

SAMSUNG



USER MANUAL



B0
B0/DS
B1
B1/DS
B2
B2/DS



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Basics



Read me first

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

- Descriptions are based on the device's default settings.
- Some content may differ from your device depending on the region, service provider, model specifications, or device's software.
- Content (high quality content) that requires high CPU and RAM usage will affect the overall performance of the device. Apps related to the content may not work properly depending on the device's specifications and the environment that it is used in.
- Samsung is not liable for performance issues caused by apps supplied by providers other than Samsung.
- Samsung is not liable for performance issues or incompatibilities caused by edited registry settings or modified operating system software. Attempting to customise the operating system may cause the device or apps to work improperly.
- Software, sound sources, wallpapers, images, and other media provided with this device are licensed for limited use. Extracting and using these materials for commercial or other purposes is an infringement of copyright laws. Users are entirely responsible for illegal use of media.
- You may incur additional charges for data services, such as messaging, uploading and downloading, auto-syncing, or using location services depending on your data plan. For large data transfers, it is recommended to use the Wi-Fi feature.
- Default apps that come with the device are subject to updates and may no longer be supported without prior notice. If you have questions about an app provided with the device, contact a Samsung Service Centre. For user-installed apps, contact service providers.



- Modifying the device's operating system or installing softwares from unofficial sources may result in device malfunctions and data corruption or loss. These actions are violations of your Samsung licence agreement and will void your warranty.
- Depending on the region or service provider, a screen protector is attached for protection during production and distribution. Damage to the attached screen protector is not covered by the warranty.
- You can see the touchscreen clearly even in strong outdoor sunlight by automatically adjusting the contrast range based on the surrounding environment. Due to the nature of the product, displaying fixed graphics for extended periods may result in afterimages (screen burn-in) or ghosting.
 - It is recommended not to use fixed graphics on part or all of the touchscreen for extended periods and turn off the touchscreen when not using the device.
 - You can set the touchscreen to turn off automatically when you are not using it. Launch the **Settings** app, tap **Display** → **Screen timeout**, and then select the length of time you want the device to wait before turning off the touchscreen.
 - To set the touchscreen to automatically adjust its brightness based on the surrounding environment, launch the **Settings** app, tap **Display**, and then tap the **Adaptive brightness** switch to activate it.
- Depending on the region or model, some devices are required to receive approval from the Federal Communications Commission (FCC). If your device is approved by the FCC, you can view the FCC ID of the device. To view the FCC ID, launch the **Settings** app and tap **About phone** → **Status**.
- Depending on the region, you can view the regulatory information on the device. To view the information, launch the **Settings** app and tap **About phone** → **Regulatory information**.



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, swimming pool water, soapy water, oil, perfume, sunscreen, hand cleaner, or chemical products such as cosmetics, 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 fast charging, the device may feel hotter to the touch. This does not affect the device's lifespan or performance and is in the device's normal range of operation. If the battery becomes too hot, the charger may stop charging.

Do the following when the device heats up:

- Disconnect the charger from the device and close any running apps. Wait for the device to cool down and then begin charging the device again.
- If the lower part of the device overheats, it could be because the connected USB cable is damaged. Replace the damaged USB cable with a new Samsung-approved one.
- When using a wireless charger, do not place foreign materials, such as metal objects, magnets, and magnetic stripe cards, between the device and the wireless charger.



The wireless charging or fast charging feature is only available on supported models.

When the device heats up during use

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

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

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



Do the following when the device heats up:

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

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.

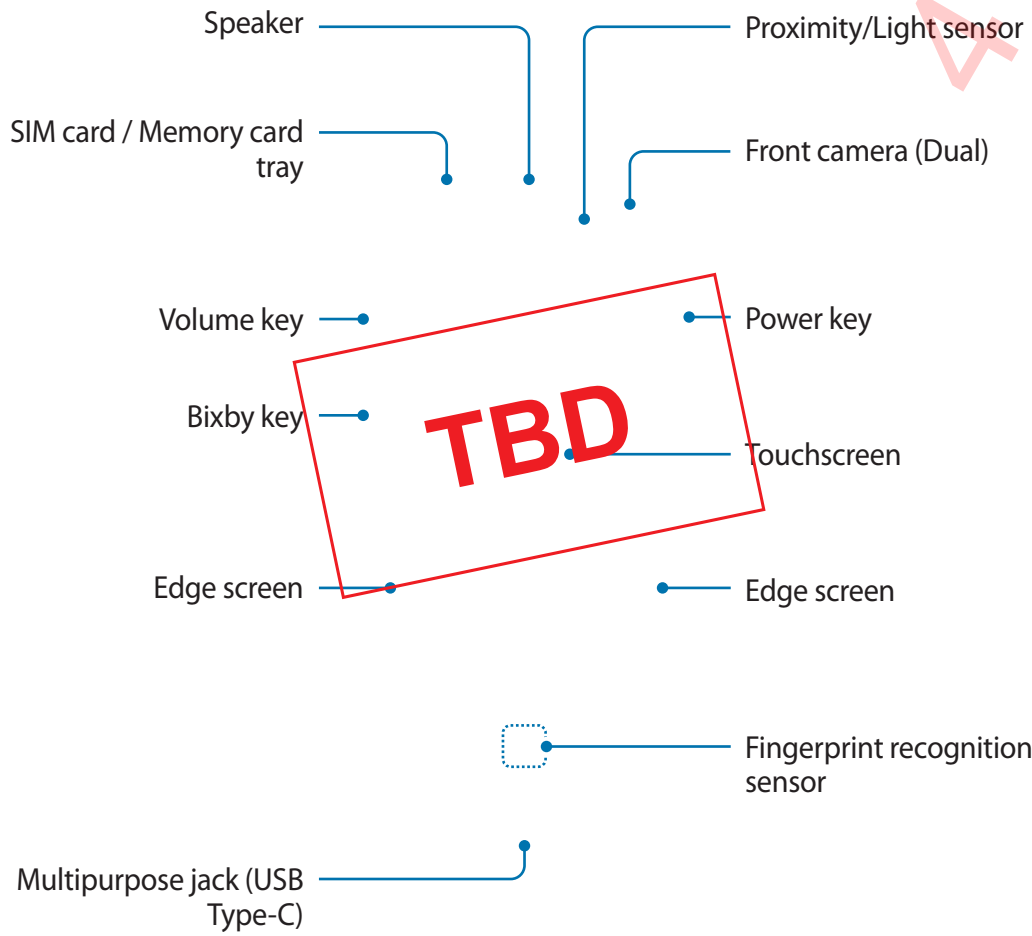


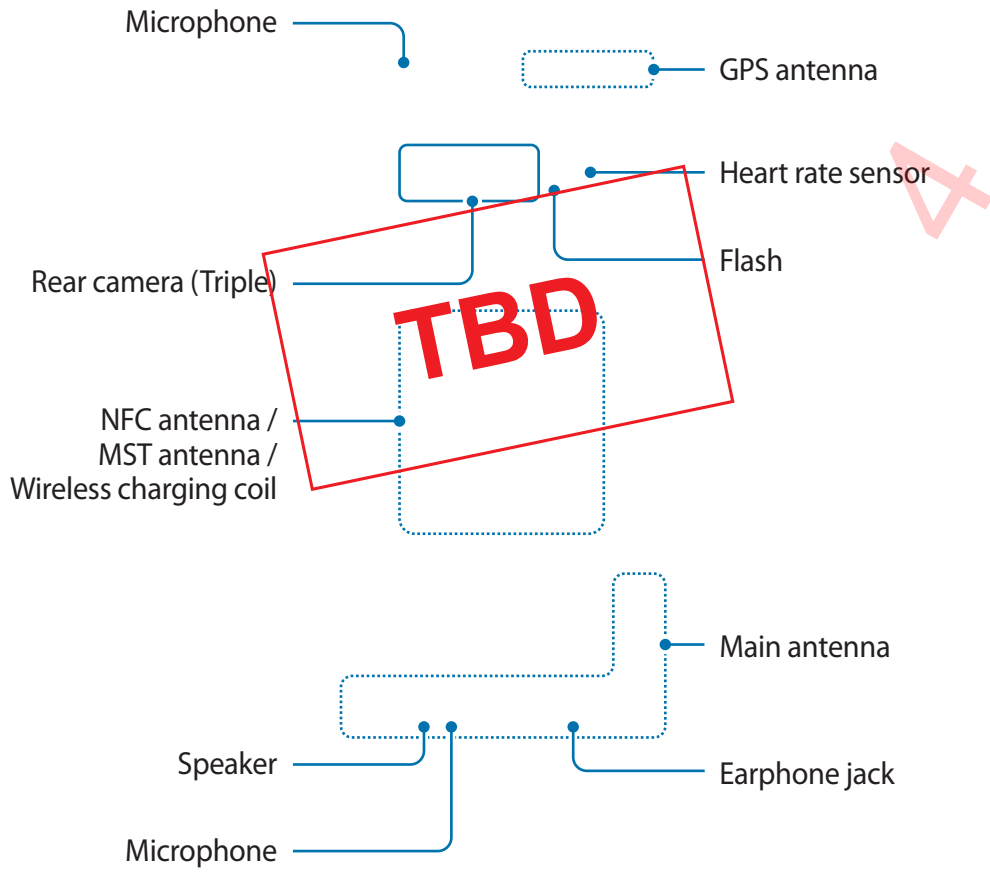
- The items supplied with the device and any available accessories may vary depending on the region or service provider.
- The supplied items are designed only for this device and may not be compatible with other devices.
- Appearances and specifications are subject to change without prior notice.
-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



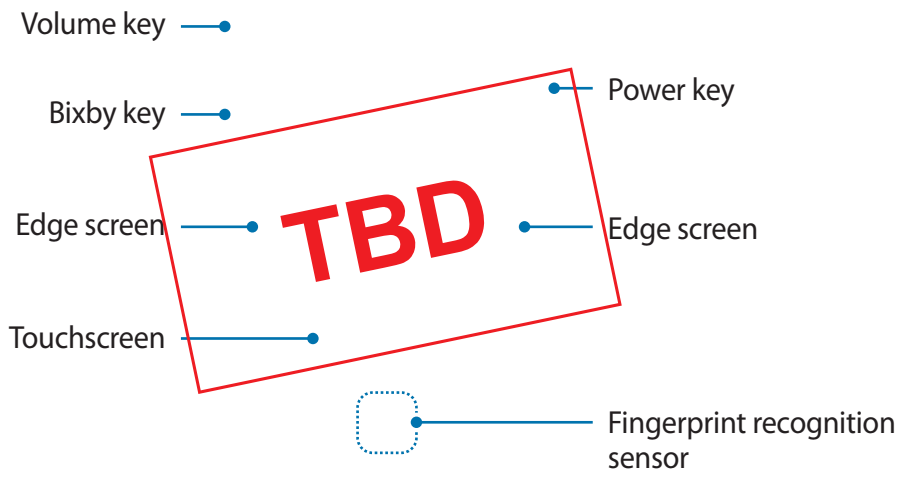
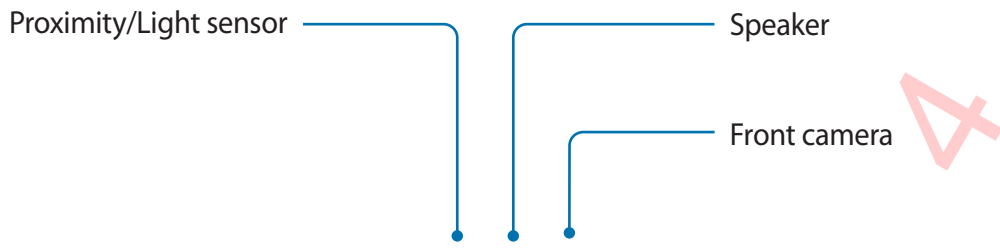
Device layout

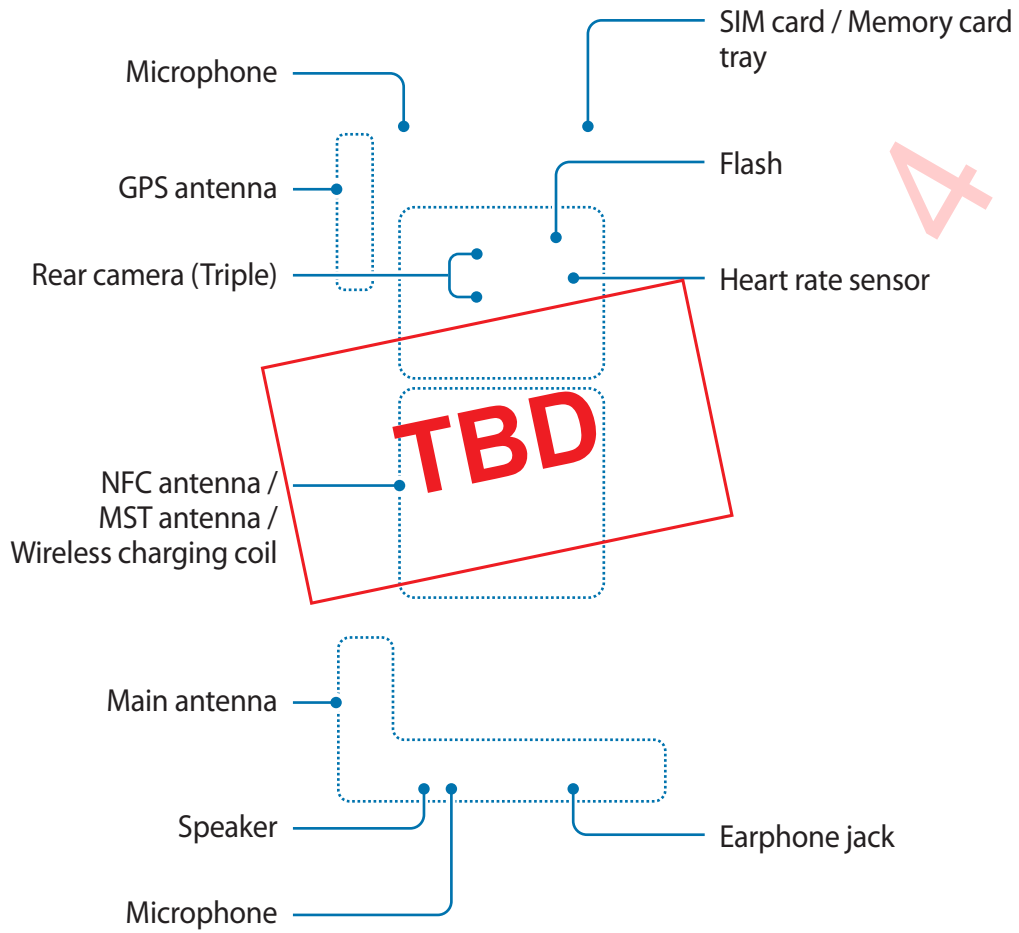
► Galaxy S10+:



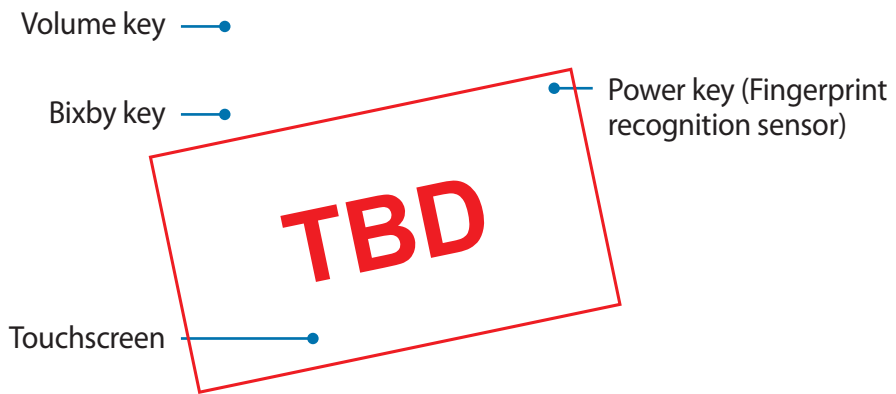
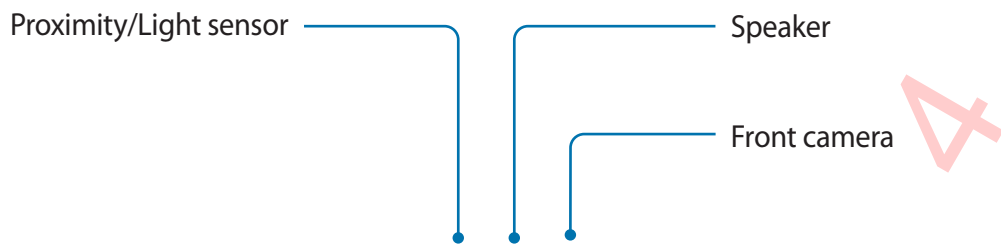


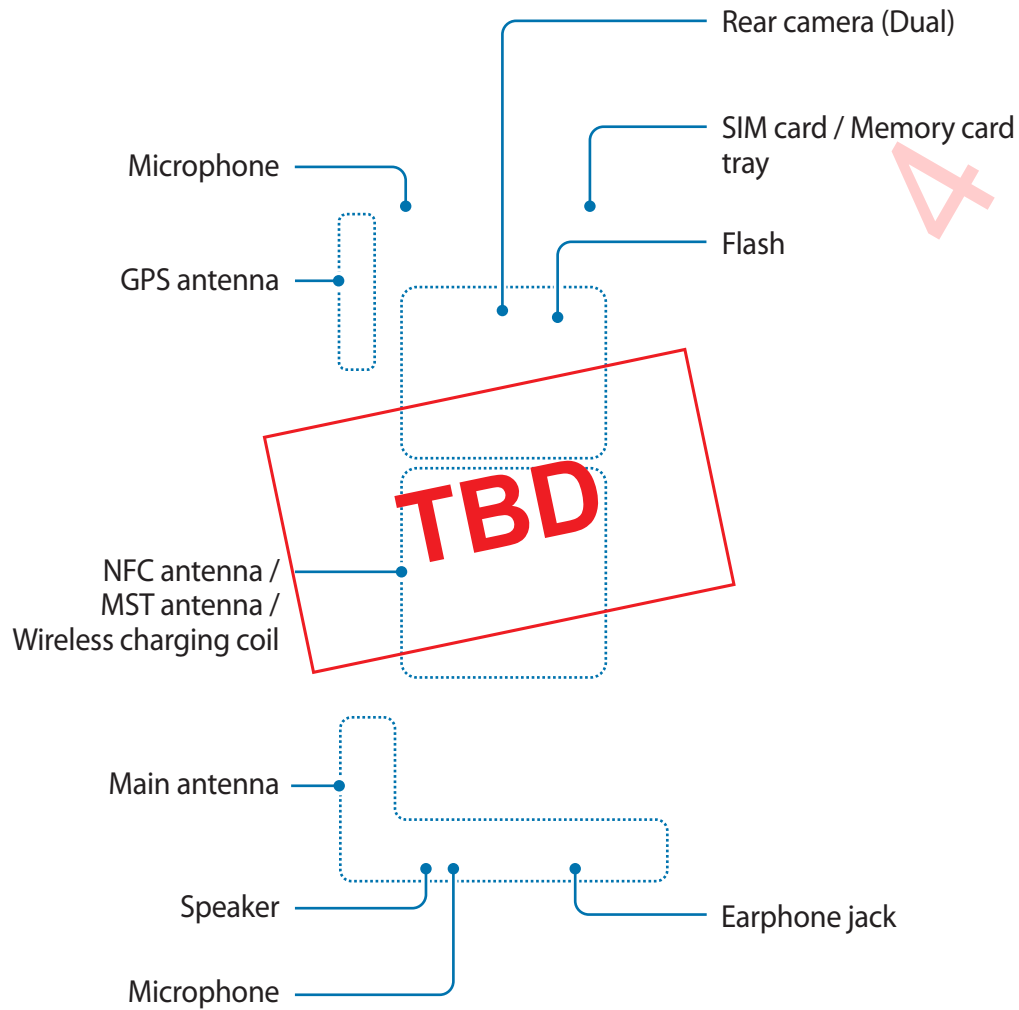
► Galaxy S10:





► Galaxy S10e:





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

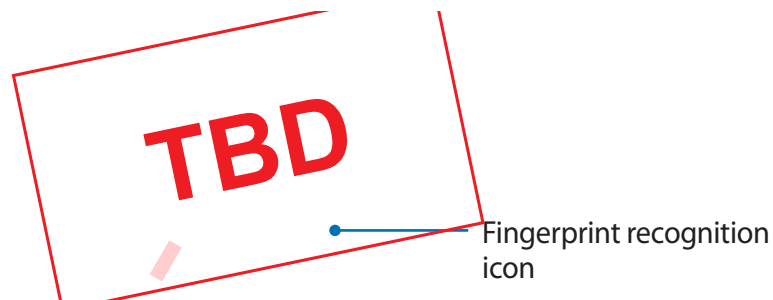




- Connectivity problems and battery drain may occur in the following situations:
 - If you attach metallic stickers on the antenna area of the device
 - If you attach a device cover made with metallic material to the device
 - If you cover the device's antenna area with your hands or other objects while using certain features, such as calls or the mobile data connection
- 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. (Galaxy S10+, Galaxy S10)

Fingerprint recognition sensor (Galaxy S10+, Galaxy S10)

The device contains a fingerprint recognition sensor at the bottom of the screen. After you register your fingerprints, the fingerprint recognition icon will appear. Refer to [Fingerprint recognition](#) for more information.

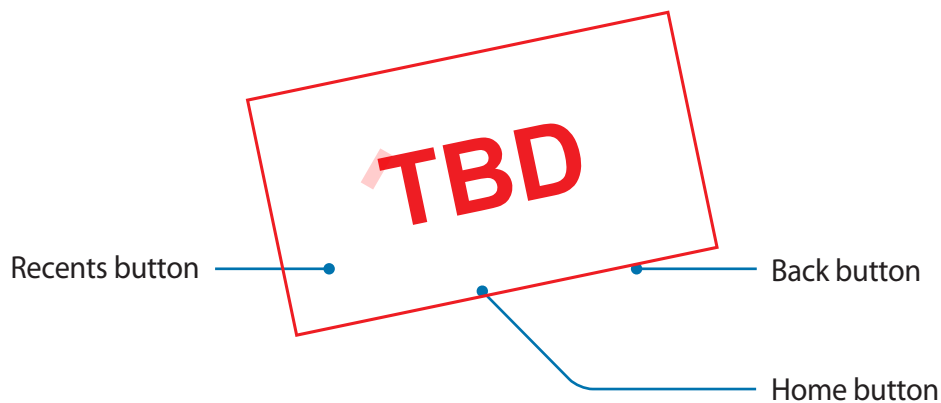


Hard keys



| 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 launch Bixby. Refer to Bixby for more information. Press and hold to start a conversation with Bixby. Refer to Using Bixby for more information. |
| Volume | <ul style="list-style-type: none"> Press to adjust the device volume. |

Soft buttons



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

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.
- Use only USB Type-C cable supplied with the device. The device may be damaged if you use Micro USB cable.



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

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

TBD

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



Reducing the battery consumption

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

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

Battery charging tips and precautions

- When the battery power is low, the battery icon appears empty.
- If the battery is completely discharged, the device cannot be turned on immediately when the charger is connected. Allow a depleted battery to charge for a few minutes before turning on the device.
- If you use multiple apps at once, network apps, or apps that need a connection to another device, the battery will drain quickly. To avoid losing power during a data transfer, always use these apps after fully charging the battery.
- Using a power source other than the charger, such as a computer, may result in a slower charging speed due to a lower electric current.



- The device can be used while it is charging, but it may take longer to fully charge the battery.
- If the device receives an unstable power supply while charging, the touchscreen may not function. If this happens, unplug the charger from the device.
- While charging, the device and the charger may heat up. This is normal and should not affect the device's lifespan or performance. If the battery gets hotter than usual, the charger may stop charging.
- If you charge the device while the multipurpose jack is wet, the device may be damaged. Thoroughly dry the multipurpose jack before charging the device.
- If the device is not charging properly, take the device and the charger to a Samsung Service Centre.

Fast charging

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

Increasing the charging speed

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

If the fast charging feature is not activated, launch the **Settings** app, tap **Device care** → **Battery** → ⋮ → **Settings**, and then tap the **Fast cable charging** switch to activate it.



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




Wireless charging

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



Fast wireless charging

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

If the fast wireless charging feature is not activated, launch the **Settings** app, tap **Device care** → **Battery** →  → **Settings**, and then tap the **Fast 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 fast 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 notification panel. 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.

Wireless PowerShare

You can charge another device with your device's battery. You can still charge another device even while charging your device. Depending on the type of accessories or cover being used, the Wireless PowerShare feature may not work properly. It is recommended to remove any accessories and cover being used before using this feature.



Do not use earphones while sharing power.

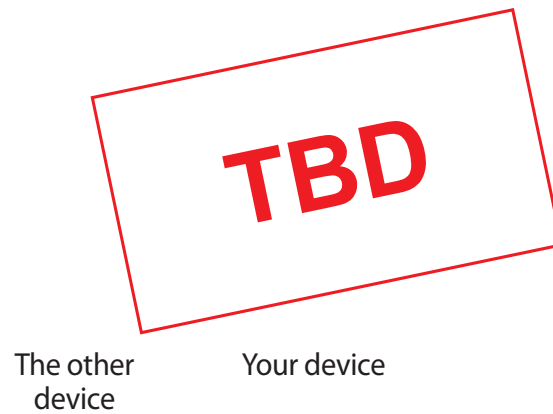
1 Open the notification panel and tap  (Power share) to activate it.



2 Place the other device on the centre of your device, with their backs facing.



- When charging starts, a notification sound or vibration will occur.
- The location of the wireless charging coil may vary by device model. Adjust the devices to connect with each other properly.
- Using this feature may affect call reception or data services, depending on your network environment.



3 When you are finished charging, disconnect the other device from your device.



- Only devices that support the wireless charging feature can be charged using this feature. Some devices may not be charged.
- To charge properly, do not move or use either device while charging.
- If you charge the other device while charging your device, the charging speed may decrease or the device may not charge properly depending on the charger type.
- If the remaining battery power drops below a certain level, power sharing will stop.



SIM or USIM card (nano-SIM card)

Installing the SIM or USIM card

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

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



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



Some LTE services may not be available depending on the service provider. For more information about service availability, contact your service provider.

► Single SIM models:

TBD

► Dual SIM models:


TBD

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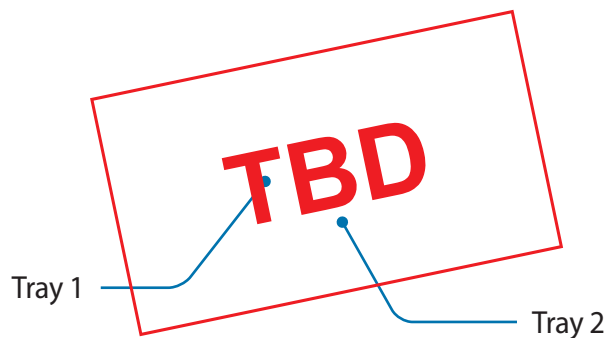
1 Insert the ejection pin into the hole on the tray to loosen the tray.

 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 ▶ **Single SIM models:** Place the SIM or USIM card on the tray 1 with the gold-coloured contacts facing downwards.


▶ **Dual SIM models:** Place the SIM or USIM card on the tray with the gold-coloured contacts facing downwards. Place the primary SIM or USIM card on the tray 1 (1) and the secondary SIM or USIM card on the tray 2 (2).



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

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

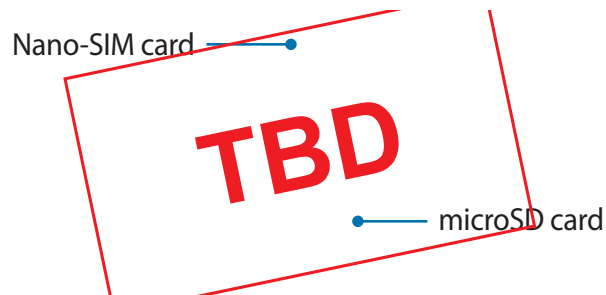
5 Insert the tray back into the tray slot.

 • If you insert the tray into your device while the tray is wet, your device may be damaged. Always make sure the tray is dry.

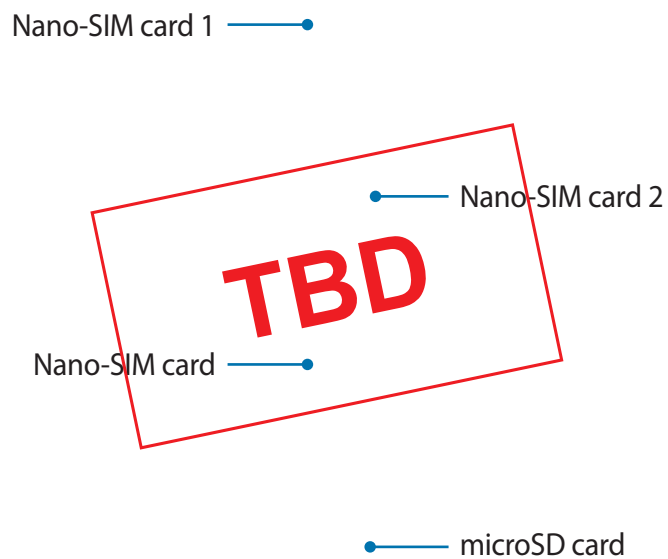
• Fully insert the tray into the tray slot to prevent liquid from entering your device.

Correct card installation

► Single SIM models:



► Dual SIM models:



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



Using dual SIM or USIM cards (dual SIM models)

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

Activating SIM or USIM cards

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

Customising SIM or USIM cards

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

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

Setting preferred SIM or USIM cards

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



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

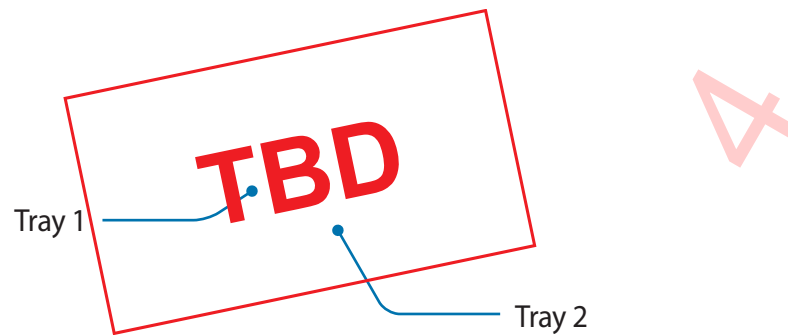
 Ensure that the ejection pin is perpendicular to the hole. Otherwise, the device may be damaged.

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.




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



- 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.


- Insert the tray back into the tray slot.

 • If you insert the tray into your device while the tray is wet, your device may be damaged. Always make sure the tray is dry.

- Fully insert the tray into the tray slot to prevent liquid from entering your device.

Removing the memory card

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

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


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

- 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 **Device care** → **Storage** →  → **Storage settings** → **SD card** → **Format**.

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

Turning the device on and off

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**.

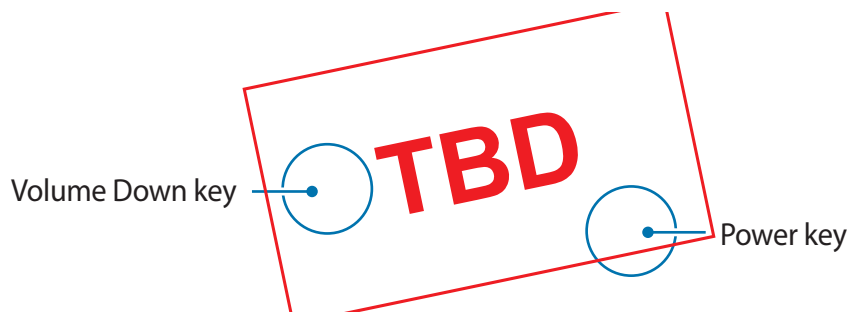


Follow all posted warnings and directions from authorised personnel in areas where the use of wireless devices is restricted, such as aeroplanes and hospitals.

Restarting the device

To restart the device, press and hold the Power key, and then tap **Restart**.

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



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**.



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.

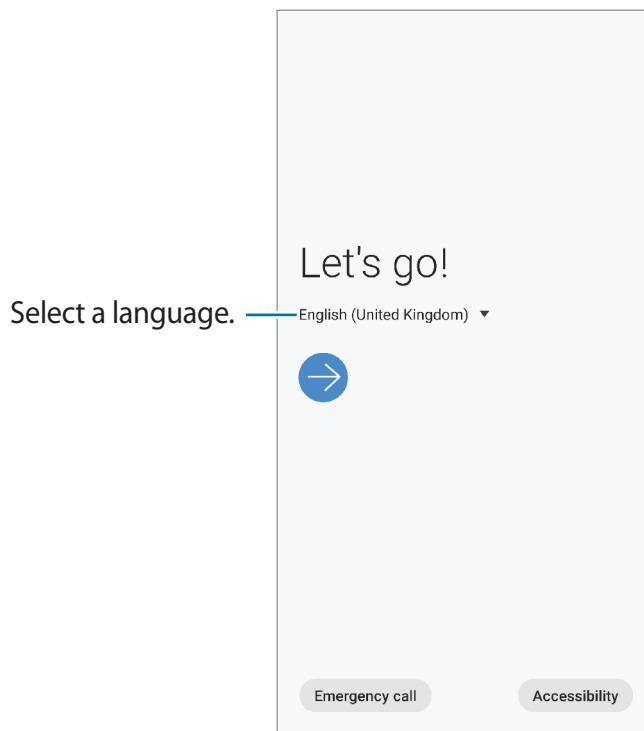


- The initial setup procedures may vary depending on the device's software and your region.
- You can set up your device with Bixby depending on the selected device language.

1 Turn on the device.




- 2 Select your preferred device language and select .



- 3 Read and agree to the terms and conditions and tap **Next**.

- 4 Get your content from a previous device.

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

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

- 6 Follow the on-screen instructions to proceed the initial setup.

- 7 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 **Not now**.
- 8 If the recommended apps screen appears, select apps you want and download them.
- 9 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.


Samsung account

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

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

Creating a Samsung account

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

- 1 Launch the **Settings** app and tap **Accounts and backup** → **Accounts** → **Add account** → **Samsung account**.
Alternatively, launch the **Settings** app and tap .
- 2 Tap **Create account**.
- 3 Follow the on-screen instructions to complete creating your account.



Signing in to your Samsung account

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

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

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

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

If a pop-up window about using biometric data appears, tap **Register**. You can verify your Samsung account password via your biometric data, such as fingerprints. Refer to [Samsung Pass](#) for more information.


- 3 Read and agree to the terms and conditions and tap **Next** to finish registering your Samsung account.

Finding your ID and resetting your password

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

Removing your Samsung account

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

- 1 Launch the **Settings** app and tap **Accounts and backup** → **Accounts**.
- 2 Tap **Samsung account** →  → **Remove account**.
- 3 Tap **Remove**, enter your Samsung account password, and then tap **OK**.



Transferring data from your previous device (Smart Switch)

You can use Smart Switch to transfer data from your previous device to your new device. Launch the **Settings** app and tap **Accounts and backup** → **Smart Switch**.



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

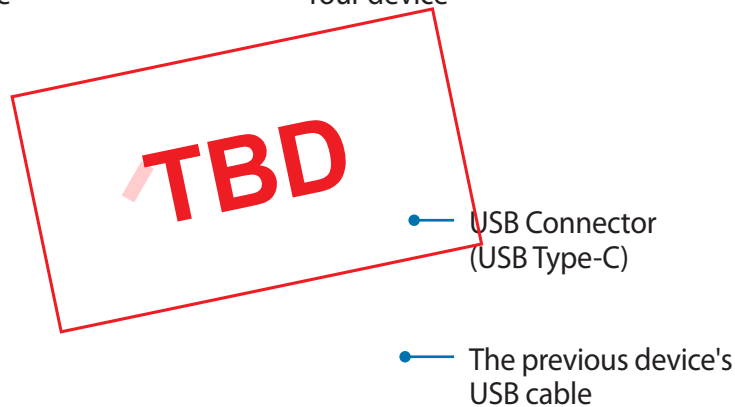
Transferring data using a USB connector (USB Type-C)

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.

Previous device

Your device



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

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

If you do not have the app, download it from **Galaxy Store** or **Play Store**.

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

5 Select an item to bring and tap **TRANSFER**.

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

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

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

1 On the previous device, launch **Smart Switch**.

If you do not have the app, download it from **Galaxy Store** or **Play Store**.

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

3 Place the devices near each other.


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



- 5 On the previous device, select an item to transfer and tap **SEND**.
- 6 On your device, tap **RECEIVE**.
- 7 Follow the on-screen instructions to transfer data from your previous device.
After the data is done transferring, you can view a list of the transferred data on your device.



Backing up and restoring data using external storage

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

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

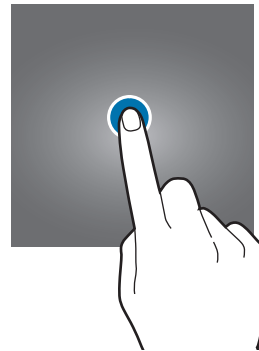
Understanding the screen

Controlling the touchscreen

- 
 - Do not allow the touchscreen to come into contact with other electrical devices. Electrostatic discharges can cause the touchscreen to malfunction.
 - To avoid damaging the touchscreen, do not tap it with anything sharp or apply excessive pressure to it with your fingertips.
 - It is recommended not to use fixed graphics on part or all of the touchscreen for extended periods. Doing so may result in afterimages (screen burn-in) or ghosting.
- 
 - The device may not recognise touch inputs close to the edges of the screen, which are outside of the touch input area.
 - It is recommended to use fingers when you use the touchscreen.

Tapping

Tap the screen.



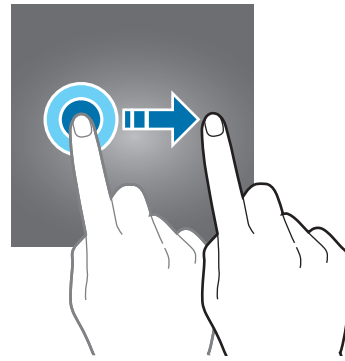
Tapping and holding

Tap and hold the screen for approximately 2 seconds.



Dragging

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



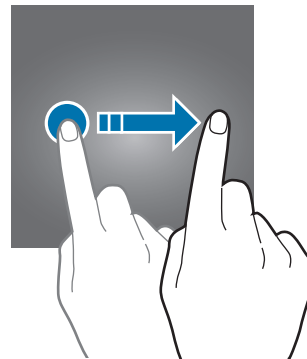
Double-tapping

Double-tap the screen.



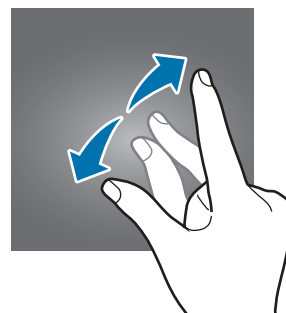
Swiping

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



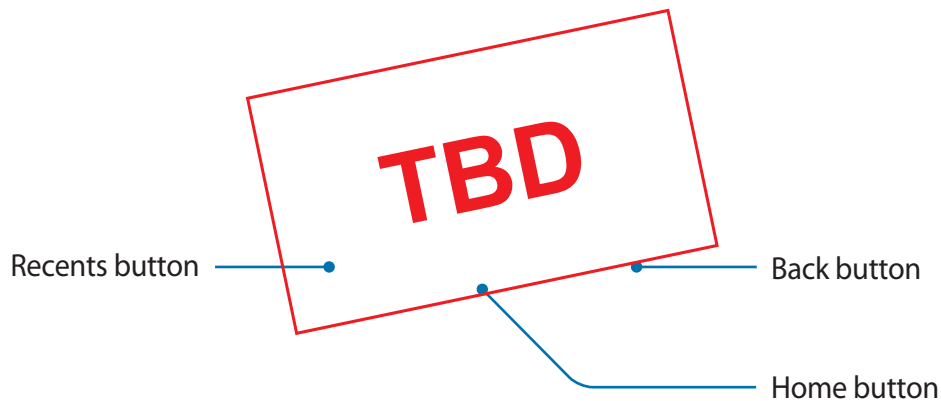
Spreading and pinching

Spread two fingers apart or pinch on the screen.



Navigation bar (soft buttons)

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



| Button | Function |
|---------|--|
| Recents | <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 the Google Assistant app. |
| < Back | <ul style="list-style-type: none"> • Tap to return to the previous screen. |

Hiding the navigation bar

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

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



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

Setting the navigation bar

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

- **Navigation type:** Set the device to hide or display the navigation bar. To hide the navigation bar, tap **Full screen gestures**. While the navigation bar is hidden, you can use the soft buttons by dragging the gesture hint of the desired button upwards.
- **Button order:** Change the order of the buttons on the navigation bar.
- **Gesture hints:** Set the device to display indicators at the bottom of the screen to show where the soft buttons are located. This feature appears only when you select **Full screen gestures**.



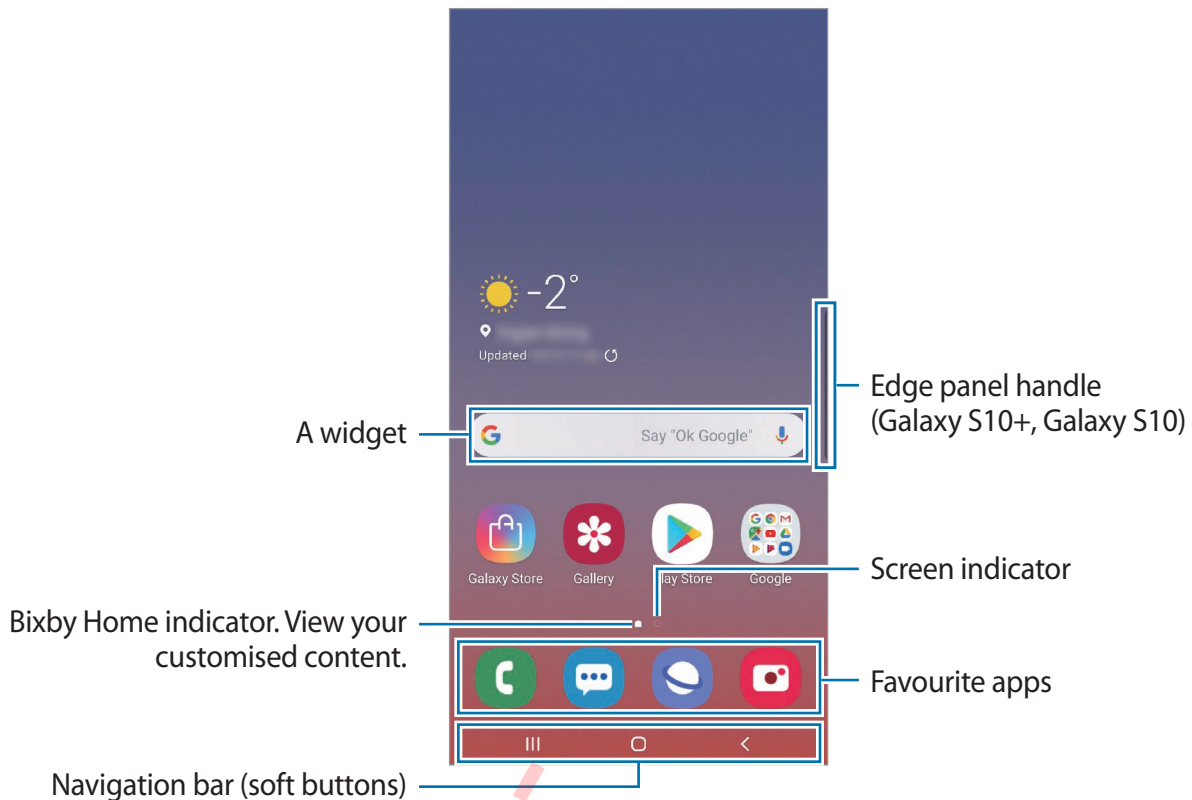
Home screen and Apps screen

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

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



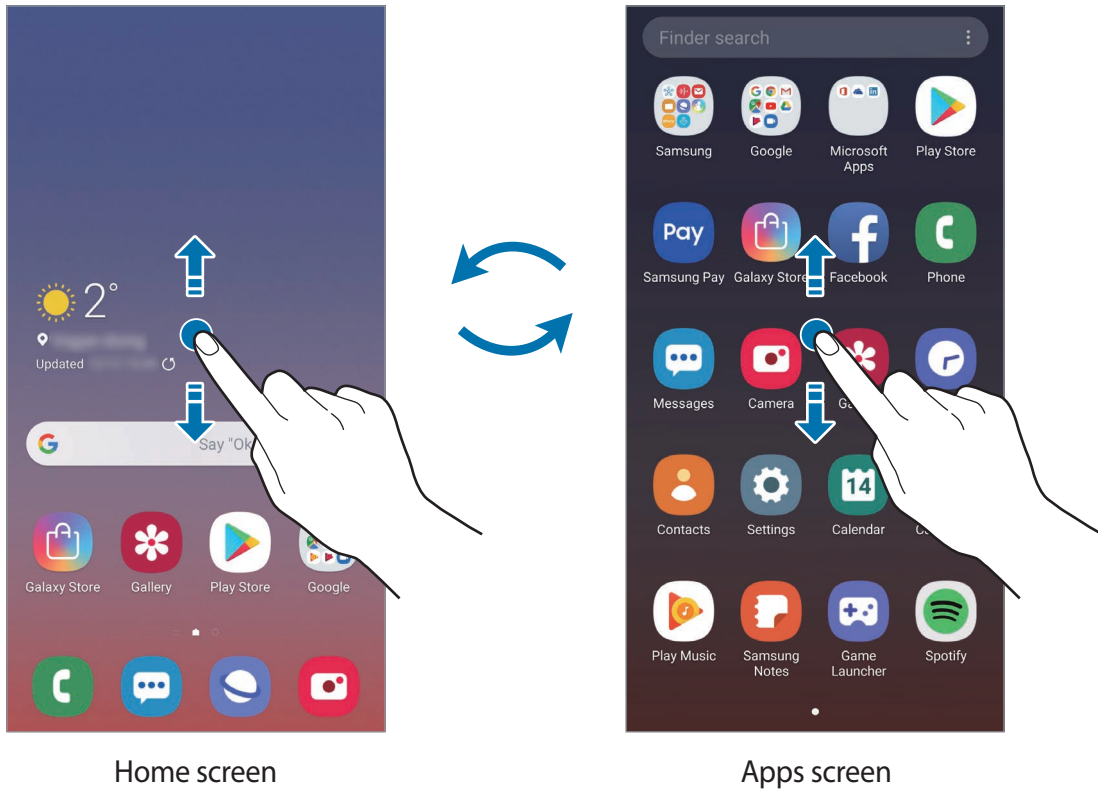
The screen may appear differently depending on the region or service provider.



Switching between Home and Apps screens

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

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



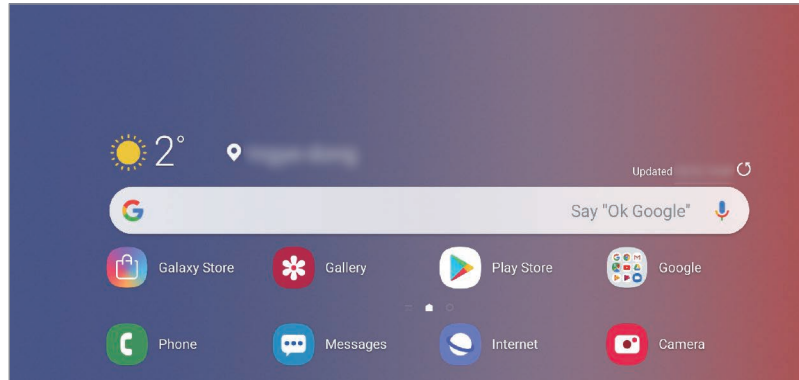
If you add the Apps button on the Home screen, you can open the Apps screen by tapping the button. On the Home screen, tap and hold an empty area, tap **Home screen settings**, and then tap the **Apps button** switch to activate it. The Apps button will be added at the bottom of the Home screen.



Display the screen in landscape mode

On the Home screen, tap and hold an empty area, tap **Home screen settings**, and then tap the **Portrait mode only** switch to deactivate it.

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



Moving items

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

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

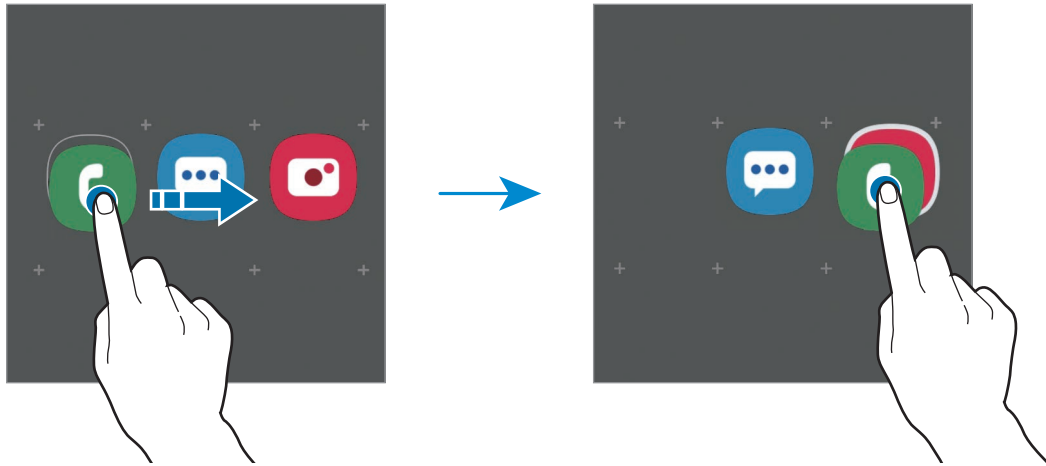
You can also move frequently used apps to the shortcuts area at the bottom of the Home screen.

Creating folders

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

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

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



- **Adding more apps**

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

- **Moving apps from a folder**

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

- **Deleting a folder**

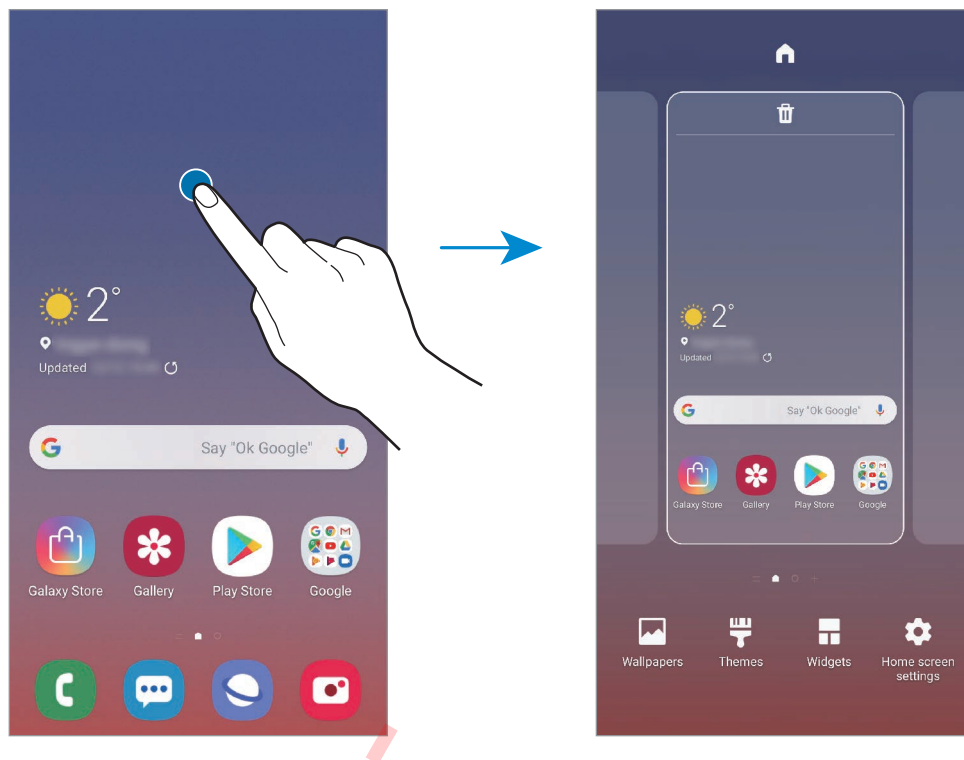
Tap and hold a folder, and then tap **Delete folder**. Only the folder will be deleted. The folder's apps will be relocated to the Apps screen.



Editing the Home screen

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

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



- **Wallpapers:** Change the wallpaper settings for the Home screen and the locked screen.
- **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.

Displaying all apps on the Home screen

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

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








Indicator icons

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



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

| Icon | Meaning |
|------|--|
| | No signal |
| | Signal strength |
| | Roaming (outside of normal service area) |
| | GPRS network connected |
| | EDGE network connected |
| | UMTS network connected |
| | HSDPA network connected |
| | HSPA+ network connected |
| | LTE network connected (LTE-enabled models) |
| | Wi-Fi connected |
| | Bluetooth feature activated |
| | Location services being used |
| | Call in progress |
| | Missed call |
| | New text or multimedia message |

| Icon | Meaning |
|---|------------------------------------|
|  | 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 raise your device to turn on the screen. Alternatively, double-tap the screen.



Locked screen

Changing the screen lock method

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

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

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



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

Screen capture

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

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






- Key capture: Press and hold the Volume Down key and the Power key simultaneously.
- Swipe capture: Swipe your hand to the left or right across the screen.



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

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



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

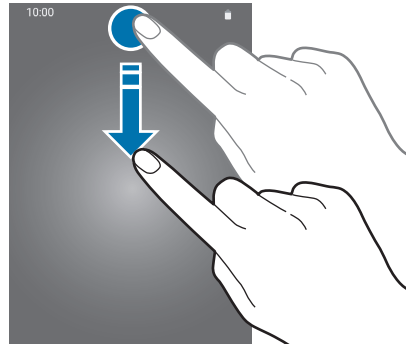


- If the options are not visible on the captured screen, launch the **Settings** app, tap **Advanced features**, and then tap the **Smart capture** switch to activate it.

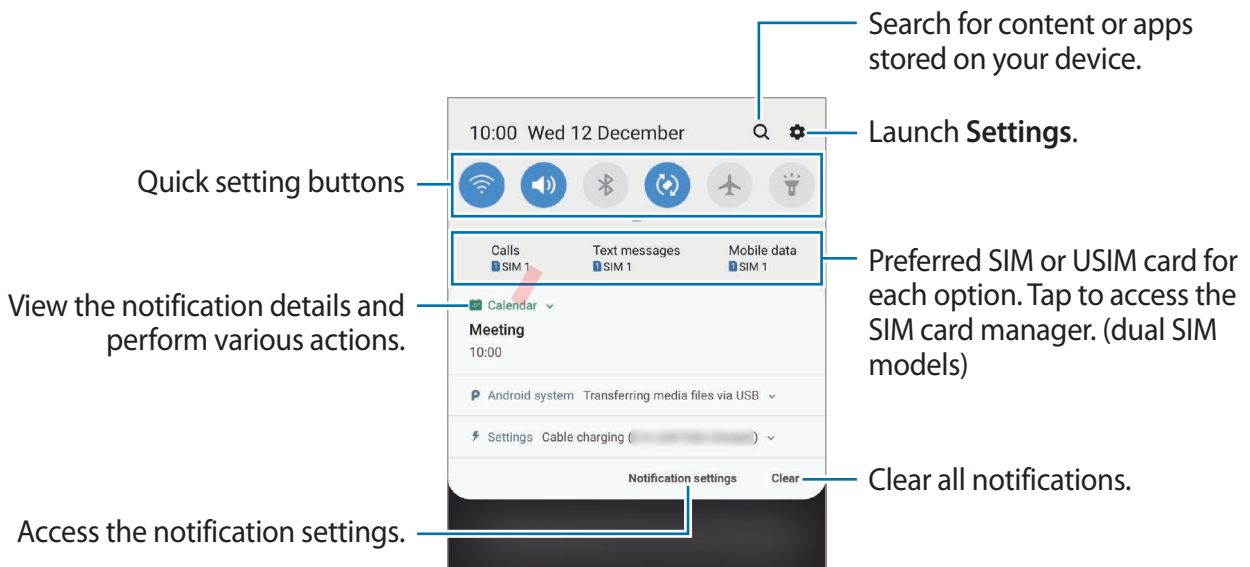
Notification panel

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.

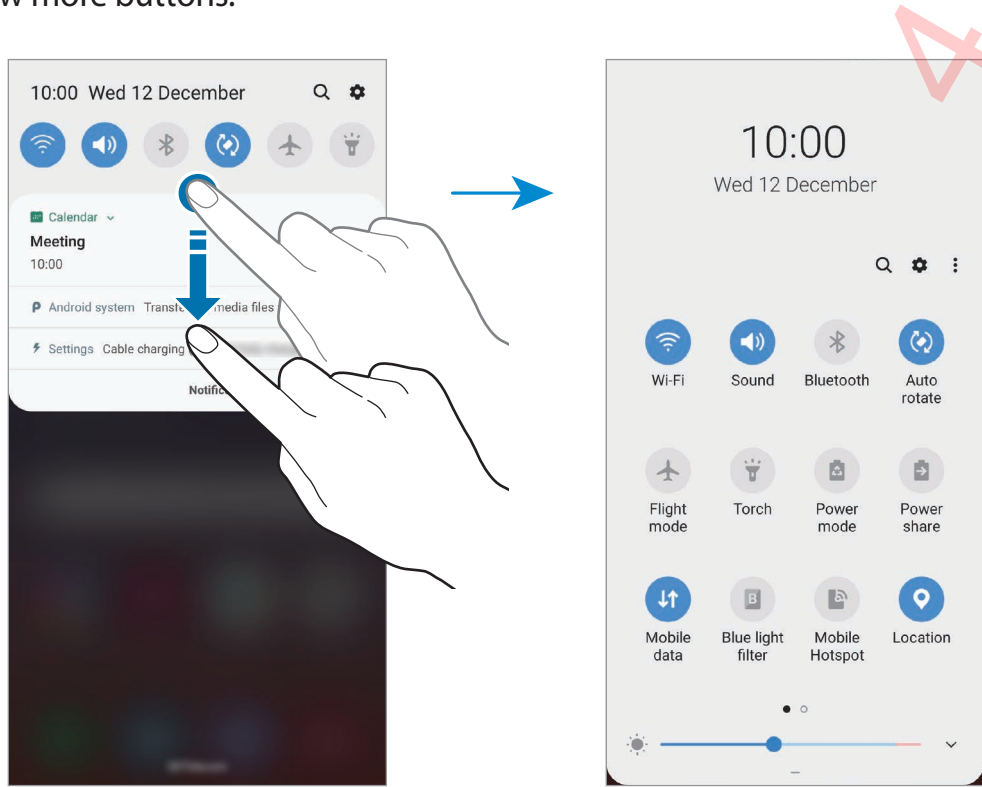


You can use the following functions on the notification panel.



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.



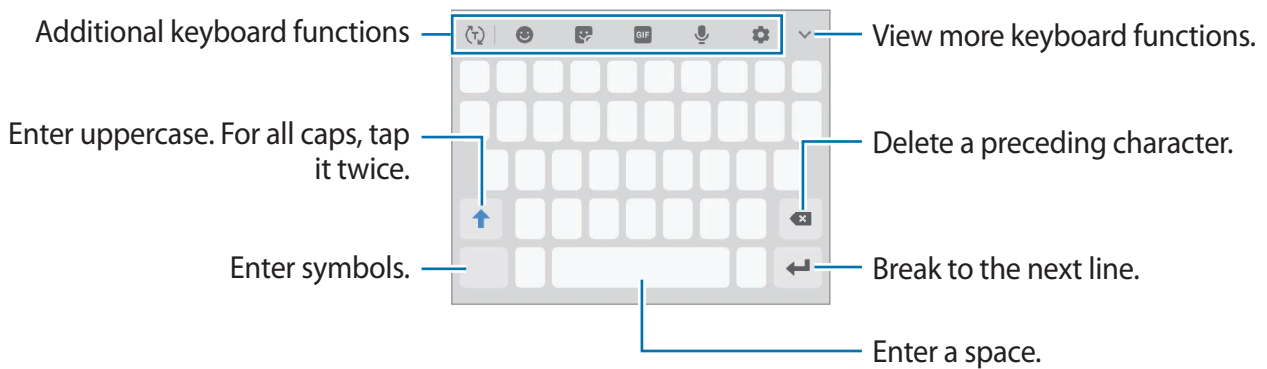
Entering text

Keyboard layout


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



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




Changing the input language

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


Changing the keyboard

On the navigation bar, tap  to change the keyboard.








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











- If the keyboard button () does not appear on the navigation bar, launch the **Settings** app, tap **General management** → **Language and input**, and then tap the **Show Keyboard button** switch to activate it.
- On a **3x4 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



- : Predict words based on your input and show word suggestions. To return to the keyboard functions list, tap .
- : Enter emoticons.
- : Enter stickers. You can also enter My Emoji stickers that look like you. Refer to [Using My Emoji stickers in chats](#) for more information.
- : Attach animated GIFs.



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

- : 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.
-  → : Add an item from the clipboard.
-  → : Change the keyboard mode or size.







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  → **Dictionary** on the options list.
If a dictionary is not preinstalled on the device, tap **Move to Manage dictionaries**, tap  next to a dictionary, and then tap **INSTALL** to download it.
- 3 View the definition in the dictionary pop-up window.
To switch to the full screen view, tap . Tap the definition on the screen to view more definitions. In the detailed view, tap  to add the word to your favourite words list or tap **Search Web** to use the word as a search term.

Apps and features



Installing or uninstalling apps

Galaxy Store

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

Launch the **Galaxy Store** app.




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

Installing apps

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

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



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

Play Store

Purchase and download apps.


Launch the **Play Store** app.

Installing apps

Browse apps by category or search for apps by keyword.

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



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

Managing apps

Uninstalling or disabling apps

Tap and hold an app and select an option.

- **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 **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.



Bixby

Introduction

Bixby is an intelligent voice service that helps you use the device more conveniently. You can talk to Bixby or type text. Bixby will launch a function you request or show the information you want. It also learns your usage patterns and environments. The more it learns about you, the more precisely it will understand you.

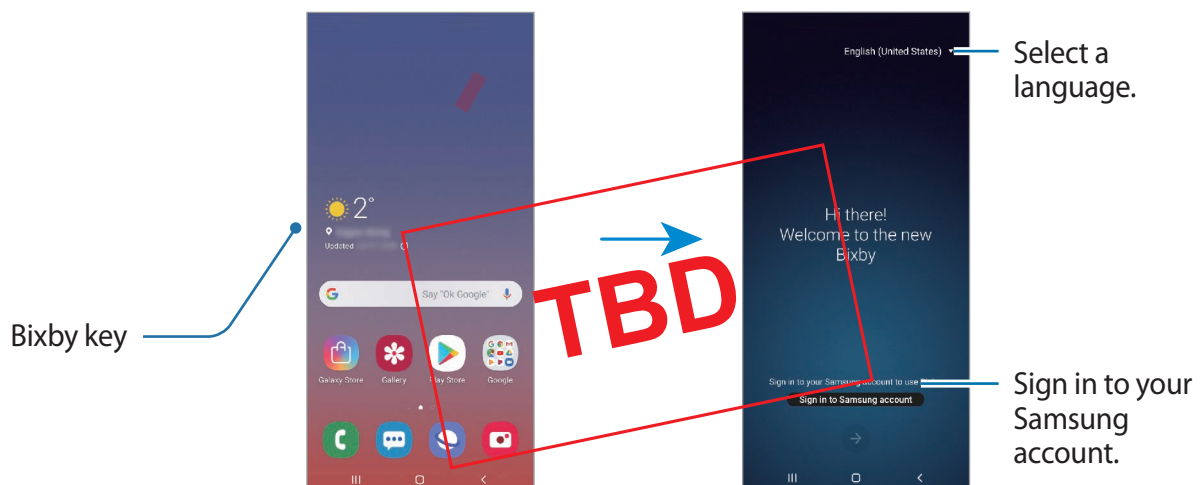


- To use Bixby, your device must be connected to a Wi-Fi or mobile network.
- To use Bixby, you must register and sign in to your Samsung account.
- Bixby is only available in some languages, and certain features may not be available depending on your region.

Starting Bixby

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





- 1 Press the Bixby key.

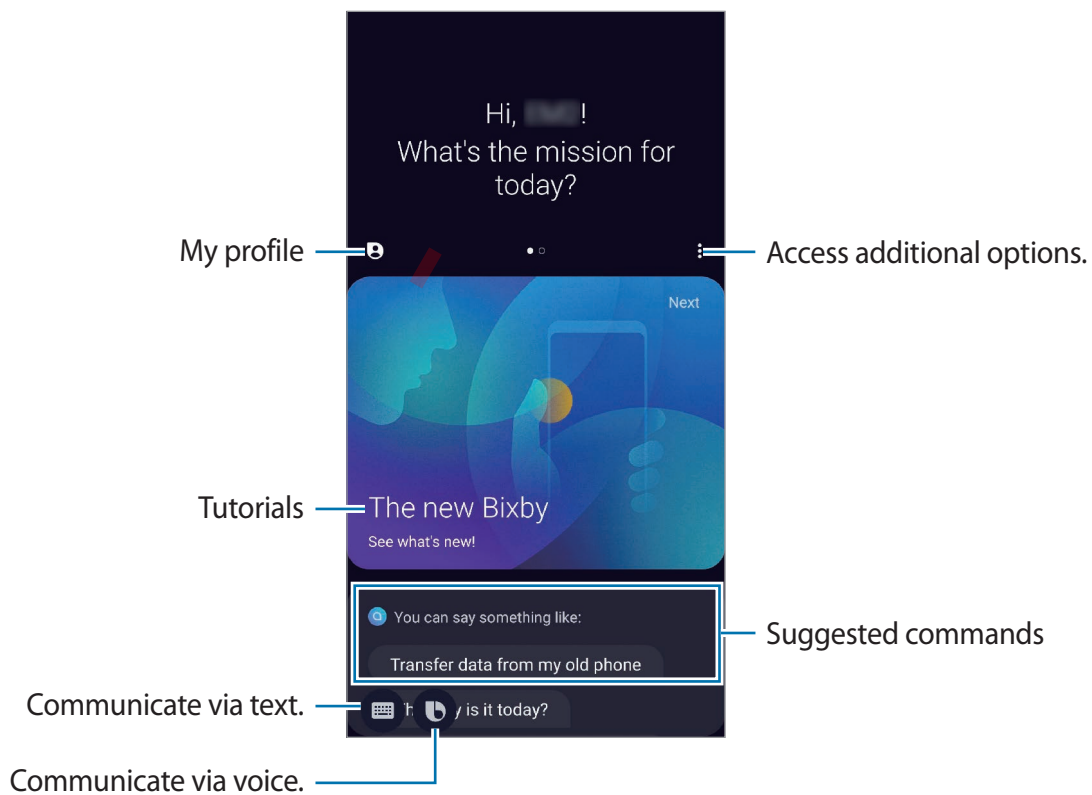


Apps and features

- 2 Select the language to use with Bixby.
- 3 Tap **Sign in to Samsung account** and follow the on-screen instructions to sign in to your Samsung account.

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

- 4 Tap .
- 5 Read and agree to the terms and conditions and tap .
- 6 Tap  and follow the on-screen instructions to register your voice.
If you set the voice wake-up feature, you can start a conversation with Bixby by saying “Hi, Bixby”.
- 7 Tap  to complete the setup.
The Bixby screen will appear.



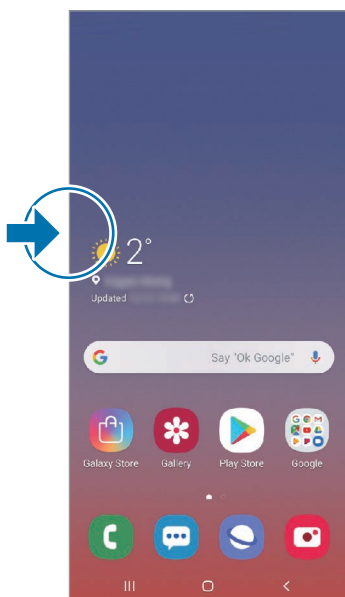
Using Bixby

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

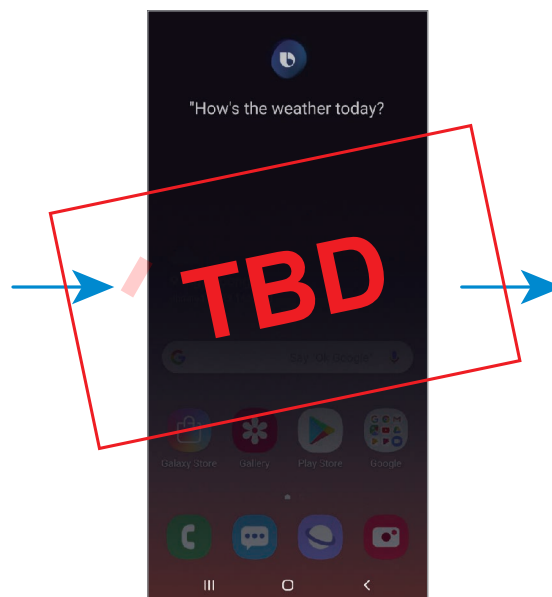
While pressing and holding the Bixby key, say what you want to Bixby, and then release your finger from the key when you are finished speaking. Alternatively, say "Hi, Bixby", and when the device emits a sound, say what you want.

For example, while pressing and holding the Bixby key, say "How's the weather today?" The weather information will appear on the screen.

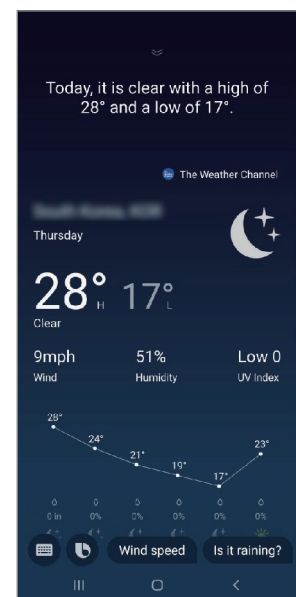
If you want to know the weather tomorrow, while pressing and holding the Bixby key, just say "Tomorrow?" Because Bixby understands the context of the conversation, it will show you tomorrow's weather.




Starting a conversation




Listening




Corresponding function
launched

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

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

Waking up Bixby using your voice

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

1 Press the Bixby key and tap  → **Settings** → **Voice wake-up**.


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

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

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

Communicating by typing text

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

Press the Bixby key, tap , and then type what you want.

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



Bixby usages

Launching apps or services

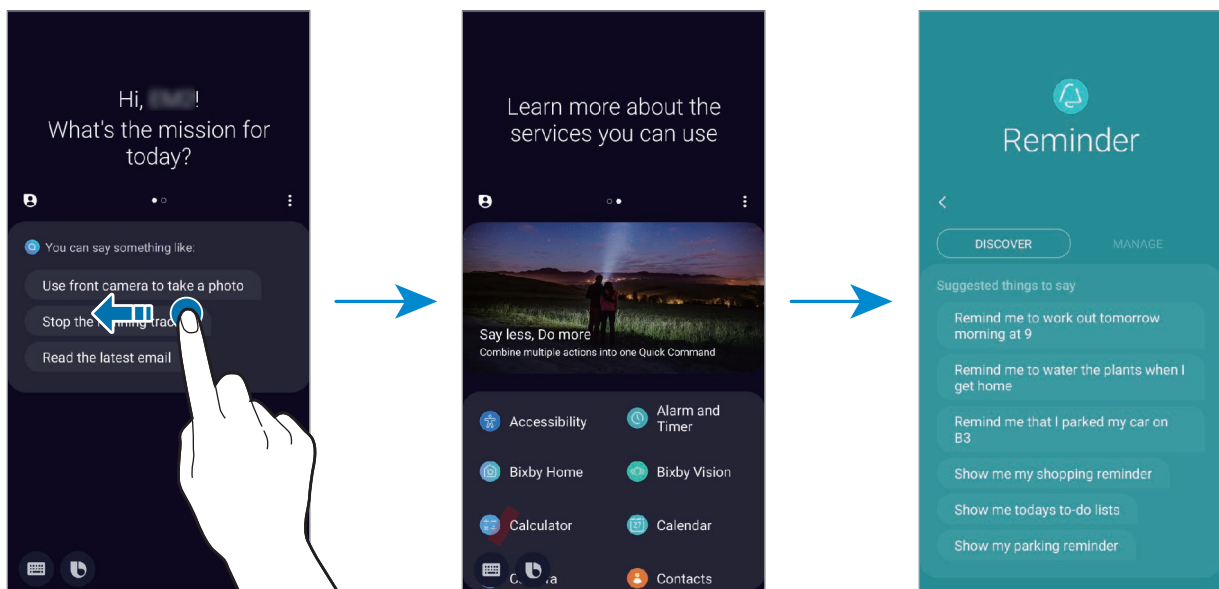
You can launch features quickly via Bixby. You can also use various convenient services, such as ordering coffee or searching for nearby restaurants or hotels and making a reservation.

For example, while pressing and holding the Bixby key, say "Call mom", and then release your finger from the Bixby key. Bixby will now make a call to the contact saved as mom.

Viewing more ways to use Bixby

To view more ways to use Bixby, press the Bixby key, and then swipe to the left on the screen.

You can check out services supported by Bixby and examples of commands.



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

Additional Bixby functions

Waking up Bixby while using the speaker

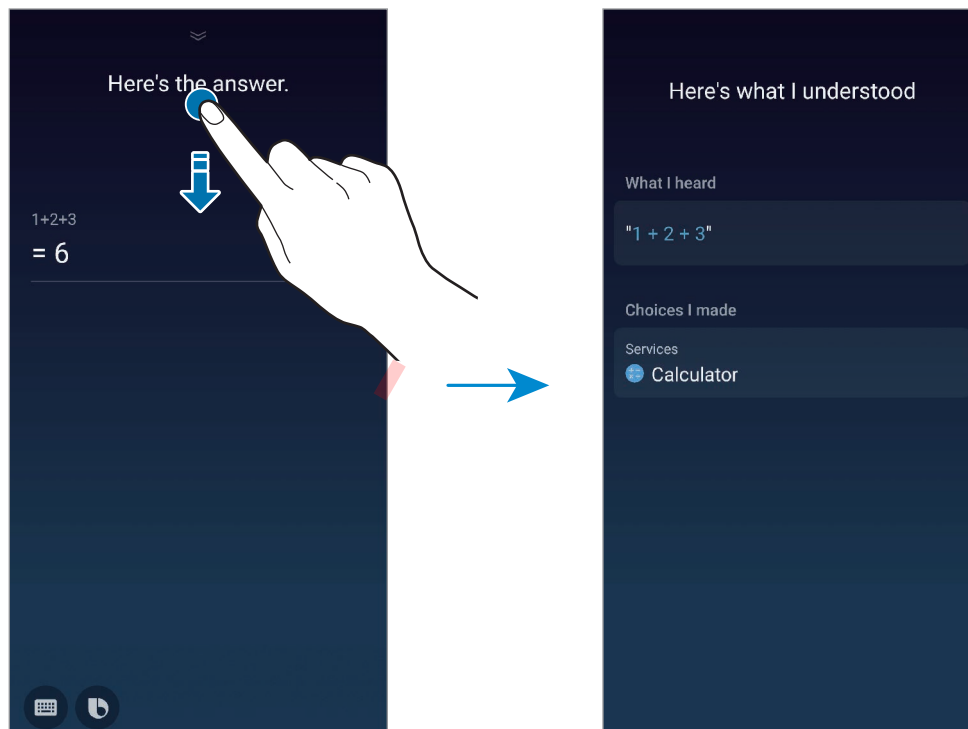
You can wake up Bixby by saying "Hi, Bixby" even when the speaker plays alarms, ringtone, or media.

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

Checking what Bixby understood


You can check how Bixby understood what you said. If Bixby understood your intention differently, you can let Bixby know the correct meaning.

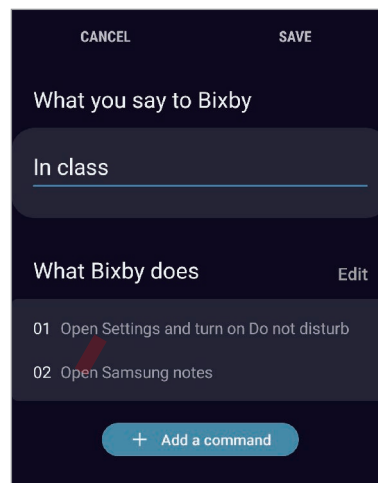
Drag Bixby's answer area downwards. What Bixby understood and any used services will appear. If Bixby misunderstood your intention, edit the content and change the app or service to use.



Using quick commands

You can add quick commands so that you can give commands more quickly and easily. You can also give multiple commands together by adding them to a quick command.

- 1 Press the Bixby key and tap  → **Quick commands** → **+**.
- 2 Tap **Quick command word or phrase** and enter a quick command name.
- 3 Tap **Add a command** and select a method you want.
 - **Select a command:** Select one from the commands list.
 - **Say a command:** Say your command.
 - **Type a command:** Type your command.
- 4 Select or enter a command that Bixby will perform.
To add additional commands, tap **Add a command**.



- 5 Tap **SAVE**.

Now you can give multiple commands by saying the quick commands you added.



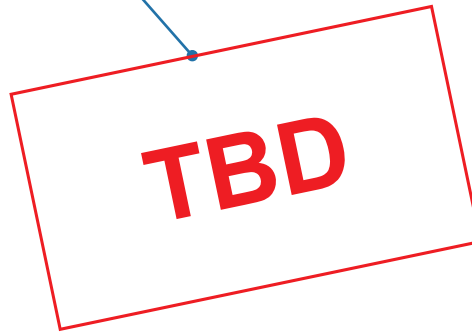
Using earphones or a Bluetooth headset

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 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.

Call button



Customising the Bixby settings

Press the Bixby key and tap  → **Settings**.

- **Language and voice style:** Set the language to communicate with Bixby and set the style of voice feedback. The selected language is applied only when you talk with Bixby.



Bixby is only available in some languages, and certain features may not be available depending on your region. To see the list of supported languages, tap **Language**.

- **Voice response:** Change the voice feedback settings for Bixby.
- **Automatic listening:** Set Bixby to automatically listen when it asks a question so you can respond without pressing the icon. This option is available only if you are using headphones or Bluetooth audio, or start a conversation by saying “Hi, Bixby”.
- **Voice wake-up:** Set Bixby to wake up when it hears you say “Hi, Bixby”. You can also change the settings for the voice wake-up feature.
- **Use while phone locked:** Set Bixby to complete some actions, such as making a call or launching a map app, while the device is locked.
- **Bixby key:** Select how many times you must press the Bixby key to open the Bixby screen.
- **Marketing notifications:** Set to receive notifications about marketing information.
- **Privacy:** Set to use Bixby’s interactive and customised services to enhance your experience.
- **About Bixby Voice:** View the Bixby version and legal information.

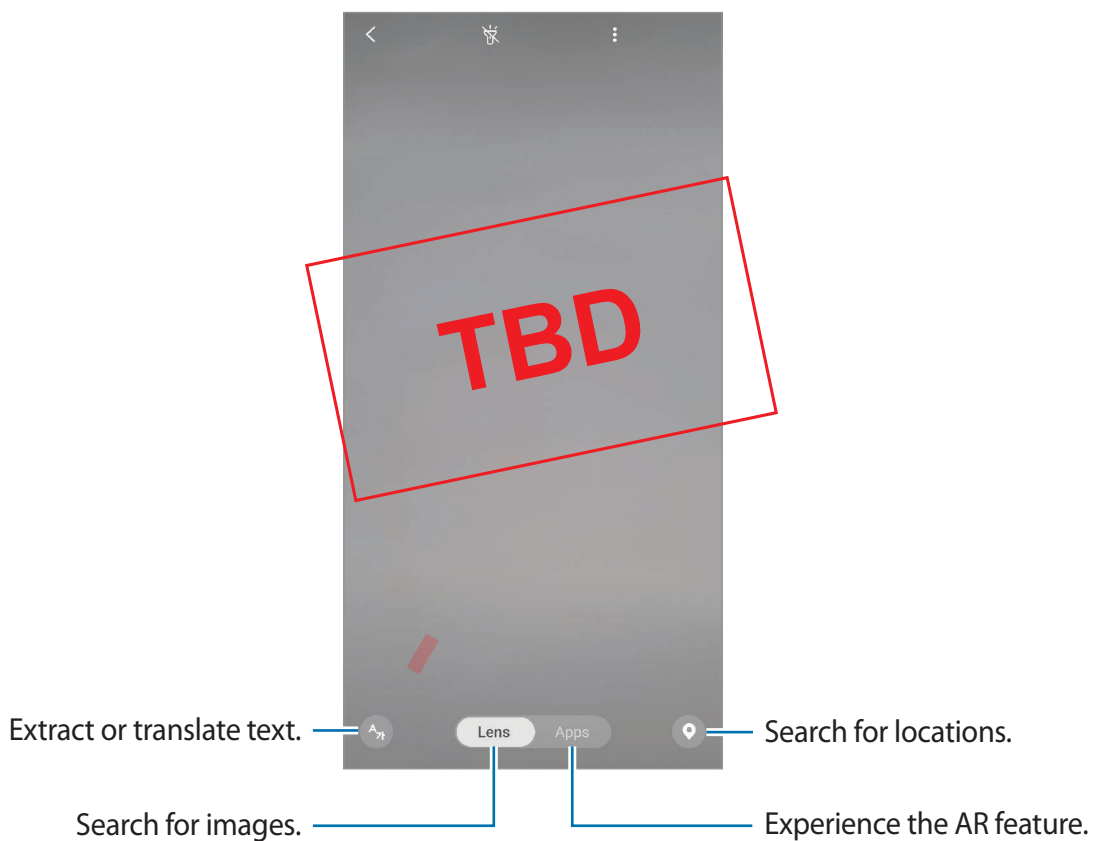
Bixby Vision

Introduction

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

You can use Bixby Vision to quickly search for information by recognising objects and your current location. You can also experience the AR feature, which makes virtual images appear on the preview screen.


Use a variety of useful Bixby Vision features.



- To use this feature, the device must be connected to a Wi-Fi or mobile network.
- To fully 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 size, format, or resolution.
- Samsung is not responsible for the product information provided by Bixby Vision.

Launching Bixby Vision

Launch Bixby Vision using one of these methods.


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



Searching for similar images

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

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

- 1 Launch the **Camera** app and tap **Bixby Vision**.
- 2 Tap **Lens** and keep the object within the screen to recognise it.
- 3 Select a search result with  on it.
The similar images will appear.




Translating or extracting text



Recognise and show the translated text on the screen. You can also extract text from a document or an image file.

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

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

2 Tap  and keep the text within the screen to recognise it.

The translated text will appear on the screen.

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

Searching for places and events

Search for information about nearby places by recognising your current location. You can also view the events being held nearby.

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

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



2 Tap  and keep the place or object within the screen to recognise it.

You can view basic information about nearby places.


- If you want to search for places in another direction, point the camera towards the direction.
- To view the events being held nearby, tap **Events**.
- You can view your current location and weather information. To view your current location on the map, point the camera towards the ground. To view the current weather information, point the camera towards the sky.

3 Select a search result on the screen.

The device will show information of nearby places and events.


Wish list

You can add items you want from your search results to your wish list.

Select an item and tap .

To view your wish list, tap  → **Wish list**.



The  icon may not appear depending on the item.

Experiencing various AR features

Various apps include the AR feature, which makes virtual images appear on the background or person on the preview screen. You can conveniently experience products and view information without visiting stores or trying them in person. Experience Bixby Vision's fun and useful AR feature.

- 1 Launch the **Camera** app and tap **Bixby Vision**.
- 2 Tap **Apps** and select the feature you want.
 - **Showroom:** Arrange virtual furniture and appliances using the actual room.
 - **Fitting:** Try on pairs of virtual glasses and sunglasses. If you like a pair, you can instantly buy them online.
 - **Media:** View the trailers and details of movies after Bixby Vision recognises the movie posters.



TBD

Downloading additional apps

You can download and experience various apps that include the AR feature.

- 1 Launch the **Camera** app and tap **Bixby Vision**.
- 2 Tap **Apps** and download apps.



Bixby Home

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



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

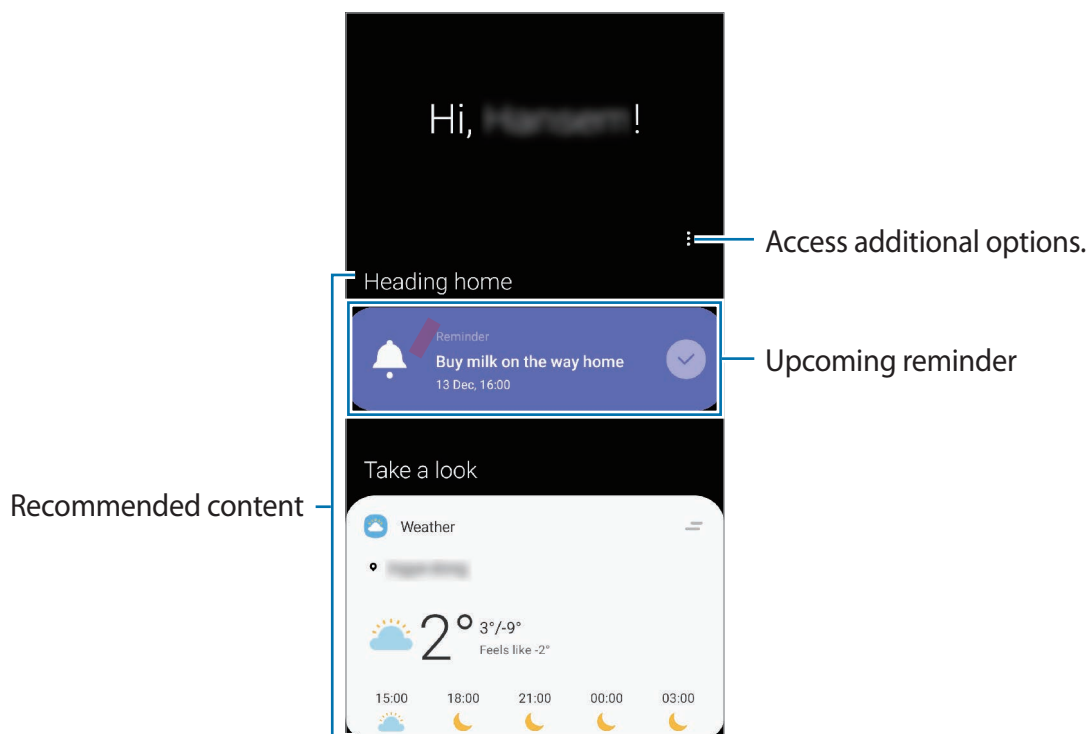
Opening Bixby Home

1 On the Home screen, swipe to the right.

The Bixby Home screen will appear.

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

2 Swipe upwards or downwards to view recommended content.



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



Using recommended content on Bixby Home



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

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




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

Editing cards list


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

Selecting apps to show as cards

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

On the Bixby Home screen, tap  → **Cards** 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  → **Cards** and then download an app.

Customising the Bixby Home settings

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

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



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.

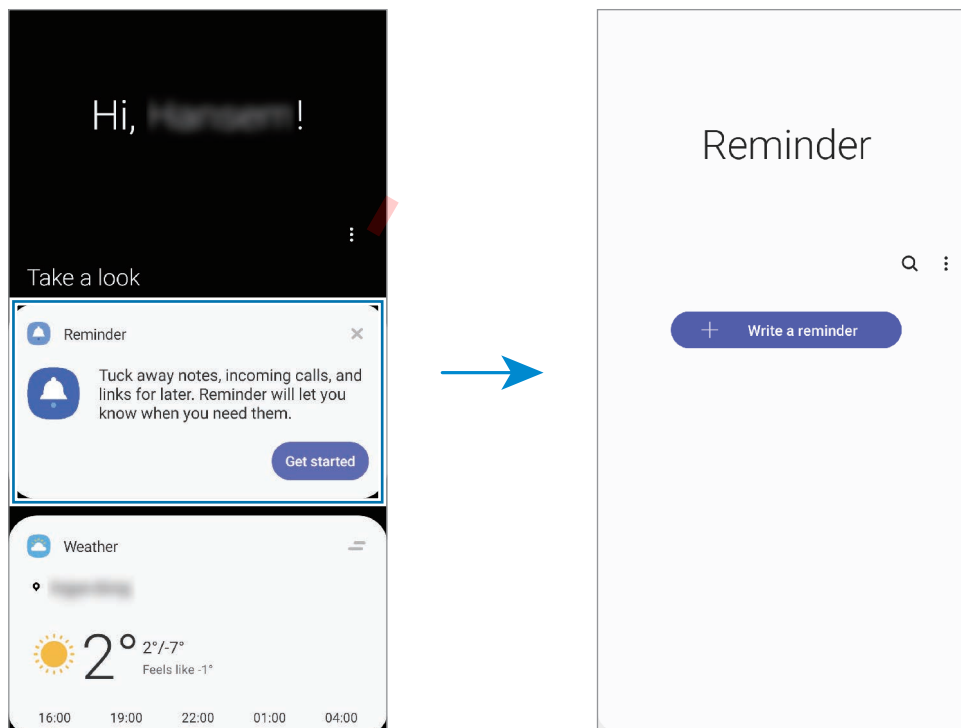
Starting Reminder

You can start Reminder from Bixby Home.

- 1 On the Home screen, swipe to the right.
The Bixby Home screen will appear.

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

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

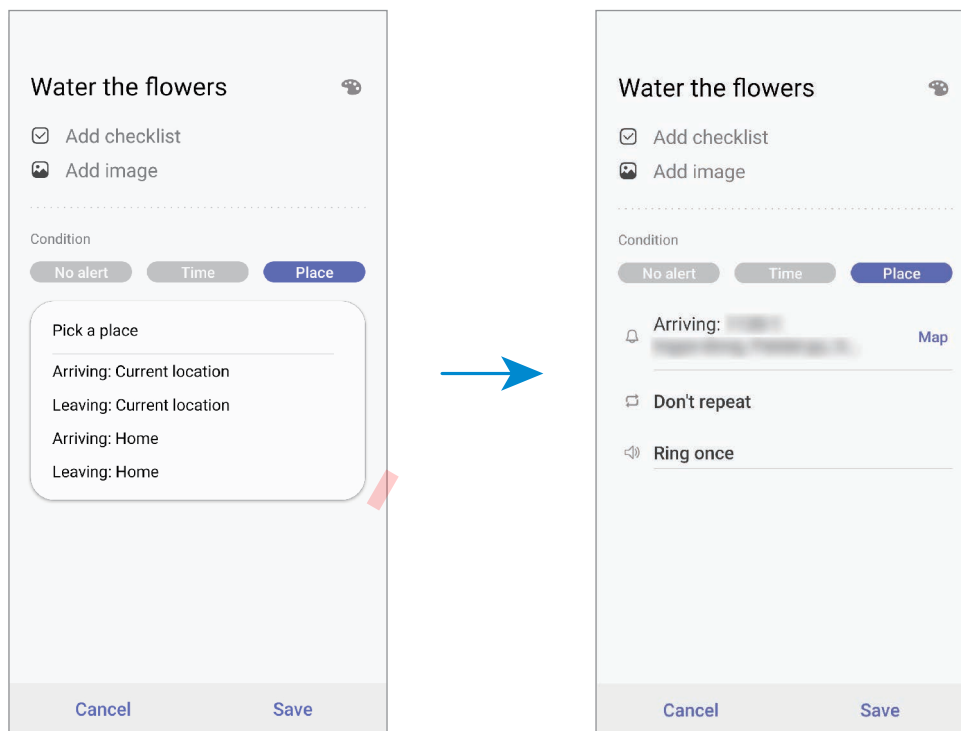


Creating reminders

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

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

- 1 Launch the **Reminder** app.
- 2 Tap **Write a reminder** or **+** and enter 'Water the flowers.'
- 3 Tap **Place** → **Set conditions** → **Pick a place** and set the location to home.
- 4 Tap **When I arrive at** → **Done**.



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

When you arrive at home, the 'Water the flowers' notification will appear.



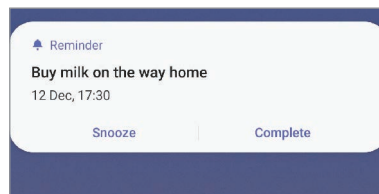
Creating reminders with Bixby

Press and hold the Bixby key and say “Remind me to water the flowers when I get home”. Bixby will save what you said as a reminder.



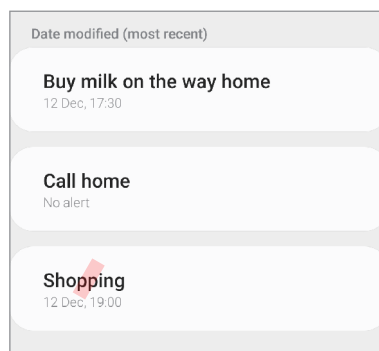
Checking reminder notifications

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



Viewing the reminders list

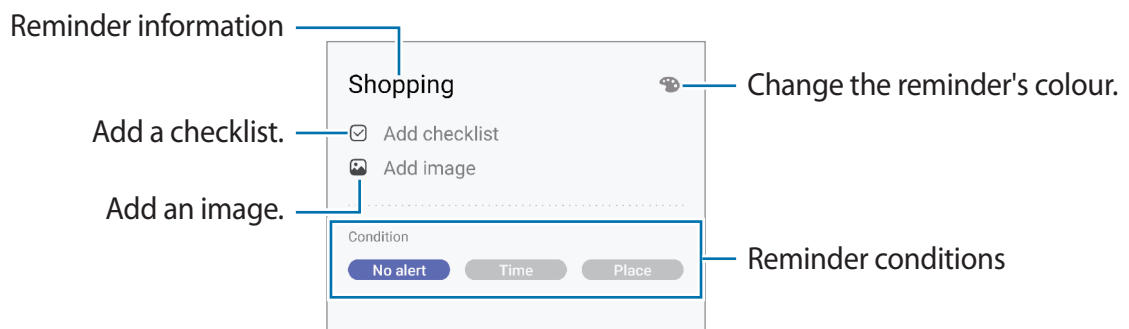
Launch the **Reminder** app to view your reminders list. To view reminder details, select a reminder.



Editing reminder details

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

- 1 On the reminders list, select a reminder to edit and tap **Edit**.
- 2 Edit the conditions and tap **Save**.



Completing reminders

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

On the reminders list, select a reminder and tap **Complete**. Alternatively, drag the reminder to the left.

Restoring reminders

Restore reminders that have been completed.

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

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

Deleting reminders

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





Phone

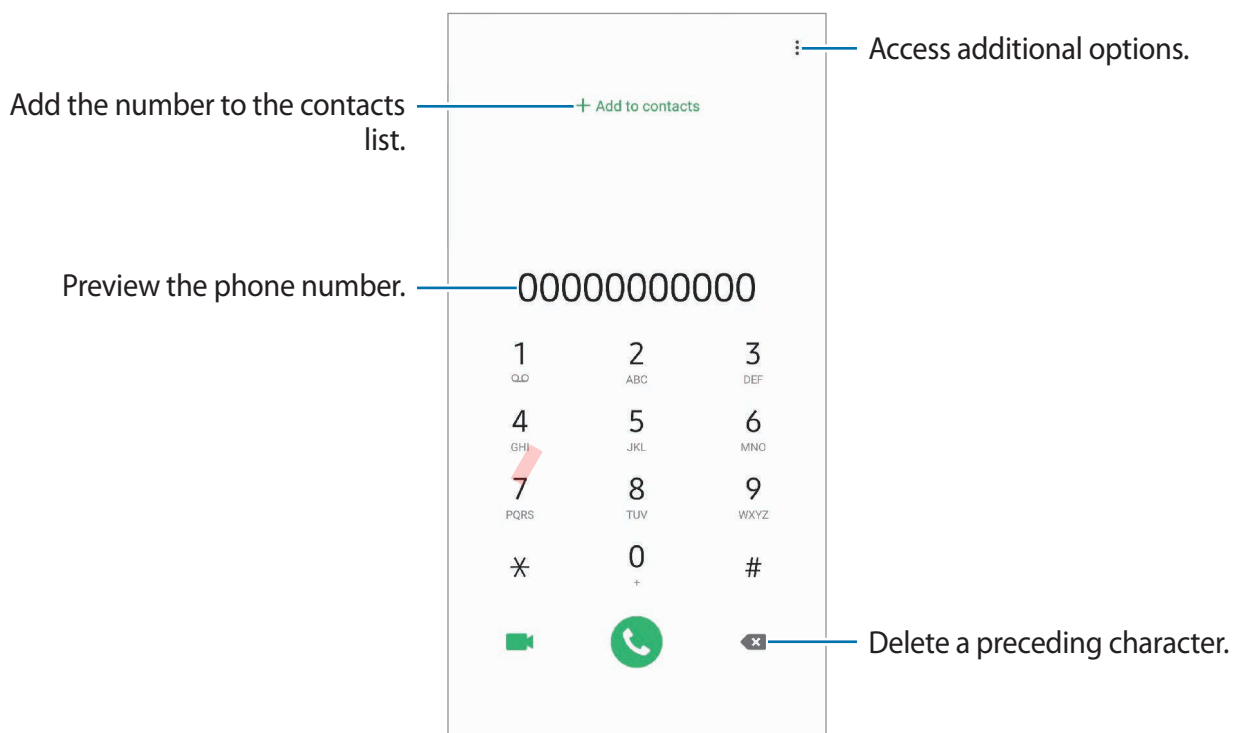
Introduction

Make or answer voice and video calls.



Making calls

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



Making calls from call logs or contacts list

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

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

Using speed dial

Set speed dial numbers to quickly make calls.

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

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

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

Making calls from the locked screen


On the locked screen, drag  outside the circle.

Making calls by searching for businesses

Make calls to businesses near your current location by searching for their information.

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

Making an international call

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



Receiving calls

Answering a call



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




Rejecting a call

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

To send a message when rejecting an incoming call, drag the **Send message** bar upwards and select a message to send. If the **Add reminder** switch is activated, 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** → **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** → **Block numbers**.
- 2 Tap **Recents** or **Contacts**, select contacts or phone numbers, and then tap **Done**.
To manually enter a number, tap **Add phone number**, enter a phone number, and then tap .

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



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

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

During a video call

Tap the screen to use the following options:

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

Adding a phone number to Contact

Adding a phone number to Contacts from the keypad

- 1 Launch the **Phone** app and tap **Keypad**.
- 2 Enter the number.
- 3 Tap **Add to contacts**.
- 4 Tap **Add to contacts** 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 and tap **Add**, or tap a phone number and tap **Add to Contacts**.
- 3 Tap **Add to contacts** to create a new contact, or tap **Update existing** to add the number to an existing contact.

Adding a tag to a phone number

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

- 1 Launch the **Phone** app and tap **Recents**.
- 2 Tap a phone number → ⓘ.
- 3 Tap **Add tag**, enter a tag, and then tap **Add**.

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

Voicemails

You can check your voicemails.

Launch the **Phone** app and tap **Voicemail**.

Contacts


Introduction

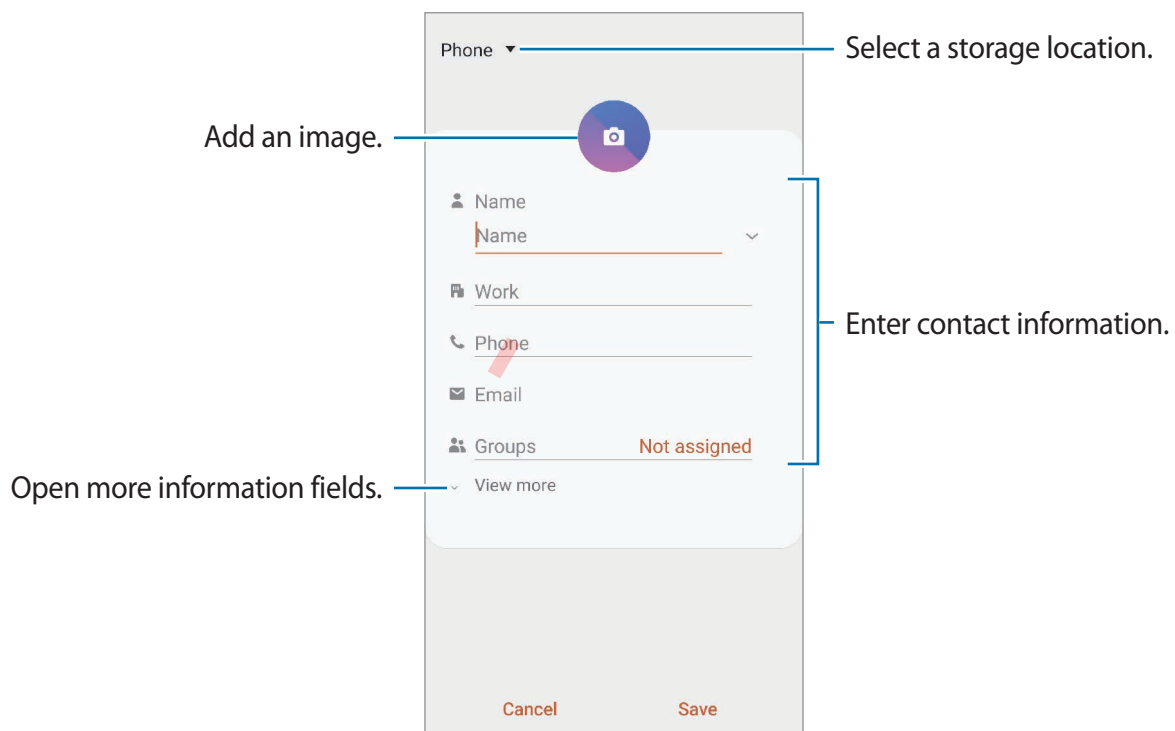
Create new contacts or manage contacts on the device.



Adding contacts

Creating a new contact

- 1 Launch the **Contacts** app and tap .
- 2 Select a storage location and tap **Select**.
- 3 Enter contact information.




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

- 4 Tap **Save**.


Importing contacts

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

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

Syncing contacts with your web accounts

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

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

Searching for contacts

Launch the **Contacts** app.

Use one of the following search methods:

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




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

- ☆ : Add to favourite contacts.
- 📞 / 📺 : Make a voice or video call.
- 💬 : 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 **Tap here to share your profile** and tap the switch to activate it.
 - To use the profile sharing feature, your phone number must be verified. You can view your contacts' updated profile information in **Contacts**.
 - To change the scope of contacts to share your profile with, tap **Select what's shared**, select an item to share, and then select an option.



Creating groups

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

- 1 Launch the **Contacts** app and tap  → **Groups** → **Create group**. 
- 2 Enter a group name.
To set a group ringtone, tap **Group ringtone** and select a ringtone.
- 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. Then tap  → **Delete**.



Messages

Introduction

Send and view messages by conversation.




Sending messages

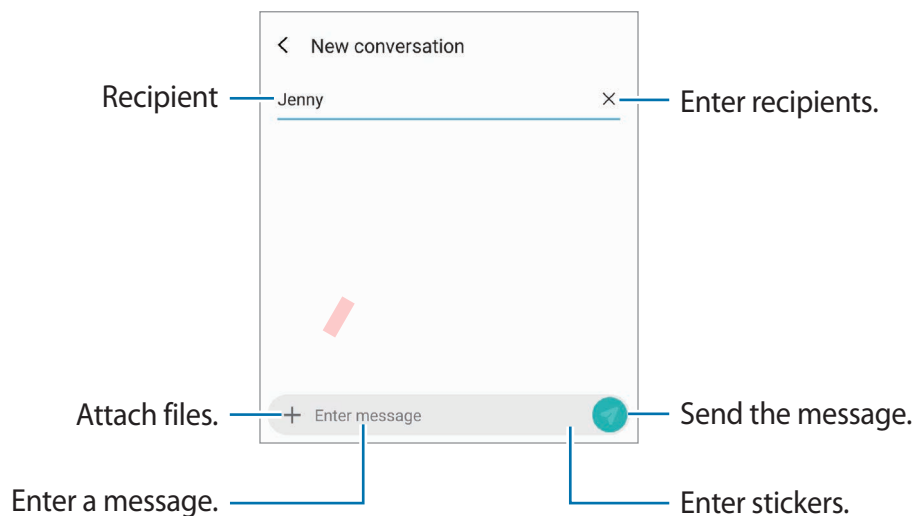


You may incur additional charges for sending messages when you are roaming.

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

2 Add recipients and enter a message.

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




3 Tap  to send the message.



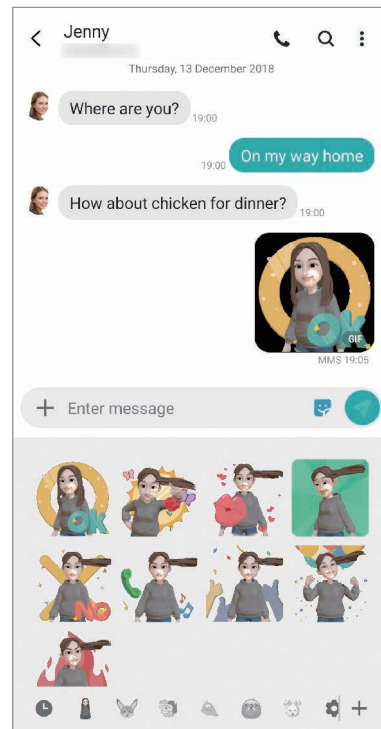
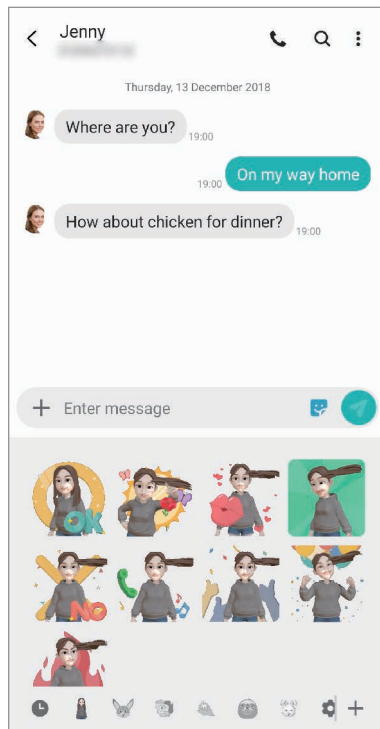
Sending My Emoji stickers

You can send My Emoji stickers that look like you via messages.

While composing a message, tap  and tap the My Emoji icon. My Emoji stickers will appear. Select the sticker that you want to share.



My Emoji stickers will appear after you create My Emoji in the **Camera** app. Refer to [Creating My Emoji](#) for more information.




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, tap **Enter message**, enter a message, and then tap .
 - To adjust the font size, spread two fingers apart or pinch on the screen.

Blocking unwanted messages

Block messages from specific numbers added to your block list.


- 1 Launch the **Messages** app and tap  → **Settings** → **Block numbers and messages** → **Block numbers**.
- 2 Tap **Inbox** and select a contact or a phone number. Or, tap **Contacts**, select contacts, and then tap **Done**.

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



Setting the message notification

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

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

Setting a message reminder

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

Deleting messages

- 1 Launch the **Messages** app and tap **Conversations**.
- 2 On the messages list, select a contact.
- 3 Tap and hold a message, then tap **Delete**.
To delete multiple messages, tick messages you want to delete.
- 4 Tap **Delete**.



Internet

Introduction

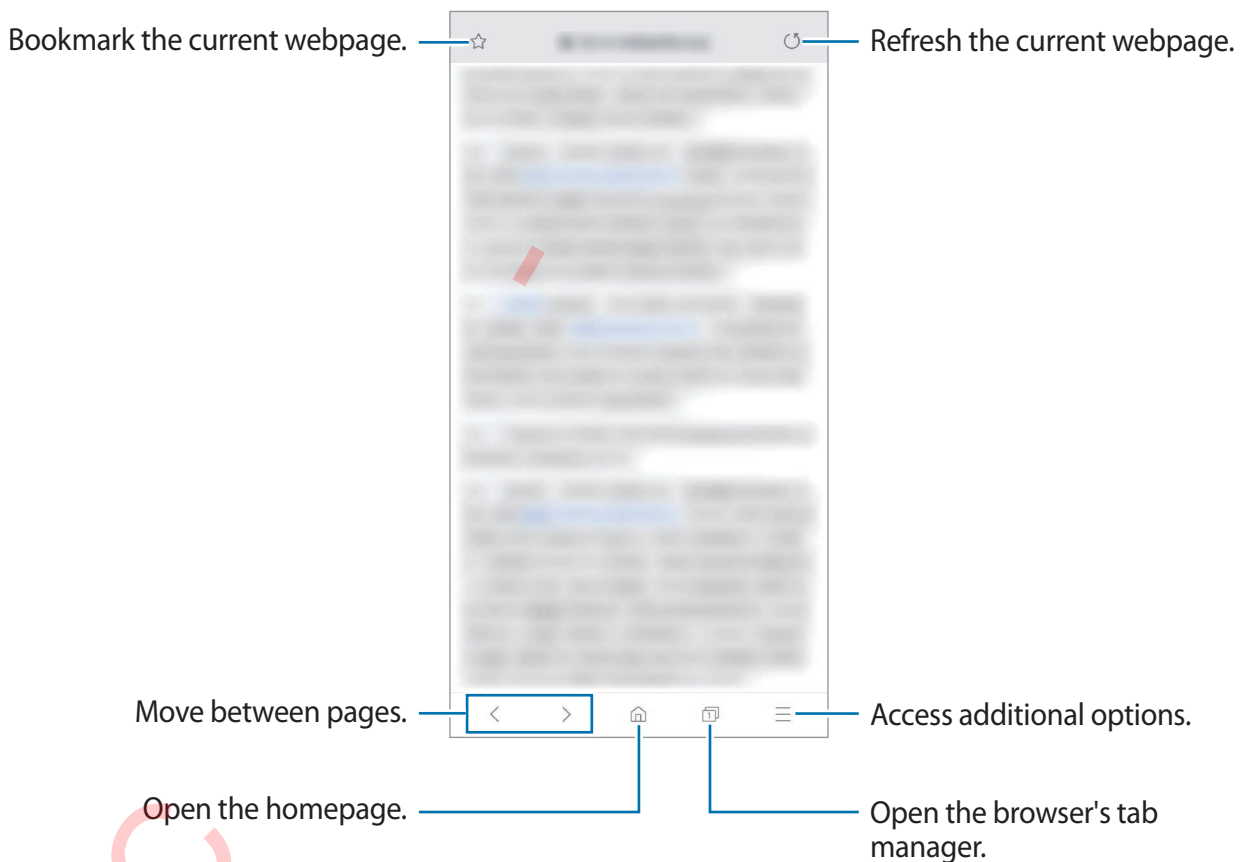
Browse the Internet to search for information and bookmark your favourite webpages to access them conveniently.

Browsing webpages

- 1 Open the **Samsung** folder and 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 biometric data.



Activating secret mode

In the toolbar at the bottom of the screen, tap  → **Turn on Secret mode**. If you are using this feature for the first time, set whether to use a password for secret mode.


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



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

Changing security settings

You can change your password or the lock method.

Tap  → **Settings** → **Privacy and security** → **Set Secret mode lock** → **Change password**.

To set your registered biometric data as the lock method along with the password, tap the **Fingerprints** switch to activate it. Refer to [Fingerprint recognition](#) for more information about using your biometric data.

Deactivating secret mode

In the toolbar at the bottom of the screen, tap  → **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 On the list, select an email service or tap **Other**.
- 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 a subject line and text.
- 3 Tap  to send the email.

Reading emails

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

Tap an email on the screen to read it.

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

Camera

Introduction

Take photos and record videos using various modes and settings.




Camera etiquette

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

Launching Camera

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 methods may not be available depending on the region or service provider.
- 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.




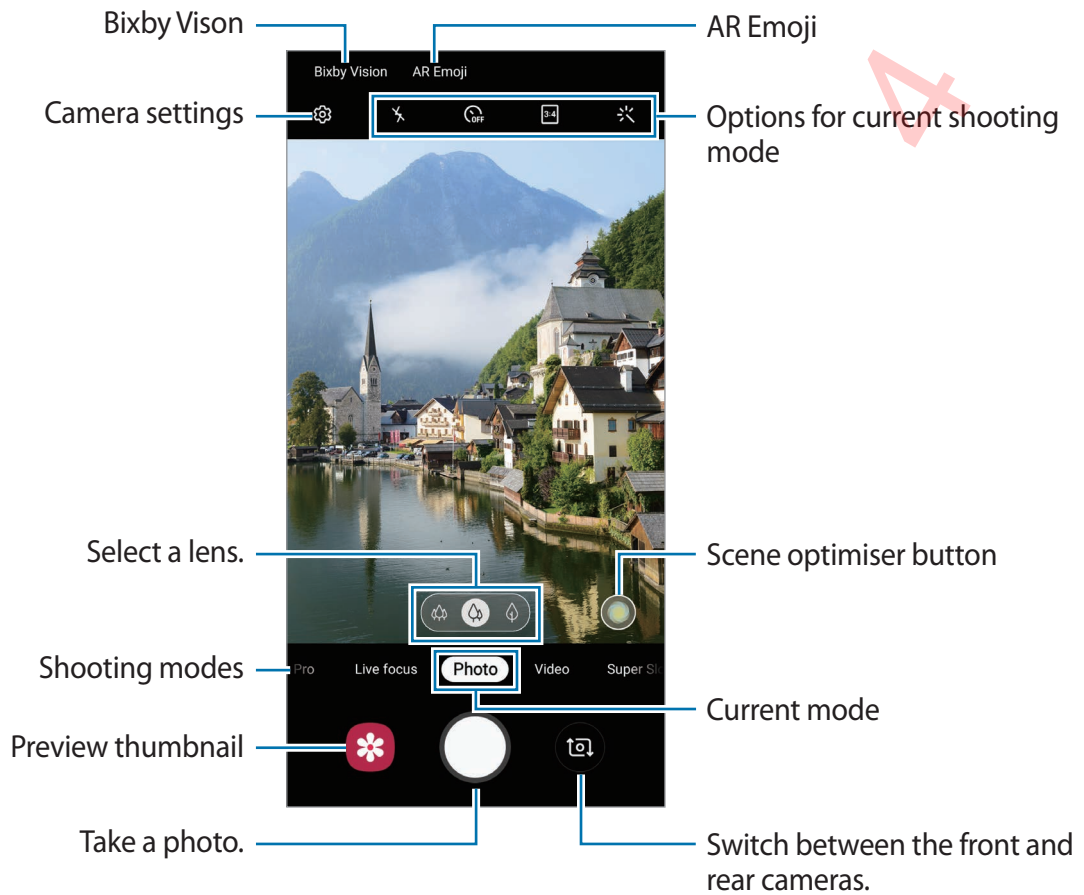
Taking photos

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

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



2 Tap  to take a photo.



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

Selecting a lens for shooting




Take a photo after selecting the camera lens you want.

On the preview screen, select a lens.



This feature is available only in some modes.



-  : The Ultra wide lens lets you take wide-angle photos which look just like the actual view. Use this feature to take landscape photos.
-  : The normal lens lets you take a basic photo.
-  : The 2x optical zoom lens lets you take a photo much clearer by enlarging the subject. (Galaxy S10+, Galaxy S10)



 Ultra wide shooting



 Basic shooting




 2x optical zoom shooting



Photo mode (Intelligent camera)

The camera adjusts the shooting options automatically depending on the surroundings to capture photos easily. The camera uses the intelligent camera feature to automatically optimise the colour and effect of your photo when you focus on a subject.



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

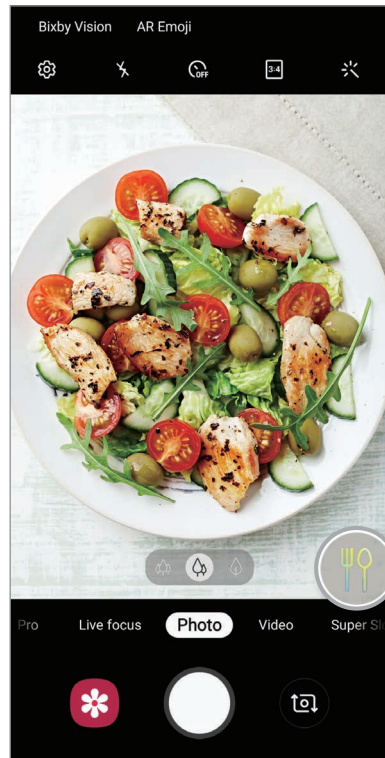
Scene optimiser

The camera adjusts the colour settings and applies the optimised effect automatically by recognising the subject, such as people, pets, food, or night scene. The camera also suggest you to use the Ultra wide lens when it recognises the wide range of scene, such as the beach, sky, or mountain.

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



- If this feature is not activated, tap  on the preview screen and tap the **Scene optimiser** switch to activate it.
- To use additional features, tap  on the preview screen, tap **Scene optimiser**, and then tap the switches next to the features you want.
- If you do not want to use this feature, tap the scene optimiser button on the preview screen.



Bright night

Take steady photos in low-light conditions by automatically adjusting the brightness and colour.

On the shooting modes list, tap **Photo**. When the camera recognises the subject, the scene optimiser button will change to 🌙 and the colour will be adjusted automatically.



If this feature is not activated, tap ⚙️ on the preview screen, tap **Scene optimiser** and tap the **Bright night** switch to activate it.

Shot suggestions

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

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

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

A guide will appear on the preview screen.



Apps and features

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

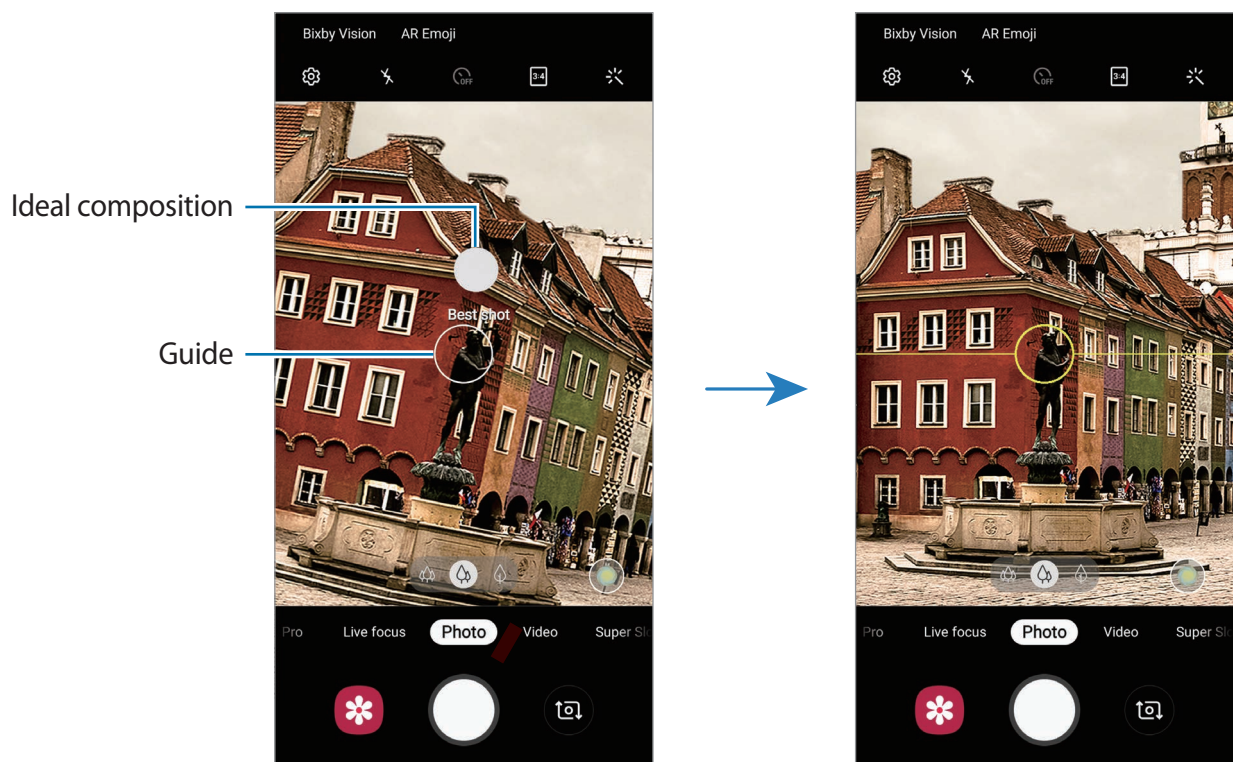
The camera recognises the composition, and the recommended composition appears on the preview screen.



Do not move the device while the camera is recognising the composition.


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

When the ideal composition is achieved, the guide will change to yellow and the photo will be taken automatically.



Applying filter and beauty effects

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

- 1 On the preview screen, tap .
- 2 Select a filter effect or beauty effects and take a photo.






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.

Video mode

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

- 1 On the shooting modes list, tap **Video**.
- 2 Tap  to record a video.
 - To capture an image from the video while recording, tap .
 - To change the focus while recording a video, tap where you want to focus. To use auto focus mode, tap .



- The maximum recording time may reduce when you record video at high resolution.
- 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. (Galaxy S10+, Galaxy S10)
- The 2x optical zoom may not work in low-light environments. (Galaxy S10+, Galaxy S10)

- 3 Tap  to stop recording the video.

Changing the screen ratio for a video

You can set the screen ratio for a video.

On the preview screen, tap  and select a screen ratio.



Live focus mode

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

Taking portraits that stand out using the Live focus feature


Select a background effect on the preview screen and take a photo that stands out the subject.

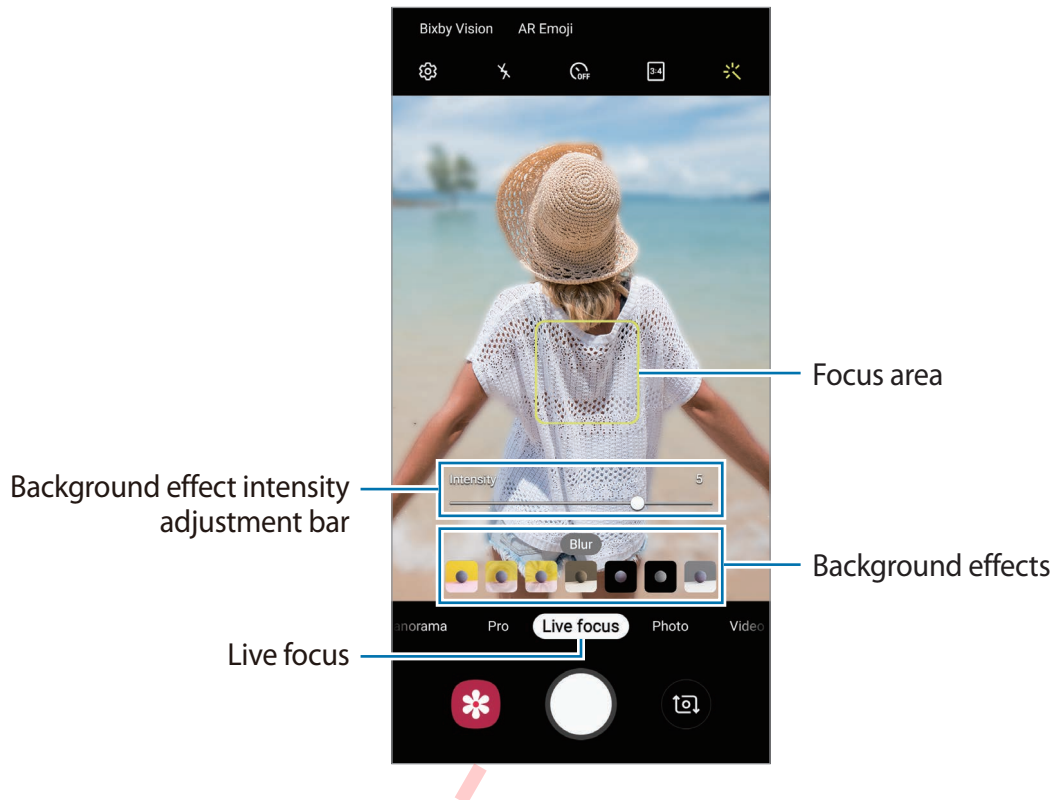


- Use this feature in a place that has sufficient light.
- The background blur may not be applied properly in the following conditions:
 - The device or the subject is moving.
 - The subject is thin or transparent.
 - The subject has a similar colour or pattern to the background.
 - The subject or background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



Apps and features

- 1 On the shooting modes list, tap **Live focus**.
- 2 Select a background effect you want.
To adjust the intensity of the background effect, drag the adjustment bar to the left or right.
- 3 When the focus area changes to yellow on the preview screen, tap  to take a photo.



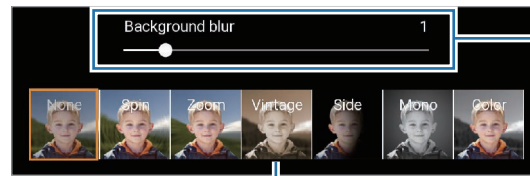
Editing the background of the Live focus photos

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

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

2 Select a background effect you want.

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



Adjust the intensity of the background effect.

Change the intensity of the background effect.

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

Super Slow-mo mode

Super slow motion is a feature that records a quickly passing moment slowly so that you can appreciate it later. After the video is recorded, background music will be added automatically.



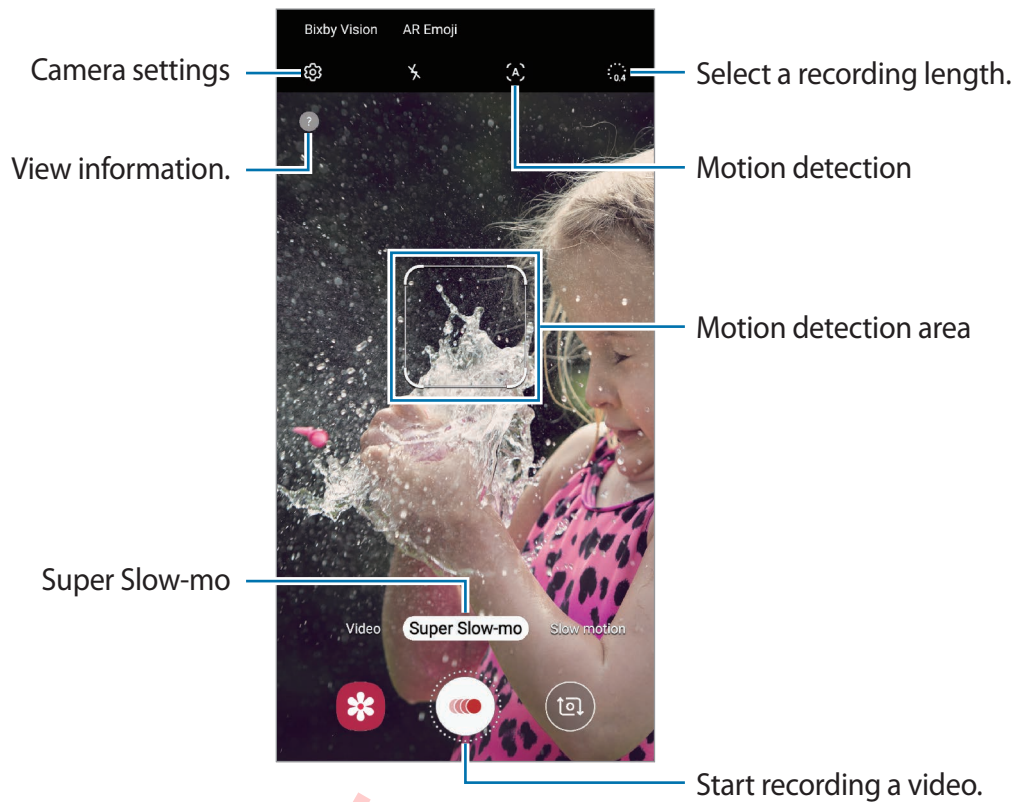
- Some super slow motion features may differ depending on the model.
- Use this feature in a place that has sufficient light. When recording a video indoors with insufficient or poor lighting, some of the following situations may occur:
 - The screen may appear dark due to the small amount of light.
 - The screen may flicker in certain lighting conditions, such as in places with fluorescent lighting.
- Super slow motion recording may start at an unwanted moment if there are conditions such as the following:
 - When the device shakes.
 - When another object is moving near the subject in the motion detection area.
 - When recording under flickering light, such as in places with fluorescent lighting.
 - When recording in dark areas where noise occurs.

Recording super slow motion videos

Record a video by capturing a single moment that the subject is moving.

1 On the shooting modes list, tap **Super Slow-mo**.

To set the device to capture a moment in super slow motion when it is detected in the motion detection area, tap **(M)**.



2 Tap .

The device will capture the moment in super slow motion and save it as a video.

Changing the motion detection area

To move the motion detection area, tap the area inside the frame and drag it to a new location. To adjust the area size, tap a corner of the frame and drag it.

Playing super slow motion videos

Select a super slow motion video and tap **Super Slow-mo**.

Random background music will automatically accompany the video during playback.

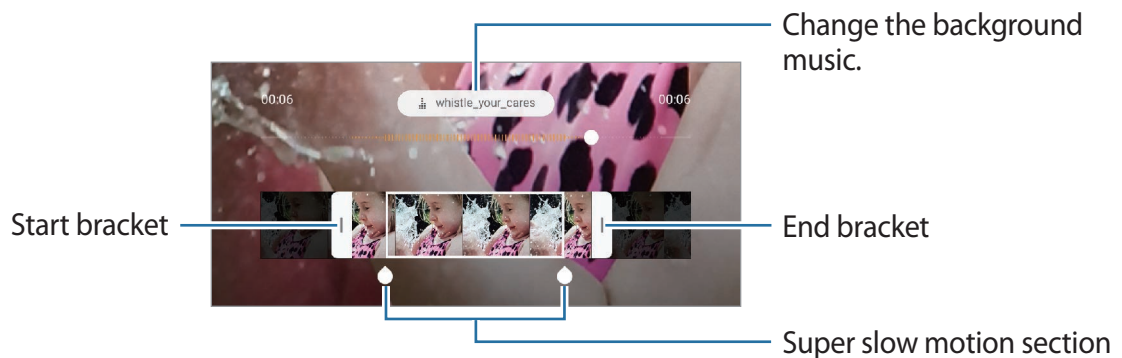
To capture an image while playing a video, tap .

Editing super slow motion videos

On the playback screen, you can edit the video and save it as a different file or share it.

To crop the video, drag the start bracket and the end bracket to the desired points to select the section to keep.

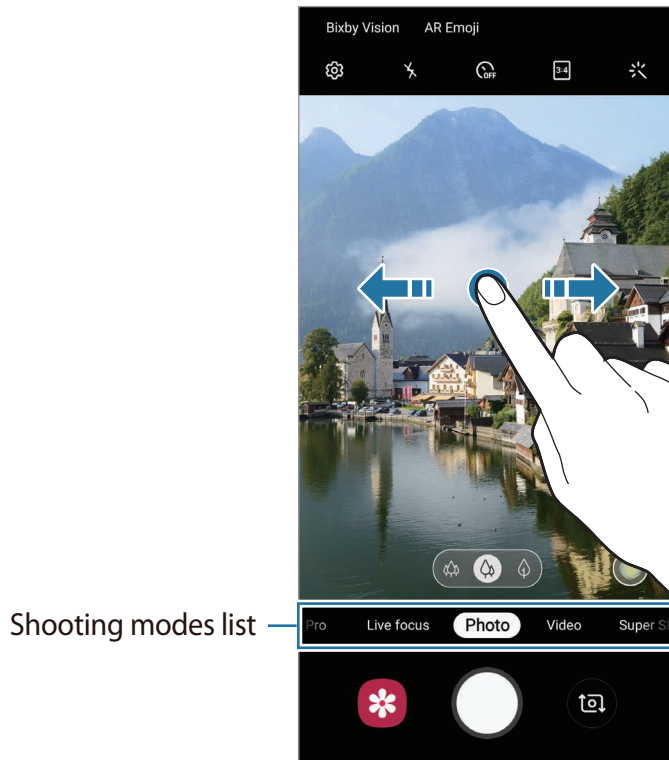
To edit the super slow motion section, drag  to the left or right.



Using shooting modes


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

Select a shooting mode you want.




Pro mode

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








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

Available options

-  : 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. You can select an aperture value that will determine the brightness and depth of field. Tap **F1.5** or **F2.4**.
-  : Adjust the colour tone.
-  : Change the focus mode. Drag the adjustment bar towards  or  to manually adjust the focus. To switch to auto focus mode, tap **MANUAL**.
-  : Select an appropriate white balance, so images have a true-to-life colour range. You can set the colour temperature.
-  : Change the exposure value. This determines how much light the camera's sensor receives. For low-light situations, use a higher exposure.



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.

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.





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.

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.

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.

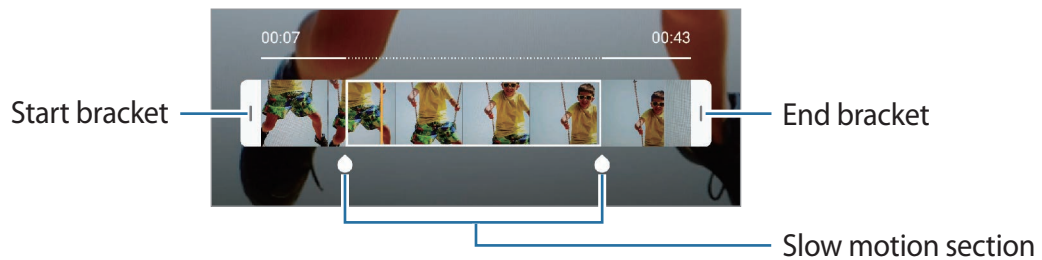


4 On the preview screen, tap the preview thumbnail.

5 Tap **Slow motion**.

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.

To edit the slow motion section, drag  to the left or right.



Hyperlapse mode


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

1 On the shooting modes list, tap **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 **Hyperlapse** to view the video.





















Customising camera settings

Options for current shooting mode


On the preview screen, use the following options.



The available options may vary depending on the shooting mode.

-  : Activate or deactivate the flash.
-  : Select the length of the delay before the camera automatically takes a photo.
-  : Select an aspect ratio for photos.
-  : Apply a filter effect or beauty effects.
-  : Select a frame rate.
-  : Select an aspect ratio for videos.
-  : Stabilise a video.
-  : Select a metering method. This determines how light values are calculated.  **Centre-weighted** uses the light in the centre portion of the shot to calculate the exposure of the shot.  **Spot** uses the light in a concentrated centre area of the shot to calculate the exposure of the shot.  **Matrix** averages the entire scene.
-  : Change the focus area in auto focus mode.  **Multi AF** focuses on several areas within the frame. Multiple rectangles will appear to indicate the focused areas.  **Centre AF** focuses on the centre within the frame.
-  : In **Food** mode, focus on a subject inside the circular frame and blur the image outside the frame.
-  : In **Food** mode, adjust the colour tone.
-  : Activate or deactivate the motion detection feature when recording super slow-mo videos.
-  : Change the recording time of super slow-mo videos.


Camera settings

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

Intelligent features

- **Scene optimiser:** Set the device to adjust the colour settings and apply the optimised mode automatically depending on the subject or scene.
- **Shot suggestions:** Set the device to suggest the ideal composition for the photo by recognising the position and angle of your subject.
- **Flaw detection:** Set to receive notifications when someone blinks or appears blurry in photos, or if there are smudges on the lens.

Pictures

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

Tap the **RAW copies (Pro)** 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 the **RAW copies (Pro)** feature, each photo is saved in two formats, DNG and JPG.

Videos

- **Rear video size:** Select a resolution for videos you want to take with the rear camera. Using a higher resolution will result in higher quality videos, but they will take up more memory.

If you activate the **High efficiency video** feature, you can record videos in the High Efficiency Video Codec (HEVC) format. Your HEVC videos will be saved as compressed files to conserve the device's memory.



- You cannot play the HEVC videos on other devices or share them online.
- Super slow motion and slow motion videos cannot be recorded in the HEVC format.

- **Front video size:** Select a resolution for videos you want to take with the front camera. Using a higher resolution will result in higher quality videos, but they will take up more memory.

If you activate the **High efficiency video** feature, you can record videos in the High Efficiency Video Codec (HEVC) format. Your HEVC videos will be saved as compressed files to conserve the device's memory.



You cannot play the HEVC videos on other devices or share them online.

- **Video stabilisation:** Activate anti-shake to reduce or eliminate blurry image resulting from camera shake while recording a video.



When the **Tracking auto-focus** feature is activated, you cannot use this feature.



Useful features

- **HDR (rich tone):** Take photos with rich colours and reproduce details even in bright and dark areas.
- **Tracking auto-focus:** 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. (Galaxy S10+, Galaxy S10)

- **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.

- **Selfie 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.



- **Camera modes:** View available shooting modes or edit the shooting modes list.
- **Shooting methods:** Select a shooting method for taking a photo or recording a video.
- **Storage location:** Select the memory location for storage. This feature will appear when you insert a memory card.
- **Quick launch:** Set the device to launch the camera by pressing the Power key twice quickly.



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

- **Quick review:** Set the device to show photos after capturing them.
- **Reset settings:** Reset the camera settings.
- **Contact us:** Ask questions or view frequently asked questions. Refer to [Samsung Members](#) for more information.
- **About Camera:** View the Camera app version and legal information.

Gallery

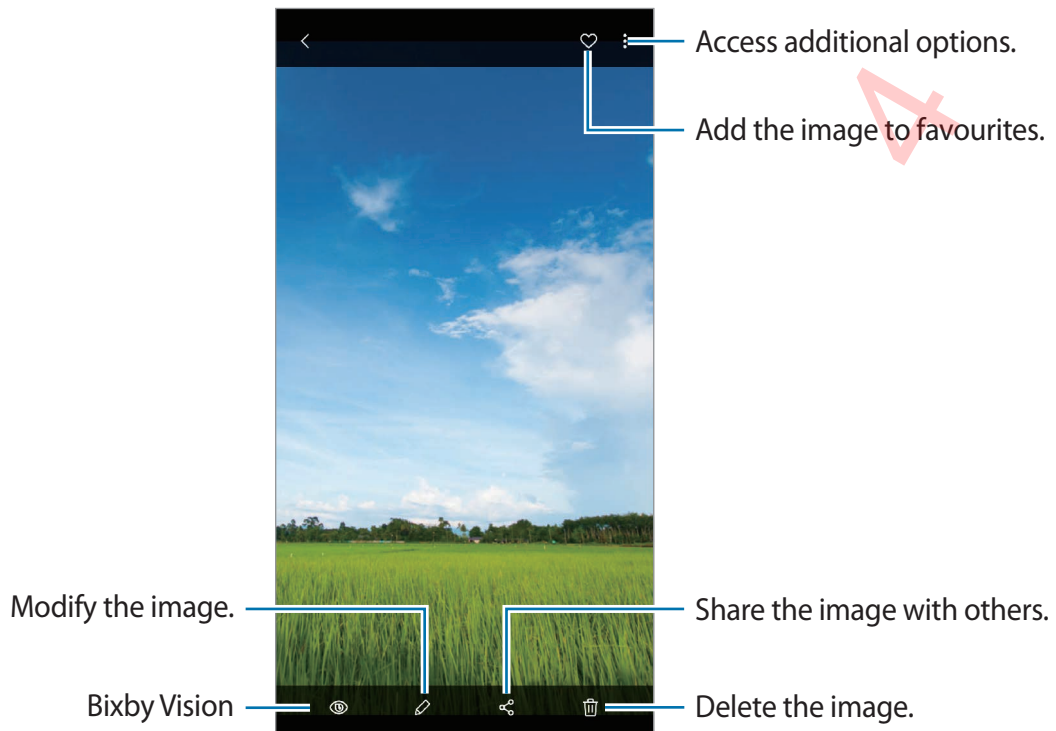
Introduction

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

Viewing images

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

2 Select an image.



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

Searching for images

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

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

Editing the background of Live focus photos

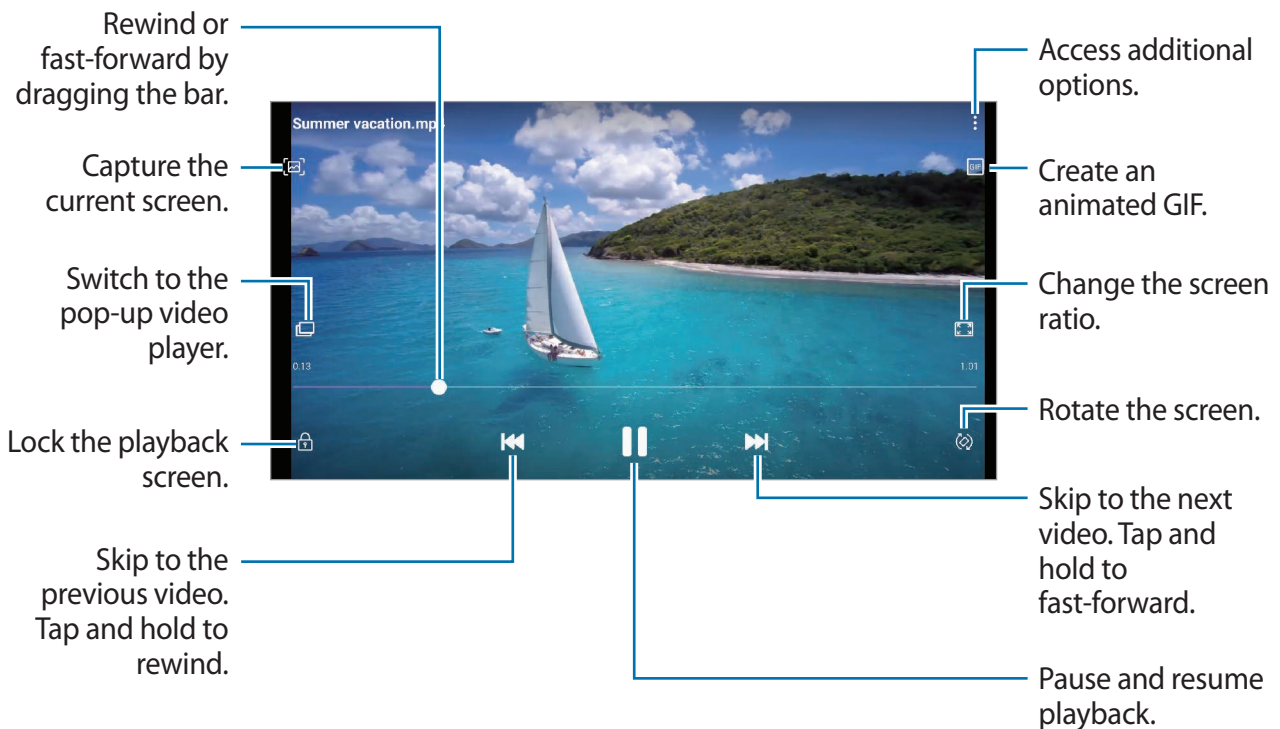
You can edit the background effect and the intensity of the background effect for a photo taken with the Live focus feature.

Launch the **Gallery** app, select a photo taken with the Live focus feature, tap **Change background effect** to change the background effect or adjust its intensity by dragging the adjustment bar to the left or right.



Viewing videos

- 1 Launch the **Gallery** app and tap **Pictures**.
- 2 Select a video to play.
- 3 Tap **Video** to play the video.



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

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

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.



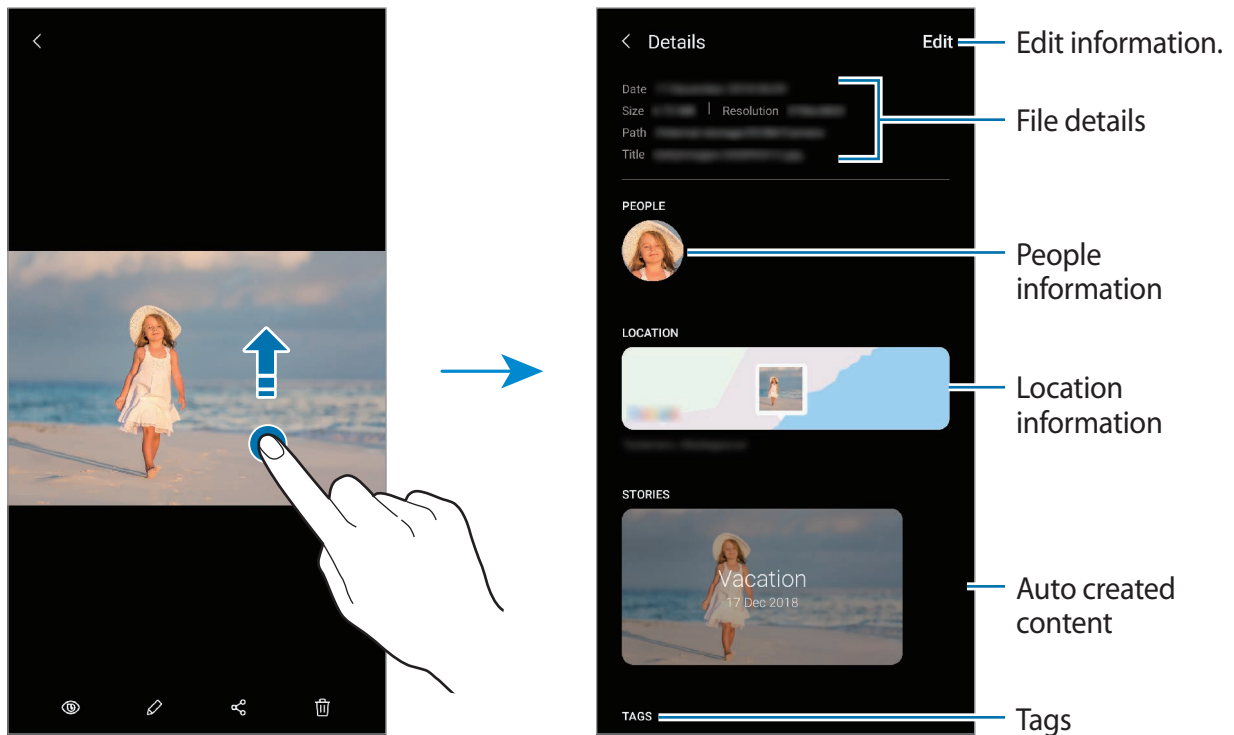
- This feature is only available in some apps.
- Using this feature will increase battery consumption.

Viewing the details of images and videos

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

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

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



Viewing photos or videos by category

You can view photos and videos by category.

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

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

Viewing albums

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

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

Hiding albums

You can hide albums.



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

- 1 Launch the **Gallery** app and tap **Albums**.
- 2 Tap **⋮** → **Hide or unhide albums**.
- 3 Tap an album switch to hide.

Viewing stories

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

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

Creating stories


Create stories with various themes.

- 1 Launch the **Gallery** app and tap **Stories**.
- 2 Tap **⋮** → **Create story**.



- 3 Enter a title for the story and tap **Create**.
- 4 Tick images or videos to include in the story and tap **Done**.

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


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

Deleting stories

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

Syncing images and videos

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

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

Deleting images or videos

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**.