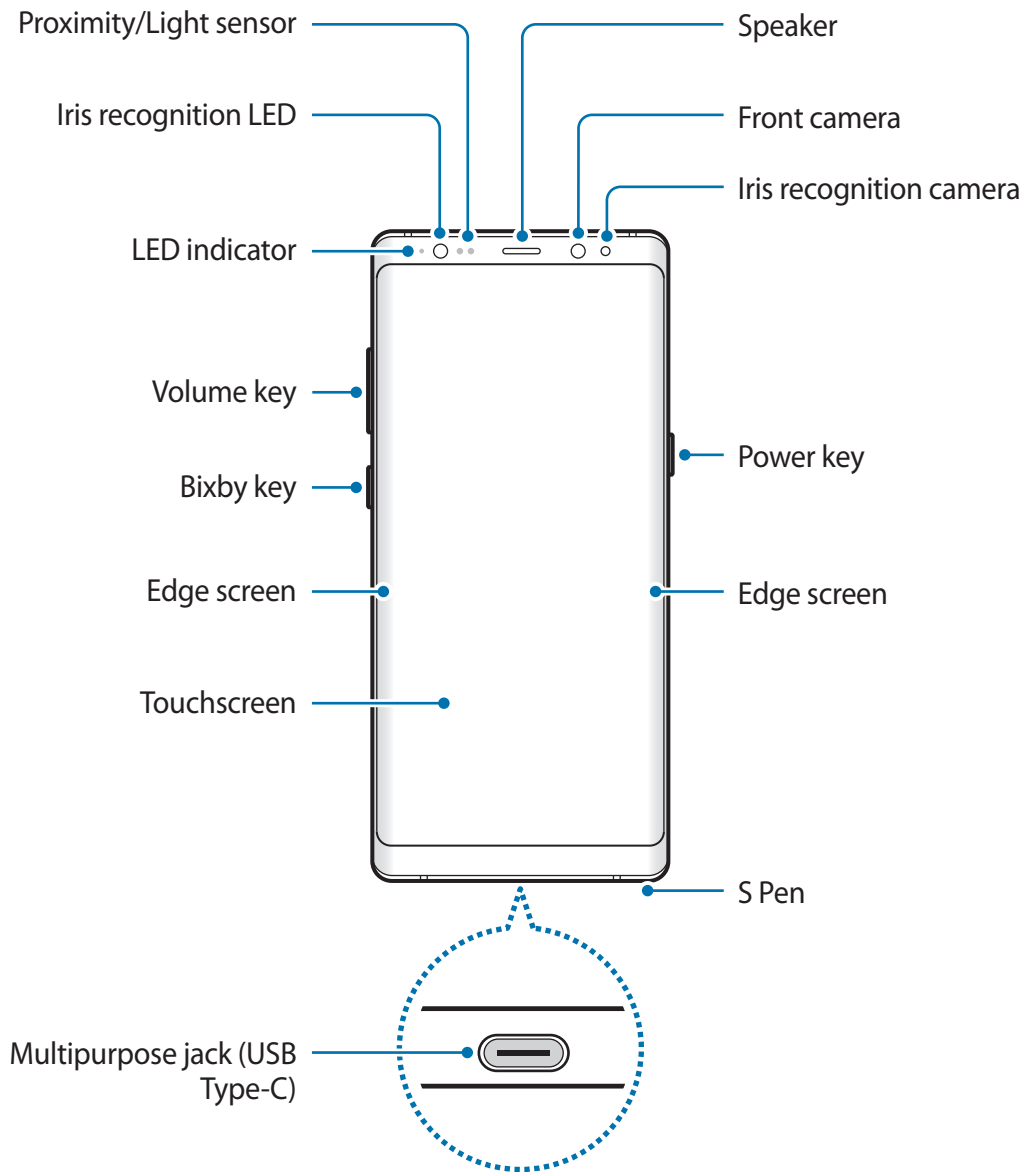
Package contents

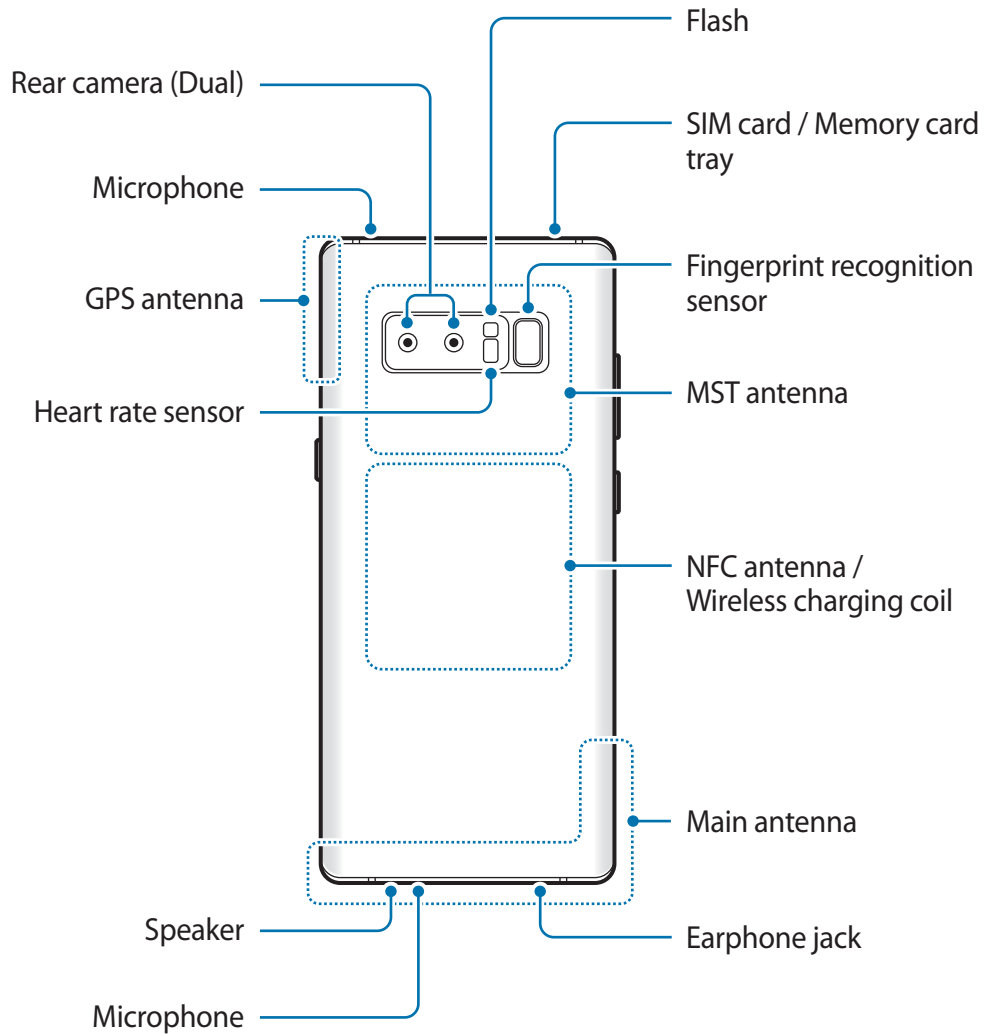
Refer to the quick start guide for package contents.



- 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.

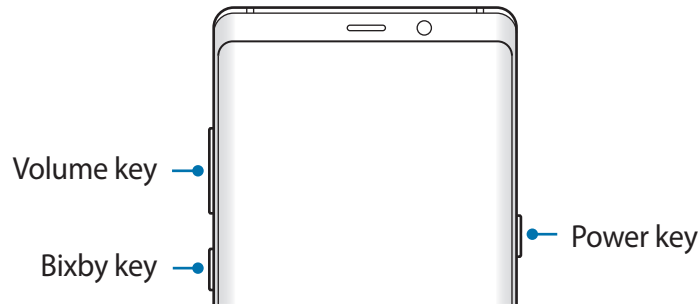
Device layout





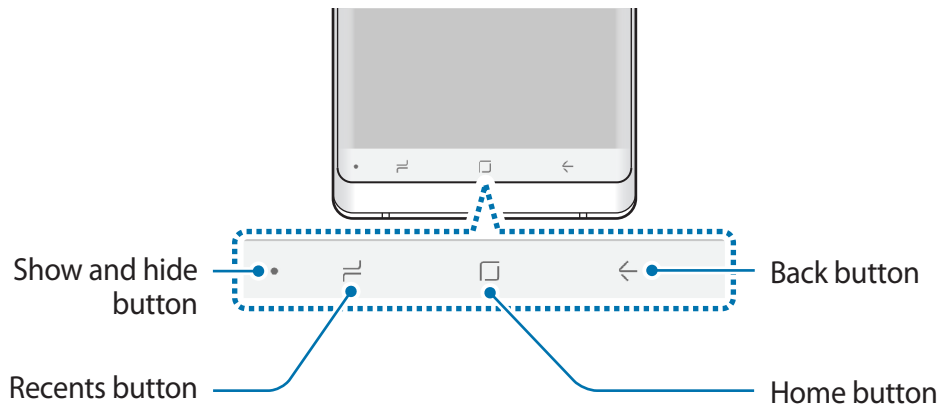
- Connectivity problems and battery drain may occur in the following situations:
 - If you attach metallic stickers on the antenna area of the device
 - If you attach a device cover made with metallic material to the device
 - If you cover the device's antenna area with your hands or other objects while 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.
- The colours on the Edge screen may look different depending on your viewing position.

Hard keys



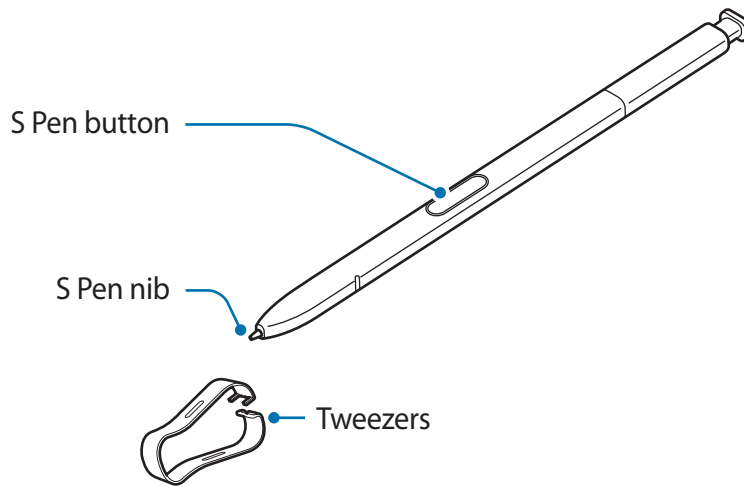
Key	Function
Power	<ul style="list-style-type: none"> • Press and hold to turn the device on or off. • Press to turn on or lock the screen.
Bixby	<ul style="list-style-type: none"> • Press to open Bixby Home. Refer to Bixby for more information. • Press and hold to launch Bixby Voice. Refer to Bixby Voice for more information.
Volume	<ul style="list-style-type: none"> • Press to adjust the device volume.

Soft buttons



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

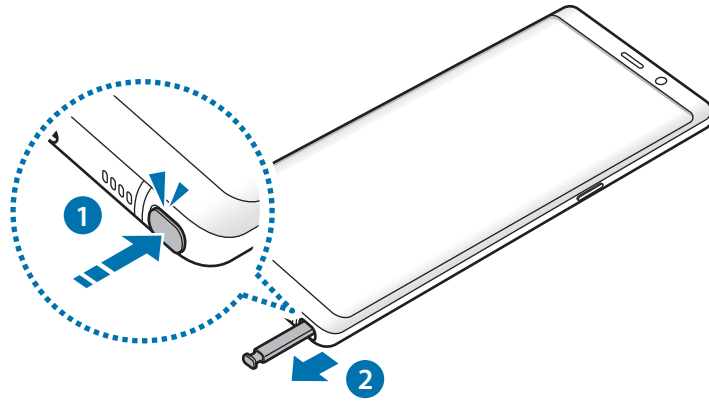
S Pen



Name	Functions
S Pen nib	<ul style="list-style-type: none"> • Use the S Pen to write, draw, or perform touch actions on the screen. • Hover the S Pen over items on the screen to access additional S Pen features, such as the Air view feature.
S Pen button	<ul style="list-style-type: none"> • Hover the S Pen over the screen and press the S Pen button to display the Air command features. • While pressing and holding the S Pen button, drag the S Pen over items to select them.
Tweezers	<ul style="list-style-type: none"> • Remove the S Pen nib with the tweezers when replacing the nib.

Detaching the S Pen

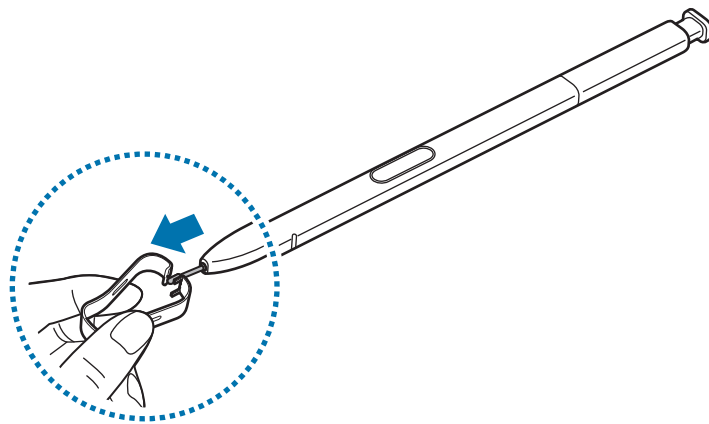
Press the end of the S Pen to disengage it. Then, pull the S Pen from the slot. To store the S Pen, reinsert it into the slot and push it until it clicks into place.



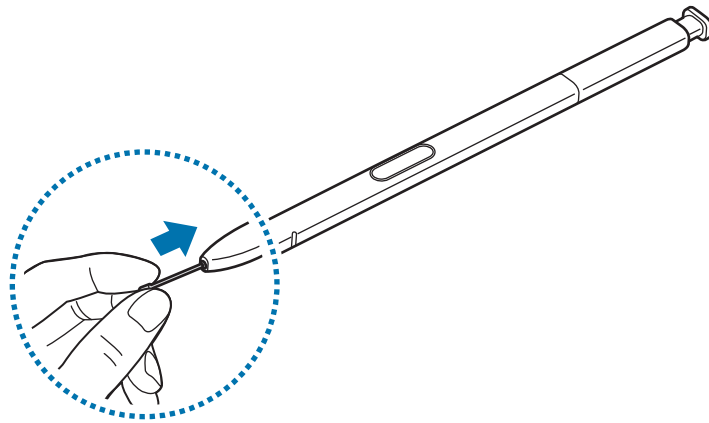
Replacing the S Pen nib

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

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



2 Insert a new nib into the S Pen.



Be careful not to pinch your fingers with the tweezers.



- Do not reuse old nibs. Doing so may cause the S Pen to malfunction.
- Do not press the nib excessively when inserting the nib into the S Pen.
- Do not insert the round end of the nib into the S Pen. Doing so may cause damage to the S Pen or your device.
- Do not bend or apply excessive pressure with the S Pen while using it. The S Pen may be damaged or the nib may be deformed.
- Do not hard press on the screen with the S Pen. The pen nib may be deformed.



- If you use the S Pen at sharp angles on the screen, the device may not recognise the S Pen actions.
- If water enters the S Pen slot, gently shake the device to remove the water from the slot before using it.
- For more information about the S Pen, visit the Samsung website.
- If the S Pen is not working properly, take it to a Samsung Service Centre.

Battery

Charging the battery

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



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

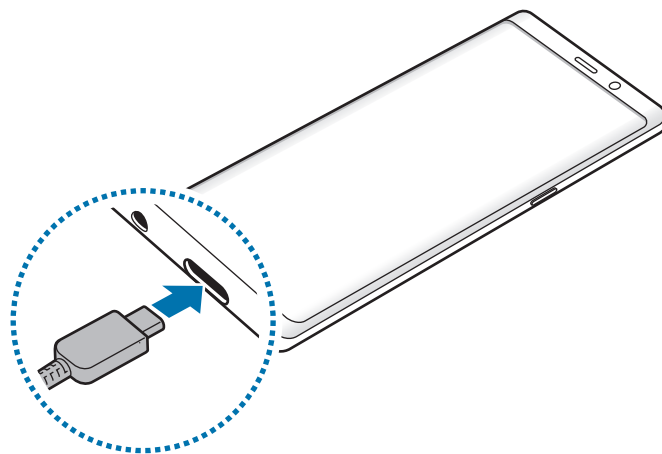


Connecting the charger improperly may cause serious damage to the device. Any damage caused by misuse is not covered by the warranty.



To save energy, unplug the charger when not in use. The charger does not have a power switch, so you must unplug the charger from the electric socket when not in use to avoid wasting power. The charger should remain close to the electric socket and easily accessible while charging.

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



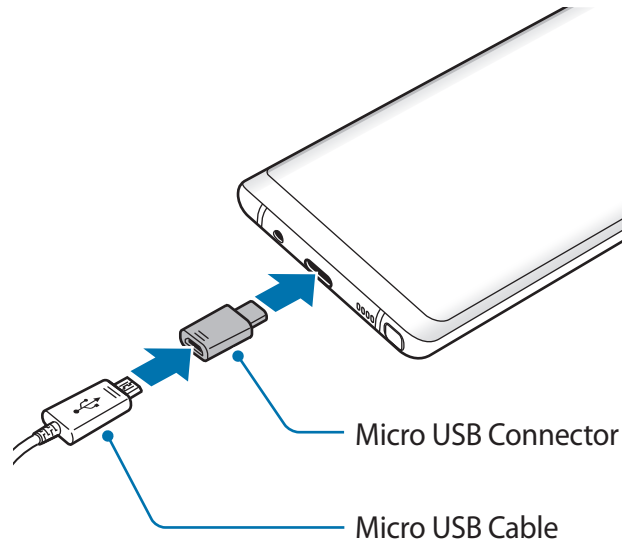
- 3 Plug the USB power adaptor into an electric socket.
- 4 After fully charging, disconnect the charger from the device. Then, unplug the charger from the electric socket.

Charging with a Micro USB cable

Connect the Micro USB connector to charge the battery with a Micro USB cable. Do not plug a Micro USB cable into your device's multipurpose jack. Doing so may damage the device.



The Micro USB connector is used for charging the battery and connecting to a computer via the Micro USB cable.

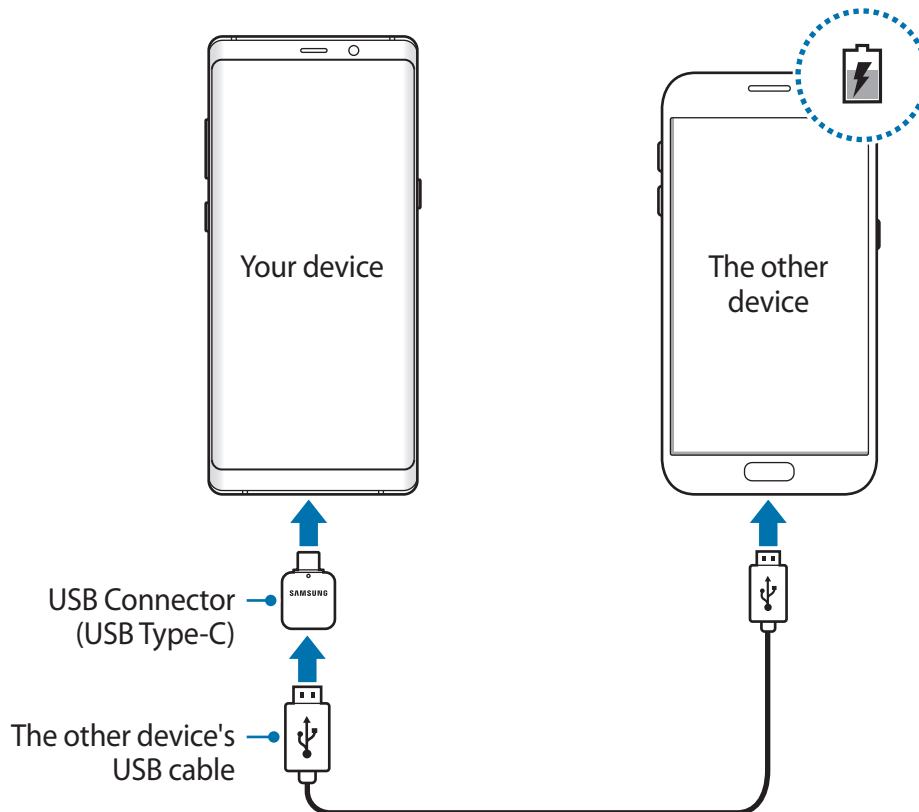


Charging other devices

Use the USB connector (USB Type-C) to charge another mobile device with your device's battery.

Plug the USB connector (USB Type-C) into your device's multipurpose jack, and connect your device and the other device via the other device's USB cable.

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 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, such as emails.
- Decrease the backlight time.
- Decrease the screen brightness.

Battery charging tips and precautions


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

Advanced charging

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

Increasing the charging speed

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

If the advanced charging feature is not activated, launch the **Settings** app, tap **General management** → **Battery** →  → **Advanced settings**, and then tap the **Advanced cable charging** switch to activate it.




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

Wireless charging

The device has a built-in wireless charging coil. You can charge the battery using a wireless charger (sold separately).

Advanced wireless charging

You can charge your device faster using the advanced wireless charging feature. To use this feature, you must use a charger and components that support the advanced wireless charging feature.

If the advanced wireless charging feature is not activated, launch the **Settings** app, tap **General management** → **Battery** →  → **Advanced settings**, and then tap the **Advanced wireless charging** switch to activate it.

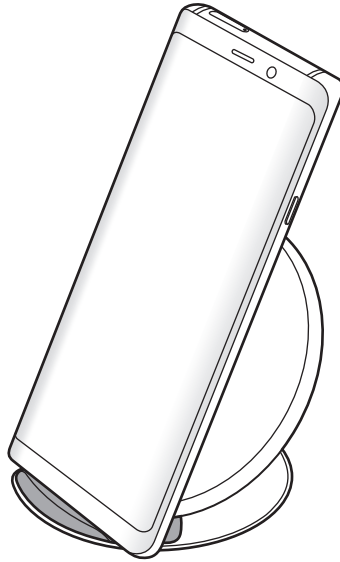


- The on/off option will be added in your device's settings menu when you first place it on the charger.
- A fan inside the charger may produce noise during advanced wireless charging.

Charging the battery

- 1 Place the centre of the device's back on the centre of the wireless charger.

The estimated charging time will appear on the screen. The actual charging time may vary depending on the charging conditions.



- 2 After fully charging, disconnect the device from the wireless charger.



Precautions for wireless charging

- Do not place the device on the wireless charger with a credit card or radio-frequency identification (RFID) card (such as a transportation card or a key card) placed between the back of the device and the device cover.
- Do not place the device on the wireless charger when conductive materials, such as metal objects and magnets, are placed between the device and the wireless charger.

The device may not charge properly or may overheat, or the device and the cards may be damaged.



- If you use the wireless charger in areas with weak network signals, you may lose network reception.
- Use Samsung-approved wireless chargers. If you use other wireless chargers, the battery may not charge properly.

SIM, USIM or UIM card (nano-SIM card)

Installing the SIM, USIM or UIM card

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

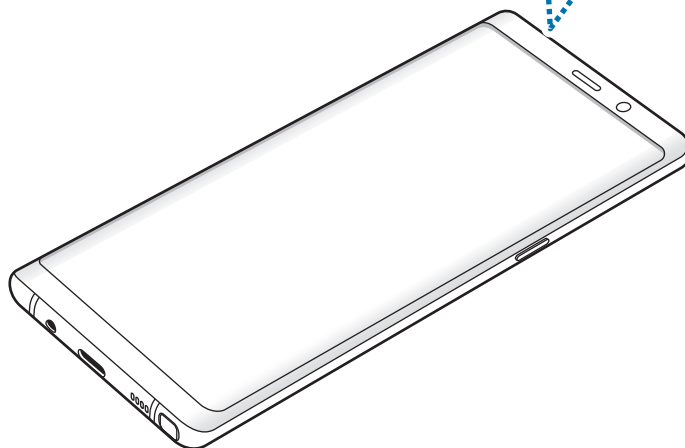
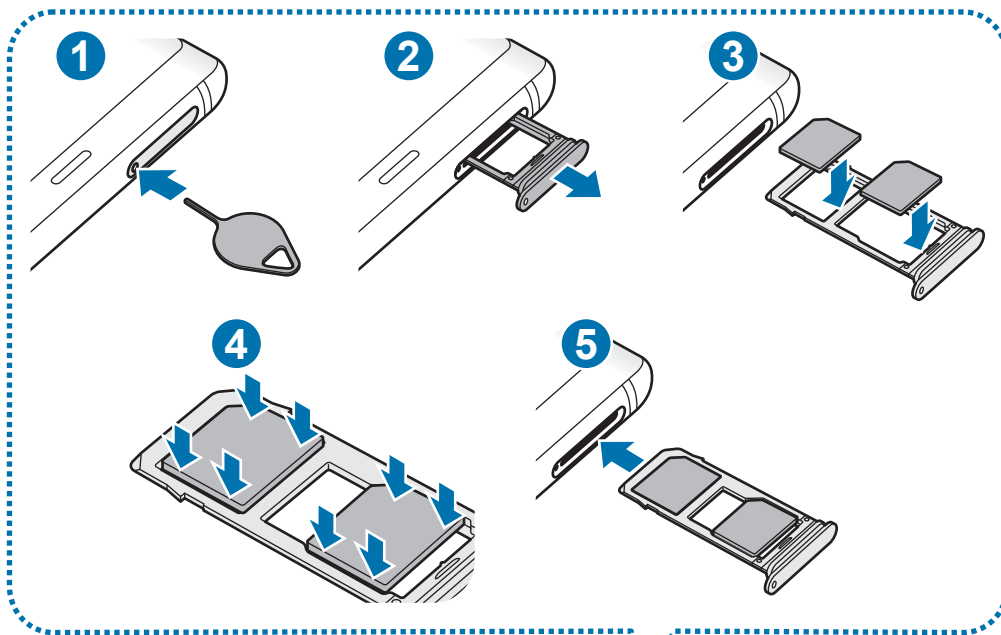
You can insert two SIM, USIM or UIM cards so you can have two phone numbers or service providers for a single device. In some areas, data transfer speeds may be slower if two SIM cards are inserted in the device than when one SIM card is inserted.




Use caution not to lose or let others use the SIM, USIM or UIM 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.

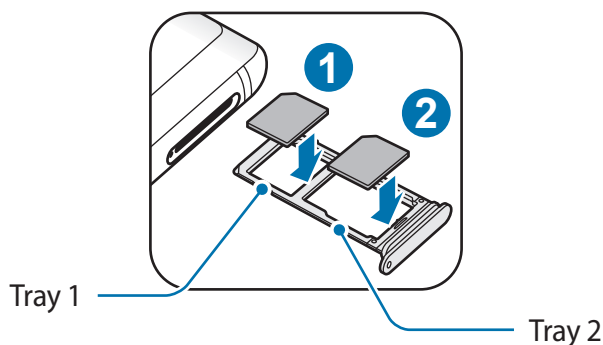


1 Insert the ejection pin into the hole on the tray to loosen the tray.

 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 SIM, USIM or UIM card on the tray with the gold-coloured contacts facing downwards. Place the primary SIM, USIM or UIM card on the tray 1 (1) and the secondary SIM, USIM or UIM card on the tray 2 (2).




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

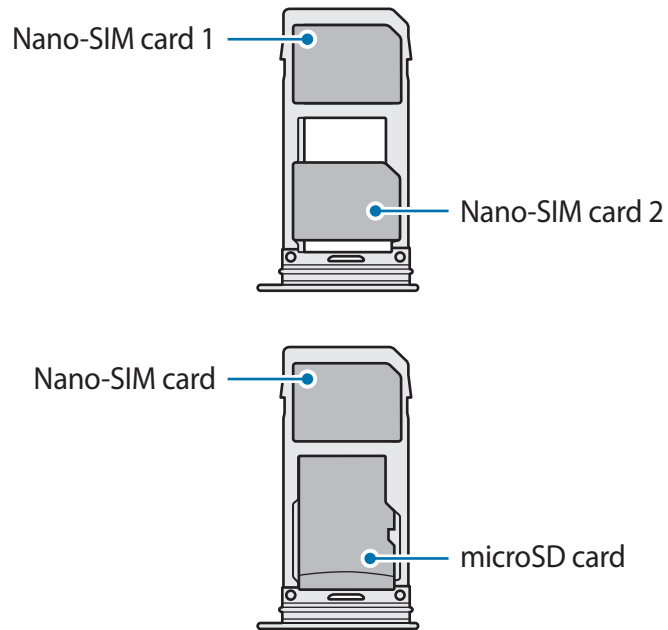
4 Gently press the SIM, USIM or UIM card into the tray to secure it.

 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 SIM, USIM or UIM 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 SIM, USIM or UIM card.
- 4 Insert the tray back into the tray slot.

Using dual SIM, USIM or UIM cards

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

Activating SIM, USIM or UIM cards

Launch the **Settings** app and tap **Connections** → **SIM card manager**. Select a SIM, USIM or UIM 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 SIM, USIM or UIM cards

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

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

Setting preferred SIM, USIM or UIM cards

When two cards are activated, you can assign voice calls, messaging, data services, and NFC payment 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 CARD**.

Memory card (microSD card)

Installing a memory card

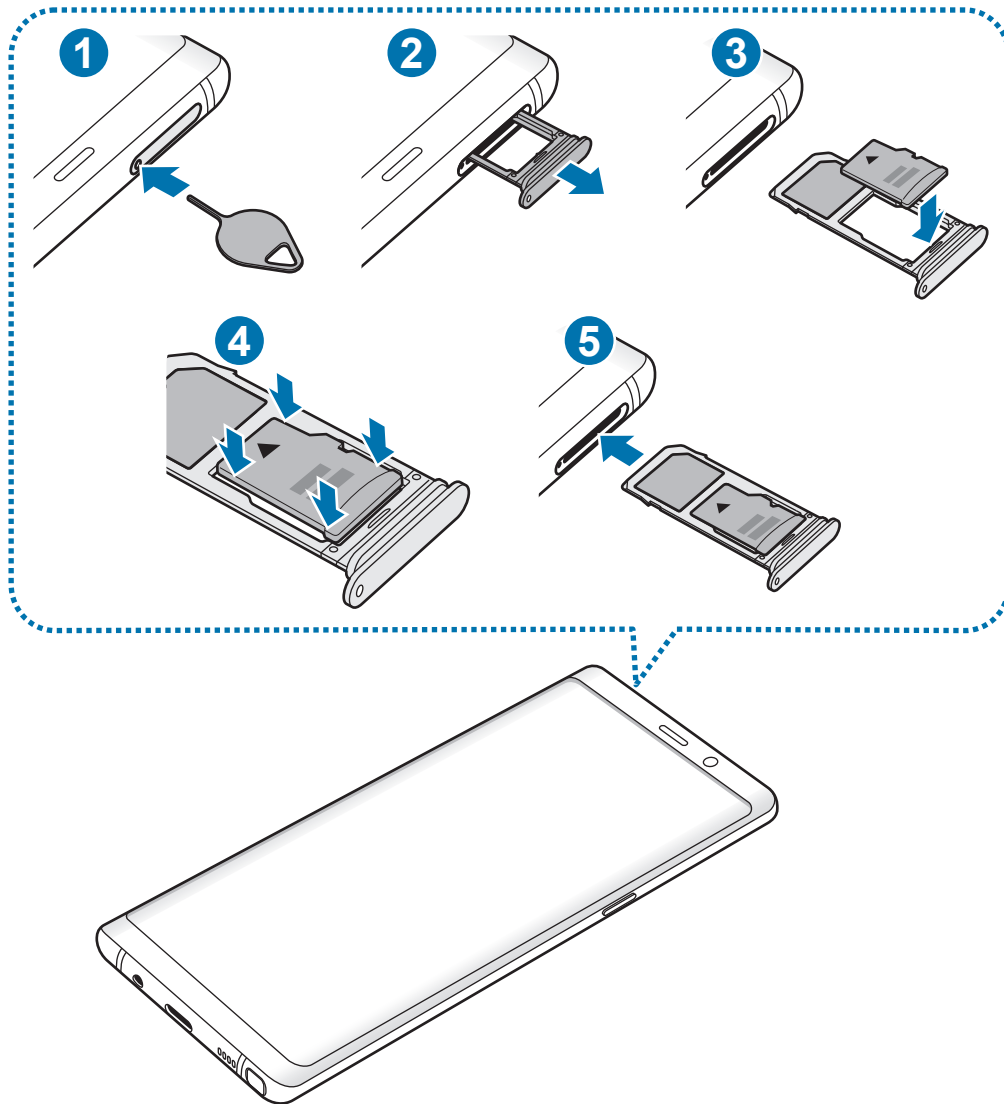
Your device's memory card capacity may vary from other models and some memory cards may not be compatible with your device depending on the memory card manufacturer and type. To view your device's maximum memory card capacity, refer to the Samsung website.



- 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.



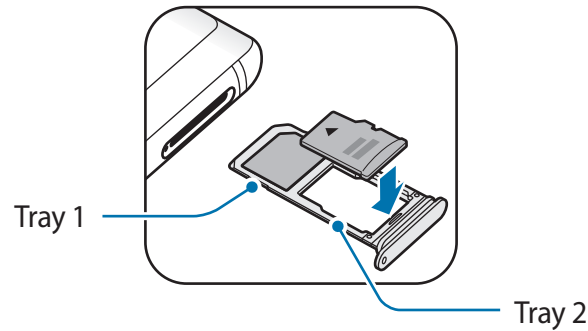
Ensure that the ejection pin is perpendicular to the hole. Otherwise, the device may be damaged.

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.

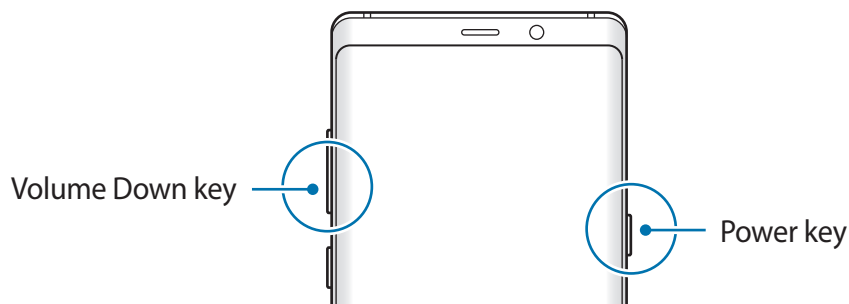
To turn off the device, press and hold the Power key, and then tap **Power off**.



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.



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.

Activating emergency mode

To activate emergency mode, press and hold the Power key, and then tap **Emergency mode**.



- Emergency calls cannot be made if a SIM, USIM or UIM card is not installed, your device cannot connect to a network, or no network is available.
- 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.

Deactivating emergency mode

To deactivate emergency mode, tap  → **Turn off Emergency mode**. Alternatively, press and hold the Power key, and then tap **Emergency mode**.

Initial setup

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



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

- 1 Turn on the device.

2 Select your preferred device language and select (→).



3 Activate or deactivate the mobile network and tap **NEXT**.



- To proceed with the initial setup, you must connect to a mobile or Wi-Fi network.
- You may incur additional charges when using a mobile network.

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

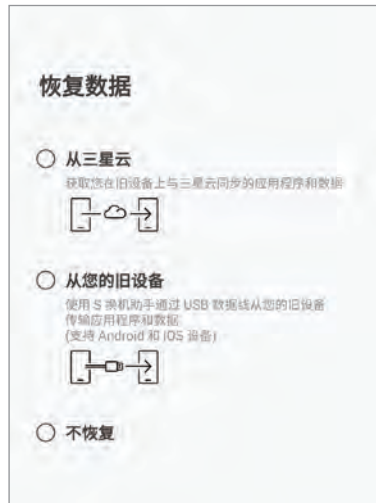
5 Read and agree to the terms and conditions, and tap **AGREE**.

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



- 7 Follow the on-screen instructions to proceed the initial setup.
- 8 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**.

- 9 Get your content from Samsung Cloud or a previous device. Refer to [Transferring data from your previous device](#) for more information.




- 10 Select features you want to use and complete the initial setup.
The Home screen will appear.

Samsung account

Introduction

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

Create your Samsung account with your email address.

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

Registering your Samsung account

Registering a new Samsung account

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

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

Registering an existing Samsung account

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

- 1 Launch the **Settings** app and tap **Cloud and accounts** → **Accounts** → **Add account**.
- 2 Tap **Samsung account** → **SIGN IN**.

3 Enter your email address and password, and then tap **SIGN IN**.

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

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 **Cloud and accounts** → **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 transfer content, such as images, contacts, and messages, from your previous device via Smart Switch (wirelessly or using a USB connector (USB Type-C)) or from a backup of your data via Samsung Cloud.



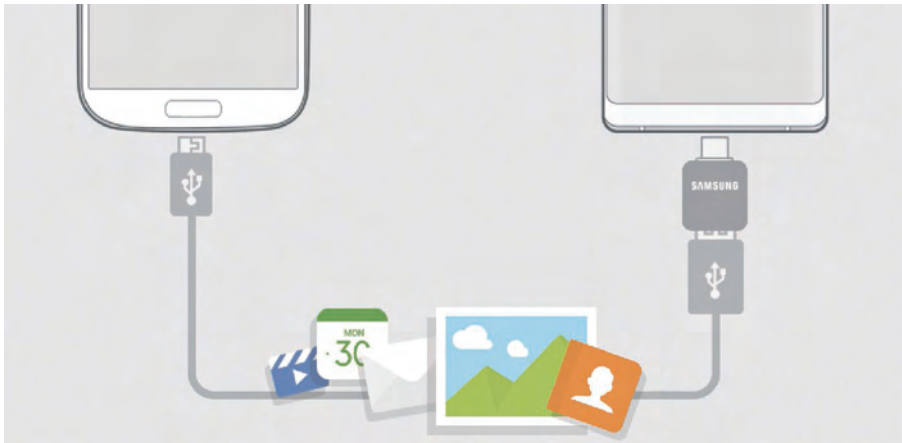
- This feature may not be supported on some devices or computers.
- Limitations apply. Visit www.samsung.com/cn/smartswitch for details. Samsung takes copyright seriously. Only transfer content that you own or have the right to transfer.

Smart Switch

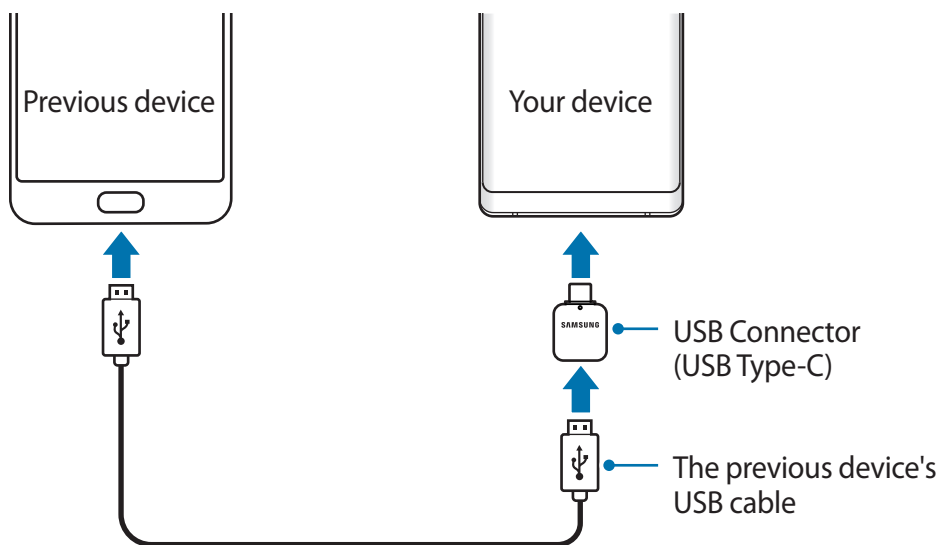
Transfer data between mobile devices via Smart Switch. To use Smart Switch, launch the **Settings** app and tap **Cloud and accounts** → **Smart Switch**. If you do not have the app, download it from **Galaxy Apps**.

Transferring data using a USB connector (USB Type-C)

You can connect your previous device to your device with the USB connector (USB Type-C) and a USB cable to easily and quickly transfer data.



- 1 Plug the USB connector (USB Type-C) into the multipurpose jack of your device.
- 2 Connect your device and the previous device using the previous device's USB cable.




3 When the app selection pop-up window appears, tap **Smart Switch** → **RECEIVE**.


4 In the previous device, tap **ALLOW**.

If you do not have the app, download it from **Galaxy Apps**.

Your device will recognise the previous device and a list of data you can transfer will appear.

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

 Do not disconnect the USB cable or USB connector (USB Type-C) 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 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**.

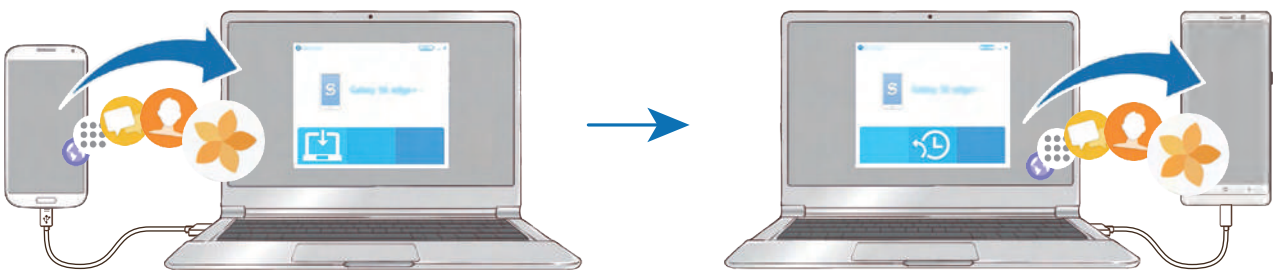
2 On your device, launch the **Settings** app and tap **Cloud and accounts** → **Smart Switch**.


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

Viewing imported data

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

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

Samsung Cloud

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



Backing up data

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

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




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

Restoring data

- 1 On your new device, launch the **Settings** app and tap **Cloud and accounts** → **Samsung Cloud**.
- 2 Select your previous device under **BACKUP AND RESTORE** and tap **Restore data**.
- 3 Tick the data types you want to restore and tap **RESTORE**.

Syncing data

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

- 1 On your new device, launch the **Settings** app and tap **Cloud and accounts** → **Samsung Cloud**.
- 2 Tap  → **Settings** → **Sync settings**.
- 3 Tap the switches next to the items you want to sync with.

Checking data

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

- You can immediately check your used memory and saved items, such as **GALLERY** 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



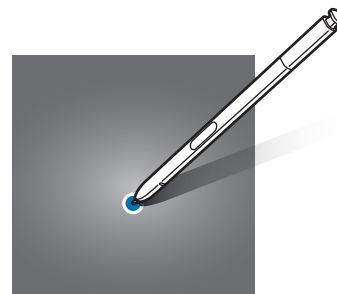
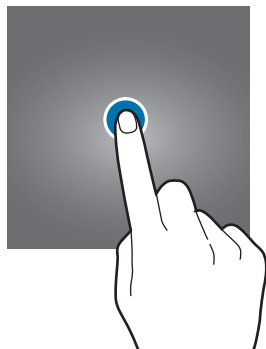
- Do not allow the touchscreen to come into contact with other electrical devices. Electrostatic discharges can cause the touchscreen to malfunction.
- To avoid damaging the touchscreen, do not tap it with anything sharp or apply excessive pressure to it with your fingertips.
- Leaving the touchscreen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

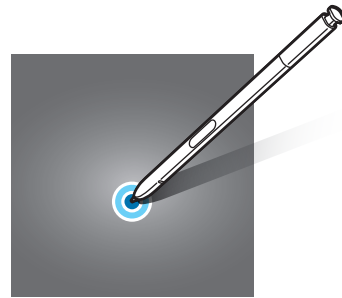
Tapping

Tap the screen.



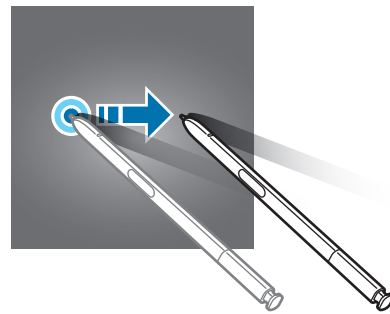
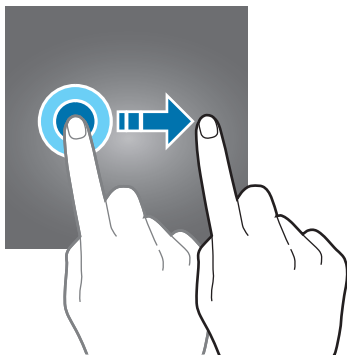
Tapping and holding

Tap and hold the screen for approximately 2 seconds.



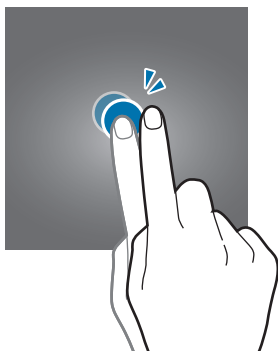
Dragging

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



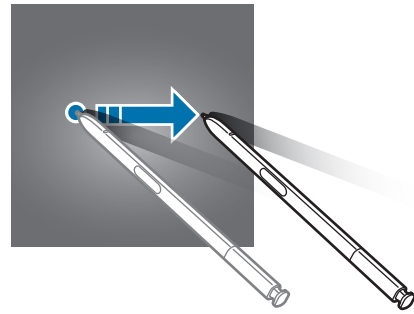
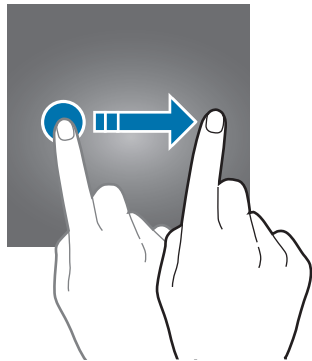
Double-tapping

Double-tap the screen.



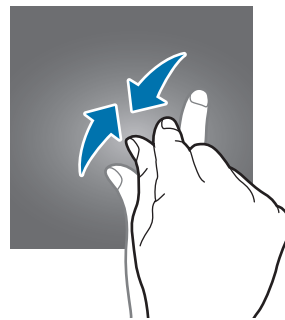
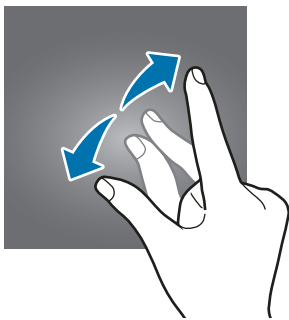
Swiping

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



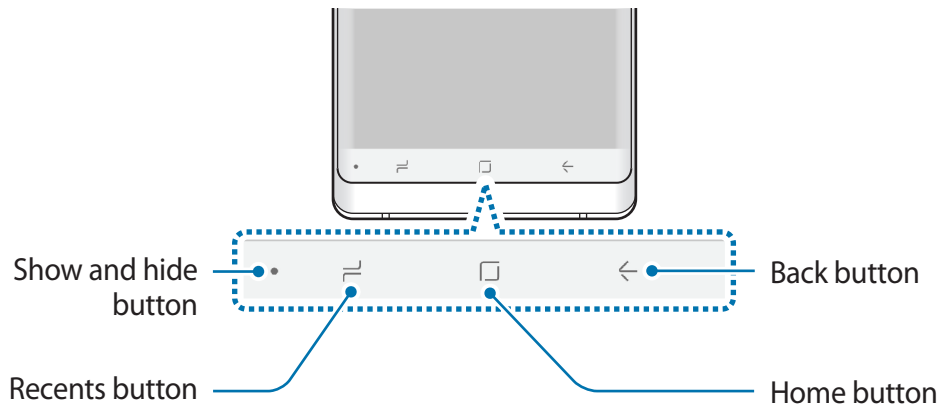
Spreading and pinching

Spread two fingers apart or pinch on the screen.



Navigation bar (soft buttons)

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



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

Displaying or hiding the navigation bar

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

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

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

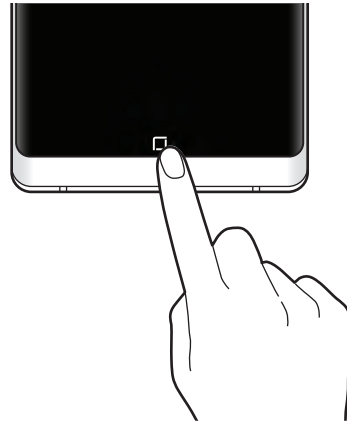


- On certain screens, such as the Home screen, the navigation bar will always be displayed and the Show and hide button will not appear.
- Even after you pin the navigation bar, it can be hidden while using some apps or features, such as a video player.

Turning on the screen using the Home button

Hard press the Home button or the Home button area to turn on the screen.

On the Always On Display, you can also turn on the screen by double-tapping the Home button.



Do not hard press the Home button or the Home button area with the S Pen. The pen nib may be deformed.

Setting the navigation bar

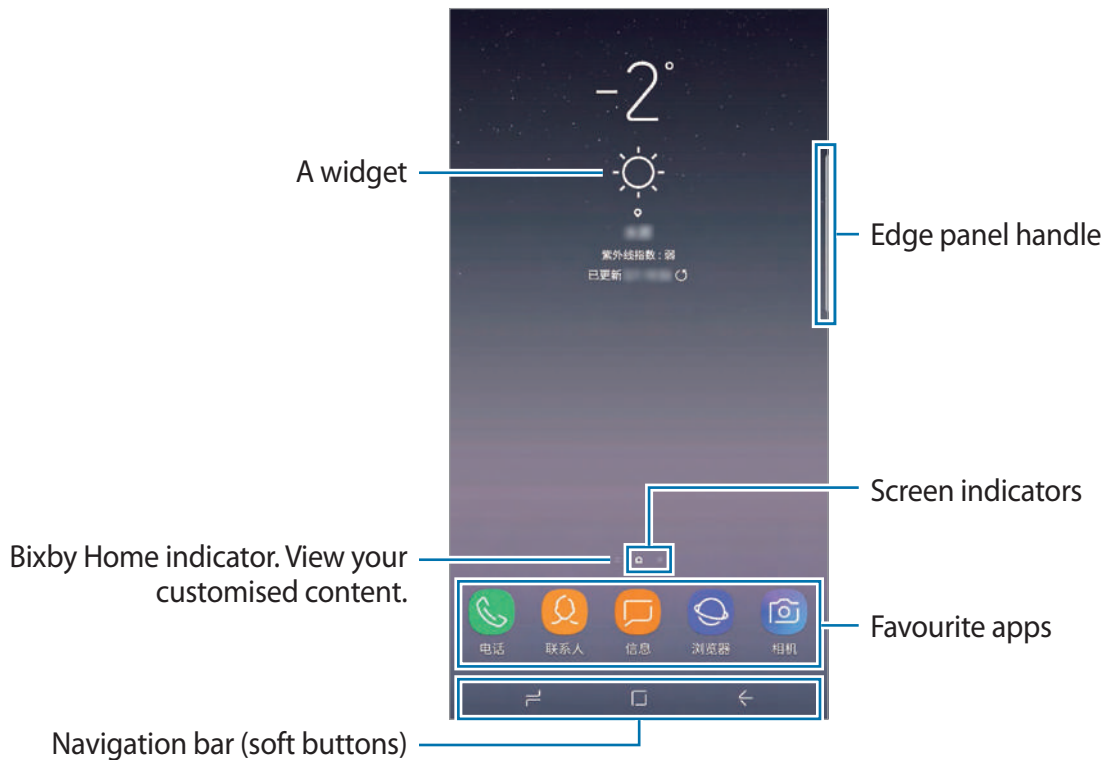
Launch the **Settings** app, tap **Display** → **Navigation bar**, and then select an option.

- **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.
- **Hard press Home button:** Set the device to return to the Home screen when you hard press the Home button. You can also adjust the amount of pressure needed to use the Home button when hard pressing it.
- **Unlock with Home button:** Set the device to unlock the screen without swiping on the locked screen when you hard press the Home button. This feature is available when **Hard press Home button** is activated.
- **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.

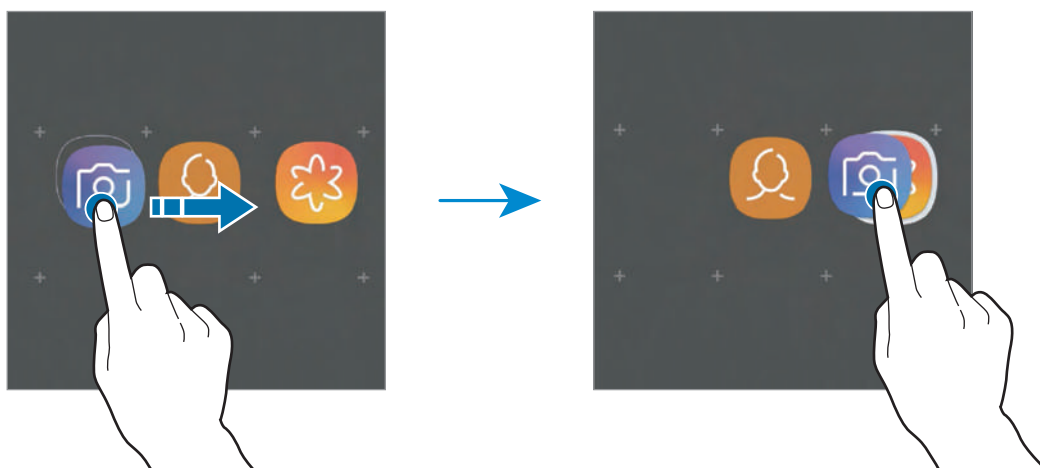
Creating folders

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.



- **Adding more apps**

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

- **Moving apps from a folder**


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

- **Deleting a folder**

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



- **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

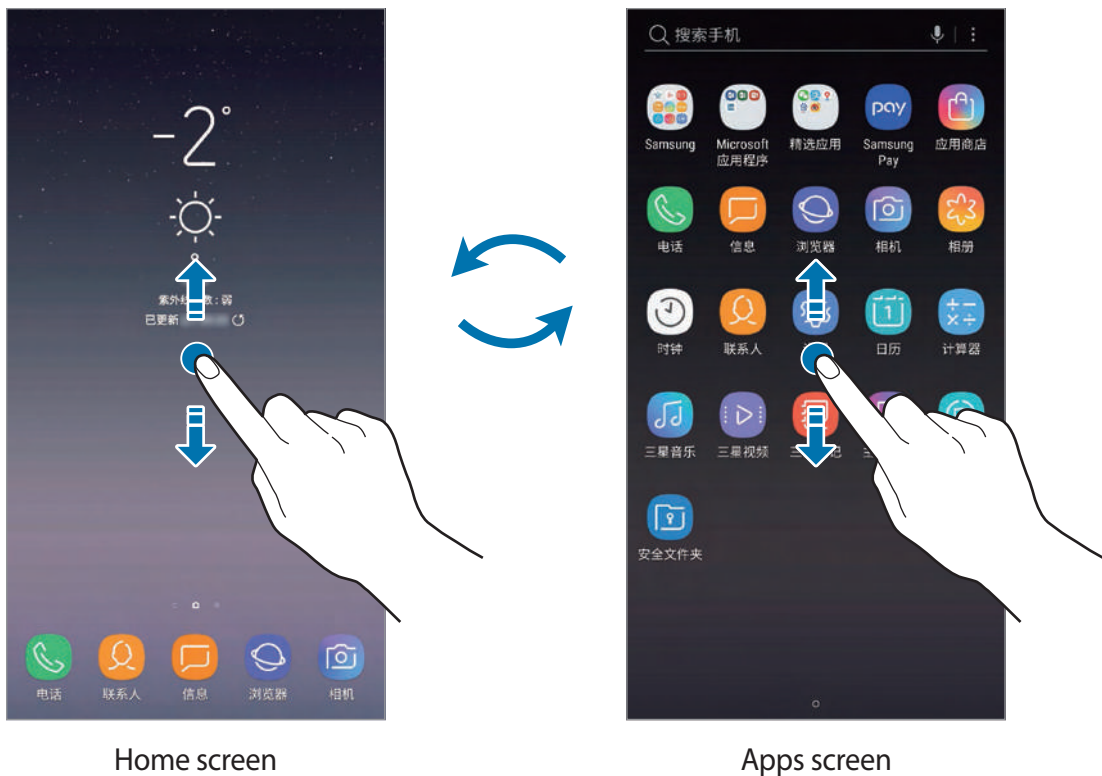
You can set to use separate Apps screen. The Apps screen will display icons for all apps, including newly installed apps. The Home screen will display shortcuts to apps and widgets.

On the Home screen, tap and hold an empty area, and then tap **Home screen settings** → **Home screen layout** → **Home and Apps screens** → **APPLY**.

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.



Home screen

Apps screen

If you add the Apps button on the Home screen, you can open the Apps screen by tapping the button. On the Home screen, tap and hold an empty area and tap **Home screen settings** → **Apps button** → **Show Apps button** → **APPLY**. The Apps button will be added at the bottom of the Home screen.



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)
	Preferred SIM, USIM or UIM card for calls
	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 or hard press the Home button or the Home button area 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 and security** → **Screen lock type**, and then select a method.

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



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

Screen capture

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

Capturing a screenshot

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

- **Key capture:** Press and hold the Volume Down key and the Power key simultaneously.
- **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.
- **Air command capture:** Detach the S Pen from the slot to open the Air command panel, and then tap **Screen write**. Refer to [Screen write](#) for more information.



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

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



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

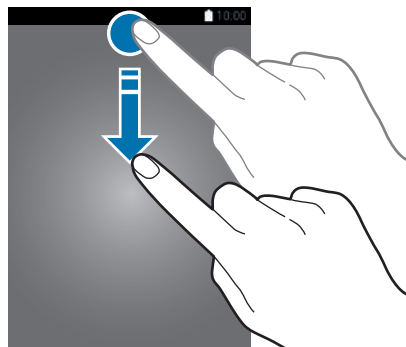


If the options are not visible on the captured screen, launch the **Settings** app, tap **Advanced features**, and then tap the **Smart capture** switch to activate it.

Notification panel

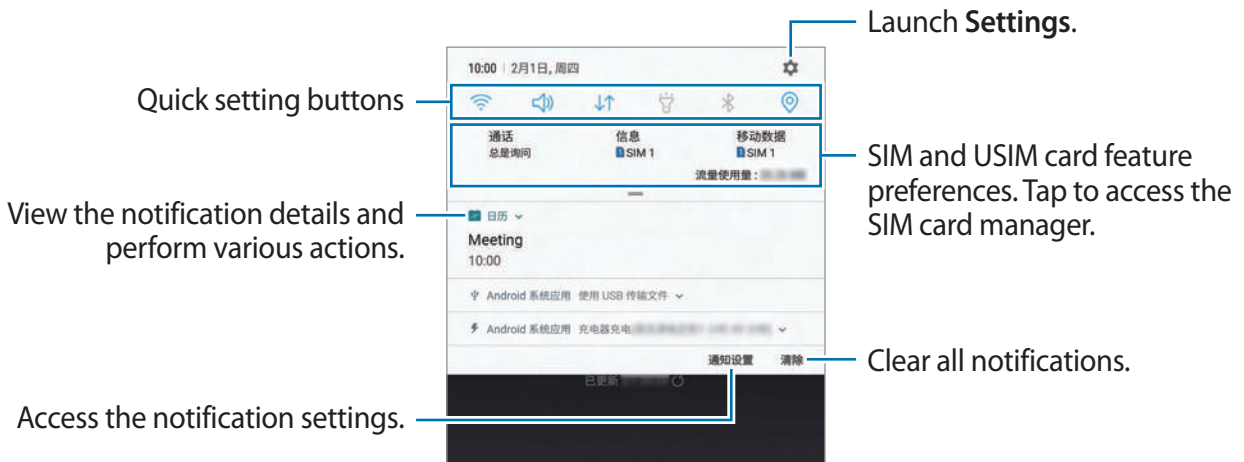
When you receive new notifications, such as messages or missed calls, indicator icons appear on the status bar. To see more information about the icons, open the notification panel and view the details.

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.

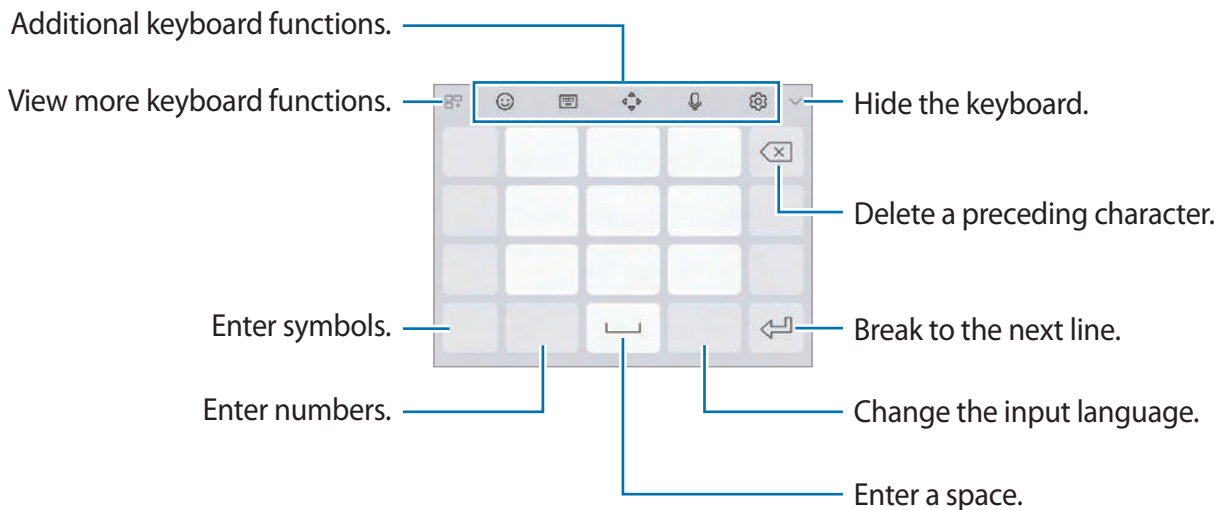
Entering text

Keyboard layout


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



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



Changing the input language

Tap the input language key to switch between the input languages. Tap  → **Languages and types** → **MANAGE INPUT LANGUAGES**, and then select the languages to use.









Changing the keyboard layout

Tap  → **Languages and types**, select a language, and then select a keyboard layout to use.














- On **Pinyin 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 emoticons.
- 😊 → (^_^) : Enter kaomojis.
- 😊 →  : Attach animated GIFs.
- 😊 →  : Attach stickers.
-  → **PY. QWERTY**: Switch to qwerty pinyin mode.
-  → **PINYIN 3 x 4**: Switch to 3x4 pinyin mode. To enter a character, tap the corresponding key repeatedly until the desired character appears.
-  → **SHUANGPIN**: Switch to shuangpin mode. To view the character input map, tap  → **Chinese input options** → **ShuangPin keyboard**.
-  → **STROKE**: Switch to stroke mode. Tap stroke keys to enter a character. Tap 通 when you are unsure about which stroke to enter.
-  → **HALF-SCREEN HANDWRITING** or **FULL-SCREEN HANDWRITING**: Switch to handwriting mode.



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






-  → **WUBI**: Switch to wubi mode.
-  : Open the text editing panel.
-  : Enter text by voice.
-  : Change the keyboard settings.
-  →  : Create a live message. Instead of a text message, record your actions while handwriting or drawing a message and save it as an animated file. Refer to [Live message](#) for more information.
-  →  : Add an item from the clipboard.
-  →  : Change the keyboard for one-handed operation.

Copying and pasting

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

Dictionary

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

- 1 Tap and hold over a word that you want to look up.
If the word you want to look up is not selected, drag  or  to select the desired text.
- 2 Tap **More** → **Dictionary** on the options list.
If a dictionary is not preinstalled on the device, tap **Move to Manage dictionaries** →  next to a dictionary to download it.
- 3 View the definition in the dictionary pop-up window.
To switch to the full screen view, tap . Tap the definition on the screen to view more definitions. In the detailed view, tap  to add the word to your favourite words list or tap **Search Web** to use the word as a search term.

Apps and features

Installing or uninstalling apps

Galaxy Apps

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

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 and using app sleep mode

Tap and hold an app and select an option.

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

Enabling apps

Launch the **Settings** app, tap **Apps** → ▼ → **Disabled**, select an app, and then tap **ENABLE**.

Setting app permissions

For some apps to operate properly, they may need permission to access or use information on your device. When you open an app, a pop-up window may appear and request access to certain features or information. Tap **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.

S Pen features

Air command

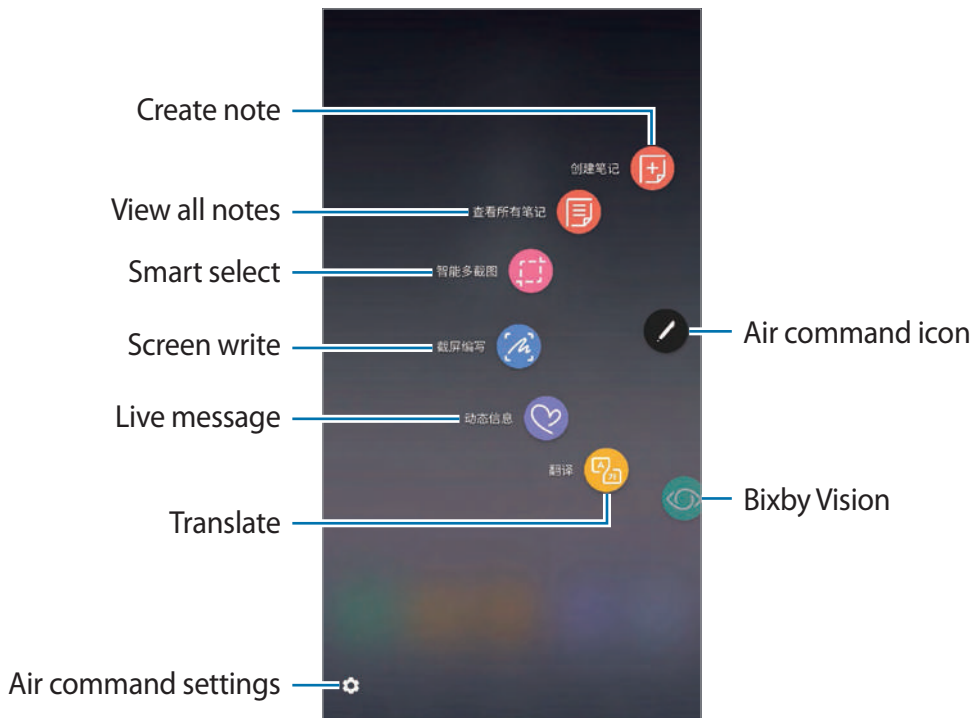
Air command is a menu that provides S Pen features and quick access to frequently used apps.

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

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




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



Adding shortcuts to the Air command panel

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

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

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

S Pen features

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

- **Create note:** Create notes easily in a pop-up window without launching the **Samsung Notes** app. Refer to [Create note](#) for more information.
- **View all notes:** View all notes in the **Samsung Notes** app.
- **Smart select:** Use the S Pen to select an area and perform actions, such as sharing or saving. Refer to [Smart select](#) for more information.
- **Screen write:** Capture screenshots to write or draw on them or crop an area from the captured image. You can also capture the current content and the hidden content on an elongated page, such as a webpage. Refer to [Screen write](#) for more information.
- **Live message:** Instead of text message, create and send a unique message by recording your actions while handwriting or drawing a live message and saving it as an animated file. Refer to [Live message](#) for more information.
- **Translate:** Hover the S Pen over a word to translate it. Refer to [Translate](#) for more information.
- **Bixby Vision:** Use the Bixby Vision features to search for similar images, locations, or wine information or detect and translate text. Refer to [Bixby Vision](#) for more information.
- **Magnify:** Hover the S Pen over an area of the screen to enlarge it. Refer to [Magnify](#) for more information.
- **Glance:** Reduce an app to a thumbnail and hover the S Pen over the thumbnail to open the app in full screen view. Refer to [Glance](#) for more information.
- **Add shortcuts:** Add shortcuts to frequently used apps to the Air command panel.

Air command icon

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

To move the icon, drag  to a new location.

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

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

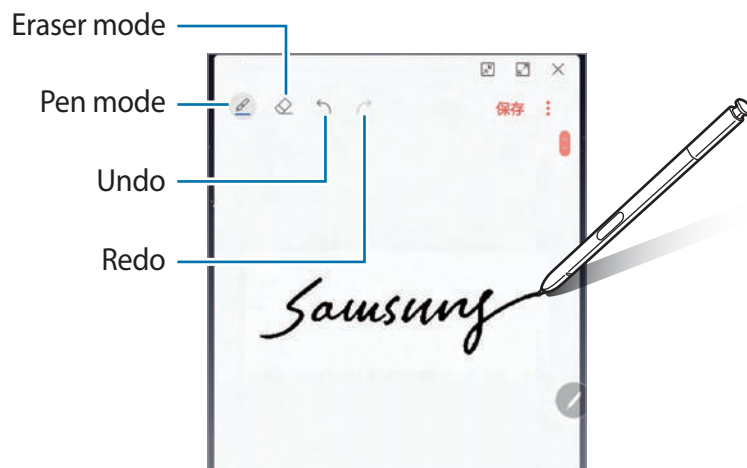
Create note

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

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

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

- 2 Create a note using the S Pen.



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

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

Smart select

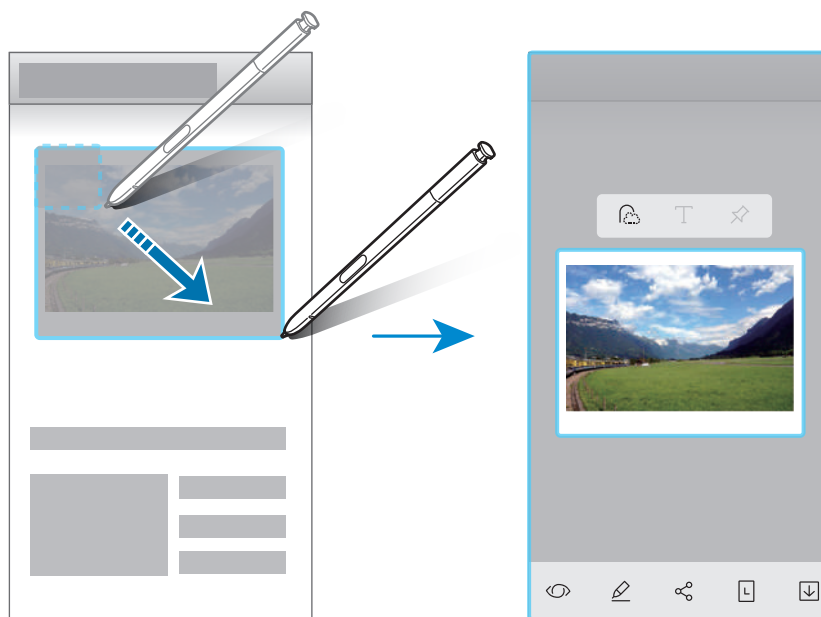
Use the S Pen to select an area and perform actions, such as sharing or saving. You can also select an area from a video and capture it as a GIF animation.

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

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

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

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

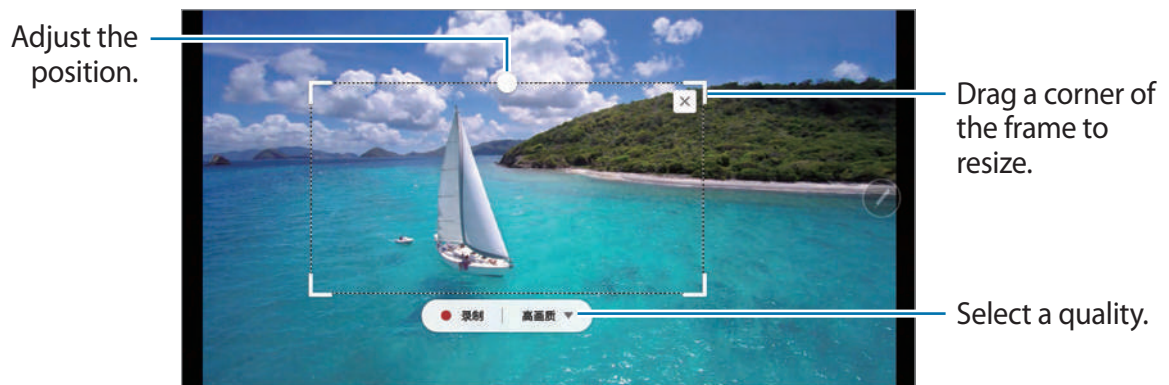


- 3 Select an option to use with the selected area.
 - **Bixby Vision:** Recognise content using Bixby Vision and search for relevant information.
 - **Draw:** Write or draw on the selected area.
 - **Share:** Share the selected area with others.
 - **Set as:** Set the selected area to be displayed on the Always On Display.
 - **Save:** Save the selected area in **Gallery**.

Capturing an area from a video

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

- 1 When there is content you want to capture during video playback, open the Air command panel and tap **Smart select**.
- 2 On the toolbar, tap **Animation**.
- 3 Adjust the position and size of the capturing area.



- 4 Tap **RECORD** to start capturing.



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

- 5 Tap **STOP** to stop capturing.

- 6 Select an option to use with the selected area.

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

Screen write

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



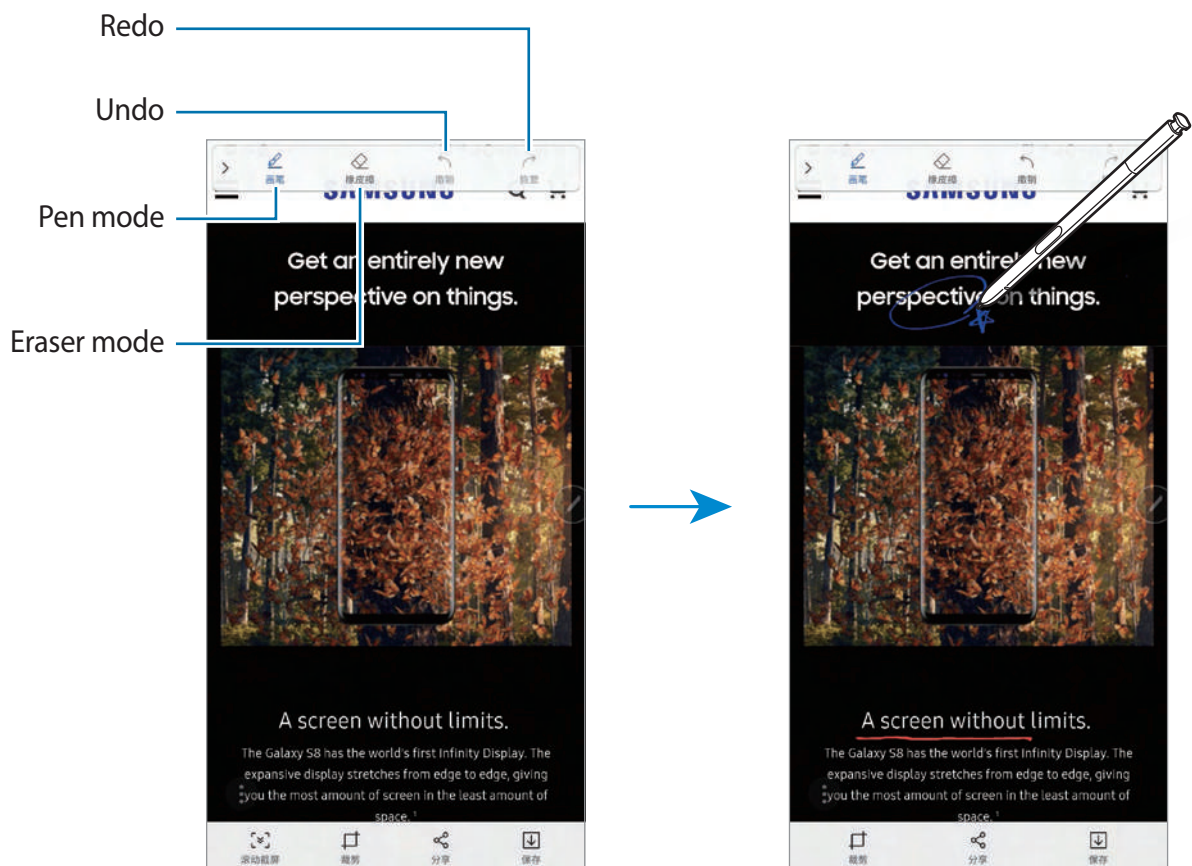
It is not possible to capture a screenshot while using some apps.

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

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

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

- 3 Write a memo on the screenshot.




4 Select an option to use with the screenshot.

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




Live message

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

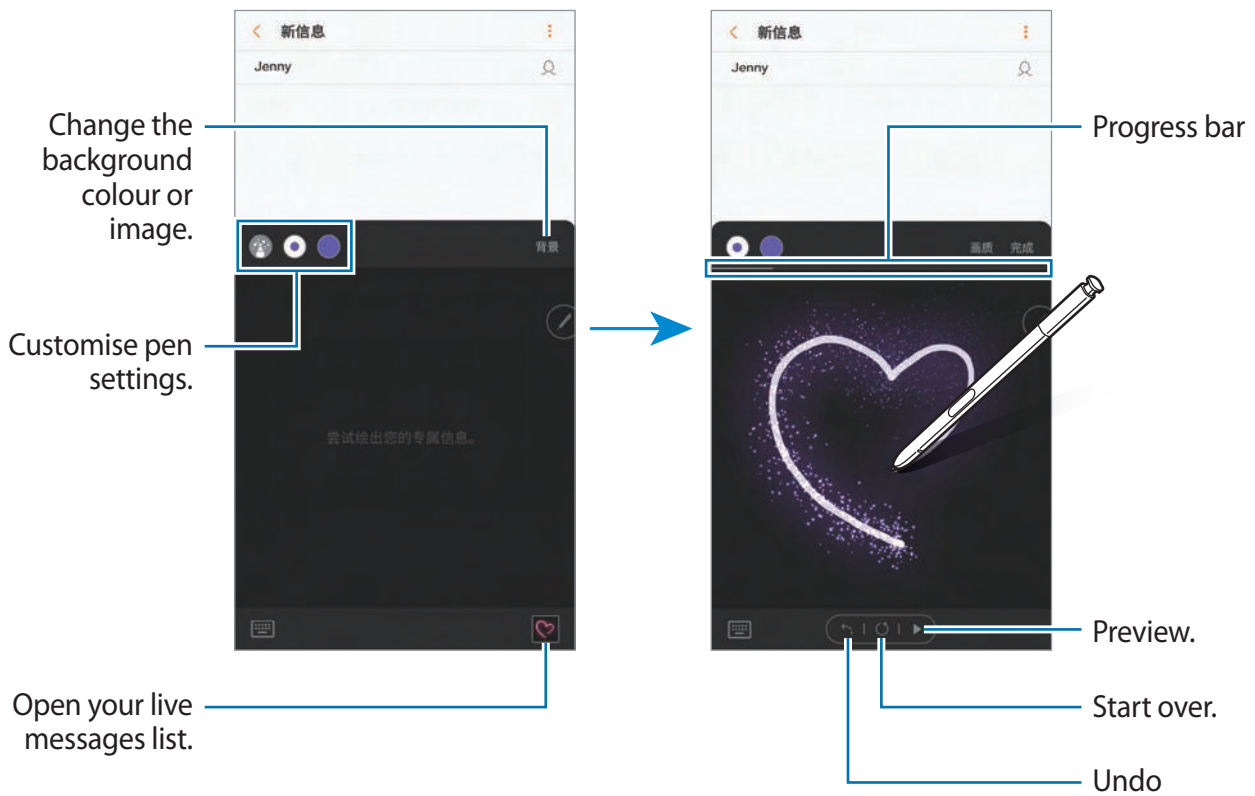
1 When you want to send an animated message while composing a message, open the Air command panel and tap **Live message**. Alternatively, tap  →  on the Samsung keyboard.

The live message window will appear.

2 Customise pen settings and background image.

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

3 Write or draw on the live message window.




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

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



You can also share live messages using other sharing methods.

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

Translate

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

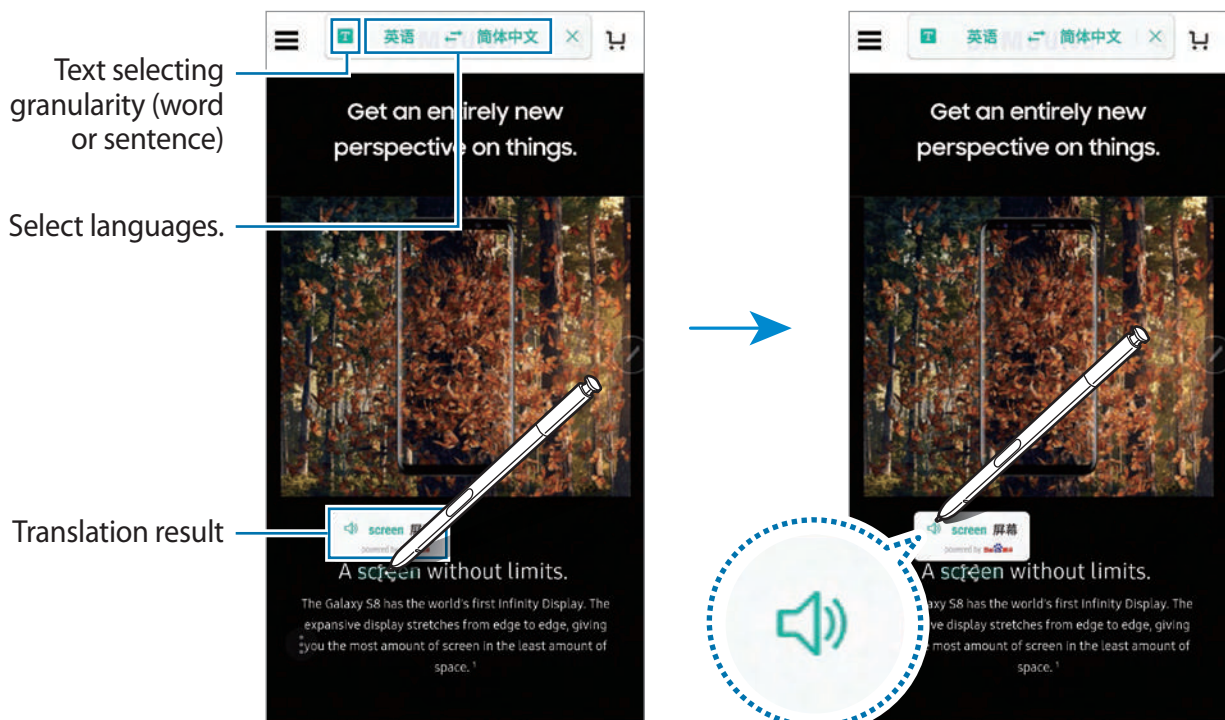


- To use this feature, your device must be connected to a Wi-Fi or mobile network.
- This feature does not support some languages.
- This feature is available only when detectable text is on the screen.

- 1 When there are text you want to translate, open the Air command panel and tap **Translate**.
- 2 Select the languages on the translator panel at the top of the screen.
You can change the text between words and sentences by tapping **T** or **≡**.
- 3 Hover the S Pen over the text you want to translate or the unit you want to convert.
The translated text will appear above the original text. To listen to the pronunciation of the original text, tap



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

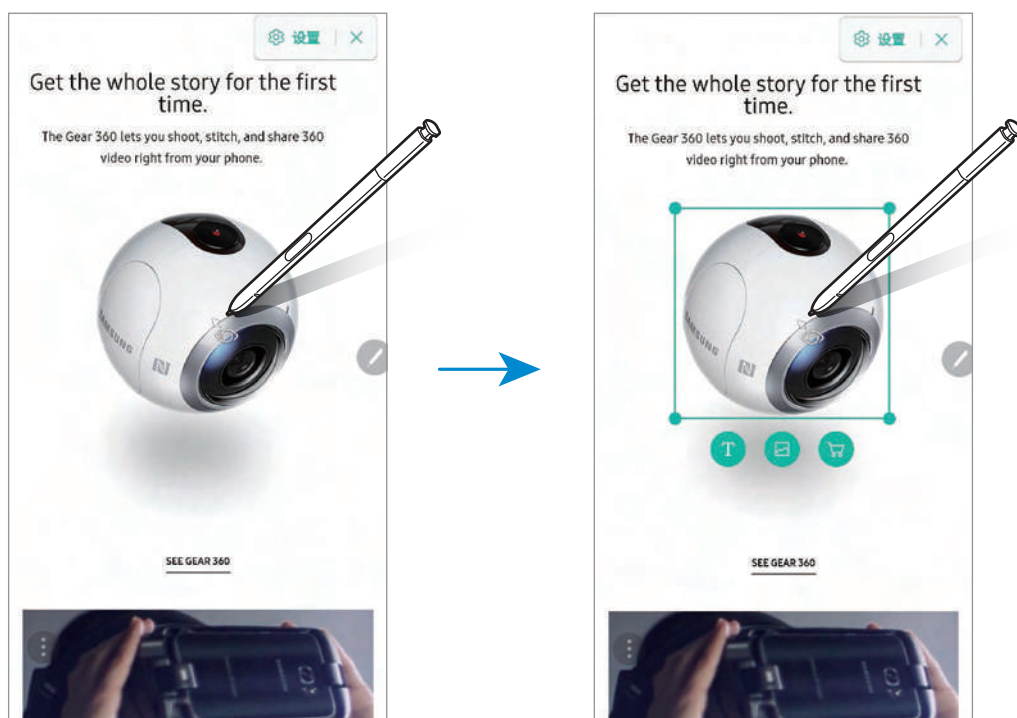


- 4 To close the translator, tap **X** on the translator panel.

Bixby Vision

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

- 1 When there is an image you want to search for relevant information or extract text from, open the Air command panel and tap **Bixby Vision**.
- 2 Hover the S Pen over the content you want.
When the content is recognised, the available search icons will appear.

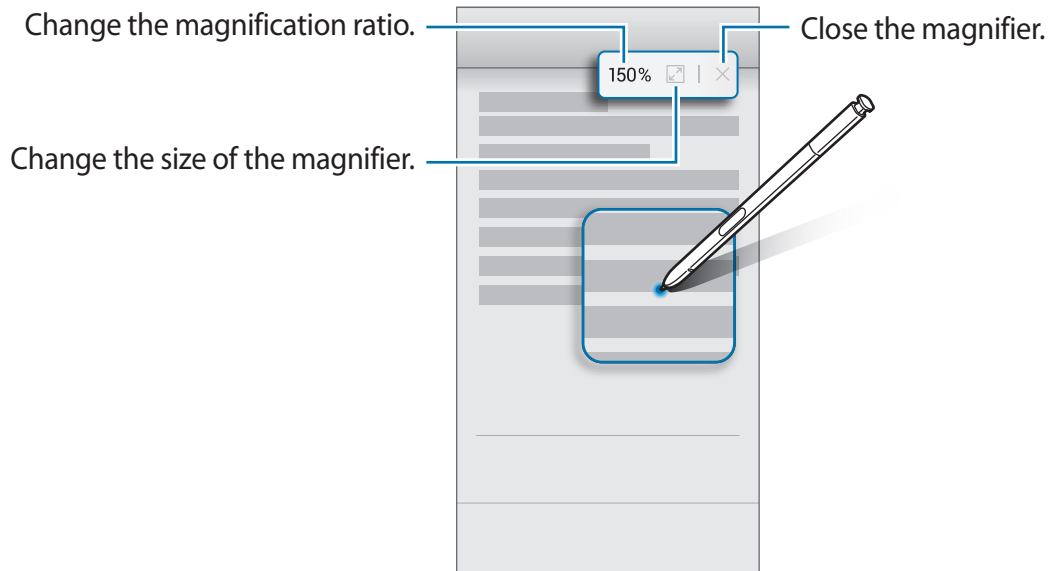


- 3 Select an icon you want.
- 4 To close Bixby Vision, tap **X** on the Bixby Vision panel.

Magnify

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

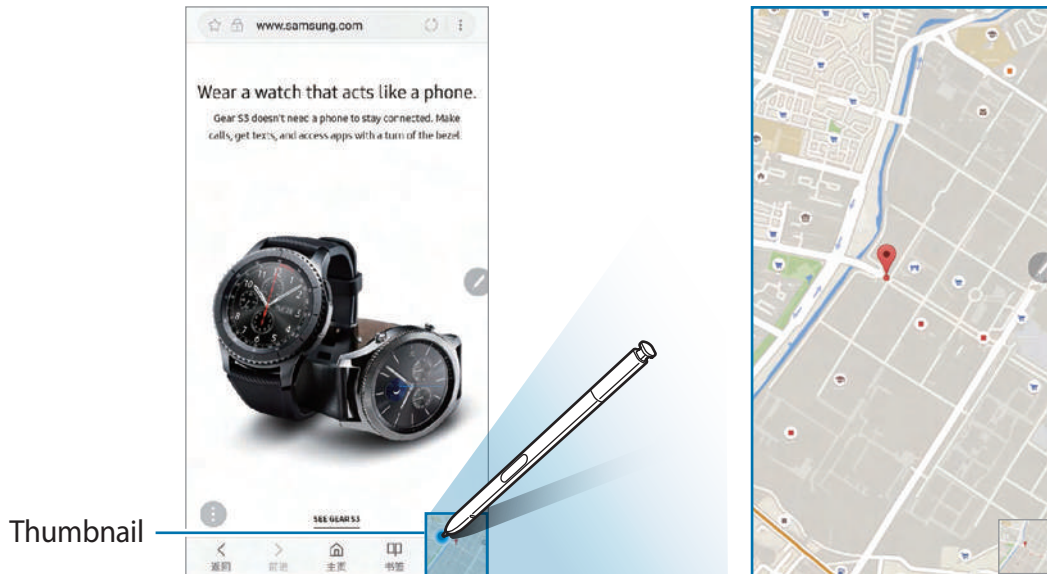
Open the Air command panel, tap **Magnify**, and hover the S Pen over the area you want to enlarge.



Glance

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

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



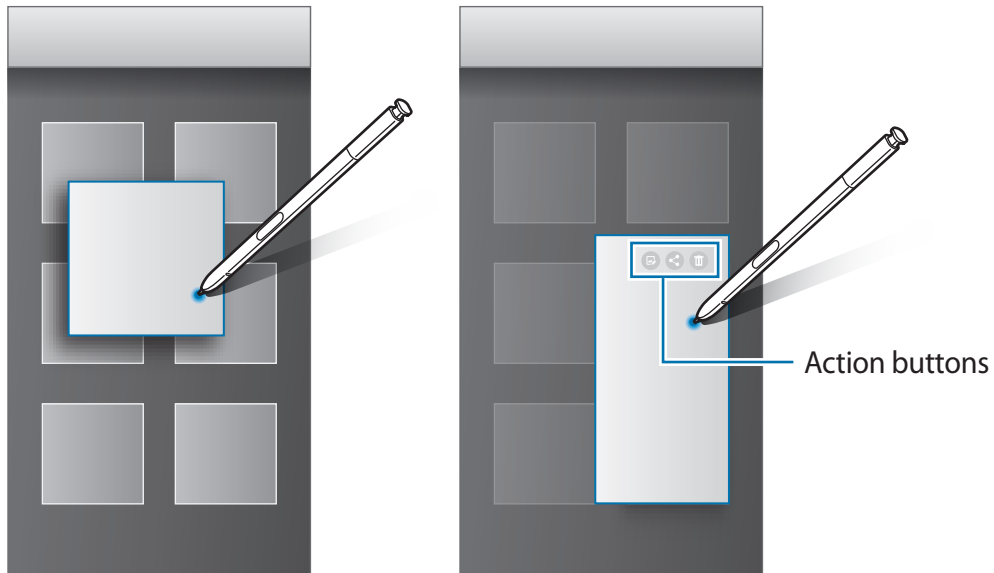
Hover the S Pen away from the screen to reduce the app to a thumbnail again.

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

Air view

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

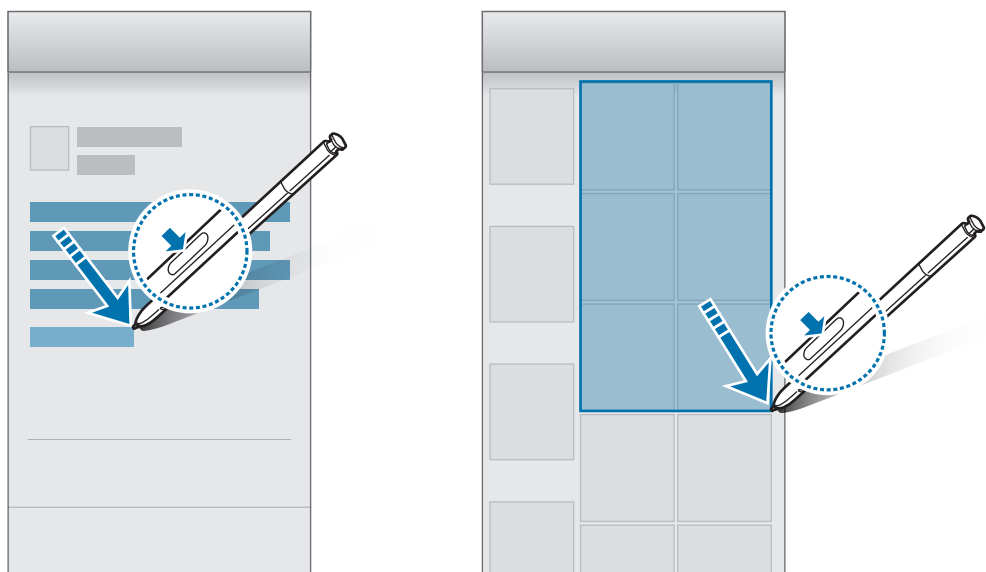
In some apps, Action buttons will be displayed on the preview window.



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

Pen Select

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





Screen off memo

You can quickly create memos by writing on the screen without turning on it. You can also pin or edit a memo on the Always On Display.



If this feature is not activated, launch the **Settings** app, tap **Advanced features** → **S Pen**, and then tap the **Screen off memo** switch to activate it.

Creating a screen off memo




- 1 When the screen is off, detach the S Pen or tap the screen with the S Pen while pressing and holding the S Pen button.
- 2 Write or draw a memo.
To extend the page, tap .
- 3 To pin the memo on the Always On Display, tap  → **PIN TO ALWAYS ON DISPLAY**. The pinned memo will not be saved yet.

To save the memo, tap **SAVE IN NOTES** or reinsert the S Pen into the slot. The memo will be saved to **Samsung Notes** → **COLLECTIONS** → **Screen off memo**.

Viewing the pinned memo on the Always On Display

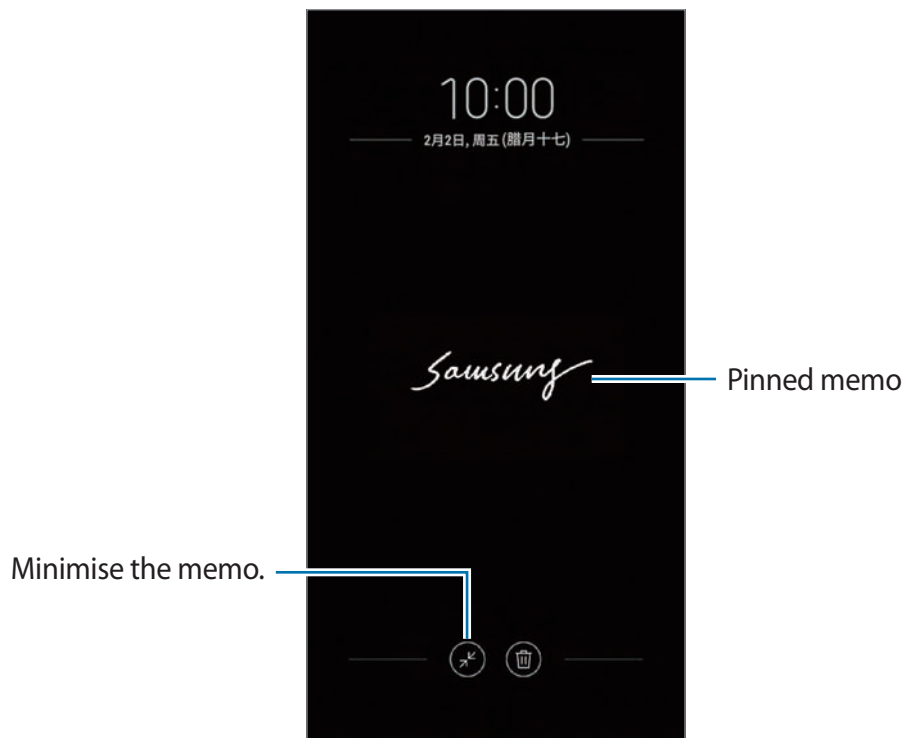
When you pin a screen off memo, you can view the memo on the Always On Display.

To edit the pinned memo, double-tap the memo. If you pin the edited memo on the Always On Display again, the original memo will be saved to **Samsung Notes** → **COLLECTIONS** → **Screen off memo**.

To minimise the pinned memo, double-tap . The memo will be displayed as the  icon on the Always On Display. To view the memo again, double-tap .



If you do not perform any actions for a certain period after opening a memo, the memo will be automatically minimised.



Bixby

Introduction

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

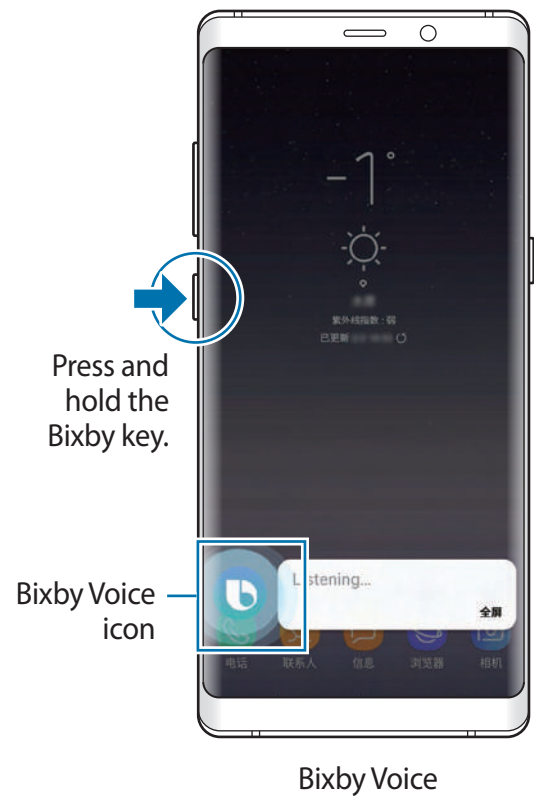
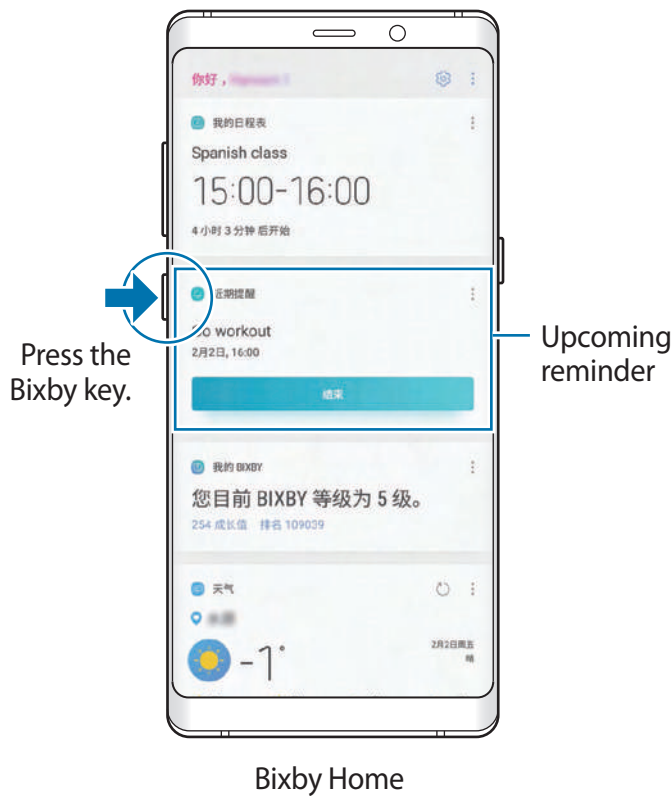
- **Bixby Home:** You can view recommended services and information that Bixby provides by analysing your usage patterns and your routine.
- **Bixby Voice:** You can use voice commands to request what you want with Bixby Voice.
- **Bixby Vision:** You can easily search for relevant information about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



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

Press the Bixby key to open Bixby Home. To close Bixby Home, press the key again.

Press and hold the Bixby key to launch Bixby Voice immediately. While pressing and holding the Bixby key, say what you want to Bixby Voice and then release your finger from the key. Bixby Voice will perform what you request.

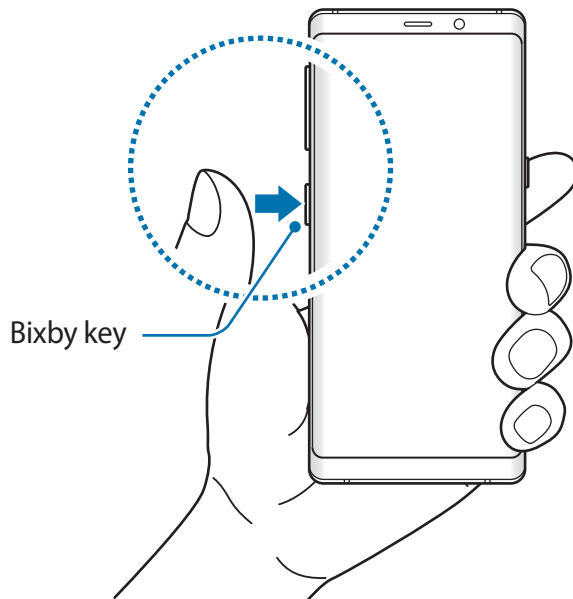


Available Bixby services may differ depending on the region or service provider.

Starting Bixby

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

- 1 Press the Bixby key.



- 2 Check the Bixby intro page and tap **NEXT**.
- 3 Select the language to communicate with Bixby Voice and tap **CONFIRM**.
- 4 Tap **SIGN IN** and follow the on-screen instructions to sign in to your Samsung account.



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

- 5 Tap **DONE** to finish registering your Samsung account.
- 6 Read and agree to the terms and conditions and tap **✓** → **NEXT**.
- 7 Follow the on-screen instructions to complete the Bixby Voice setup.

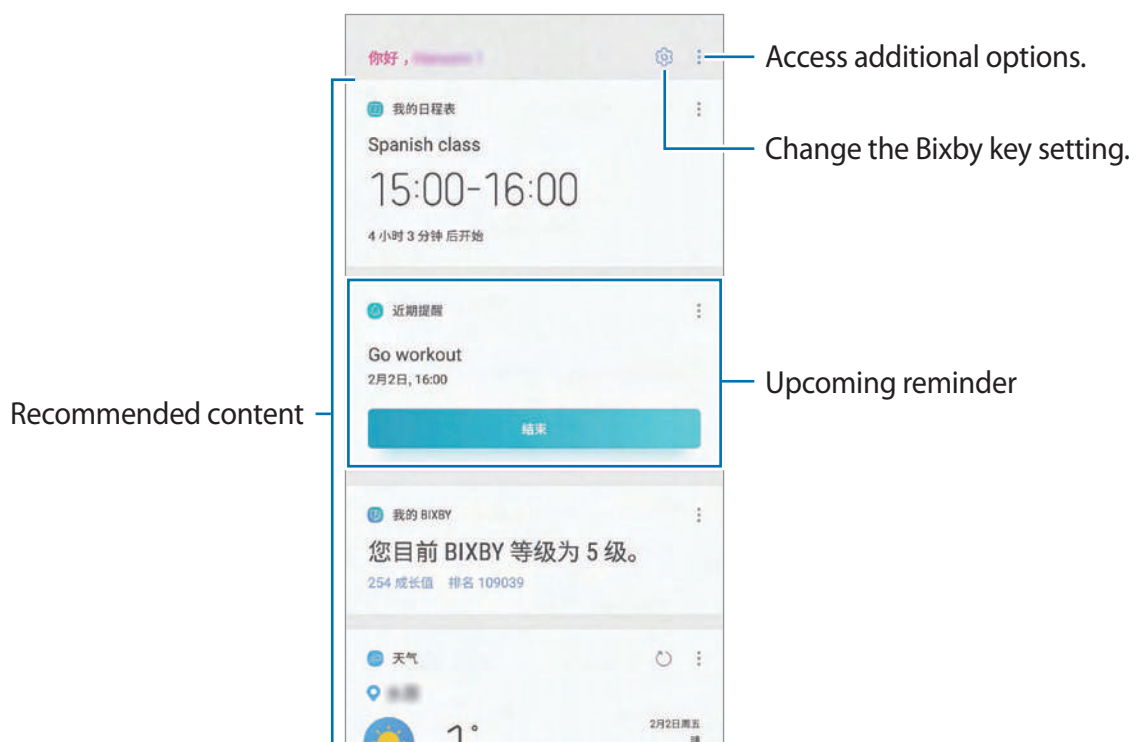
Bixby Home

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

Opening Bixby Home

1 Press the Bixby key. Alternatively, swipe to the right on the Home screen.
The Bixby Home screen will appear.

2 Swipe upwards or downwards to view recommended content.

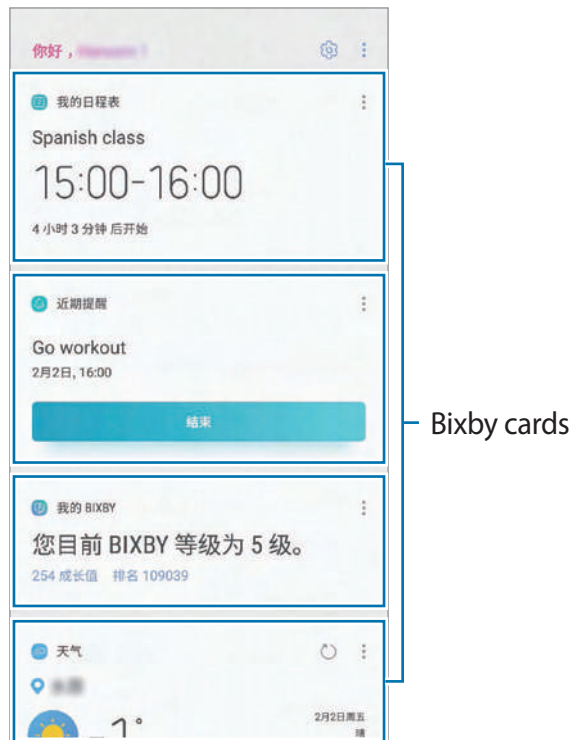


3 To close Bixby Home, press the Bixby key again. Alternatively, swipe to the left on the screen.

Using recommended content on Bixby Home

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

For example, on the way to the office in the morning, you can view your day's schedule and play your favourite music on the Bixby Home screen. In the evening, you can set alarms, check your daily activity, and view your friends' feeds.



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





Viewing Bixby cards

The cards that are most useful to you will be shown on the top based on the time and location. You can view more cards by setting more apps to show as Bixby cards.

On the Bixby Home screen, swipe upwards or downwards to view Bixby cards.

- At night, Bixby Home will display your alarm for the following morning.
- If you have added reminders, the most recent reminder will appear on the Bixby Home screen.
- View the most recent event created in your planner. Tap a card to view its details.
- Check today's weather for your current area in real time and view your location information.
- Preview the photos and videos you have taken today.
- View updated news.

Editing Bixby cards list


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

Selecting apps to show as Bixby cards

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

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



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

Bixby Voice

Bixby Voice is a voice service that helps you use the device more conveniently.

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



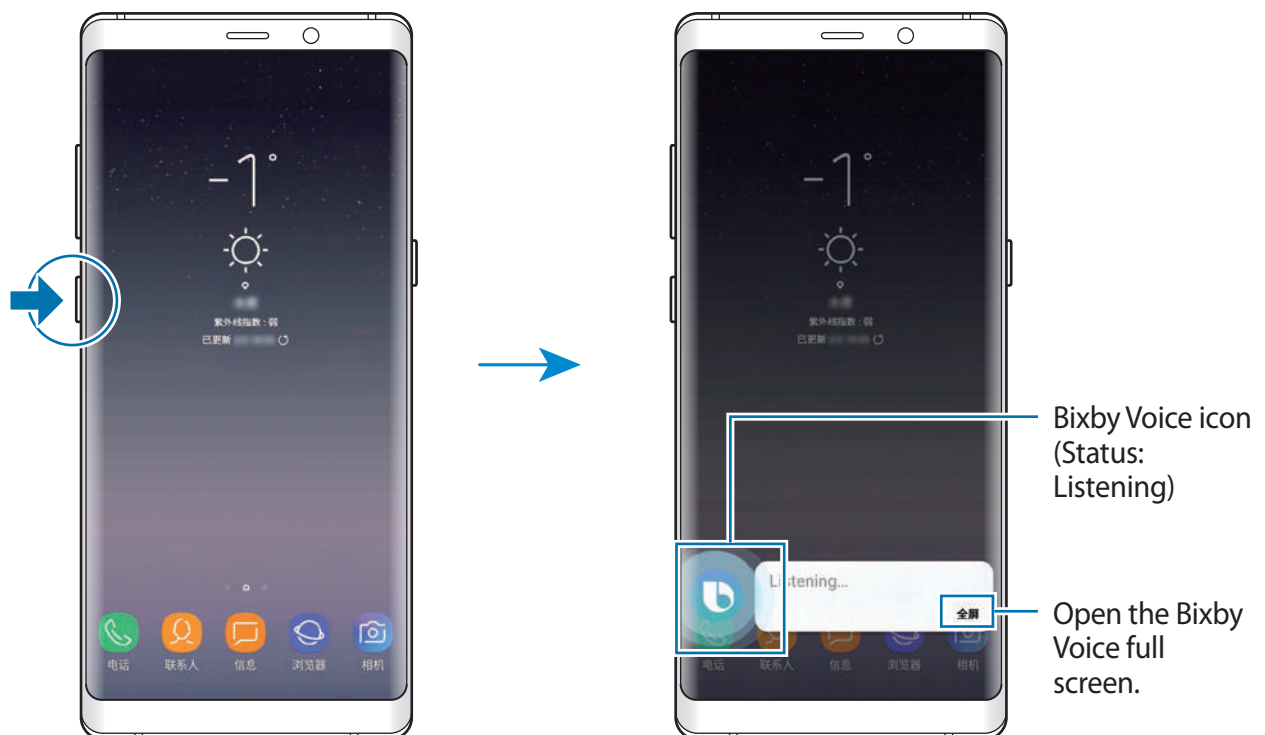
- To use Bixby Voice, your device must be connected to a Wi-Fi or mobile network.
- To use Bixby Voice, you must register and sign in to your Samsung account.

Launching Bixby Voice

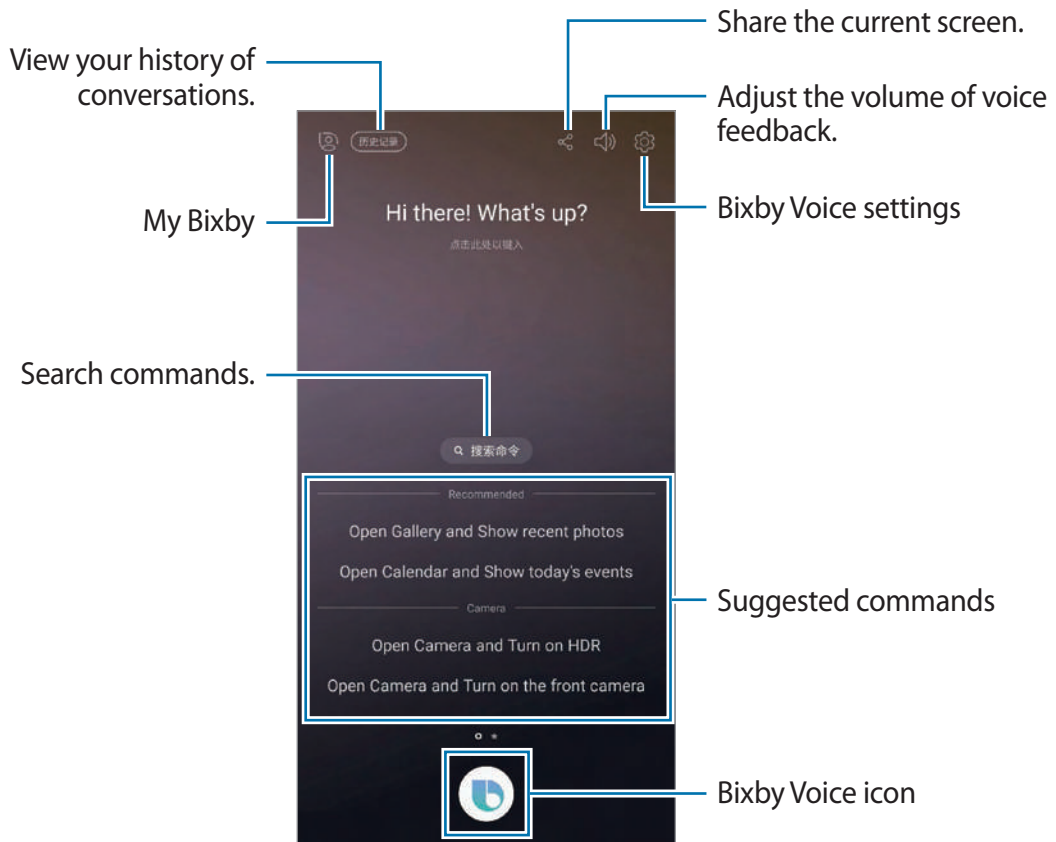
Launching Bixby Voice with the Bixby key

When you press and hold the Bixby key, Bixby Voice will launch and start listening.

While pressing and holding the Bixby key, say what you want to Bixby Voice, and then release your finger from the key.





When you tap **FULL SCREEN**, the Bixby Voice full screen will appear. On the Bixby Voice full screen, you can use the following features.



Launching Bixby Voice using your voice

When you set voice wake-up, you can say "Hi Bixby" at any time to start a conversation. Register your voice to use voice wake-up.

- 1 Press and hold the Bixby key, tap **FULL SCREEN** →  → **Voice wake-up**, and then tap the switch to activate it.
- 2 Tap  and follow the on-screen instructions to complete the setup.
Now you can say "Hi Bixby", and when the device emits a sound, say what you want.

Using Bixby Voice

When you say what you want to Bixby Voice, Bixby Voice will display your speech as on-screen text and launch corresponding functions or show the information you requested.

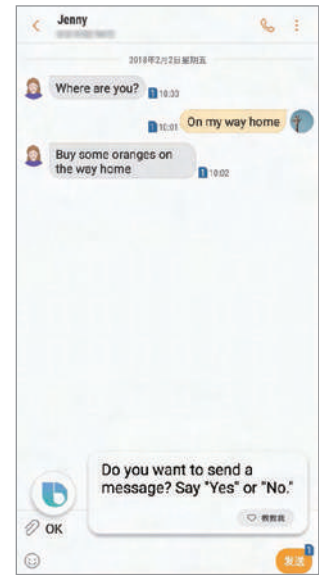
For example, if you say “Send *okay* to Jenny”, then your message and the contact saved as Jenny will be automatically entered in the **Messages** app.



Status: Listening



Status: Processing



Corresponding function launched



If Bixby Voice is on standby (ⓑ), it cannot listen to your voice. Tap the standby status icon (ⓑ) and say your request again when the icon changes to the listening status icon (ⓑ).

Status icons

The Bixby Voice icon will change according to Bixby Voice's current status as follow:



Bixby Voice is listening. Say your request.



Bixby Voice is processing your request.





Bixby Voice is answering your request.



Bixby Voice is on standby. To talk to Bixby Voice, tap this icon and say your request when the icon changes to the listening status icon.

Getting follow-up questions

Bixby Voice will ask follow-up questions when they are needed to understand your request.

If you just say "Send text", then Bixby Voice will ask who you want to send a text to. Say the name of the recipient. If Bixby Voice is on standby () , tap  and say the name of the recipient.

Closing Bixby Voice

To stop using Bixby Voice, tap the Back button.

Viewing supported apps and commands

To view Bixby Voice supported apps and various ways to use Bixby Voice, press and hold the Bixby key and tap **FULL SCREEN** → ⚙️ → **Voice apps and services**. You can view the suggested commands of how to use each app. To use an app, say the suggested command to Bixby Voice.



Deactivating Bixby Voice

You can deactivate Bixby Voice from launching even when you press and hold the Bixby key or say "Hi Bixby".

Press and hold the Bixby key, tap **FULL SCREEN** → ⚙️, and then tap the **Bixby Voice** switch to deactivate it.

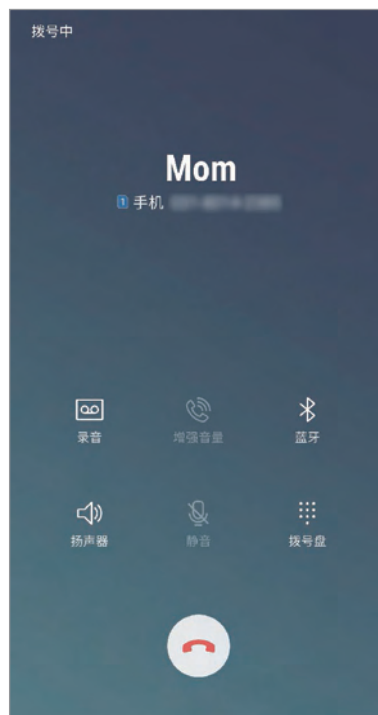
Bixby Voice usages

Launching apps or functions

Launch apps or functions quickly using Bixby Voice.

Say your request including the app or feature name to help Bixby Voice execute your request more accurately.

- 1 Press and hold the Bixby key, say "Call mom" to Bixby Voice, and then release your finger from the Bixby key.
- 2 Bixby will now make a call to the contact saved as mom and you can begin your conversation.

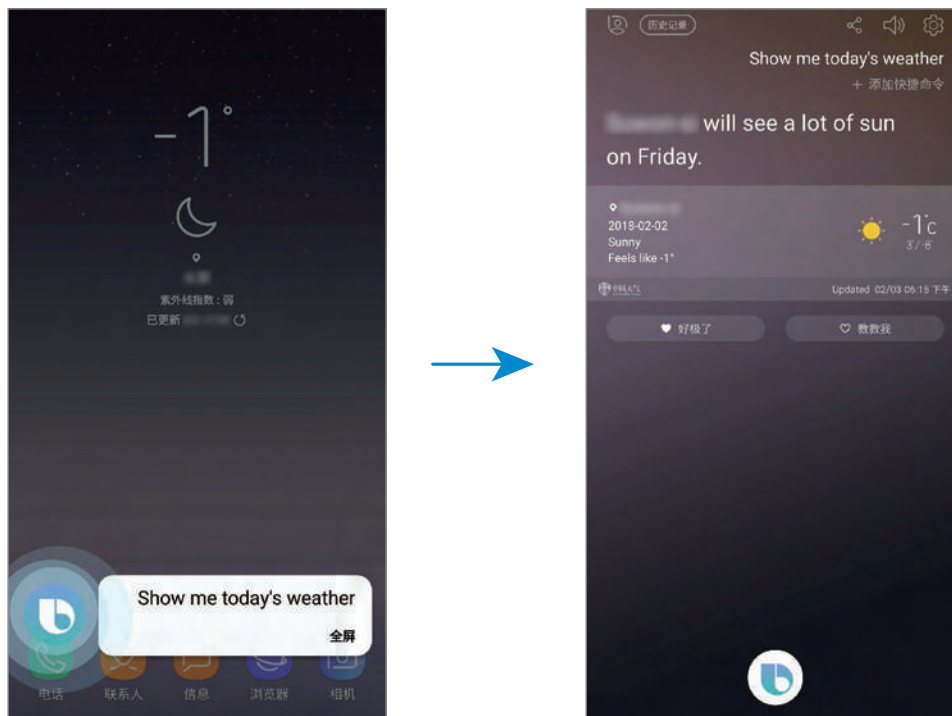


Checking the weather or your schedule

Check the weather or your schedule on the Bixby Voice screen.

Press and hold the Bixby key, say “Show me today’s weather” to Bixby Voice, and then release your finger from the Bixby key.

The weather information will appear on the Bixby Voice screen. Tap the weather information for details.



Browsing the Internet

You can quickly search for information on the Internet.



For example, press and hold the Bixby key, say “Search for nearby libraries on the Internet” to Bixby Voice, and then release your finger from the Bixby key.

The Internet app will show the results. Check the results.


Using quick commands

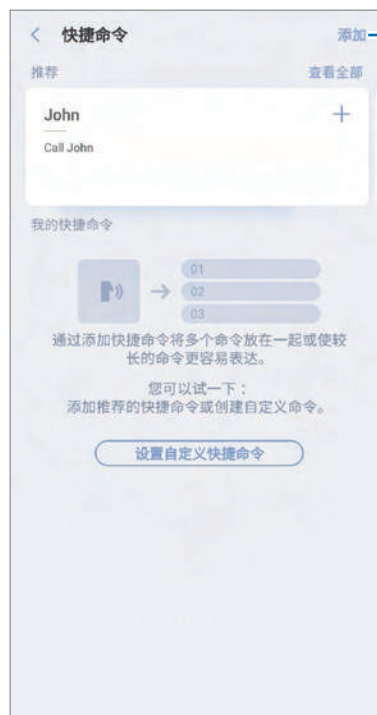
You can add quick commands for your frequently used commands so that you can say commands more quickly and easily. You can also launch multiple commands together by adding them to a quick command.

Adding recommended quick commands


On the Bixby Home screen, tap  → **My Bixby** → **Quick commands**. Swipe to the left or right on a recommended quick command and tap  on the command you want.

Adding your own quick commands


- 1 On the Bixby Home screen, tap  → **My Bixby** → **Quick commands**.
- 2 Tap **ADD** → **Add quick command**.



Add your own quick commands.

- 3 Tap , say a quick command to add, and then tap **SAVE**.
- 4 Tap **Add Bixby command** and select **Select from history** or **Search all commands**.

5 Select a command that Bixby Voice will perform.

If the command contains information to edit, such as time or a name, you can edit them by tapping .

To add additional commands, tap **Add another command**.



6 Tap **SAVE**.

Launching commands using quick commands

Press and hold the Bixby key, say a quick command, and then release your finger from the Bixby key.

The commands you set to the quick command will launch.

Additional Bixby Voice functions

Checking supported languages

Bixby Voice is only available in some languages, and certain features may not be available depending on your region. To see the list of supported languages, press and hold the Bixby key and tap **FULL SCREEN** → ⚙️ → **Language and speaking style** → **Languages**.

Using dictation mode

Use dictation mode when it is hard to type.

In the text input field, press and hold the Bixby key and say "Write down" followed by what you want to enter.

Your spoken words will be converted to on-screen text.



You can also set Bixby Voice to start dictation mode when you press and hold the Bixby key while the Samsung keyboard is open. To use this feature, press and hold the Bixby key, tap **FULL SCREEN** → ⚙️, and then tap the **Dictation on keyboard** switch to activate it.

Sending feedback to Bixby Voice

To help Bixby Voice understand you better, give feedback to Bixby Voice on what it has done for you.

Tap ❤️ when Bixby Voice completes your request.

Tap 🤔 when Bixby Voice fails to complete your request or an error occurs.



Waking up Bixby Voice while using the speaker

You can wake up Bixby Voice by saying “Hi Bixby” even when the speaker plays alarms, ringtone, or media.

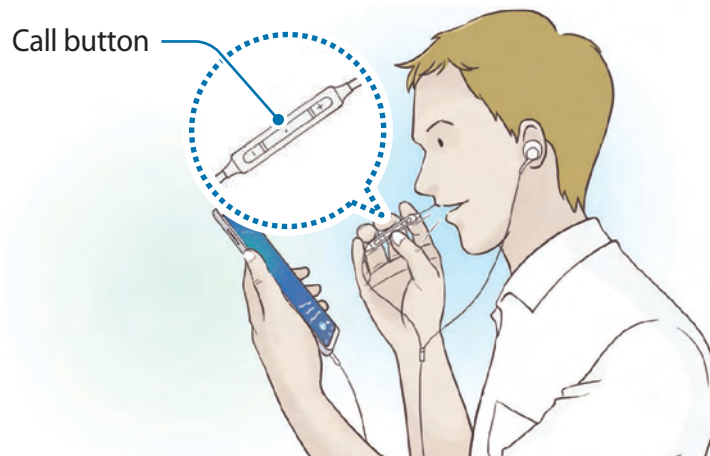
Press and hold the Bixby key, tap **FULL SCREEN** →  → **Voice wake-up**, and then tap the **Use when phone speaker playing** switch to activate it.

Using earphones or a Bluetooth headset

Connect earphones or a Bluetooth headset to the device when your voice is not heard clearly via the built-in microphone due to noisy environments. Press and hold the Call button on earphones or a Bluetooth headset to launch Bixby Voice and say your request to the microphone.



This feature may not be available or its method of use may vary depending on the earphones and Bluetooth headset.









Bixby Vision

You can easily search for relevant information about objects or locations using the Bixby Vision features.

Activate Bixby Vision and search for similar images or nearby places. You can also translate detected text.

Use the following Bixby Vision features:


-  Search for shopping information.
-  Detect and translate text.
-  Search for similar images.
-  Search for nearby places.
-  Search for wine information.
-  Read QR codes.



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

Launching Bixby Vision

You can launch Bixby Vision using various methods.

- In the **Camera** app, tap **BIXBY VISION**.
- In the **Gallery** app, select an image and tap .
- In the **Internet** app, tap and hold an image and tap **Bixby Vision**.
- Open the Air command panel and tap **Bixby Vision**.
- Open the Air command panel, tap **Smart select**, select an area, and then tap **Bixby Vision**.
- Capture a screen and select **Bixby Vision** on the toolbar.



Camera



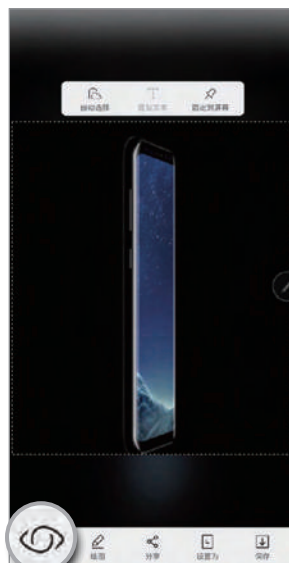
Gallery



Internet



Air command



Smart select




Screen capture toolbar

Searching for shopping information

Recognise products and search for information online. You can search for information even when you do not know the product's name. You can also search for information by recognising the product's barcode.

For example, if you want to search for the product's information online, use the Bixby Vision features. The device will search for and show you the results.

- 1 Point the camera towards the desired image or object and activate Bixby Vision.
- 2 Keep the object within the frame in the camera's viewfinder to recognise it. When the object is recognised, the available search icons will appear.
- 3 Tap .
You can view the product's details if there is related information online.



Detecting and translating text


Detect text in an image to share or translate it.

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

- 1 Point the camera towards the desired image or object and activate Bixby Vision.
- 2 Keep business cards or text within the frame in the camera's viewfinder to recognise it. When text is recognised, the available search icons will appear.
- 3 Tap **T**.
 - **Save in Contacts:** Save the information extracted from the business card as a contact.
 - **Extract:** Detect text and share it with others. You can edit the text before sharing it.
 - **Translate:** Detect text and translate it. Select a target language.




Setting languages for text detection

- 1 Activate Bixby Vision.
- 2 Tap  → **Settings** → **Select languages**.
- 3 Select **Documents** or **Business cards**, check languages to use, and then tap **DONE**.
To set Bixby Vision to automatically detect languages, select **Business cards** and tap the **Auto detect language** switch to activate it.

Searching for similar images

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


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

- 1 Point the camera towards the desired image or object and activate Bixby Vision.
- 2 Keep the object within the frame in the camera's viewfinder to recognise it.
When the object is recognised, the available search icons will appear.
- 3 Tap .

Searching for nearby places

Search for landmarks or information about nearby places. You can use this feature when you find a way or search for nearby places.

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

- 1 Point the camera towards the desired image or object and activate Bixby Vision.
 - 2 Keep the object or place within the frame in the camera's viewfinder to recognise it.
When the area is recognised, the available search icons will appear.
 - 3 Tap .
- The device will show information of nearby places.

Finding nearby places in Live view

You can view nearby places through the camera.

1 Launch the **Camera** app and tap **BIXBY VISION**.

2 Tap .

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

To view your current location and nearby places on the map, hold your device horizontally to the ground.

Searching for wine information

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

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

1 Point the camera towards the desired image or object and activate Bixby Vision.

2 Keep the wine label within the frame in the camera's viewfinder to recognise it.
When the wine label is recognised, the available search icons will appear.

3 Tap .

The information about the wine label will appear.

Reading QR codes

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

1 Point the camera towards the desired image or object and activate Bixby Vision.

2 Keep the QR code within the frame in the camera's viewfinder to recognise it.
When the QR code is recognised, the available search icons will appear.

3 Tap .

The QR code's information will appear.

Reminder

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

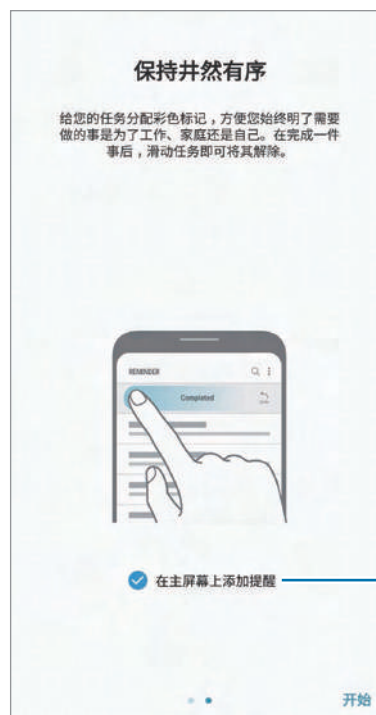


- To receive more accurate notifications, connect to a Wi-Fi or mobile network.
- To fully use this feature, you must register and sign in to your Samsung account.
- To use location reminders, the GPS feature must be activated.

Starting Reminder

You can start Reminder from Bixby Home.

- 1 Press the Bixby key. Alternatively, swipe to the right on the Home screen.
The Bixby Home screen will appear.
- 2 Tap **GET STARTED** on the **UPCOMING REMINDERS** card.
The Reminder intro page will appear.



Add the app icon to the Home screen.

- 3 Make sure the **Add Reminder on Home screen** option is ticked and tap **START**.
If you add the **Reminder** app icon (🔔) to the Home screen, you can launch the **Reminder** app from the Home screen.

Creating reminders

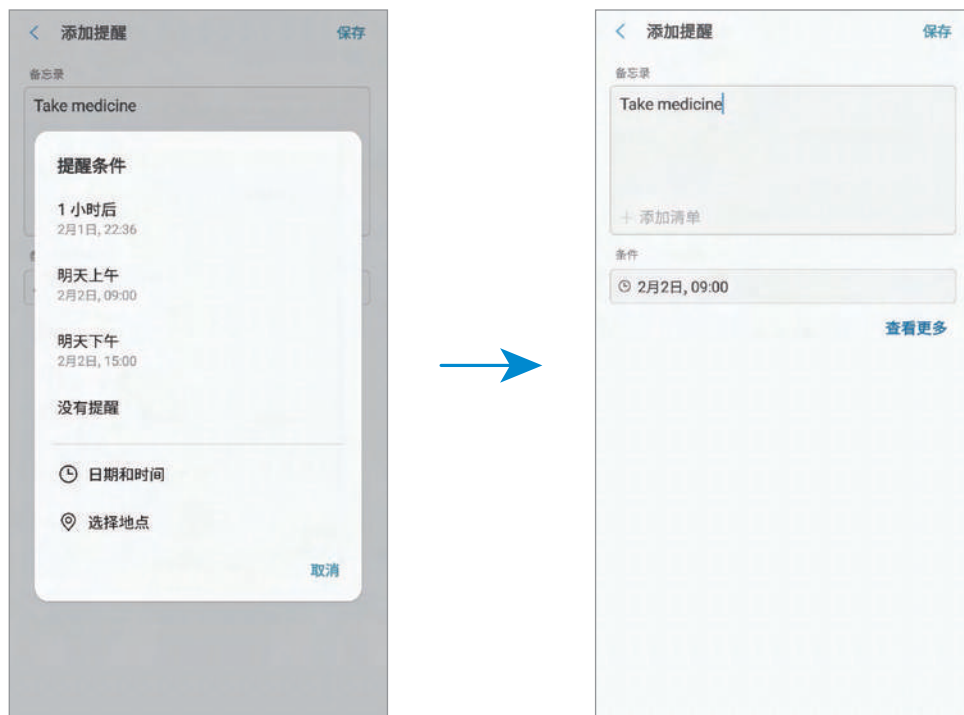
Create reminders with various methods. Reminder will alert you if you create a reminder with a specified time or location setting. You can also save various content, such as a single memo or webpage address, and view it later.

Creating reminders via the Reminder app

For example, create a reminder to alert you to 'take your medicine at 9 AM'.

- 1 Launch the **Reminder** app.
- 2 Tap **Write a reminder** and enter 'Take medicine'.
- 3 Tap **Set conditions** → **Date and time** and set the time to '9 AM'.

When you tap **VIEW MORE**, you can add details, such as images or frequency.



- 4 Tap **SAVE** to save the reminder.

Creating reminders from Bixby Home

On the Bixby Home screen, tap **UPCOMING REMINDERS** on the Reminder card. Enter information, set the time or the location condition, and then save the reminder.

Creating reminders with Bixby Voice

Press and hold the Bixby key, say what you want to save as a reminder, and then release your finger from the Bixby key.

For example, say “Remind me to take my medicine at 9 AM”. Bixby Voice will save what you said as a reminder.

Creating reminders while browsing the Internet

While browsing the Internet, you can create reminders to view the content later.

1 While browsing the Internet, tap  → **Share**.

2 Tap **Reminder**.

The webpage address will be saved as a reminder automatically.

To set the data, time, or location manually, tap .

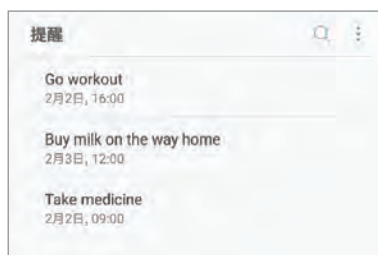
Checking reminder notifications

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



Viewing the reminders list

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



Setting reminder details

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

- 1 Select a reminder to edit and tap **EDIT**. Alternatively, swipe right on a reminder and tap **Edit**.
- 2 Edit the conditions and tap **SAVE**.




Completing reminders

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

On the reminders list, select a reminder and tap **COMPLETE**. When a notification pop-up window appears, tap **COMPLETE**.

Restoring reminders

Restore reminders that have been completed.

- 1 On the reminders list, tap  → **Completed** → **EDIT**.
- 2 Tick items to restore and tap **RESTORE**.


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

Deleting reminders

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

Customising Bixby settings

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

- **Samsung account:** View your Samsung account information.
- **HOME CARDS**
 - **Cards:** Select apps to show as cards on the Bixby Home screen.
 - **Show on Lock screen:** Select apps to show as cards when opening Bixby Home on the locked screen.
- **VOICE**
 - **Bixby Voice:** Activate or deactivate Bixby Voice. If you deactivate Bixby Voice, Bixby Voice will not launch when you press and hold the Bixby key or say the voice wake-up command.
 - **Background color:** Change the background colour of the Bixby Voice full screen. As you earn more Bixby experience to level up, you can use more colours.
 - **Language and speaking style:** Set the language to communicate with Bixby Voice and set the style of voice feedback. The selected language is applied only when you talk with Bixby Voice.
 - **Voice feedback:** Activate or deactivate voice feedback from Bixby Voice.
 - **Feedback style:** Set Bixby Voice to respond in short statements or in a more conversational style.
 - **Voice wake-up:** Set Bixby Voice to wake up when it hears you say “Hi Bixby”. You can also change the settings for the voice wake-up feature.
 - **Unlock with voice password:** Set the device to unlock by saying your voice password to Bixby Voice.
 -  • Your device can be unlocked by someone else who says the correct password.
 - Voice password is less secure than Pattern, PIN, or Password.
 - **Dictation on keyboard:** Set Bixby Voice to start dictation mode when you press and hold the Bixby key while the Samsung keyboard is open.
 - **Read aloud in high quality:** Set Bixby Voice to read messages aloud in high quality audio.
 - **Bixby XP animation:** Set whether to show an animation when you earn Bixby XP.

- **Voice apps and services:** View Bixby Voice supported apps and each app's suggested commands.
- **Bixby Labs:** View apps and voice commands that Bixby Voice is experimenting with at Bixby Labs. If you install the apps the Bixby Labs recommends, you can experience Bixby Voice in more apps.
- **Auto-update 3rd party app plugin:** Set the device to automatically update plugins Bixby uses to control third party apps.
- **GENERAL**
 - **Bixby key:** Set whether to open Bixby Home when you press the Bixby key.
 - **Auto-update Bixby:** Set the device to update Bixby software automatically when connected to a mobile network.



You can incur additional charges when using this feature.




- **Notifications:** Set to receive notifications about Bixby Home cards, marketing information, and more.
- **Privacy:** Set to use Bixby's interactive and customised services to enhance your experience. You can also delete Bixby interaction data.
- **About Bixby:** View the Bixby version and legal information.

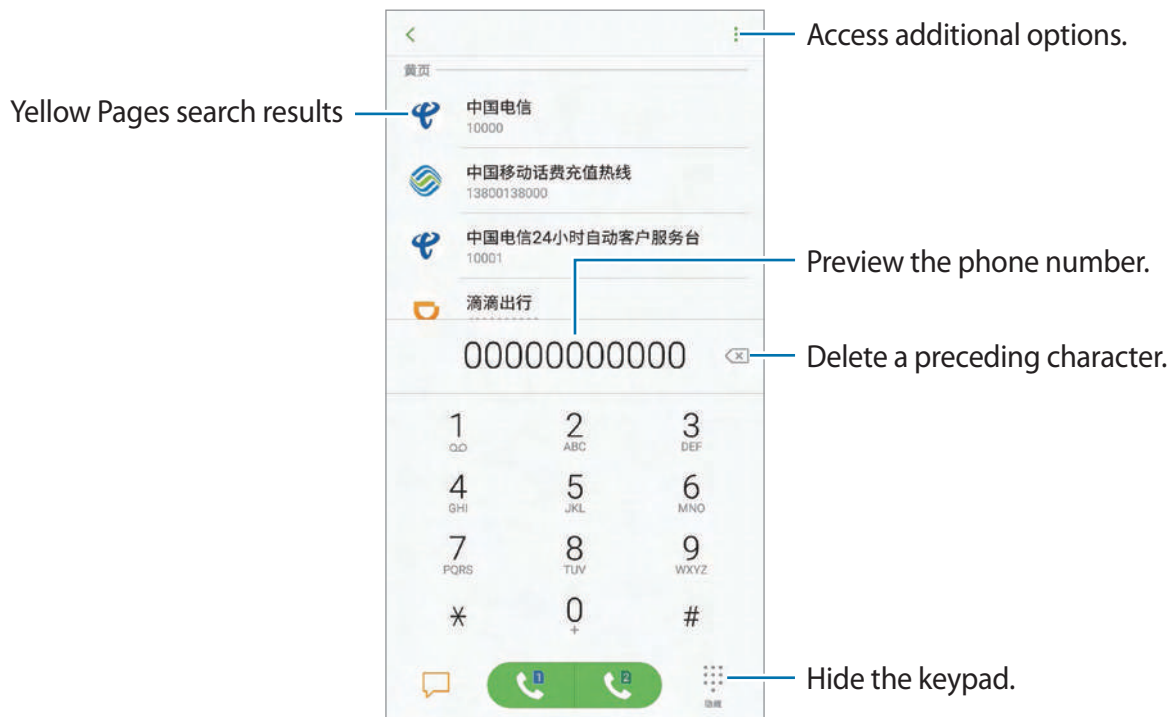
Phone

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  → **Speed dial numbers**, select a speed dial number, and then add a phone number.

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

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

Making calls from the locked screen




On the locked screen, drag  outside the circle.

Making calls using Yellow Pages

You can easily search for businesses and then call them using the call ID data provided by Yellow Pages.

Tap **YELLOW PAGES** and enter numbers or characters in the search field. The device automatically displays the businesses identified in the search. Select a business to call.

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  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 rejection 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.

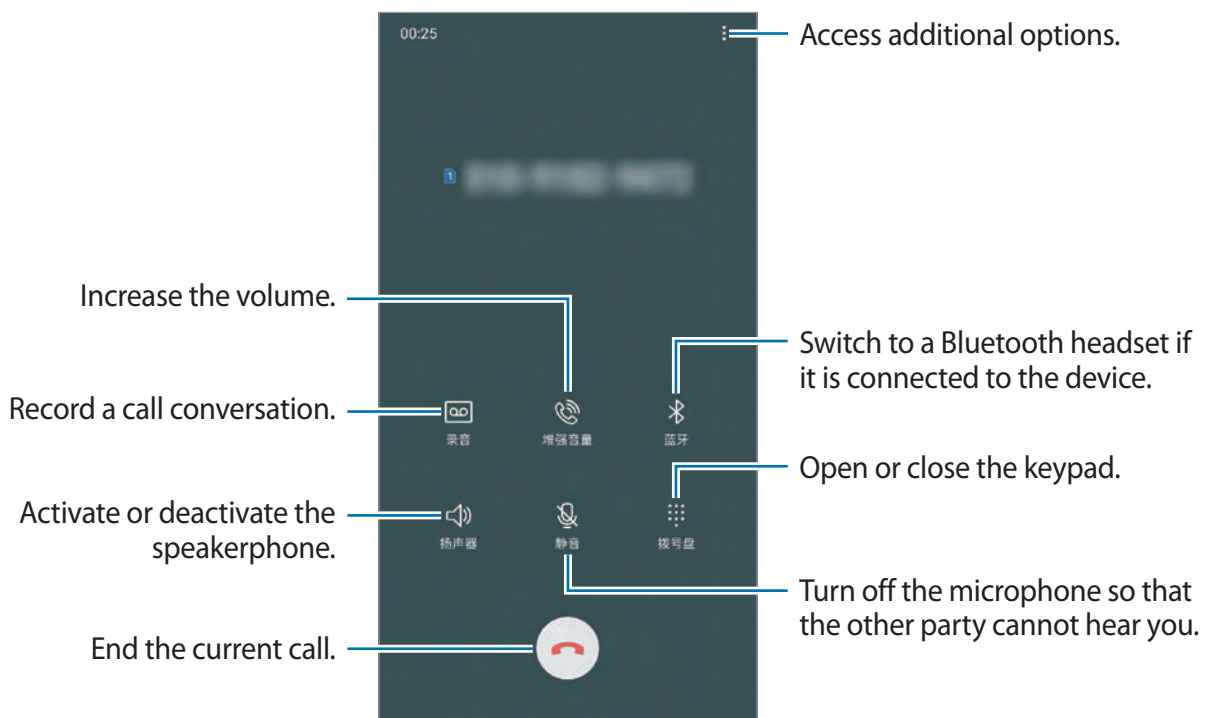
Options during calls



If the area around the rear camera is covered, unwanted noises may incur during a call. Remove accessories, such as a screen protector or stickers, around the rear camera area.


During a voice call

The following actions are available:



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.

Contacts

Introduction

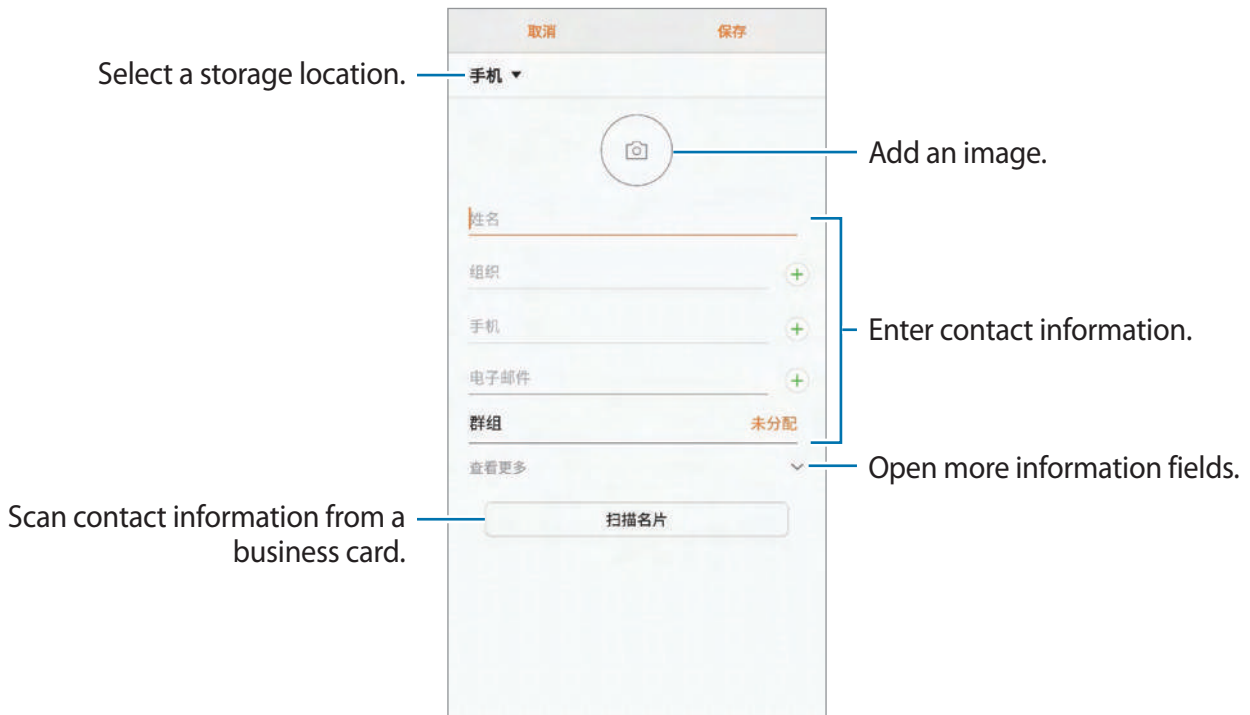
Create new contacts or manage contacts on the device.

Adding contacts

Creating a new contact

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

2 Enter contact information.



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

3 Tap **SAVE**.


Importing contacts

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

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

Synching contacts with your web accounts

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

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






Searching for contacts

Launch the **Contacts** app.

Use one of the following search methods:


- Scroll up or down the contacts list.
- Drag a finger along the index at the 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:

-  : Add to favourite contacts.
-  : Make a voice call.
-  : Make an IP call.
-  : Compose a message.
-  : Compose an email.

Sharing contacts

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

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

Saving and sharing profile

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



- The profile sharing feature may not be available depending on the region or service provider.
- The profile sharing feature is only available for contacts who have activated the profile sharing feature on their device.

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

2 Tap **EDIT**, edit your profile, and tap **SAVE**.

3 Tap **☰** → **Profile sharing**, and then tap the switch to activate it.

To use the profile sharing feature, your phone number must be verified. You can view your contacts' updated profile information in **Contacts**.

To change the scope of contacts to share your profile with, tap **Share with**, select an item to share, and then select an option.

Creating groups

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

1 Launch the **Contacts** app and tap **Groups** → **CREATE**.

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**.


Merging duplicate contacts

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

- 1 Launch the **Contacts** app and tap  → **Manage contacts** → **Merge contacts**.
- 2 Tick contacts and tap **MERGE**.

Deleting contacts

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

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

Messages


Introduction

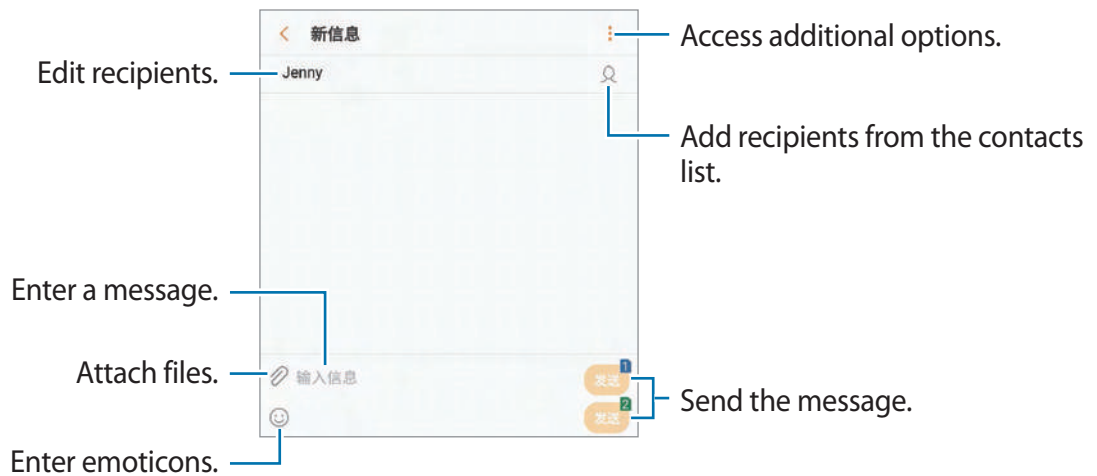
Send and view messages by conversation.

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 **COMPOSE**.
- 3 Enter a message.





- 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**.
- 2 On the messages list, select a contact.
- 3 View your conversation.
To reply to the message, enter a message and tap  or .

Blocking unwanted messages

Block messages from specific numbers added to your block list.

- 1 Launch the **Messages** app and tap  → **Settings** → **Block messages** → **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**.

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.

Setting a message reminder

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

Internet

Introduction

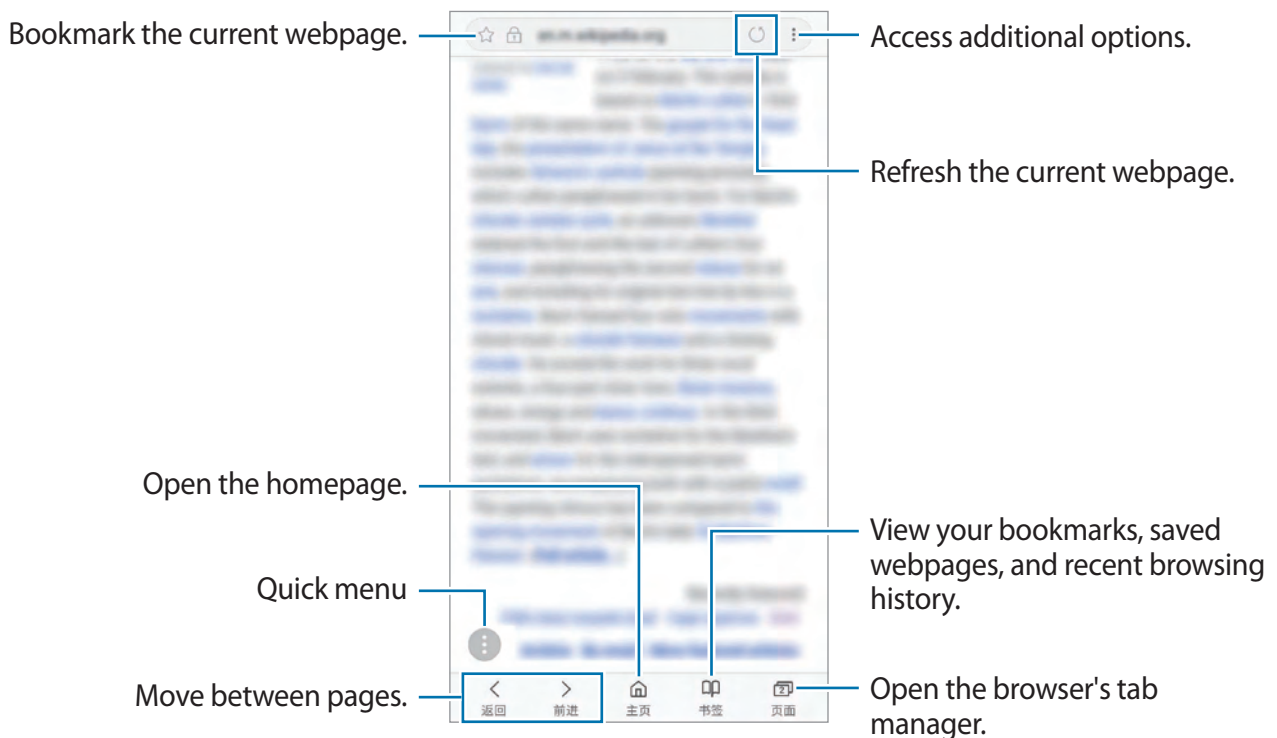
Browse the Internet to search for information and bookmark your favourite webpages to access them conveniently.

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 or irises.

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 biometric 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 or irises as the lock method along with the password, tap the **Fingerprints** or **Irises** switch to activate it. Refer to [Fingerprint recognition](#) or [Iris recognition](#) for more information about using your fingerprints or irises.

Deactivating secret mode



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




Email

Setting up email accounts


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

- 1 Open the **Samsung** folder and launch the **Email** app.
- 2 Select an email service, enter the email address and password, and then tap **SIGN IN**.
To manually register an email account, tap **MANUAL SETUP**.
- 3 Follow the on-screen instructions to complete the setup.

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

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

Sending emails



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

Reading emails

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

Tap an email on the screen to read it.



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

Camera

Introduction


The dual camera's 2x optical zoom and the Dual OIS (Optical Image Stabilisation) feature allow you to take clear and steady photos. When you use the Live focus feature, you can take an out-of-focus photo with the focus on the subject. Moreover, the Dual capture feature allows you to take a close-up photo zoomed in on the subject and a wide angle photo with a broader background, all in one shot. Take photos and record videos using enhanced camera features.

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:

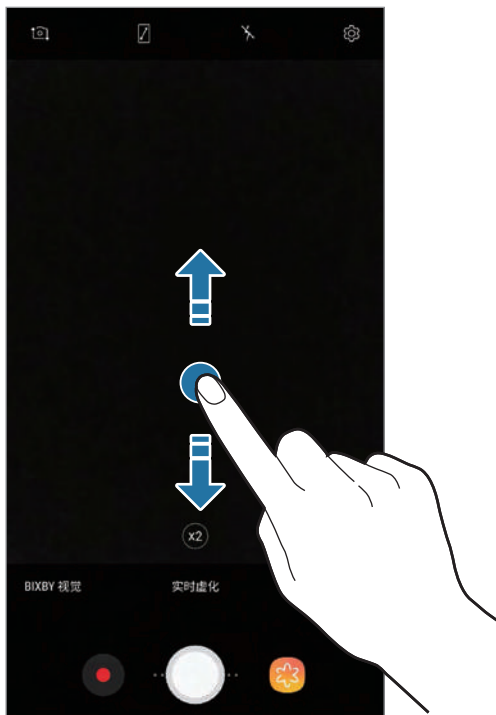
- Launch the **Camera** app.
- Press the Power key twice quickly.
- On the locked screen, drag  outside the circle.



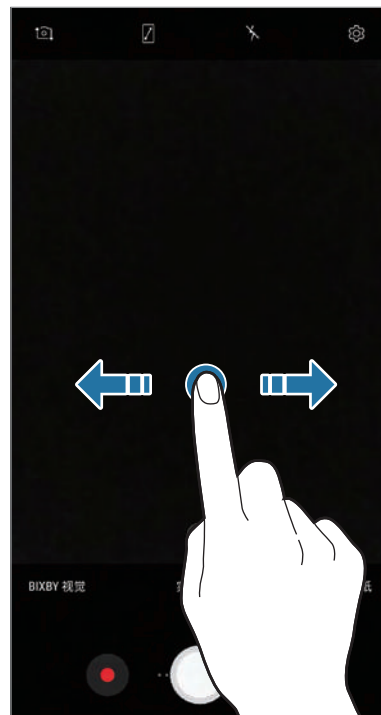
- Some camera features are not available when you launch the **Camera** app from the locked screen or when the screen is turned off while the screen lock method is set.
- If photos you take appear blurry, clean the camera lens and try again.

Using swipe gestures

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






Front camera/Rear camera







Shooting modes/Filters and effects

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 take a series of photos, tap and hold .





- You can add another camera button on the preview screen. Drag  to the location you want on the screen. This feature is available only in **Auto** and **Selfie** modes.
- 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 .
- To use the Bixby Vision features, tap **BIXBY VISION**. Use the camera to recognise objects or locations to search for products online or nearby places. You can also detect text and translate it. Refer to [Bixby Vision](#) for more information.



- 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.

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 **-**.
- Use the 2x optical zoom to get clear photos even when you zoom in on a far-away subject. On the preview screen, tap .



- 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.
- The 2x optical zoom may not work in low-light environments.

HDR (High Dynamic Range)

Use HDR mode to capture photos and videos with rich colours and reproduce details even in bright and dark areas.

On the preview screen, tap  → **HDR (rich tone)** and select an option.



Without effect



With effect

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.

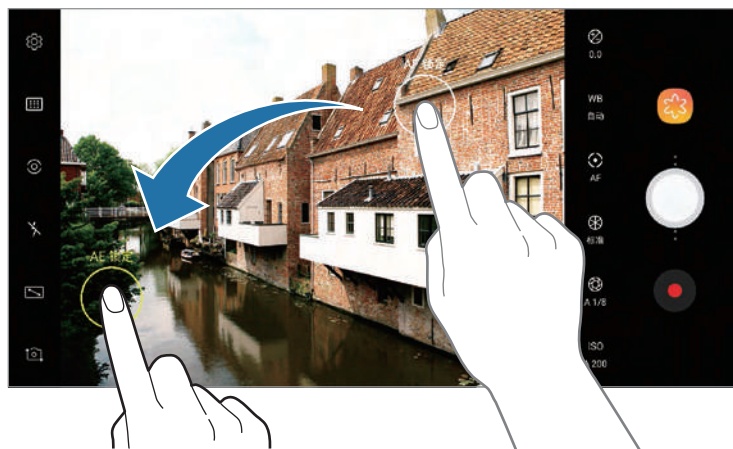
Separating the focus area and the exposure area

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.



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



LIVE FOCUS


The dual camera allows you to take shallow focus photos where the background is blurred and the subject stands out clearly. Moreover, the Dual capture feature allows you to take a close-up photo zoomed in on the subject and a wide angle photo with a broader background, all in one shot.

Taking portraits that stand out using the Live focus feature

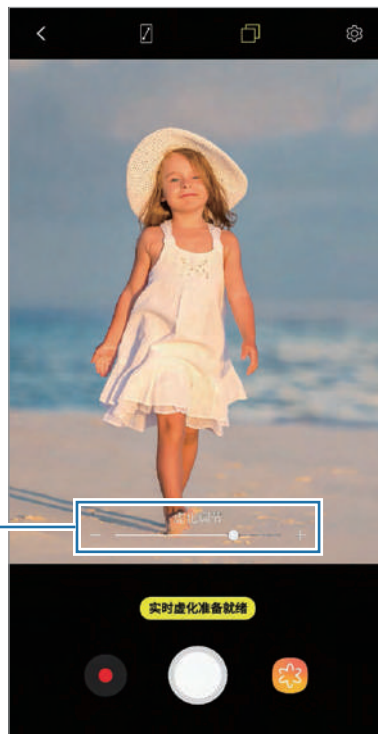
Adjust the background blur level on the preview screen and take a photo that highlights the subject.



- This feature is available only in **Auto** mode.
- Use this feature in a place that has sufficient light.

- 1 On the preview screen, 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.

Background blur adjustment bar





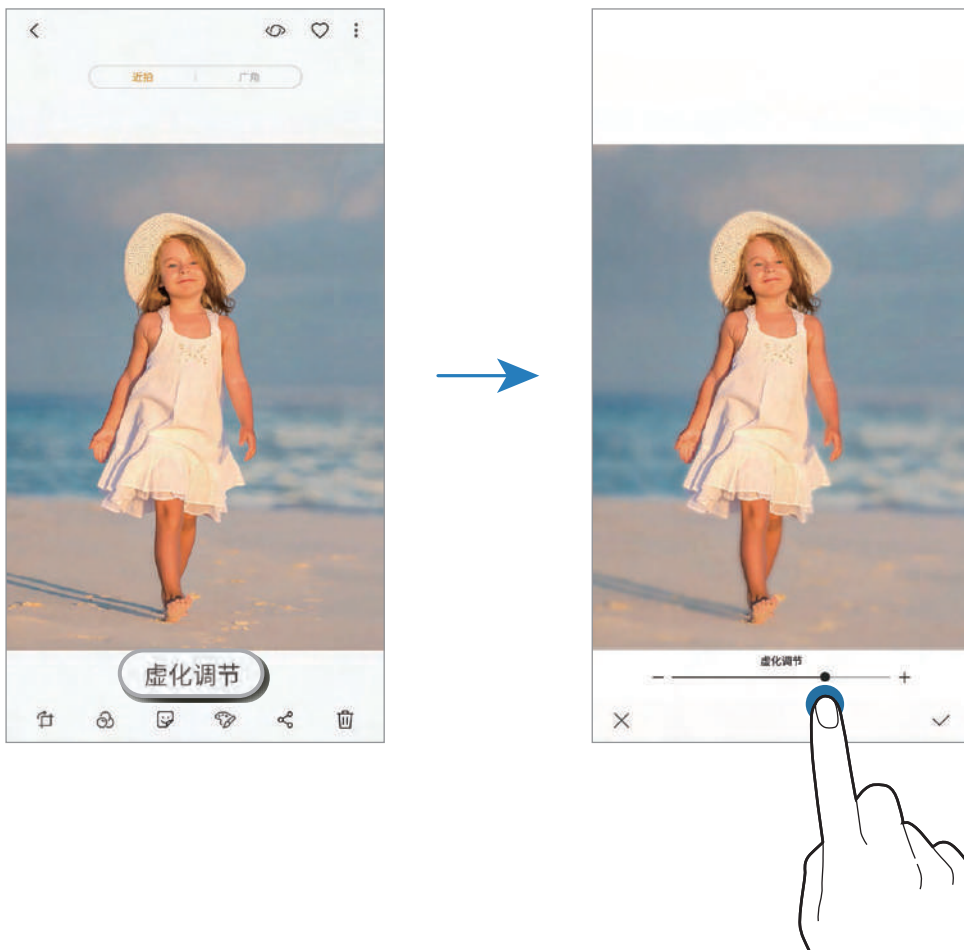
The background blur may not be applied properly in the following conditions:

- 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.

Editing the background blur level of Live focus photos

You can also edit the background blur level of a photo taken with the Live focus feature in **Gallery**.

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



Taking the hidden background with the Dual capture feature

With one shot, you can capture both a close-up photo and a wide angle photo with a broader background. You can view the background scenery which was hidden on the preview screen.



This feature is available only when you use the Live focus feature.

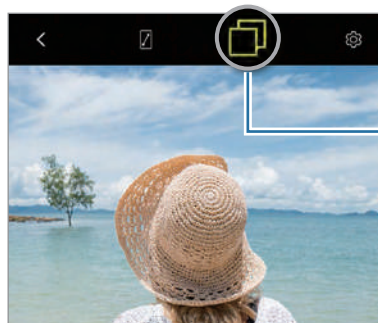


A close-up photo




A wide angle photo

- 1 On the preview screen, tap **LIVE FOCUS**.
- 2 Make sure the Dual capture feature is activated (📷).

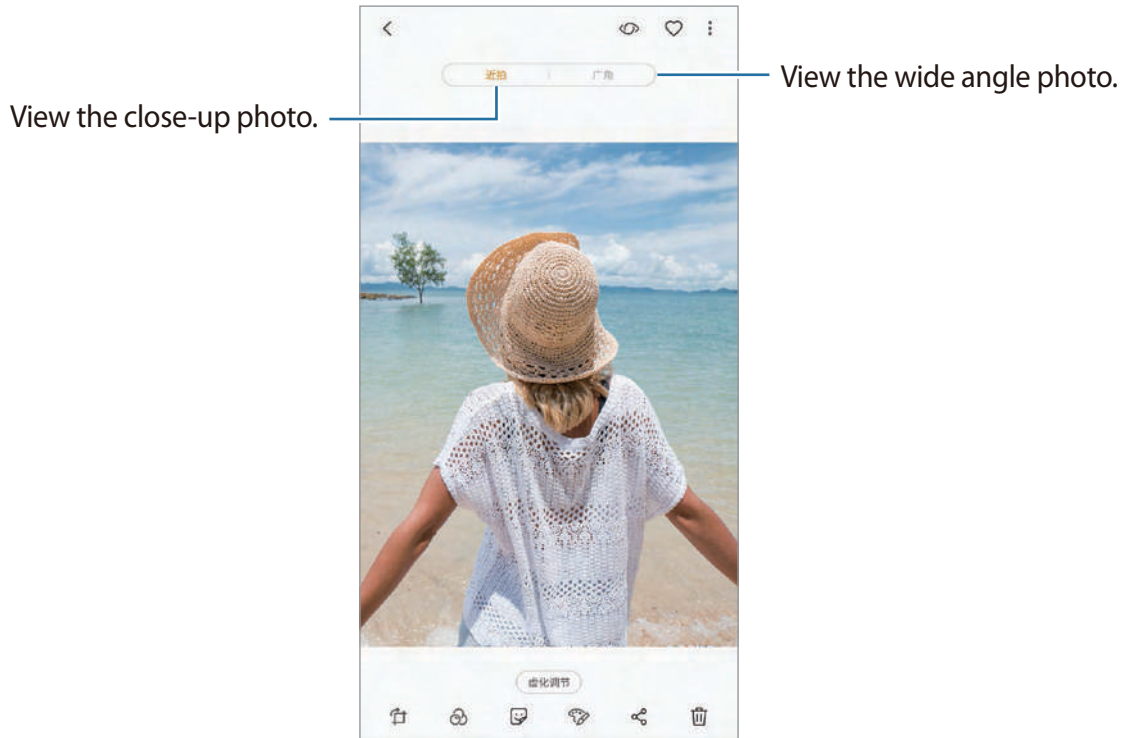


Dual capture feature activated

- 3 Tap  to take a photo.

Viewing dual captured photos

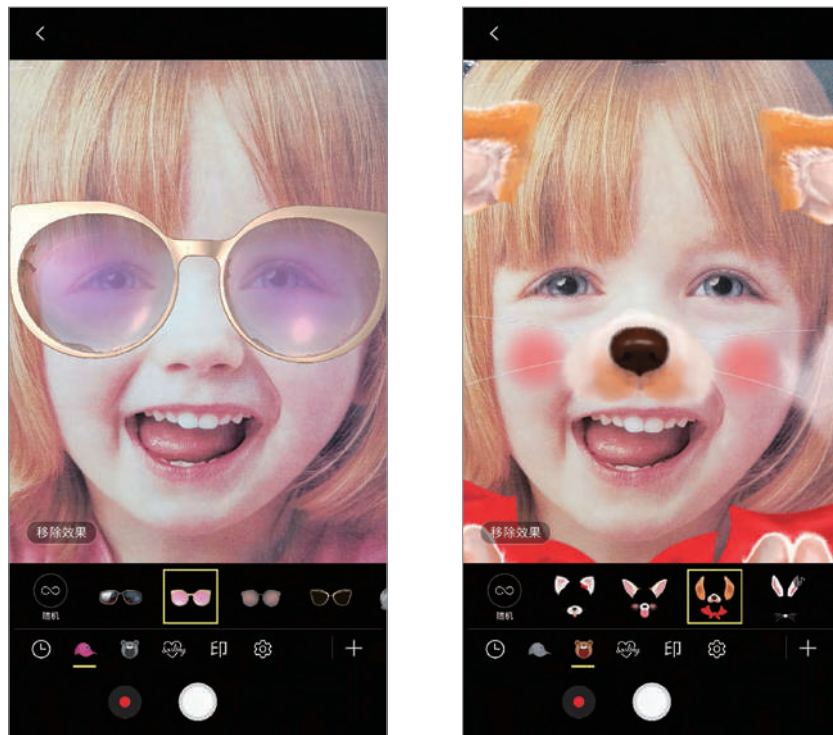
Select a photo taken with the Dual capture feature. To view the wide angle photo with a broader background, tap **WIDE ANGLE**. To view the close-up photo zoomed in on the subject, tap **CLOSE-UP**.





More fun with live stickers

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

- 1 On the preview screen, tap **STICKERS**.
- 2 Tap 🐙 or 🐻 and select a sticker.



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

Applying stickers randomly



You can apply stickers randomly, instead of selecting one from the stickers list. Tap **Random** repeatedly until the sticker you want appears.

Using shooting modes

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

Select a shooting mode you want.



- You can add shortcuts to frequently used shooting modes on the Home screen. On the shooting modes list, tap  → **Add shortcut on Home screen**.
- You can download more shooting modes from **Galaxy Apps**. On the shooting modes list, tap . Some downloaded shooting modes do not have access to every feature.



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

- **ISO** : Select an ISO value. This controls camera light sensitivity. Low values are for stationary or brightly lit objects. Higher values are for fast-moving or poorly lit objects. However, higher ISO settings can result in noise in photos.



If the shutter speed is set manually, you cannot set the ISO setting to **AUTO**.

-  : Adjust the shutter speed. A slow shutter speed allows more light in, so the photo becomes brighter. This is ideal for photos of scenery or photos taken at night. A fast shutter speed allows less light in. This is ideal for taking photos of fast-moving subjects.
-  : Select a colour tone. To create your own colour tone, tap **Tone 1** or **Tone 2**.

-  : Change the focus mode. Drag the adjustment bar towards  or  to manually adjust the focus. To switch to auto focus mode, tap **MANUAL**.
- **WB** : Select an appropriate white balance, so images have a true-to-life colour range. You can set the colour temperature. Tap  and drag your finger on the colour temperature bar.
-  : Change the exposure value. This determines how much light the camera's sensor receives. For low-light situations, use a higher exposure.



If the shutter speed is set manually, you cannot change the exposure value. The exposure value will change and be displayed based on the shutter speed setting.



Panorama mode

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



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

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


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

Taking a motion panorama

You can take and view a panorama with motion.






When taking motion panoramas, sound will not be recorded.

- 1 On the panorama preview screen, make sure the motion feature is activated () and take a motion panorama.
- 2 On the preview screen, tap the preview thumbnail.
- 3 Tap **VIEW AS MOTION PANORAMA**.
The captured motion panorama will be played.
- 4 Tilt the device or swipe on the screen to rotate the captured motion panorama.
To save the motion panorama as a video file, tap **SAVE VIDEO**.





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 **Slow motion**.
 - 2 Tap  to start recording.
 - 3 When you are finished recording, tap  to stop.
 - 4 On the preview screen, tap the preview thumbnail.
 - 5 Tap .
- The fastest 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.

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.

Food mode

Take photos of food with more vibrant colours.


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



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


Virtual shot mode

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

- 1 On the shooting modes list, tap **Virtual shot**.
- 2 Place a subject in the centre of the preview screen and tap .
- 3 Move the device around the subject slowly in one direction to take more photos.
When the arrow becomes completely yellow or when you stop circling the subject, the device will automatically stop taking photos.



Viewing virtual shot photos

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

Anti-fog mode

Take a photo or video in misty conditions.

On the shooting modes list, tap **Anti-fog**.

Tap  and adjust the slide bar to take clearer photos in foggy conditions.


WeChat video mode

Record short videos for up to 10 seconds to share with the WeChat app.

On the shooting modes list, tap **WeChat video**.


Selfie mode

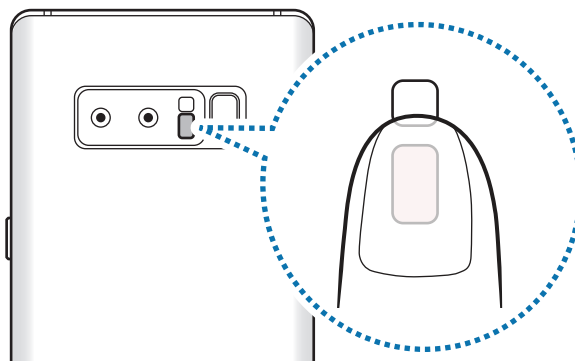
Take self-portraits with the front camera. You can preview various beauty effects on the screen.

- 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 When the device detects your face, tap the heart rate sensor on the back of the device to take a photo of yourself.

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



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




Applying beauty effects

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




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

- 1 On the preview screen, tap .
- 2 Select the options below to apply beauty effects to your face on the preview screen and take a photo of yourself.
 - **Skin Tone:** Make your skin appear brighter and clearer.
 - **Spotlight:** Adjust the brightness and location of the spotlight. To set the location of the spot to highlight or to adjust the brightness, drag the adjustment bar towards the desired level.
 - **Slim Face:** Adjust the face shape and make your face appear slimmer.
 - **Large Eyes:** Make your eyes appear bigger.
 - **Shape correction:** When your face is at the edges of the preview screen, it will appear distorted. Enable this option to correct your face shape. After shape correction, the background may appear slightly distorted.

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 When the device detects your face, tap the heart rate sensor on the back of the device to take a photo of yourself.

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



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

- 5 Slowly swivel the device left and then right or vice versa to take a wide self-portrait.

The device will take additional photos when the white frame moves to each end of the viewfinder window.




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

Taking a wide self-portrait with motion

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





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

- 1 On the wide selfie preview screen, make sure the motion feature is activated () and take a wide self-portrait with motion.
- 2 On the preview screen, tap the preview thumbnail.
- 3 Tap **MOTION WIDE-ANGLE SELFIE**.
The captured wide self-portrait will be played.
- 4 Tilt the device or swipe on the screen to rotate the captured wide self-portrait.
To save the wide self-portrait as a video file, tap **SAVE VIDEO**.

Selective focus mode

Use the out-of-focus effect to make specific objects stand out in a photo by focusing on a subject.

- 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 **Selective focus**.
- 3 Tap the image on the preview screen where the front camera should focus.
- 4 Tap  to take a photo.
- 5 Tap the preview thumbnail.
- 6 Tap **ADJUST BACKGROUND BLUR** and select one of the following:
 - **Near focus:** Make the subject stand out and blur the background around the subject.
 - **Pan focus:** Make the subject and its background stand out.

7 Tap **SAVE**.



- It is recommended that you position subjects within 50 cm of the device. Position the subject that you want to focus on close to the device.
- When taking photos, ensure there is sufficient distance between the subject and the background. The distance should be more than three times the distance between the device and the subject.
- Hold the device steady and remain still while taking a photo.
- The quality of photos taken by the device can be affected in the following conditions:
 - The device or the subject is moving.
 - There is strong background light, low levels of light, or you are taking photos indoors.
 - The subject or background has no pattern, or consists of a plain colour.












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 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.
- : Change the focus area in auto focus mode.  **Multi** focuses on several areas within the frame. Multiple rectangles will appear to indicate the focused areas.  **Center** focuses on the centre within the frame.
- : Create motion panorama photos that can be played as videos. You can view the motion panorama photos at different angles by tilting the device or swiping on the screen.

- : In **Food** mode, focus on a subject inside the circular frame and blur the image outside the frame.
- : Activate or deactivate the Dual capture feature.
- **FHD**: Select a video resolution for videos in WeChat video mode.

Camera settings

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

REAR CAMERA

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

Tap the **Save RAW and JPEG files** switch to set the device to save photos as uncompressed RAW files (DNG file format) in pro mode. RAW files retain all of a photo's data for the best image quality, but they will take up more memory.



When using this feature, each photo is saved in two formats, DNG and JPG.

- **Video size**: Select a resolution for videos. Using a higher resolution will result in higher quality videos, but they will take up more memory.
- **Tracking AF**: Set the device to track and automatically focus on a selected subject. When you select a subject on the preview screen, the device will focus on the subject even if the subject is moving or you change the camera's position.




- When this feature is activated, you cannot use the Video stabilisation feature.
- Tracking a subject may fail in the following conditions:
 - The subject is too big or too small.
 - The subject moves excessively.
 - The subject is backlit or you are shooting in a dark place.
 - Colours or patterns on the subject and the background are the same.
 - The subject includes horizontal patterns, such as blinds.
 - The camera shakes excessively.
 - The video resolution is high.
 - When zooming in or out using the 2x optical zoom.

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

COMMON

- **Motion photo:** Set the device to take a video clip for a few seconds before tapping . This allows you to capture a moment you might have missed. To view the video, tap the preview thumbnail and tap **PLAY MOTION PHOTO**. To capture a still image from the video clip, tap the screen to stop playback and tap **CAPTURE**. This feature is available only in **Auto** and **Selfie** modes.
- **Video stabilization:** Activate anti-shake to reduce or eliminate blurry image resulting from camera shake while recording a video.



When the **Tracking AF** feature is activated, you cannot use this feature.

- **Grid lines:** Display viewfinder guides to help composition when selecting subjects.
- **Location tags:** Attach a GPS location tag to the photo.



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

- **Review pictures:** Set the device to show photos after capturing them.
- **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.
- **Voice control:** Set the device to take photos or record videos with voice commands. You can say “Smile”, “Cheese”, “Capture”, or “Shoot” to take a photo. To record a video, say “Record video”.
- **Floating Camera button:** Add a camera button that you can place anywhere on the screen. This feature is available only in **Auto** and **Selfie** modes.
- **Volume key function:** 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.
- **Detect QR codes:** Enable or disable the QR code reader.
- **Reset settings:** Reset the camera settings.
- **Contact us:** Ask questions or view frequently asked questions. Refer to [Samsung Members](#) for more information.

Gallery

Introduction

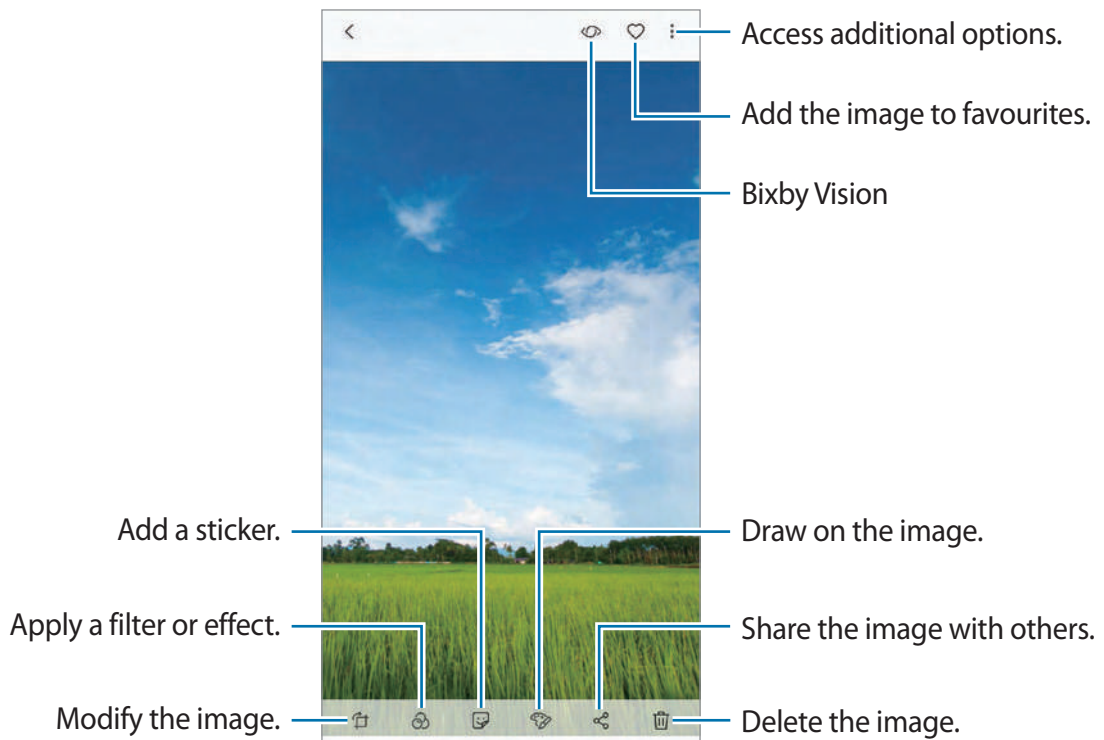
View images and videos stored in your device. You can also manage images and videos by album or create stories.



Viewing images and videos

Viewing images

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



You can create a GIF animation or collage from multiple images. Tap **⋮** → **Animate** or **Collage**, and then select images.

Editing the background blur level of Live focus photos

You can edit the background blur level of a photo taken with the Live Focus feature.


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

Viewing photos taken with the Dual capture feature

View the close-up photo and the wide angle photo taken with the Dual capture feature.


Launch the **Gallery** app, select a photo taken with the Dual capture feature, and then tap **WIDE ANGLE** or **CLOSE-UP**.

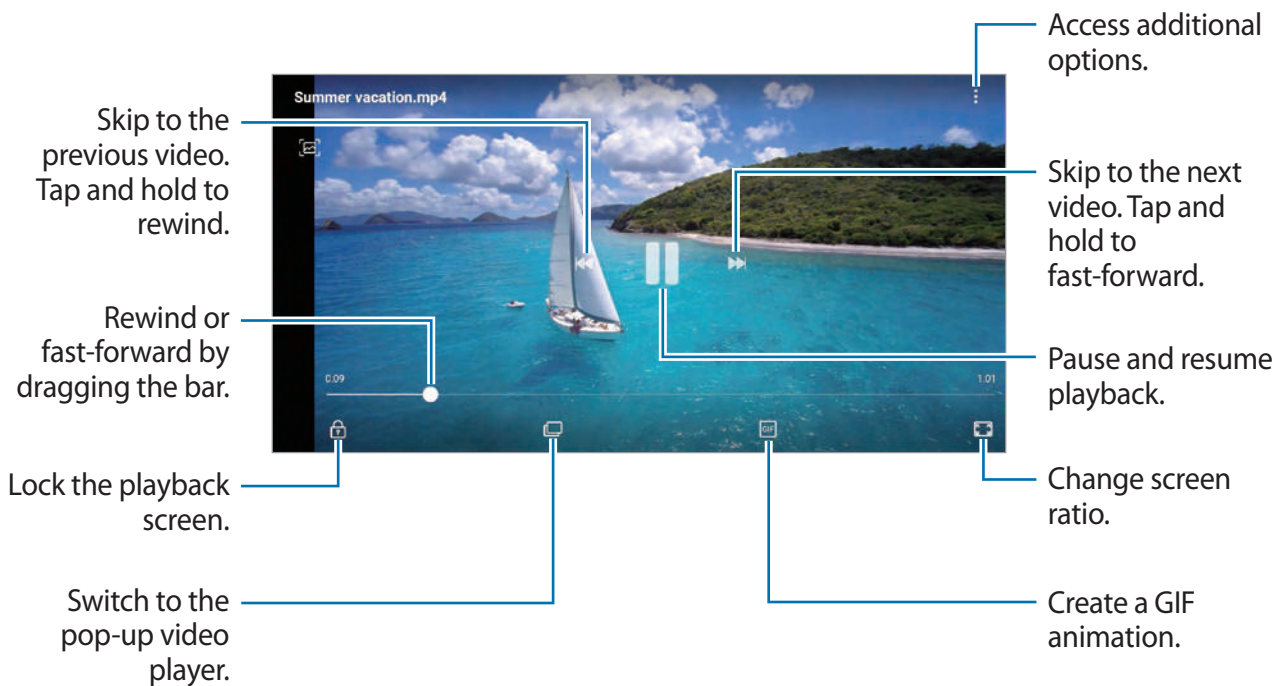
Searching for images

Launch the **Gallery** app and tap  to view images sorted by category, such as location, documents, type, and more.

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

Viewing videos

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



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.

Using the Video enhancer feature

Enhance the image quality of your videos to enjoy brighter and more vivid colours. Launch the **Settings** app, tap **Advanced features**, and then tap the **Video enhancer** switch to activate it.



- This feature is only available in some apps.
- Using this feature will increase battery consumption.

Viewing albums

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

Viewing stories



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

Creating stories

Create stories with various themes.

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

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


To remove images or videos from a story, select a story, tap  → **Edit**, tick images or videos to remove, and then tap  → **Remove from story**.

Deleting stories

- 1 Launch the **Gallery** app and tap **STORIES**.
- 2 Tap and hold a story to delete, and tap **DELETE**.

Syncing images and videos with Samsung Cloud

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

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

Deleting images or videos

Deleting an image or a video

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

Deleting multiple images and videos

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

Always On Display

You can always view information, such as the clock or calendar, or control music playback on the screen when it is turned off.

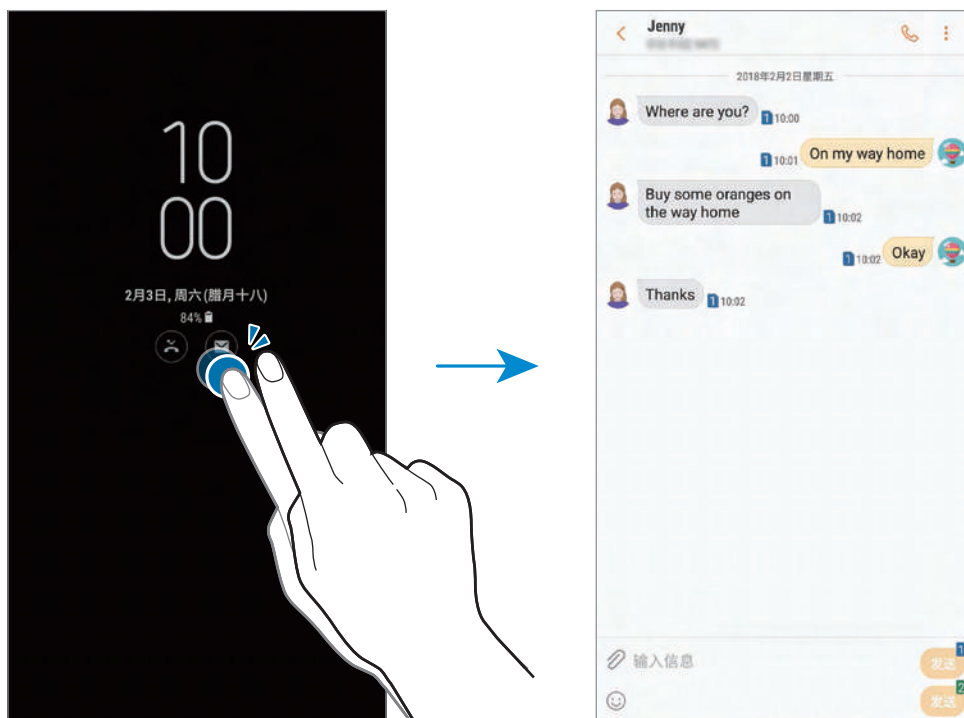
You can also check notifications or pin a screen off memo on the screen.



- The brightness of the Always On Display may change automatically depending on the lighting conditions.
- If the sensor at the top of the device is covered for a certain period, the Always On Display will turn off.

Opening notifications on the Always On Display

When you receive message, missed call, or app notifications, notification icons will appear on the Always On Display. Double-tap a notification icon to view its notification.



If the screen is locked, you must unlock it to view notifications.

Controlling music playback on the Always On Display

You can control music playback on the Always On Display, without turning on the screen.

- 1 Launch the **Settings** app, tap **Lock screen and security** → **Clock and FaceWidgets** → **FaceWidgets**, and then tap the **Music controller** switch to activate it.
- 2 To control music playback on the Always On Display, double-tap the clock.
- 3 Swipe to the left or right on the clock to move to the music controller.
- 4 Tap the icons to control the playback.

Pinning a screen off memo on the Always On Display

You can create a memo without turning on the screen and pin the memo on the Always On Display. Refer to [Screen off memo](#) for more information.

Changing the schedule for the Always On Display feature

Launch the **Settings** app, tap **Lock screen and security** → **Always On Display** → **Set schedule** and set the start and end time.

To always display the Always On Display, tap the **Show always** switch to activate it.

Deactivating the Always On Display feature

Launch the **Settings** app, tap **Lock screen and security**, and then tap the **Always On Display** switch to deactivate it.

Edge screen

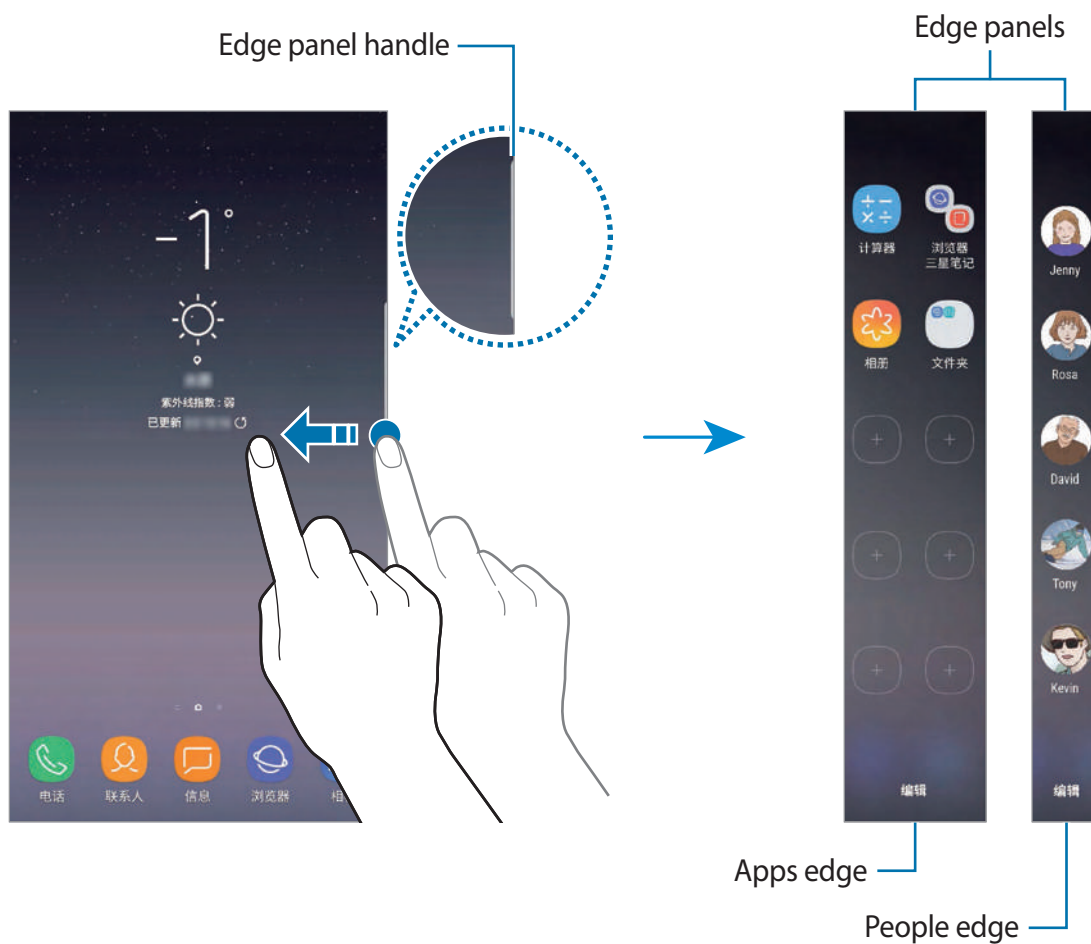
Introduction

You can quickly access your favourite apps, features, and contacts from various Edge panels.

Using the Edge panels





Drag the Edge panel handle towards the centre of the screen. Then, swipe to the left or right to switch between the Edge panels.

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




Editing the Edge panels

Select panels to display on the Edge screen or edit them.

- 1 Drag the Edge panel handle towards the centre of the screen.
- 2 Tap  to open the Edge panel settings screen.
- 3 Tick Edge panels to display.
To edit a panel, tap **EDIT**.
To download additional panels, tap **DOWNLOAD**.
To rearrange panels, tap  → **Reorder** and drag   to another location.

Setting the Edge panel handle

You can change the location, size, transparency, or vibration settings of the handle.



Drag the Edge panel handle towards the centre of the screen. Then, tap  →  → **Edge panel handle**.

Apps edge


Quickly launch frequently used apps.

- 1 Drag the Edge panel handle towards the centre of the screen.
- 2 Swipe to the left or right to open the Apps edge panel.
- 3 Select an app to launch it.

Editing the Apps edge panel


- To add an app, tap  on the panel and tap an app from the apps list.
- To create a folder on the panel, tap  on the panel, tap and hold an app from the apps list, and then drag it over another app on the Apps edge panel. Drop the app when a folder frame appears around the apps.
- To delete an app, tap and hold an app on the panel and drag it to **Remove** at the top of the panel.
- To change the order of apps, tap and hold an app and drag it to another location.



You can also edit the Apps edge panel by tapping  and then tapping **EDIT** under the Apps edge.

Adding app pairs

Add two frequently used apps, such as a video player and a messenger app, to the Apps edge panel to launch them together in the split screen view with a single tap. For more information about the split screen view, refer to [Split screen view](#).

- 1 Drag the Edge panel handle towards the centre of the screen.
- 2 Swipe to the left or right to open the Apps edge panel.
- 3 Tap  → **Create App pair**.
- 4 Select two apps from the list.
The first app will appear at the top and the second app will appear at the bottom when opened in the split screen view.
- 5 Tap **DONE**.