SAMSUNG

User Manual

部分内容可能会与实际设备有所不同。若要了解有关使用设备的更准确信息，
请将简体中文设置为默认语言，然后参阅用户手册。

www.samsung.com/cn

Table of Contents

Basics

Apps and features

Settings

Appendix

Basics

Read me first

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

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

Instructional icons

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

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

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

Device overheating situations and solutions

When the device heats up while charging the battery

While charging, the device and the charger may become hot. During advanced charging, the device may feel hotter to the touch. This does not affect the device's lifespan or performance and is in the device's normal range of operation. If the battery becomes too hot, the charger may stop charging.

Do the following when the device heats up:

- Disconnect the charger from the device and close any running apps. Wait for the device to cool down and then begin charging the device again.
- If the lower part of the device overheats, it could be because the connected USB cable is damaged. Replace the damaged USB cable with a new Samsung-approved one.

📝 The advanced charging feature is only available on supported models.

When the device heats up during use

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

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

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

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

Do the following when the device heats up:

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

Device limitations when the device overheats

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

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

Precautions for operating environment

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

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

Device layout and functions

Package contents

Refer to the quick start guide for package contents.

- The items supplied with the device and any available accessories may vary depending on the region or service provider.
- The supplied items are designed only for this device and may not be compatible with other devices.
- You can purchase additional accessories from your local Samsung retailer. Make sure they are compatible with the device before purchase.
- Use only Samsung-approved accessories. Using unapproved accessories may cause the performance problems and malfunctions that are not covered by the warranty.
- Availability of all accessories is subject to change depending entirely on manufacturing companies. For more information about available accessories, refer to the Samsung website.

Device layout

Proximity/Light sensor
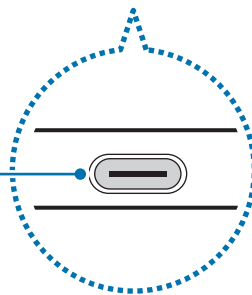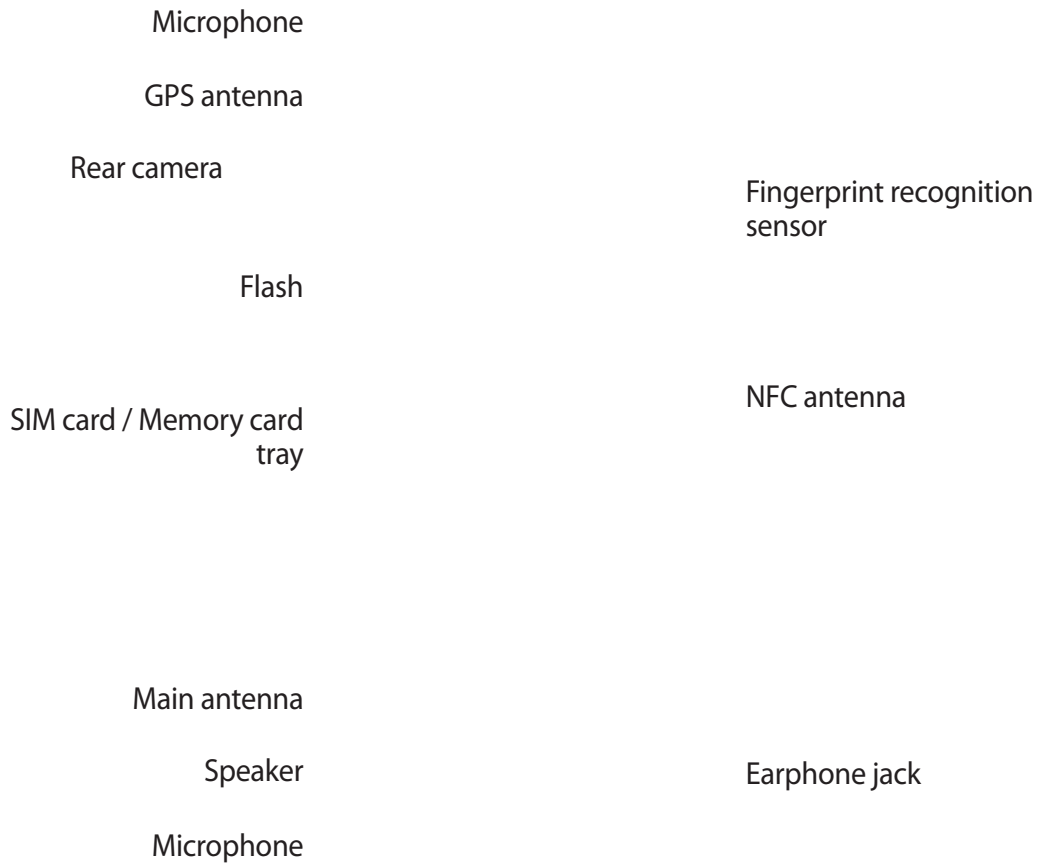
Front camera

Receiver

LED indicator

Volume key

Power key

Bixby key

Touchscreen

Multipurpose jack (USB Type-C)

Microphone

GPS antenna

Rear camera

Fingerprint recognition
sensor

Flash

NFC antenna

SIM card / Memory card
tray

Main antenna

Speaker

Earphone jack

Microphone

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

Hard keys

Volume key

Power key

Bixby key

Key	Function
Power	• Press and hold to turn the device on or off. • Press to turn on or lock the screen.
Bixby	• Press to open Bixby Home. Refer to Bixby for more information. • Press and hold to launch Bixby Voice. Refer to Bixby Voice for more information.
Volume	• Press to adjust the device volume.

Soft buttons

Show and hide button

Back button

Recents button
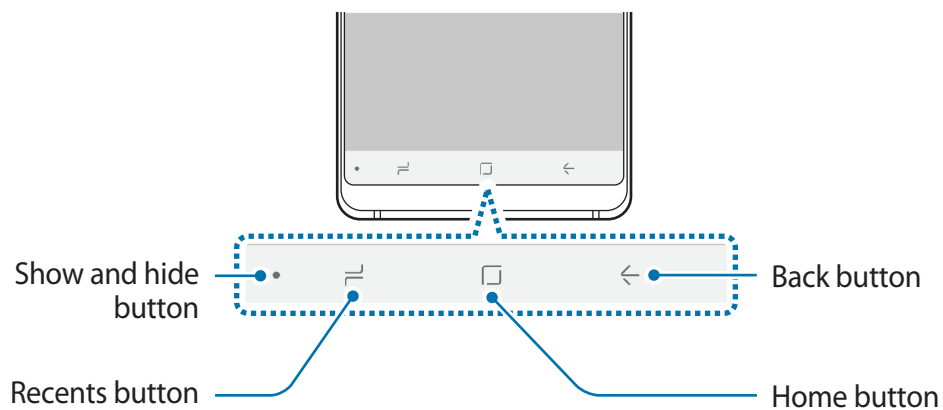
Home button

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

11

Battery

Charging the battery

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

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

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

📝 To save energy, unplug the charger when not in use. The charger does not have a power switch, so you must unplug the charger from the electric socket when not in use to avoid wasting power.

1 Connect the USB cable to the USB power adaptor.

2 Plug the USB cable into the device's multipurpose jack.
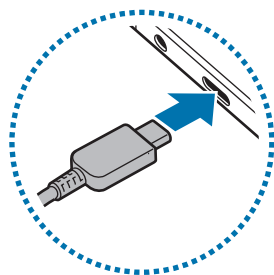
3 Plug the USB power adaptor into an electric socket.

4 After fully charging, disconnect the charger from the device. Then, unplug the charger from the electric socket.

Reducing the battery consumption

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

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

Battery charging tips and precautions

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

Advanced charging

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

Increasing the charging speed

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

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

- You cannot use the built-in advanced charging feature when you charge the battery using a standard battery charger.

- If the device heats up or the ambient air temperature rises, the charging speed may decrease automatically. This is a normal operating condition to prevent damage to the device.

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

Installing the SIM, USIM or UIM card

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

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

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

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

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

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

2 Pull out the tray gently from the tray slot.

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

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

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

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

5 Insert the tray back into the tray slot.

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

Correct card installation

⚠ · Use only a nano-SIM card.

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

Removing the SIM, USIM or UIM card

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

2 Pull out the tray gently from the tray slot.

3 Remove the SIM, USIM or UIM card.

4 Insert the tray back into the tray slot.

Using dual SIM, USIM or UIM cards

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

Activating SIM, USIM or UIM cards

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

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

Customising SIM, USIM or UIM cards

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

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

Setting preferred SIM, USIM or UIM cards

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

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

Turning the device on and off

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

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

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

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

Restarting the device

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

Volume Down key

Power key

Emergency mode

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

Activating emergency mode

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

> • Emergency calls cannot be made if a SIM, USIM or UIM card is not installed, your device cannot connect to a network, or no network is available.
>
> • The usage time left shows the time remaining before the battery power runs out. Usage time left may vary depending on your device settings and operating conditions.

Deactivating emergency mode

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

Initial setup

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

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

1 Turn on the device.

2 Select your preferred device language and select ⊖.

开始

(→)

中文 (简体中文,中国) ▼ ——— Select a language.

紧急呼叫   辅助功能

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

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

5 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.

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 **No, thank you**.

8 Select features you want to use and complete the initial setup.

The Home screen will appear.

Samsung account

Introduction

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

Create your Samsung account with your email address.

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

Registering your Samsung account

Registering a new Samsung account

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

1   Launch the **Settings** app and tap **Cloud and accounts** → **Accounts** → **Add account**.

2   Tap **Samsung account** → **CREATE ACCOUNT**.

3   Follow the on-screen instructions to complete creating your account.

Registering an existing Samsung account

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

1   Launch the **Settings** app and tap **Cloud and accounts** → **Accounts** → **Add account**.

2   Tap **Samsung account** → **SIGN IN**.

3   Enter your Samsung account ID and password and tap **SIGN IN**.

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

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

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

Removing your Samsung account

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

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

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

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

Transferring data from your previous device

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

- This feature may not be supported on some devices or computers.

- Limitations apply. Visit www.samsung.com/cn/smartswitch for details. Samsung takes copyright seriously. Only transfer content that you own or have the right to transfer.

Smart Switch

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

Transferring data wirelessly via Wi-Fi Direct

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

1 On the previous device, launch Smart Switch.

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

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

3 Place the devices near each other.

4 On the previous device, tap **WIRELESS** → **SEND** → **CONNECT**.

5 On your device, tap **WIRELESS** → **RECEIVE** and select the previous device type.

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

Transferring data using external storage

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

1 Transfer data from your previous device to external storage.

2 Insert or connect the external storage device to your device.

3 On your device, launch the **Settings** app and tap **Cloud and accounts** → **Smart Switch** → **EXTERNAL STORAGE** → **RESTORE**.

4 Follow the on-screen instructions to transfer data from external storage.

Transferring backup data from a computer

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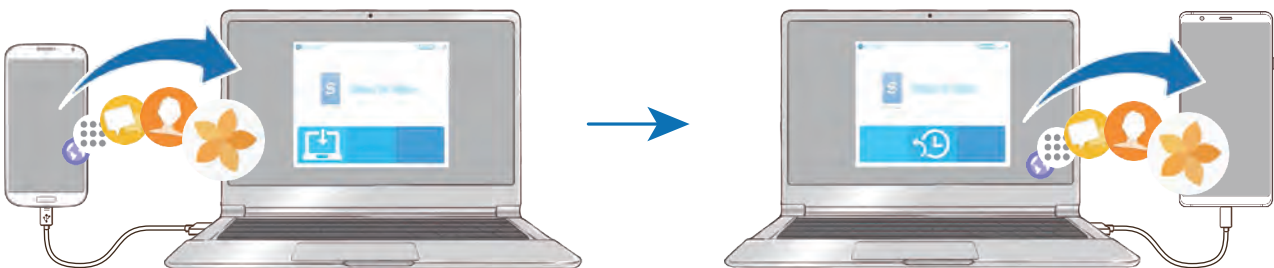
1 On the computer, visit www.samsung.com/cn/smartswitch to download Smart Switch.

2 On the computer, launch Smart Switch.

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

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

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

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

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

Viewing imported data

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

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

Samsung Cloud

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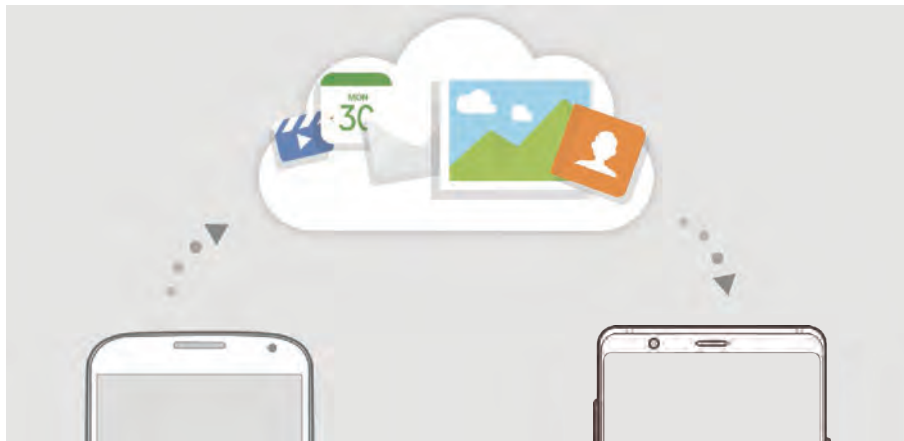
Backing up data

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

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

- If your device supports Samsung Cloud, launch the **Settings** app, tap **Cloud and accounts** → **Samsung Cloud**, select your device under **BACKUP AND RESTORE**, tap **Back up**, and then back up your data.

- The data backup method may vary depending on your model.

- Some data will not be backed up. To check which data will be backed up, launch the **Settings** app, tap **Cloud and accounts** → **Samsung Cloud**, select your device under **BACKUP AND RESTORE**, and then tap **Back up**.

Restoring data

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

2 Select your previous device under **BACKUP AND RESTORE** and tap **Restore data**.

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

Syncing data

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

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

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

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

Checking data

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

• You can immediately check your used memory and saved items, such as **GALLERY** and **SAMSUNG NOTES**. Tap each card and enter the next page. You can change the settings or check the saved data.

• You can check the backup data in your Samsung account by using the **BACKUP AND RESTORE** option. Select your device and tap **Restore data**.

Understanding the screen

Controlling the touchscreen

⚠ • Do not allow the touchscreen to come into contact with other electrical devices. Electrostatic discharges can cause the touchscreen to malfunction.

• To avoid damaging the touchscreen, do not tap it with anything sharp or apply excessive pressure to it with your fingertips.

• Leaving the touchscreen idle for extended periods may result in afterimages (screen burn-in) or ghosting. Turn off the touchscreen when you do not use the device.

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

• It is recommended to use fingers when you use the touchscreen.

Tapping

Tap the screen.
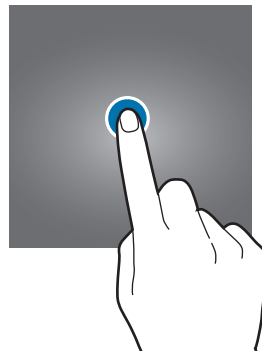
Tapping and holding

Tap and hold the screen for approximately 2 seconds.
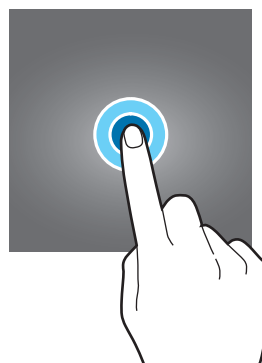
Dragging

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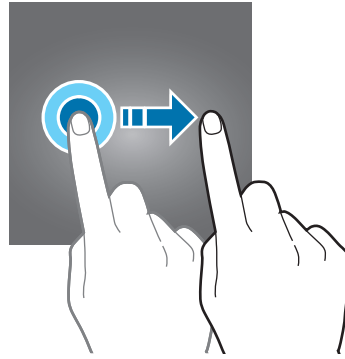
Double-tapping

Double-tap the screen.

Swiping

Swipe upwards, downwards, to the left, or to the right.
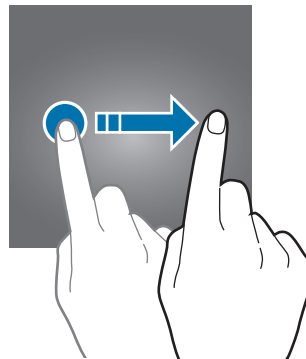
Spreading and pinching

Spread two fingers apart or pinch on the screen.

33
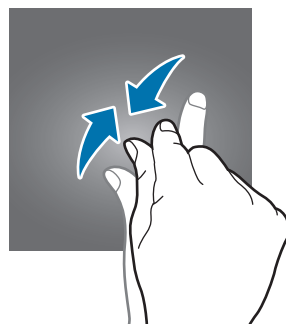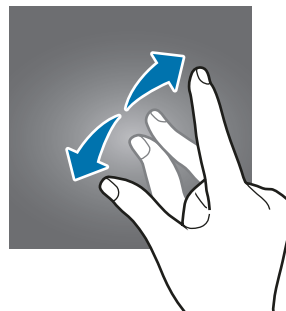
Navigation bar (soft buttons)

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

Show and hide
button

Recents button

Back button

Home button
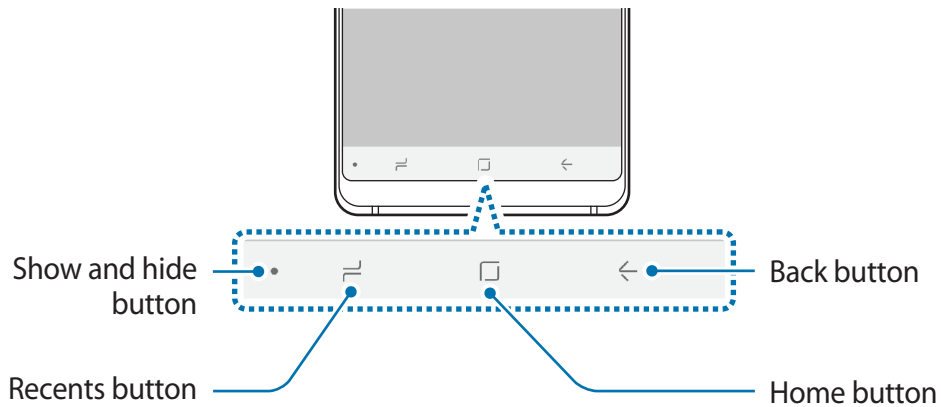
Button		Function
●	Show and hide	• Double-tap to pin or hide the navigation bar.
⇄	Recents	• Tap to open the list of recent apps.
▢	Home	• Tap to return to the Home screen. • Tap and hold to launch a preset app.
←	Back	• Tap to return to the previous screen.

Displaying or hiding the navigation bar

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

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

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

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

Turning on the screen using the Home button

On the Always On Display, double-tap the Home button to turn on the screen.
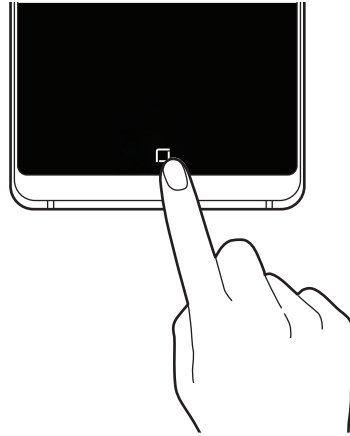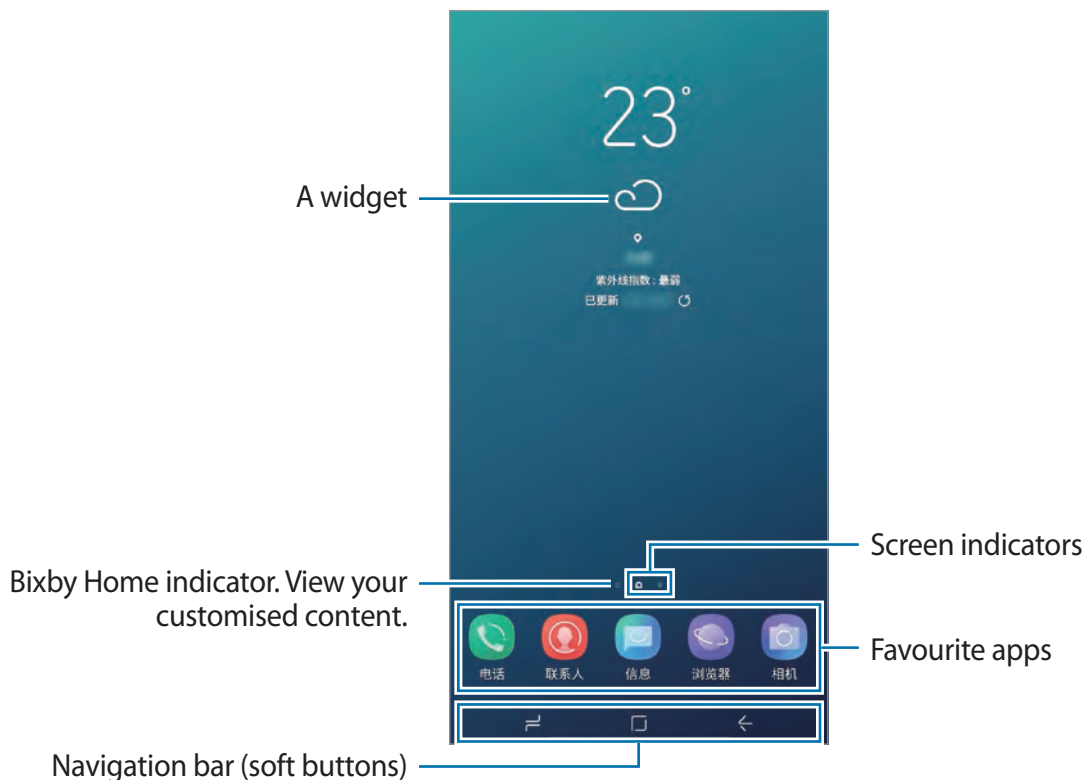
Setting the navigation bar

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

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

Home screen

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

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

A widget

紫外线指数：最弱
已更新

Screen indicators

Bixby Home indicator. View your customised content.

电话　联系人　信息　浏览器　相机

Favourite apps

Navigation bar (soft buttons)

Moving items

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

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

Creating folders

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

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

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

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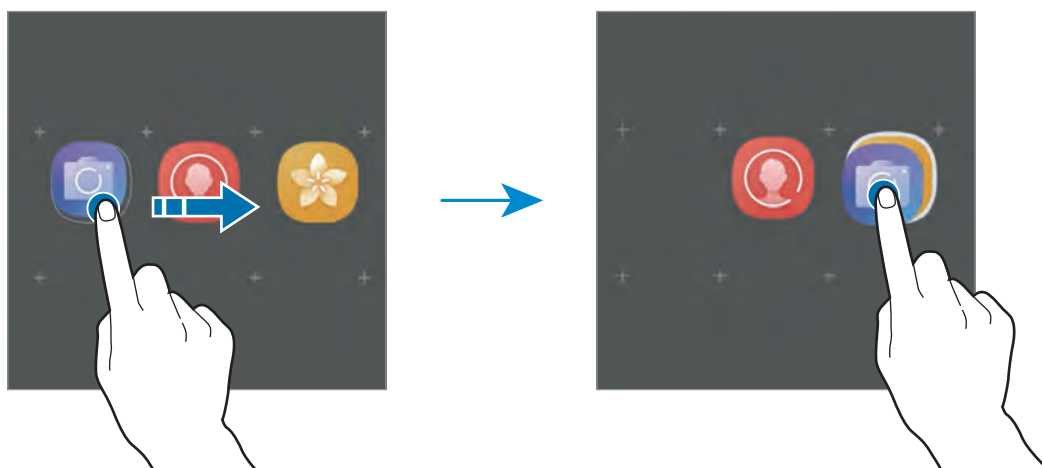
- **Adding more apps**

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

- **Moving apps from a folder**

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

- **Deleting a folder**

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

Editing the Home screen

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

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

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

Using the separate Apps screen

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

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

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

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

Home screen   Apps screen
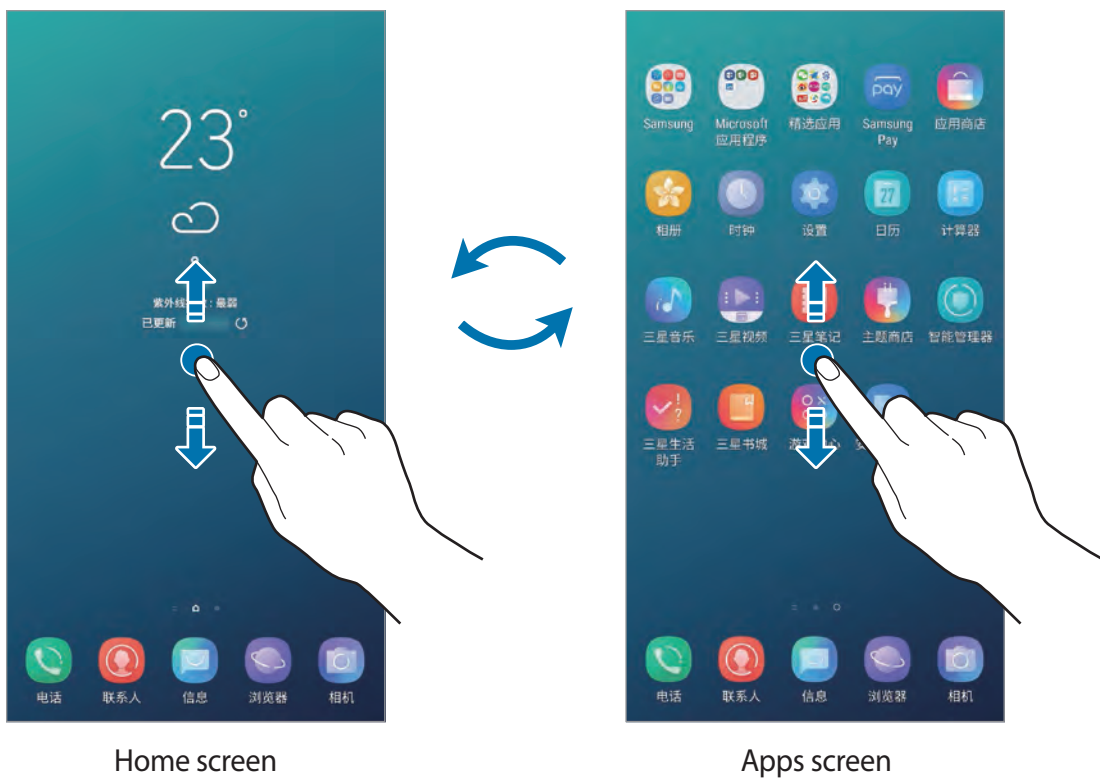
Indicator icons

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

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

Icon	Meaning
⊘	No signal
⏶	Signal strength
ᴿ⏶	Roaming (outside of normal service area)
G	GPRS network connected
E	EDGE network connected
3G	UMTS network connected
H	HSDPA network connected
H+	HSPA+ network connected
4G / 4G+	LTE network connected (LTE-enabled models)
📶	Wi-Fi connected
✳	Bluetooth feature activated
📍	Location services being used
📞	Call in progress
📵	Missed call
💬	New text or multimedia message
⏰	Alarm activated
🔇	Mute mode activated
📳	Vibration mode activated
✈	Flight mode activated
⚠	Error occurred or caution required
🔋	Battery charging
▯	Battery power level

Lock screen

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

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

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

Locked screen

Changing the screen lock method

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

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

- **Swipe**: Swipe in any direction on the screen to unlock it.
- **Pattern**: Draw a pattern with four or more dots to unlock the screen.
- **PIN**: Enter a PIN with at least four numbers to unlock the screen.

- **Password**: Enter a password with at least four characters, numbers, or symbols to unlock the screen.

- **None**: Do not set a screen lock method.

- **Face**: Register your face to unlock the screen. Refer to Face recognition for more information.

- **Fingerprints**: Register your fingerprints to unlock the screen. Refer to Fingerprint recognition for more information.

> 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.

Capturing a screenshot

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

- Key capture: Press and hold the Volume Down key and the Power key simultaneously.

- Quick setting button capture: Open the notification panel, swipe downwards on the notification panel, and then tap **Capture screen**.

- Swipe capture: Swipe your hand to the left or right across the screen.

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

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

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

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

Notification panel

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

To open the notification panel, drag the status bar downwards. To close the notification panel, swipe upwards on the screen.
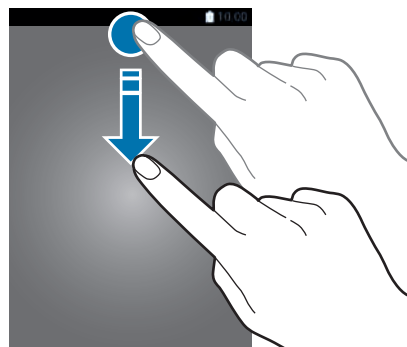
> You can open the notification panel, even on the locked screen.

You can use the following functions on the notification panel.

Launch **Settings**.

Quick setting buttons

Preferred SIM, USIM or UIM card for each option. Tap to access the SIM card manager.

View the notification details and perform various actions.

Clear all notifications.

Access the notification settings.

Using quick setting buttons

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

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

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

Entering text

Keyboard layout

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

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

Additional keyboard functions

View more keyboard functions.

Hide the keyboard.

Delete a preceding character.

Enter symbols.

Break to the next line.

Enter numbers.

Change the input language.

Enter a space.
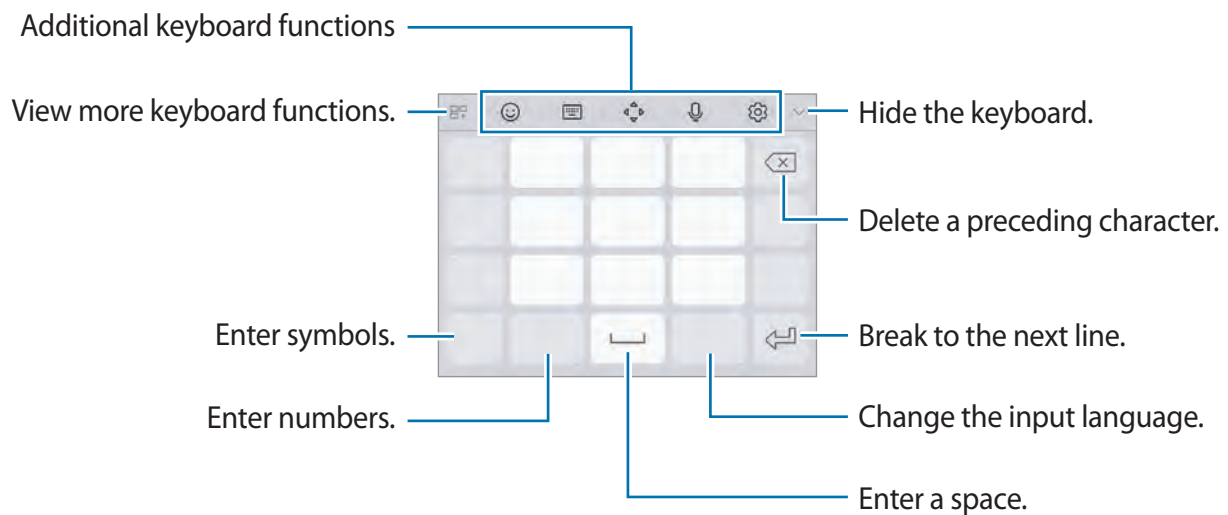
Changing the input language

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

Changing the keyboard type

Tap ⚙ → **Languages and types**, select a language, and then select the keyboard type you want.

> On a **Pinyin 3 x 4 keyboard**, a key has three or four characters. To enter a character, tap the corresponding key repeatedly until the desired character appears.

Additional keyboard functions

- ☺ : Enter emoticons.
- ☺ → (^_^) : Enter kaomojis.
- ☺ → ▣ : Attach animated GIFs.
- ☺ → ▣ : Enter stickers.
- ▥ → **PY. QWERTY**: Switch to qwerty pinyin mode.
- ▥ → **PINYIN 3 x 4**: Switch to 3x4 pinyin mode. To enter a character, tap the corresponding key and select characters from the left side.
- ▥ → **SHUANGPIN**: Switch to shuangpin mode. To view the character input map, tap ⚙ → **Chinese input options** → **ShuangPin keyboard**.
- ▥ → **WUBI**: Switch to wubi mode.
- ▥ → **STROKE**: Switch to stroke mode. Tap stroke keys to enter a character. Tap 通 when you are unsure about which stroke to enter.
- ▥ → **HALF-SCREEN HANDWRITING** or **FULL-SCREEN HANDWRITING**: Switch to handwriting mode.
- ◈ : Open the text editing panel.
- ▽ : Enter text by voice.
- ⚙ : Change the keyboard settings.
- ▤ → ▤ : Add an item from the clipboard.
- ▤ → ▣ : Change the keyboard for one-handed operation.

Copying and pasting

1 Tap and hold over text.

2 Drag ● or ● to select the desired text, or tap **Select all** to select all text.

3 Tap **Copy** or **Cut**.

The selected text is copied to the clipboard.

4 Tap and hold where the text is to be inserted and tap **Paste**.

To paste text that you have previously copied, tap **Clipboard** and select the text.

Dictionary

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

1 Tap and hold over a word that you want to look up.

If the word you want to look up is not selected, drag ⬤ or ⬤ to select the desired text.

2 Tap **More** → **Dictionary** on the options list.

If a dictionary is not preinstalled on the device, tap **Move to Manage dictionaries** → ⬤ next to a dictionary to download it.

3 View the definition in the dictionary pop-up window.

To switch to the full screen view, tap ⬚. Tap the definition on the screen to view more definitions. In the detailed view, tap ★ to add the word to your favourite words list or tap **Search Web** to use the word as a search term.

Apps and features

Installing or uninstalling apps

Galaxy Apps

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

Launch the **Galaxy Apps** app.

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

Installing apps

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

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

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

Managing apps

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

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

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

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

Bixby

Introduction

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

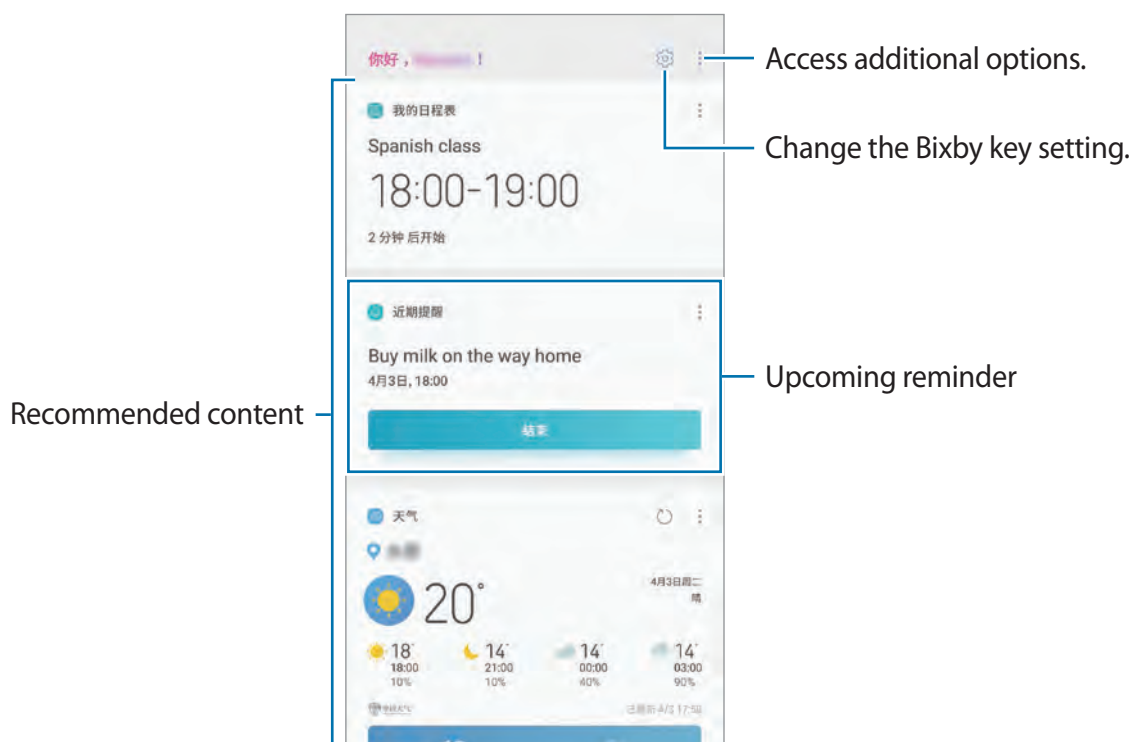• **Bixby Home**: You can view recommended services and information that Bixby provides by analysing your usage patterns and your routine.

• **Bixby Voice**: You can use voice commands to request what you want with Bixby Voice.

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

• **Reminder**: You can create reminders to schedule to-do items or to view content later.

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

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

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

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

Starting Bixby

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

1 Press the Bixby key.

2 Check the Bixby intro page and tap **NEXT**.

3 Tap **SIGN IN** and follow the on-screen instructions to sign in to your Samsung account.

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

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

5 Read and agree to the terms and conditions and tap **NEXT**.

6 Follow the on-screen instructions to complete the Bixby Voice setup.

Bixby Home

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

Opening Bixby Home

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

The Bixby Home screen will appear.

2 Swipe upwards or downwards to view recommended content.

Access additional options.

Change the Bixby key setting.

Upcoming reminder

Recommended content

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

Using recommended content on Bixby Home

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

For example, on the way to the office in the morning, you can view your day's schedule and play your favourite music on the Bixby Home screen. In the evening, you can 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 Bixby cards list

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

Selecting apps to show as Bixby cards

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

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

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

Bixby Voice

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

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

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

Launching Bixby Voice

Launching Bixby Voice with the Bixby key

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

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

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

Share the current screen.

Adjust the volume of voice feedback.

View your history of conversations.

Bixby Voice settings

My Bixby

Search commands.

Suggested commands
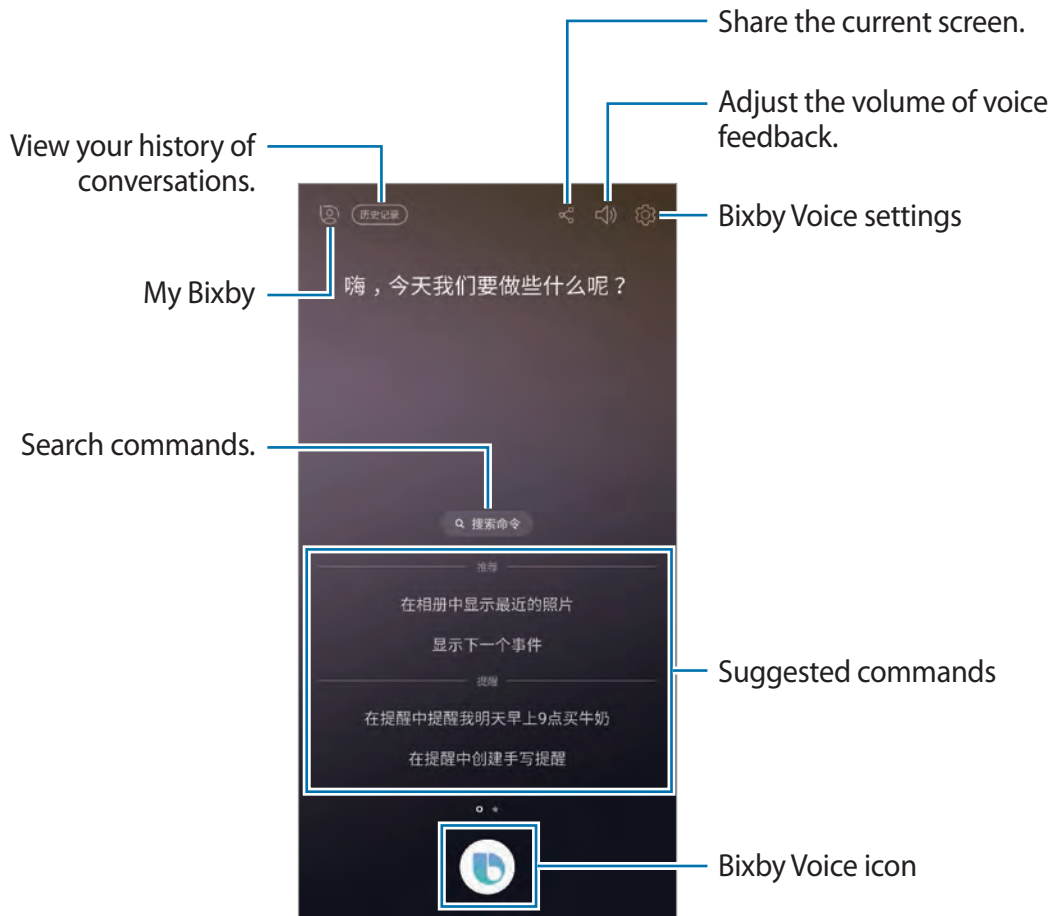
Bixby Voice icon

Launching Bixby Voice using your voice

You can start a conversation without pressing and holding the Bixby button. Register your voice so that Bixby Voice will launch when you say "Hi Bixby".

1 On the Bixby Home screen, tap ⋮ → **Settings** → **Voice wake-up** and tap the switch to activate it.

2 Tap and follow the on-screen instructions to complete the setup.

Now you can say "Hi Bixby", and when the device emits a sound, say what you want.

Using Bixby Voice

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

For example, if you say "Show me today's weather", then the weather information will appear on the Bixby Voice screen.

Status: Listening   Status: Processing   Corresponding function launched
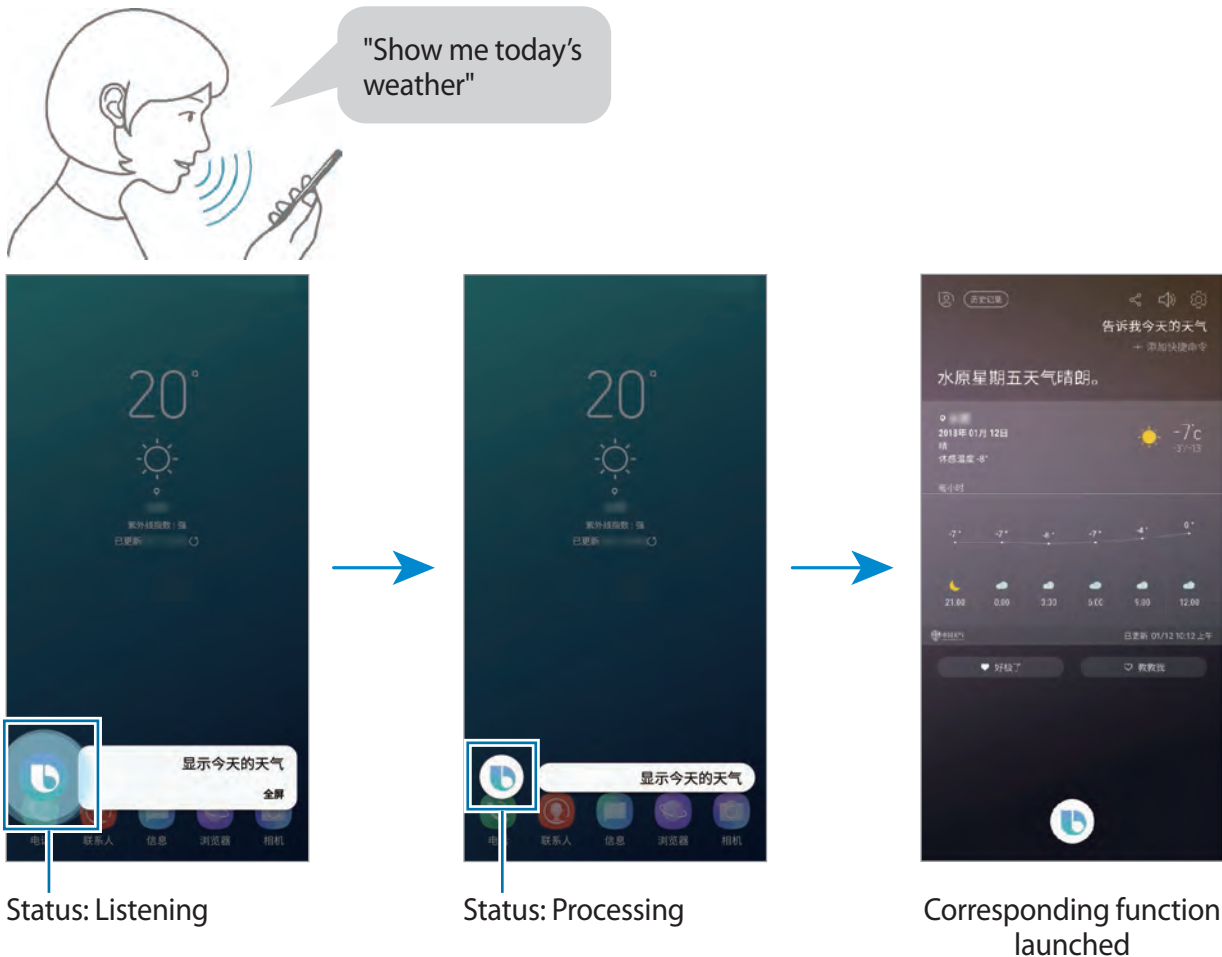
If Bixby Voice is on standby ( ), it cannot listen to your voice. Tap the standby status icon ( ) and say your request again when the icon changes to the listening status icon ( ).

Status icons

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

Bixby Voice is listening. Say your request.

Bixby Voice is processing your request.

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

Getting follow-up questions

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

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

Closing Bixby Voice

To stop using Bixby Voice, tap the Back button.

Viewing supported apps and commands

To view Bixby Voice supported apps and various ways to use Bixby Voice, open Bixby Home and tap ⋮ → **Voice apps and services**. You can view the suggested commands of how to use each app. To use an app, say the suggested command to Bixby Voice.

Deactivating Bixby Voice

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

On the Bixby Home screen, tap ⋮ → **Settings** and tap the **Bixby Voice** switch to deactivate it.

Bixby Voice usages

Launching apps or functions

Launch apps or functions quickly using Bixby Voice.

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

1 Press and hold the Bixby key, say "Call mom", and then release your finger from the Bixby key.

2 Bixby will now make a call to the contact saved as mom and you can begin your conversation.

Browsing the Internet

Say "Search for nearby libraries on the Internet" to Bixby Voice.

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

Checking your tasks

Say "Show me my tasks" to Bixby Voice.

The **Calendar** app will launch and it will show your task list.

Viewing your travel photos

Say "Open Gallery and find photos taken in New York" to Bixby Voice.

The **Gallery** app will launch and it will show you the photos taken in New York.

Recording voice

Say "Open Voice Recorder and start recording" to Bixby Voice.

The **Voice Recorder** app will launch and it will start recording.

Viewing your step count records

Say "Show me my step count for today" to Bixby Voice.

The **Samsung Health** app will launch and it will show you the steps tracker.

Using quick commands

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

Adding your own quick commands

1 On the Bixby Home screen, tap ⫶ → **My Bixby** → **Quick commands**.

2 Tap **ADD** → **Add quick command**.

Add your own quick commands.

3 Tap ⓑ, say a quick command to add, and then tap **SAVE**.

4 Tap **Add Bixby command** and select **Select from history** or **Search all commands**.

5 Select a command that Bixby Voice will perform.

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

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

6 Tap **SAVE**.

Adding recommended quick commands

You can add recommended quick commands to your quick commands.

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

Launching commands using quick commands

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

The commands you set to the quick command will launch.

Making custom responses

Make your chats with Bixby Voice unique with custom responses.

Adding custom responses

1 On the Bixby Home screen, tap ⋮ → **My Bixby** → **Custom chat**.

2 Tap **ADD** and enter what you say and what Bixby Voice will answer.

What you say

What Bixby Voice answers

3 Tap **SAVE**.

When you say the custom chat line, Bixby Voice will answer with the response you saved.

Additional Bixby Voice functions

Checking supported languages

Bixby Voice is only available in some languages, and certain features may not be available depending on your region. To see the list of supported languages, open Bixby Home, and then tap ⋮ → **Settings** → **Language and speaking style** → **Languages**.

Using dictation mode

Use dictation mode when it is hard to type.

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

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

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

Sending feedback to Bixby Voice

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

Tap ♥ when Bixby Voice completes your request.

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

Well done.

Let's improve.

Unlocking the screen by voice

You can unlock the screen by saying your voice password to Bixby Voice.

- Your device can be unlocked by someone else who says the correct password.
- Voice password is less secure than Pattern, PIN, or Password.

Setting a voice password

1 On the Bixby Home screen, tap ⋮ → **Settings** → **Unlock with voice password**.

2 Unlock the screen using the preset screen lock method.

   If you have not set a screen lock method, create one.

3 Read the on-screen instructions and tap **CONTINUE**.

4 Tap 🅑 and say your voice password.

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

Unlocking the screen with your voice password

If you speak to Bixby Voice while the screen is locked, Bixby Voice will ask you to say your voice password. Say your voice password to unlock the screen.

Waking up Bixby Voice while using the speaker

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

On the Bixby Home, tap ⋮ → **Settings** → **Voice wake-up** and tap the **Use when phone speaker playing** switch to activate it.

Using earphones or a Bluetooth headset

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

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

Call button
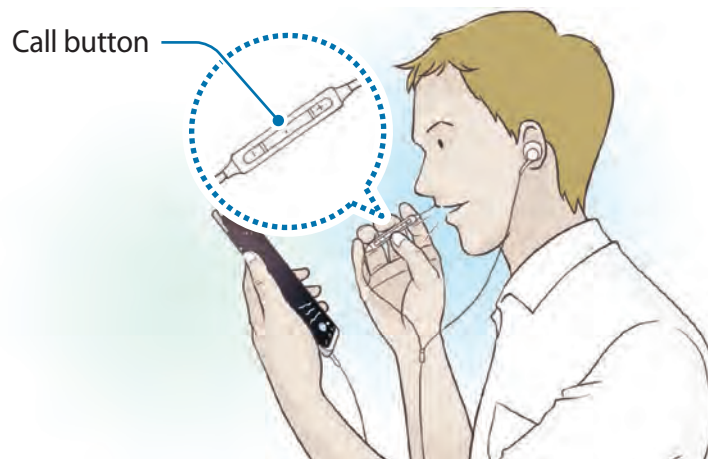
Bixby Vision

Bixby Vision is a service that provides information, such as similar images, location, translated text, and QR codes. Bixby Vision recognises objects quickly and intuitively even when you do not know its name.

Use the following Bixby Vision features.

Text   Shopping   Wine   Homework

Image   Place   QR code

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

Launching Bixby Vision

1 Launch Bixby Vision using one of these methods.

- In the **Camera** app, select the **AUTO** mode and tap ⊚.
- In the **Gallery** app, select an image and tap ◌.
- In the **Internet** app, tap and hold an image and tap **Bixby Vision**.
- Capture a screen and select **Bixby Vision** on the toolbar.
- If you added the Bixby Vision app icon to the Home screen, launch the **Bixby Vision** app.

2 Select the feature you want.

3 Keep the object within the screen to recognise it.

When the object is recognised, search results will appear on the screen.

To view more information, tap the feature icon or select a search result.

Detecting and translating text

Detect text in an image to share or translate it.

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

1 When you have a desired image or object, launch Bixby Vision.

2 Select Ⓣ and keep the text within the screen to recognise it.

3 Tap Ⓣ.

The text will be detected.

- **EXPORT**: Save the detected text as a file.
- **TRANSLATE**: Detect text and translate it. Select a target language.

Setting languages for text detection

Select the language to use when detecting text using the Bixby Vision features.

1   Activate Bixby Vision.

2   Tap ⋮ → **Settings** → **Select languages**.

3   Tap **Language to detect**, select the language to use, and then tap **DONE**.

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   When you have a desired image or object, launch Bixby Vision.

2   Select 🖼 and keep the object within the screen to recognise it.

3   Tap 🖼 or select a search result on the screen.
    The similar images will appear.

Searching for shopping information

Recognise a product or its barcode to search for information even when you do not know the product's name.

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

1   When you have a desired image or object, launch Bixby Vision.

2   Select 🛒 and keep the object within the screen to recognise it.

3   Tap 🛒 or select a search result on the screen.
    The information about the product will appear.

Searching for nearby places

Search for landmarks or information about nearby places by recognising your current location.

For example, if you want to search for cafes near a landmark, use the Bixby Vision features. The device will search for and show you nearby cafes.

1 When you have a desired landmark or place, launch Bixby Vision.

2 Select ⊚ and keep the landmark or place within the screen to recognise it.

You can view basic information about nearby places.

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

> If you are using Bixby Vision with the camera, 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 Tap ⊚ or select a search result on the screen.

The device will show information of nearby places.

Searching for wine information

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

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

1 When you have a desired image or object, launch Bixby Vision.

2 Select 𝒬 and keep the wine label within the screen to recognise it.

3 Tap 𝒬 or select a search result on the screen.

The information about the wine label will appear.

Reading QR codes

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

1   When you have a desired image or object, launch Bixby Vision.

2   Select ▦ and keep the QR code within the screen to recognise it.

The information connected to the QR code will appear.

Searching for homework information

Search for more information about your homework by selecting one question at a time.

1   When you have a desired answer for your question, launch Bixby Vision.

2   Select ▣ and keep the question within the screen to recognise it.

3   Tap ▣.

The answer for the question will appear.

Reminder

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

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

Starting Reminder

You can start Reminder from Bixby Home.

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

The Bixby Home screen will appear.

2 Tap **GET STARTED** on the **UPCOMING REMINDERS** card.

The Reminder intro page will appear.

Add the app icon to the Home screen.

3 Tap **START**.

If the **Add Reminder on Home screen** option is ticked, you can launch the **Reminder** app ( ) from the Home screen.

Creating reminders

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

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** and enter 'Water the flowers'.

3 Tap **Set conditions** → **Pick a place** and set the location to home.

4 Tap **WHEN I ARRIVE AT** → **DONE**.
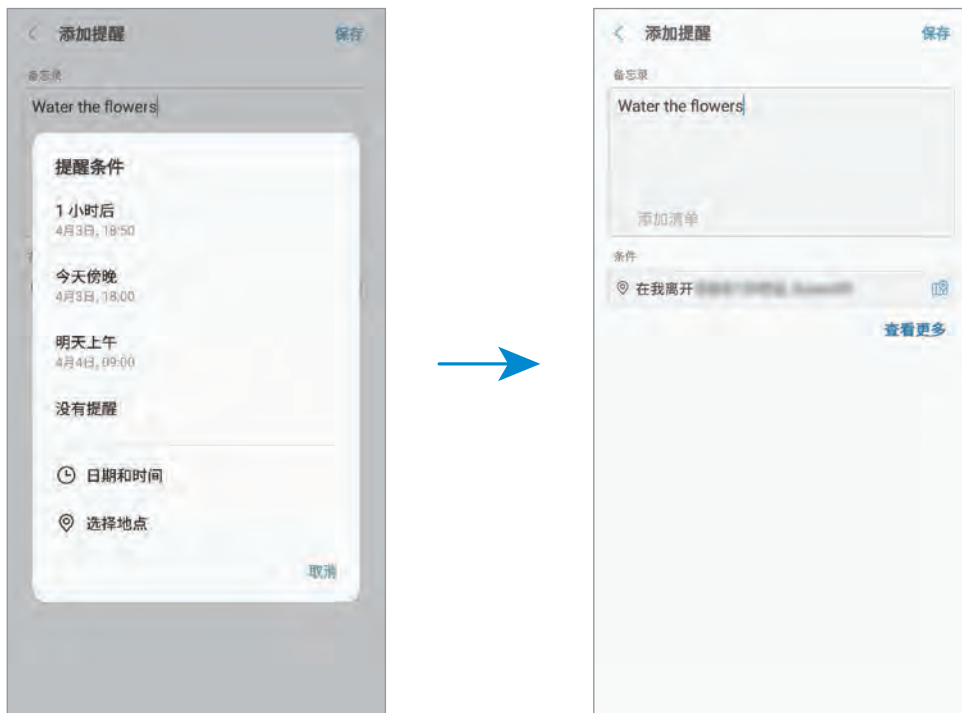
5 Tap **SAVE** to save the reminder.

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

Creating reminders with Bixby Voice

Press and hold the Bixby key and say "Remind me to water the flowers when I get home".
Bixby Voice 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.
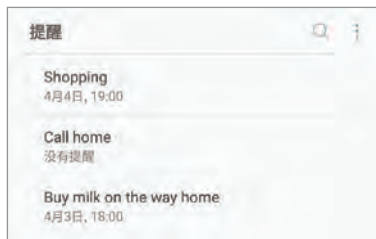
Setting reminder details

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

1 Select a reminder to edit and tap **EDIT**. Alternatively, swipe right on a reminder and tap **Edit**.

2 Edit the conditions and tap **SAVE**.

Completing reminders

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

On the reminders list, select a reminder and tap **COMPLETE**. Alternatively, swipe to the left on a reminder.

Restoring reminders

Restore reminders that have been completed.

1 On the reminders list, tap ⋮ → **Completed** → **EDIT**.

2 Tick items to restore and tap **RESTORE**.

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

Deleting reminders

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

Customising Bixby settings

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

- **Samsung account**: View your Samsung account information.
- **HOME CARDS**
  - **Cards**: Select apps to show as cards on the Bixby Home screen.
  - **Show on Lock screen**: Select apps to show as cards when opening Bixby Home on the locked screen.
- **VOICE**
  - **Bixby Voice**: Activate or deactivate Bixby Voice. If you deactivate Bixby Voice, Bixby Voice will not launch when you press and hold the Bixby key or say the voice wake-up command.
  - **Background color**: Change the background colour of the Bixby Voice full screen. As you earn more Bixby experience to level up, you can use more colours.
  - **Language and speaking style**: Set the language to communicate with Bixby Voice and set the style of voice feedback. The selected language is applied only when you talk with Bixby Voice.

– **Voice feedback**: Activate or deactivate voice feedback from Bixby Voice.

– **Feedback style**: Set Bixby Voice to respond in short statements or in a more conversational style.

– **Voice wake-up**: Set Bixby Voice to wake up when it hears you say "Hi Bixby". You can also change the settings for the voice wake-up feature.

– **Unlock with voice password**: Set the device to unlock by saying your voice password to Bixby Voice.

> • Your device can be unlocked by someone else who says the correct password.
> • Voice password is less secure than Pattern, PIN, or Password.

– **Dictation on keyboard**: Set Bixby Voice to start dictation mode when you press and hold the Bixby key while the Samsung keyboard is open.

– **Read aloud in high quality**: Set Bixby Voice to read messages aloud in high quality audio.

– **Bixby XP animation**: Set whether to show an animation when you earn Bixby XP.

– **Voice apps and services**: View Bixby Voice supported apps and each app's suggested commands.

– **Bixby Labs**: View apps and voice commands that Bixby Voice is experimenting with at Bixby Labs. If you install the apps the Bixby Labs recommends, you can experience Bixby Voice in more apps.

– **Auto-update 3rd party app plugin**: Set the device to automatically update plugins Bixby uses to control third party apps.

• **GENERAL**

– **Bixby key**: Set whether to open Bixby Home when you press the Bixby key.

– **Auto-update Bixby:** Set the device to update Bixby software automatically even when using your mobile network.

> You can incur additional charges when using this feature.

– **Notifications**: Set to receive notifications about Bixby Home cards, marketing information, and more.

– **Privacy**: Set to use Bixby's interactive and customised services to enhance your experience. You can also delete Bixby interaction data.

– **About Bixby:** View the Bixby version and legal information.

Phone

Introduction

Make or answer voice calls.

Making calls

1 Launch the **Phone** app and enter a phone number.

If the keypad does not appear on the screen, tap ⊞ to open the keypad.

2 Tap 📞 or 📞 to make a voice call.

Access additional options.

Yellow Pages search results

Preview the phone number.

Delete a preceding character.

Hide the keypad.

Making calls from call logs or contacts list

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

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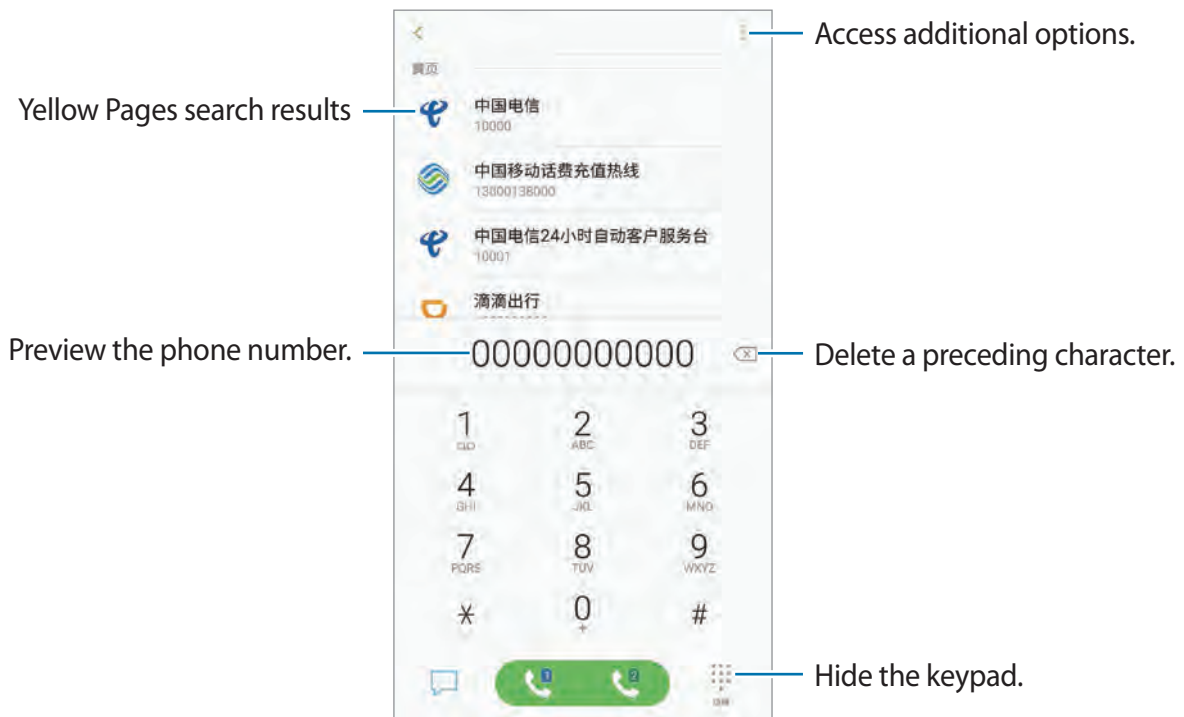
Using speed dial

Set speed dial numbers to quickly make calls.

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

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

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

Making calls from the locked screen

On the locked screen, drag 📞 outside the circle.

Making calls using Yellow Pages

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

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

Making an international call

1 Tap ⌨ to open the keypad if the keypad does not appear on the screen.

2 Tap and hold **0** until the + sign appears.

3 Enter the country code, area code, and phone number, and then tap 📞 or 📞.

Receiving calls

Answering a call

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

Rejecting a call

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

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

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

Missed calls

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

Blocking phone numbers

Block calls from specific numbers added to your block list.

1 Launch the **Phone** app and tap → **Settings** → **Call blocking** → **Black list** → **BLACK LIST**.

2 Tap → **Add manually** or **Add from Contacts/Phone log**.

3 Enter a phone number or tick contacts, and then tap **DONE**.

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

Options during calls

During a voice call

The following actions are available:

Access additional options.

Increase the volume.

Switch to a Bluetooth headset if it is connected to the device.

Record a call conversation.

Open or close the keypad.

Activate or deactivate the speakerphone.

Turn off the microphone so that the other party cannot hear you.

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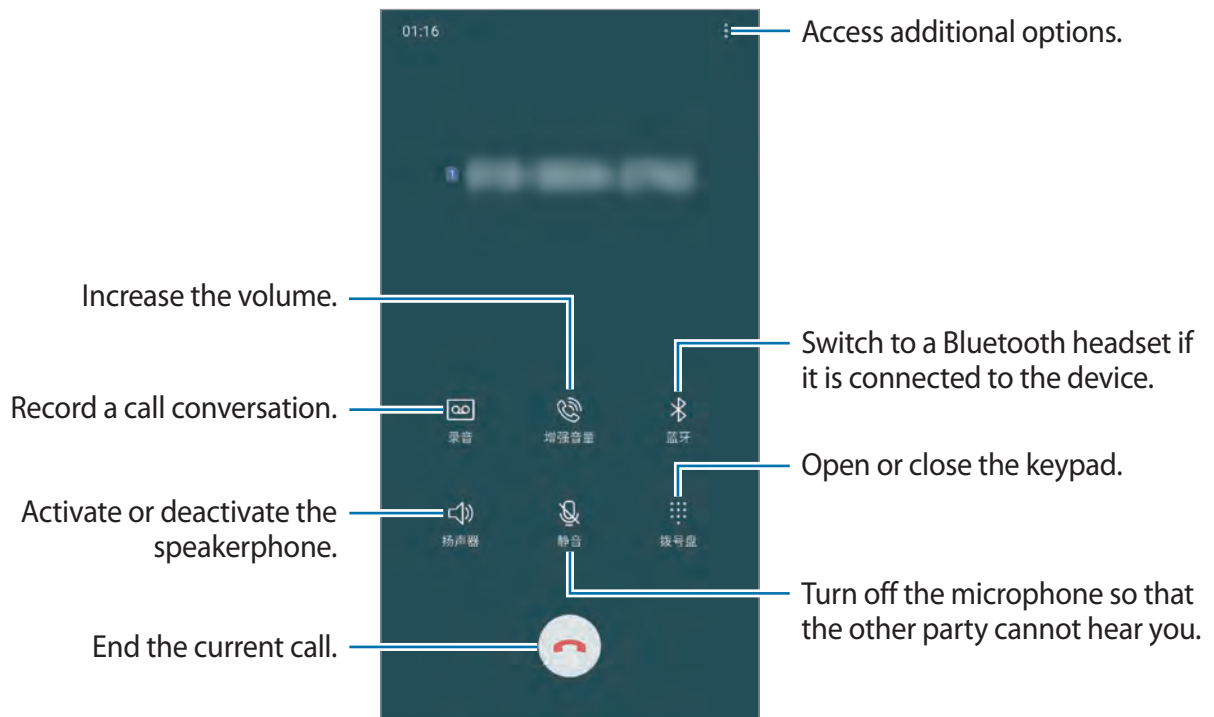
> • When using the speakerphone, keep the device away from your ears.
>
> • When you record a call conversation, the file will be saved to **My Files** → **Internal storage** → **Call**.
>
> • If the area around the rear camera and the fingerprint recognition sensor is covered, unwanted noises may incur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

Apps and features

Adding a phone number to Contact

Adding a phone number to Contacts from the keypad

1 Launch the **Phone** app.

2 Enter the number.

If the keypad does not appear on the screen, tap to open the keypad.

3 Tap **CREATE CONTACT** to create a new contact, or tap **UPDATE EXISTING** to add the number to an existing contact.

Adding a phone number to Contacts from the calls list

1 Launch the **Phone** app and tap **RECENTS**.

2 Tap a caller's image, or tap a phone number → **Details**.

3 Tap **Create contact** to create a new contact, or tap **Update existing** to add the number to an existing contact.

Adding a tag to a phone number

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

1 Launch the **Phone** app and tap **RECENTS**.

2 Tap a phone number → **Details**.

3 Tap **Add tag**, enter a tag, and then tap **DONE**.

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

Contacts

Introduction

Create new contacts or manage contacts on the device.

Adding contacts

Creating a new contact

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

2 Enter contact information.

Select a storage location.

Add an image.

Enter contact information.

Open more information fields.

Scan contact information from a business card.
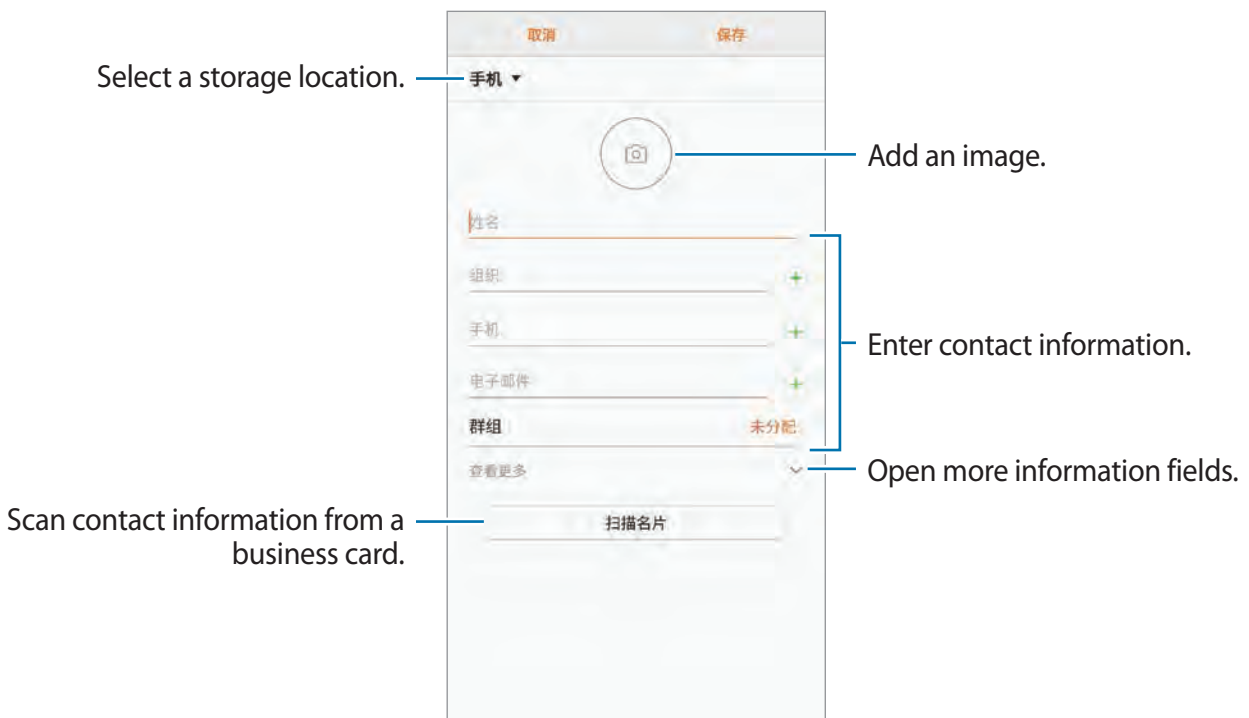
> Depending on the selected storage location, the types of information you can save may vary.

3 Tap **SAVE**.

Importing contacts

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

1 Launch the **Contacts** app and tap ⋮ → **Manage contacts** → **Import/Export contacts** → **IMPORT**.

2 Select a storage location to import contacts from.

3 Tick VCF files or contacts to import and tap **DONE**.

4 Select a storage location to save contacts to and tap **IMPORT**.

Syncing contacts with your web accounts

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

1 Launch the **Settings** app, tap **Cloud and accounts** → **Accounts** and select the account to sync with.

2 Tap **Sync account** and tap the **Sync Contacts** switch to activate it.

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

Searching for contacts

Launch the **Contacts** app.

Use one of the following search methods:

• Scroll up or down the contacts list.

• Drag a finger along the index at the right side of the contacts list to scroll through it quickly.

• Tap the search field at the top of the contacts list and enter search criteria.

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

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

Sharing contacts

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

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

2 Select contacts and tap **SHARE**.

3 Select a sharing method.

Saving and sharing profile

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

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

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

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

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

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

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

Creating groups

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

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

2 Enter a group name.

   To set a group ringtone, tap **Group ringtone** and select a ringtone.

3 Tap **Add member**, select contacts to add to the group, and then tap **DONE**.

4 Tap **SAVE**.

Sending a group message

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

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

Merging duplicate contacts

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

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

2 Tick contacts and tap **MERGE**.

Deleting contacts

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

2 Select contacts and tap **DELETE**.

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

Messages

Introduction

Send and view messages by conversation.

Sending messages

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

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

2 Add recipients and tap **START**.

3 Enter a message.

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

Recipient

Access additional options.

Make a call to the recipient.

Attach files.

Send the message.

Enter a message.

Enter stickers.
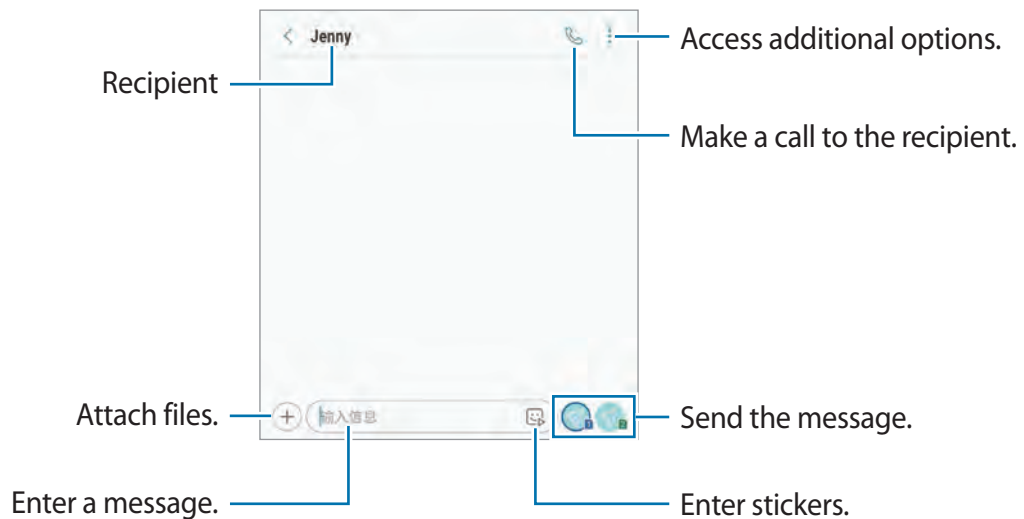
4 Tap   or   to send the message.

Viewing messages

Messages are grouped into message threads by contact.

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

1 Launch the **Messages** app and tap **CONVERSATIONS** or **ANNOUNCEMENTS**.

2 On the messages list, select a contact.

3 View your conversation.

To reply to the message, tap **Enter message**, enter a message, and then tap 📧 or 📧.

Blocking unwanted messages

Block messages from specific numbers added to your block list.

1 Launch the **Messages** app and tap ⋮ → **Settings** → **Block numbers and messages** → **Blocked messages** → **BLACK LIST**.

2 Tap ➕ → **Add manually** or **Add from Contacts/Phone log**.

3 Enter a phone number or tick contacts, and then tap **DONE**.

Setting the message notification

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

1 Launch the **Messages** app, tap ⋮ → **Settings** → **Notifications**, and then tap the switch to activate it.

2 Change the notification settings.

Setting a message reminder

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

Internet

Introduction

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

Browsing webpages

1 Launch the **Internet** app.

2 Tap the address field.

3 Enter the web address or a keyword, and then tap **Go**.

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

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

Bookmark the current webpage.

Access additional options.

Refresh the current webpage.

Open the homepage.

View your bookmarks, saved webpages, and recent browsing history.

Quick menu

Move between pages.

Open the browser's tab manager.
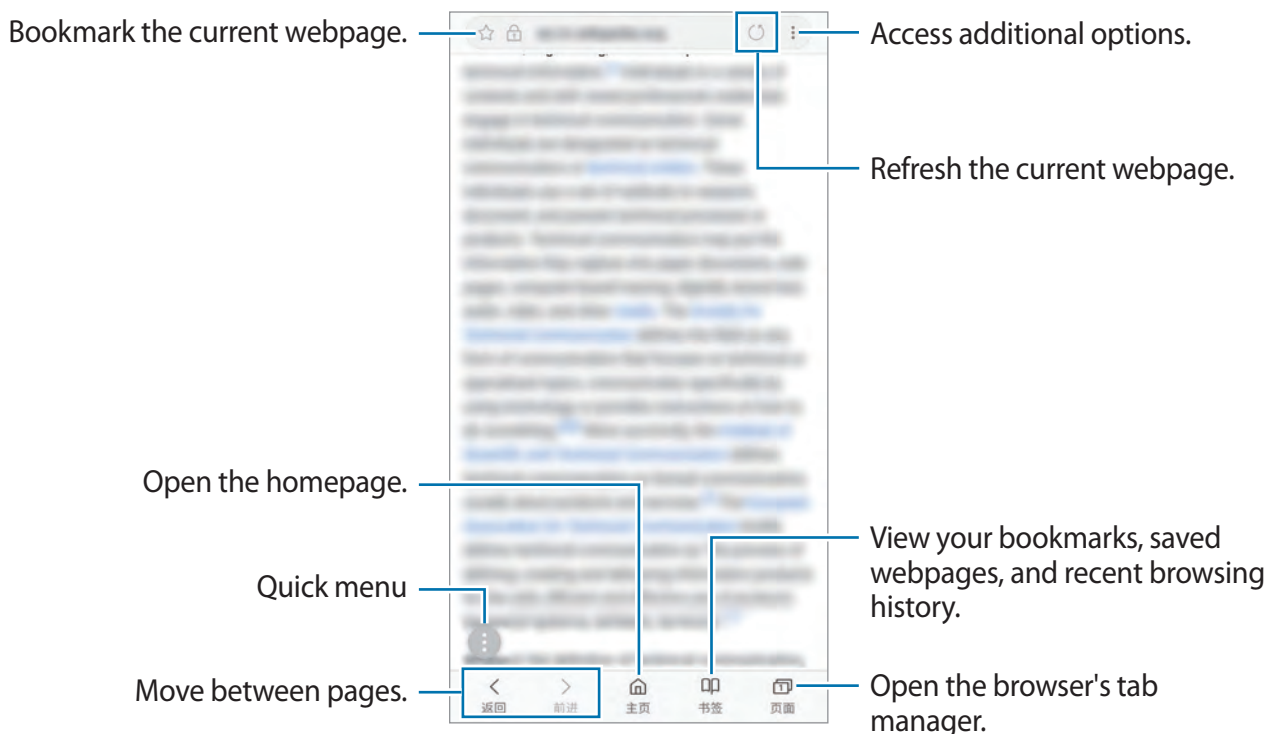
Using secret mode

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

Activating secret mode

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

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

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

Changing security settings

You can change your password or the lock method.

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

Deactivating secret mode

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

Email

Setting up email accounts

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

1 Open the **Samsung** folder and launch the **Email** app.

2 Select an email service, enter the email address and password, and then tap **SIGN IN**.

To manually register an email account, tap **MANUAL SETUP**.

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

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

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

Sending emails

1 Tap ✎ to compose an email.

2 Add recipients and enter a subject line and text.

3 Tap **SEND** to send the mail.

Reading emails

When **Email** is open, the device will automatically retrieve new emails. To manually retrieve emails, swipe downwards on the 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 camera features are not available when you launch the **Camera** app from the locked screen or when the screen is turned off while the screen lock method is set.
> - If photos you take appear blurry, clean the camera lens and try again.

Basic shooting

Taking photos or recording videos

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

2 Tap ◯ to take a photo or tap ● to record a video.

Shooting modes

Switch between the front and rear cameras.

Preview thumbnail

Current mode

Take a photo.

Record a video.

Camera settings

Bixby Vision

Options for current shooting mode
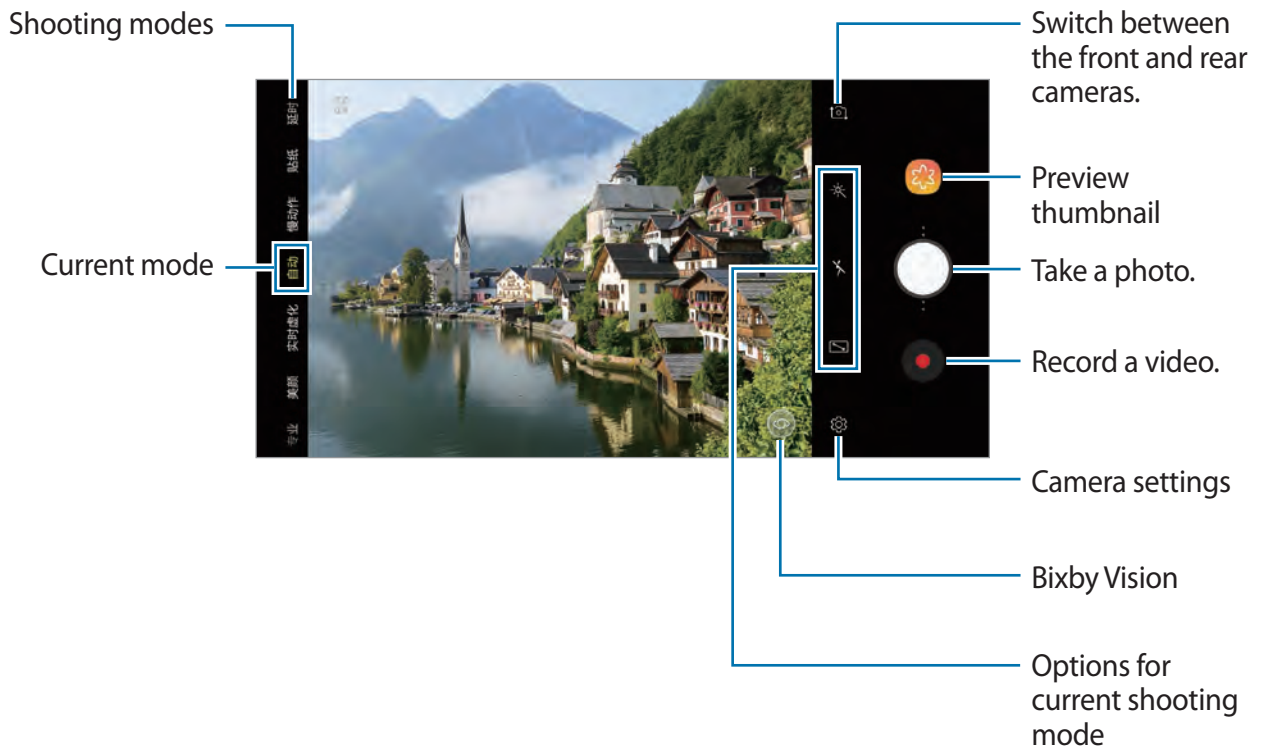
- To adjust the brightness of photos or videos, tap the screen. When the adjustment bar appears, drag ☀ on the adjustment bar towards ➕ or ➖.
- To capture an image from the video while recording, tap 📷.
- To change the focus while recording a video, tap where you want to focus. To use auto focus mode, tap ⓐⓕ.

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

Adding another camera button

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

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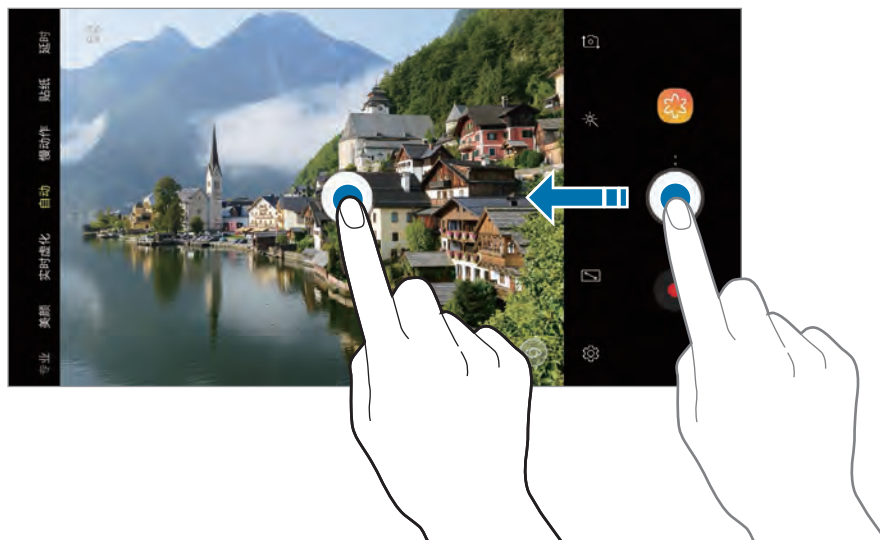
> If another camera button is not added, tap ⚙ on the preview screen and tap the **Floating Camera button** switch to activate it.

Setting the camera button action

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

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

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

> This feature is available only in some shooting modes.

Zooming in and out

Use various methods to zoom in or out.

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

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

Using the focus and exposure features

Locking the focus (AF) and exposure (AE)

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

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

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

Separating the focus area and the exposure area

You can separate the focus area and the exposure area.

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

> This feature is available only in **PRO** mode.
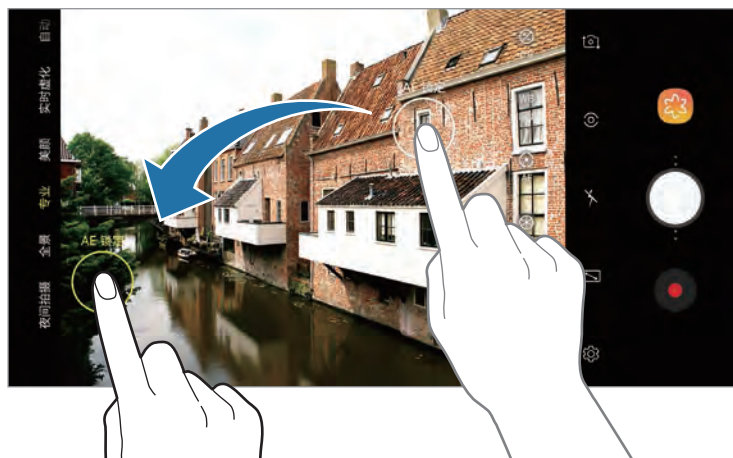
LIVE FOCUS

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

Taking portraits that stand out using the Live focus feature

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

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

1 On the shooting modes list, tap **LIVE FOCUS**.

2 Drag the background blur adjustment bar to the left or right to adjust the blur level.

3 Tap ⚪ to take a photo.

Shooting mode

Background blur adjustment bar
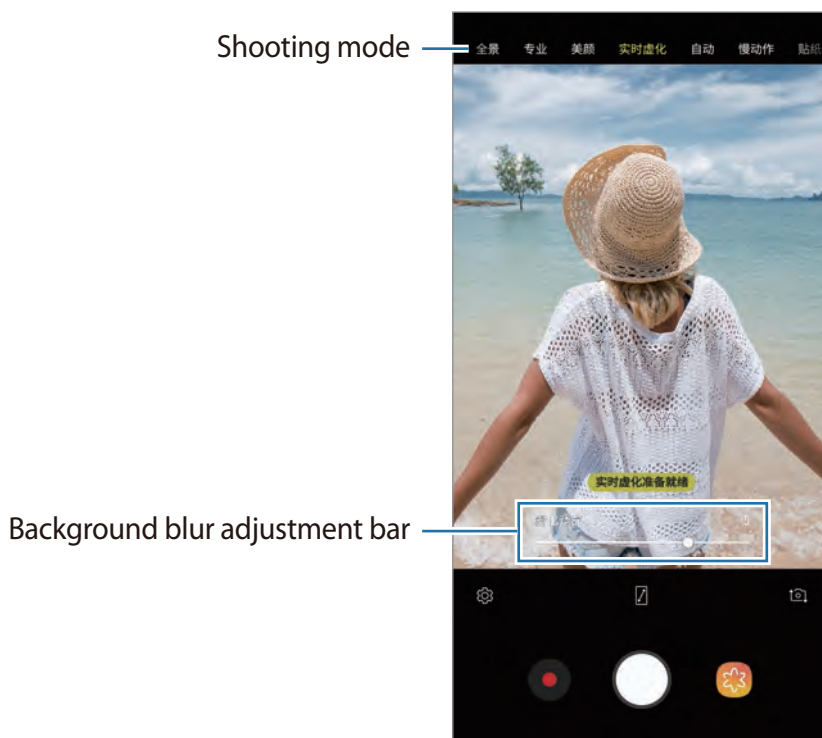
Editing the background of the Live Focus photos

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

Adjusting the background blur level

Changing the shape of the background blur

1 Select a photo taken with the Live focus feature and tap **ADJUST BACKGROUND BLUR**.

2 To adjust the background blur level, drag the background blur adjustment bar to the left or right.

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

Adjust the background blur level.

Change the background blur shape.

3 Tap ✓ to save the photo.

Live stickers

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

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

2 Tap 🐻 and select a sticker.

3 Tap ⚪ to take a photo or tap 🔴 to record a video.

Applying stickers randomly

You can apply stickers randomly, instead of selecting one from the stickers list.

Tap **Random** repeatedly until the sticker you want appears.

Using shooting modes

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

Select a shooting mode you want.

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

Auto mode

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

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

Pro mode

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

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

Available options

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

- ⬢ : Select an appropriate white balance, so images have a true-to-life colour range. You can set the colour temperature.

- ⬢ : Change the exposure value. This determines how much light the camera's sensor receives. For low-light situations, use a higher exposure.

Panorama mode

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

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

- Move the camera slowly in one direction.

- Keep the image within the frame on the camera's viewfinder. If the preview image is out of the guide frame or you do not move the device, the device will automatically stop taking photos.

- Avoid taking photos of indistinct backgrounds, such as an empty sky or a plain wall.

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

2 Tap ⬡ and move the device slowly in one direction.

3 Tap ⬢ to stop taking photos.

Hyperlapse mode

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

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

2 Tap and select a frame rate option.

If you set the frame rate to **Auto**, the device will automatically adjust the frame rate according to the changing rate of the scene.

3 Tap to start recording.

4 Tap to finish recording.

5 On the preview screen, tap the preview thumbnail and tap to view the video.

Food mode

Take photos of food with more vibrant colours.

You must first add this mode to the shooting modes list before you can use it. On the preview screen, tap → **Edit camera modes** → **Rear camera**, and then tick **Food**.

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.

Slow motion mode

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

1 On the shooting modes list, tap **SLOW MOTION**.

2 Tap ⦿ to start recording.

3 When you are finished recording, tap ▣ to stop.

4 On the preview screen, tap the preview thumbnail.

5 Tap ◉◉◉.

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

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

Sports mode

Take clearer photos of fast-moving subjects, such as a person running or a pet in motion.

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

> You must first add this mode to the shooting modes list before you can use it. On the preview screen, tap ⚙ → **Edit camera modes** → **Rear camera**, and then tick **Sports**.

Night mode

Take a photo in low-light conditions, without using the flash.

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

Beauty mode

Take a photo with lightened faces for gentler images.

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

To apply beauty effect, tap ✦ and select options. Refer to Applying beauty effects for more information.

Selfie mode

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

1 On the preview screen, swipe upwards or downwards, or tap 🔄 to switch to the front camera for self-portraits.

2 On the shooting modes list, tap **SELFIE**.

3 Face the front camera lens.

4 Tap ⚪ to take a photo.

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

> You can also take photos by tapping the screen. To use various shooting options for the front camera, tap ⚙ → **Shooting methods**, and then tap the switches to activate them.

Applying beauty effects

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

1 On the preview screen, tap ✨.

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

Selfie focus mode

Take selfies that focus on your face by blurring the background.

1 On the preview screen, swipe upwards or downwards, or tap 🔄 to switch to the front camera for self-portraits.

2 On the shooting modes list, tap **SELFIE FOCUS**.

3   Face the front camera lens.

4   Tap ⬤ to take a photo.

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

> You can also take photos by tapping the screen. To use various shooting options for the front camera, tap ⚙ → **Shooting methods**, and then tap the switches to activate them.

Applying beauty effects

You can adjust the skin tone before taking self-portraits.

1   On the preview screen, tap ✦.

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

Wide selfie mode

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

1   On the preview screen, swipe upwards or downwards, or tap 📷 to switch to the front camera for self-portraits.

2   On the shooting modes list, tap **WIDE SELFIE**.

3   Face the front camera lens.

4   Tap ⬤ to take a photo.

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

> You can also take photos by tapping the screen. To use various shooting options for the front camera, tap ⚙ → **Shooting methods**, and then tap the switches to activate them.

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

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

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

Customising camera settings

Options for current shooting mode

On the preview screen, use the following options.

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

- ⬚ : Turn on and off the full preview screen.
- : Select a frame rate.
- : Activate or deactivate the flash.
- : Select a filter effect to use when taking photos or recording videos.
- : Select a metering method. This determines how light values are calculated. **Center-weighted** uses the light in the centre portion of the shot to calculate the exposure of the shot. **Spot** uses the light in a concentrated centre area of the shot to calculate the exposure of the shot. **Matrix** averages the entire scene.
- : In **FOOD** mode, focus on a subject inside the circular frame and blur the image outside the frame.

Camera settings

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

REAR CAMERA

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

FRONT CAMERA

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

COMMON

- **Edit camera modes**: View available shooting modes or edit the shooting modes list.

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

- **Grid lines**: Display viewfinder guides to help composition when selecting subjects.

- **Location tags**: Attach a GPS location tag to the photo.

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

- **Review pictures**: Set the device to show photos after capturing them.

- **Quick launch**: Set the device to launch the camera by pressing the Power key twice quickly.

- **Storage location**: Select the memory location for storage. This feature will appear when you insert a memory card.

- **Voice control**: Set the device to take photos or record videos with voice commands. You can say "Smile", "Cheese", "Capture", or "Shoot" to take a photo. To record a video, say "Record video".

- **Floating Camera button**: Add a camera button that you can place anywhere on the screen.

- **Hold Camera button to**: Select an action to perform when you tap and hold the camera button.

- **Press Volume key to**: Set the device to use the Volume key to control the shutter or zoom in or out.

- **Shutter sound**: Enable or disable the shutter sound.

- **Reset settings**: Reset the camera settings.

- **Contact us**: Ask questions or view frequently asked questions. Refer to Samsung Members for more information.

Gallery

Introduction

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

Viewing images

1 Launch the **Gallery** app and tap **PICTURES**.

2 Select an image.

Access additional options.

Add the image to favourites.

Bixby Vision

Add a sticker.

Draw on the image.

Apply a filter or effect.

Share the image with others.

Modify the image.

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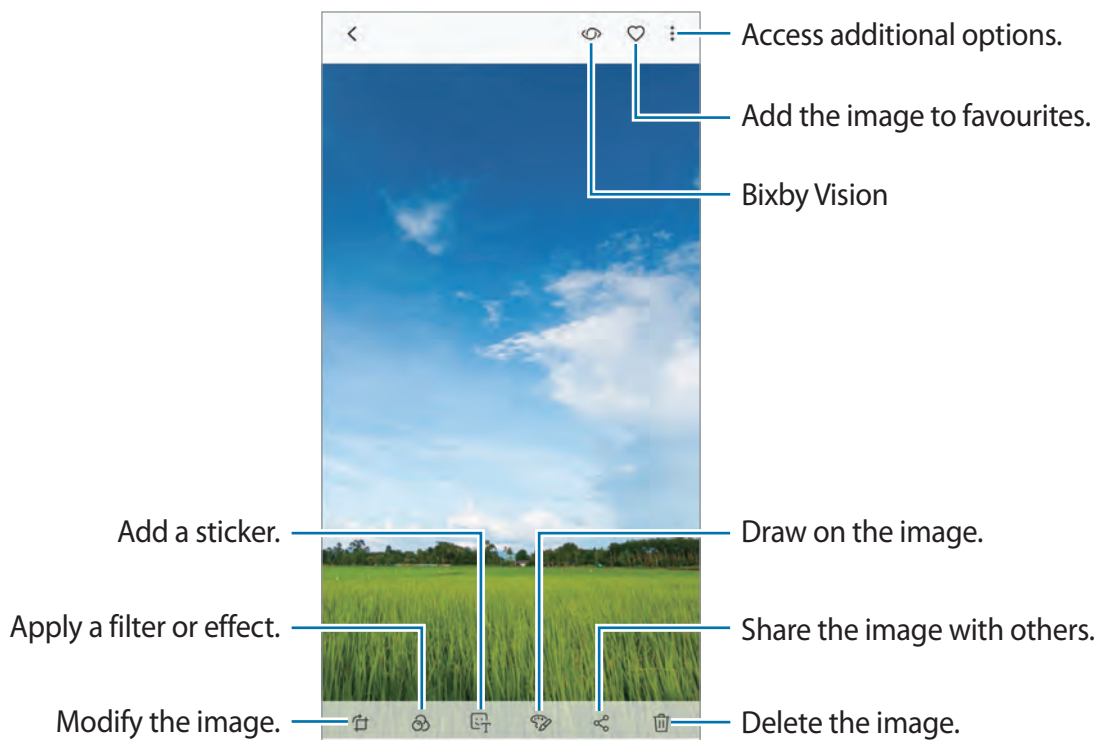
You can create an animated GIF or collage from multiple images. On the list, tap $\vdots$ →
Create GIF or **Create collage**, and then select images.

106

Searching for images

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

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

Editing the background of Live focus photos

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

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

Viewing videos

1 Launch the **Gallery** app and tap **PICTURES**.

2 Select a video to play. Video files show the ▶ icon on the preview thumbnail.

3 Tap ▶ to play the video.

Skip to the previous video. Tap and hold to rewind.

Capture the current screen.

Rewind or fast-forward by dragging the bar.

Lock the playback screen.

Switch to the pop-up video player.

Access additional options.

Skip to the next video. Tap and hold to fast-forward.

Pause and resume playback.

Change screen ratio.

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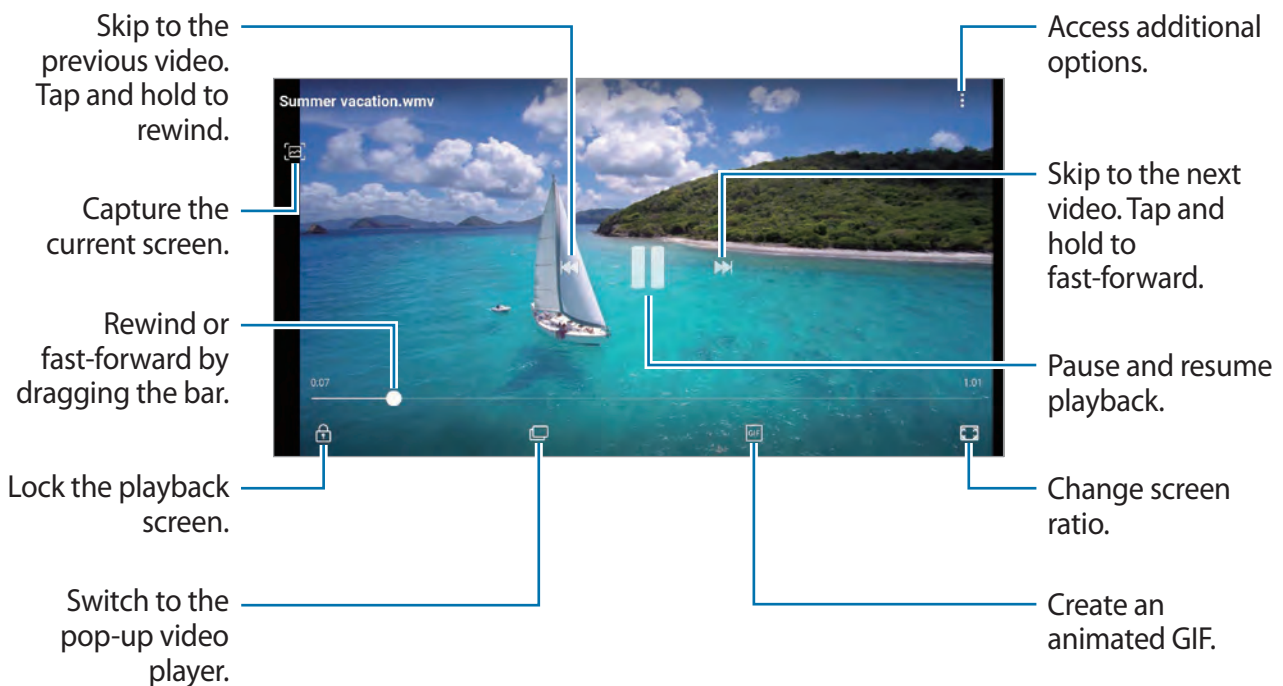
Drag your finger up or down on the left side of the playback screen to adjust the brightness, or drag your finger up or down on the right side of the playback screen to adjust the volume.

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

Viewing the details of images and videos

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

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

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

Edit information.

File details

People information

Location information

Auto created content

Tags
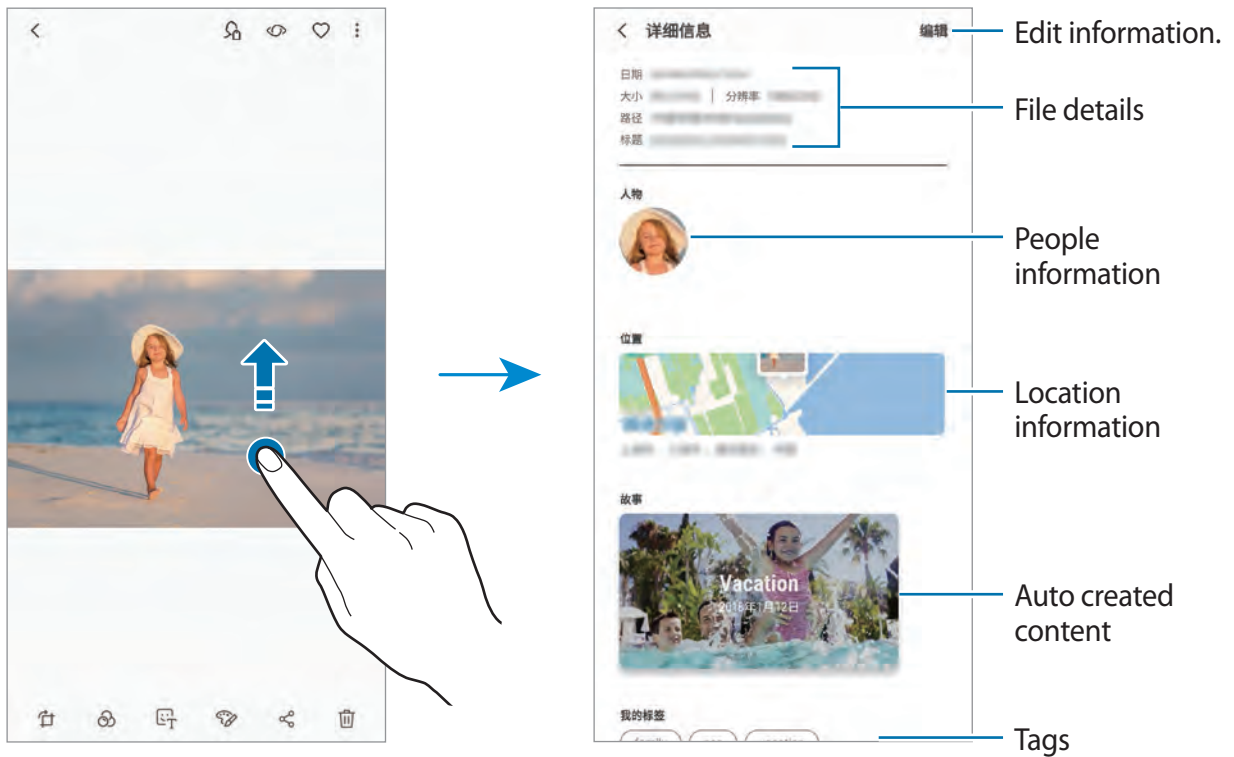
Viewing albums

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

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

Hiding albums

You can hide albums.

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

1 Launch the **Gallery** app and tap **ALBUMS**.

2 Tap ⋮ → **Hide or unhide albums**.

3 Select albums to hide and tap **APPLY**.

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

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 Tick images or videos to include in the story and tap **DONE**.

4 Enter a title for the story and tap **CREATE**.

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

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

Deleting stories

1 Launch the **Gallery** app and tap **STORIES**.

2 Tap and hold a story to delete, and tap **DELETE**.

Syncing images and videos with Samsung Cloud

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

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

Deleting images or videos

Deleting an image or a video

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

Deleting multiple images and videos

1 On the Gallery screen, tap and hold an image or a video to delete.

2 Tick the images or videos to delete.

3 Tap **DELETE**.

Always On Display

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

You can also check notifications for new messages or missed calls.

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

Opening notifications on the Always On Display

When you receive message, missed call, or app notifications, notification icons will appear on the Always On Display. Double-tap a notification icon to view its notification.
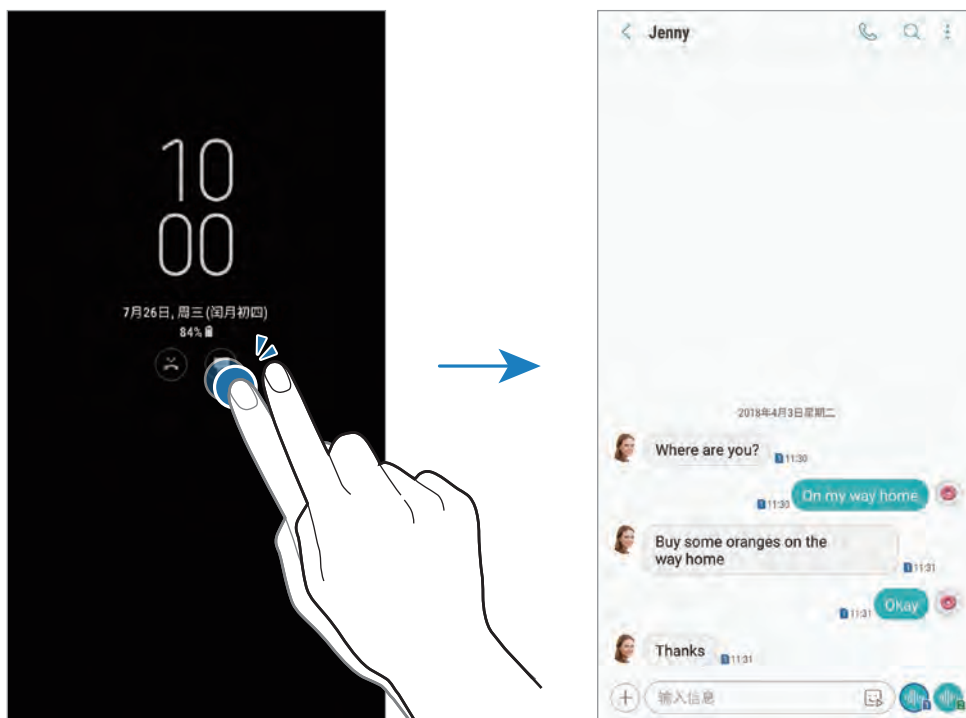
> If the screen is locked, you must unlock it to view notifications.

Controlling music playback on the Always On Display

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

1 Launch the **Settings** app, tap **Lock screen** → **FaceWidgets**, and then tap the **Music controller** switch to activate it.

2 To control music playback on the Always On Display, double-tap the clock.

3 Swipe to the left or right on the clock to move to the music controller.

4 Tap the icons to control the playback.

Changing the schedule for the Always On Display feature

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

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

Deactivating the Always On Display feature

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

Multi window

Introduction

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

Some apps may not support this feature.

Split screen view

1 Tap the Recents button to open the list of recently used apps.

2 Swipe upwards or downwards and tap ⊟ on a recent app window.

The selected app will launch in the upper window.

3 In the lower window, swipe upwards or downwards to select another app to launch.

To launch apps not in the list of recently used apps, tap **APP LIST** and select an app.

114

Using additional options

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

Adjusting the window size

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

When you drag the bar between the app windows to the top or bottom edge of the screen, the window will be maximised.

Minimising the split screen view

Press the Home button to minimise the split screen view. The ⊟ icon will appear on the status bar. The app in the lower window will close and the app in the upper window will remain active in the minimised split screen view.

Minimised split screen

To close the minimised split screen view, tap ⊗.

115

Snap window

You can select an area and pin it to the top of the screen and use other apps in the lower window.

1 Tap the Recents button to open the list of recently used apps.

2 Tap ⬚ and drag the frame to the area you want to pin it to.

To adjust the size of the frame, drag ⬤ upwards or downwards.

3 Tap **DONE**.

The selected app window will be pinned at the top of the screen. To unpin the window, drag the bar between the app windows.

4 In the lower window, swipe upwards or downwards to select another app to launch.

Adding app pairs to the Home screen

When you add app pairs to the Home screen, you can launch two apps in the split screen view with a single tap.

Tap the bar between the app windows and tap ⊕.

The current app pair will be added on the Home screen.

App pair

Pop-up view

1 Tap the Recents button to open the list of recently used apps.

2 Swipe upwards or downwards, tap and hold an app window, and then drag it to **Drop here for pop-up view.**

The app screen will appear in the pop-up view.

Moving pop-up windows

To move a pop-up window, tap the window's toolbar and drag it to a new location.

Smart Manager

The Smart manager provides an overview of the status of your device's battery, storage, memory, and system security. You can also automatically optimise the device with a tap of your finger.

Storage — Memory

Battery — Device security

Data usage
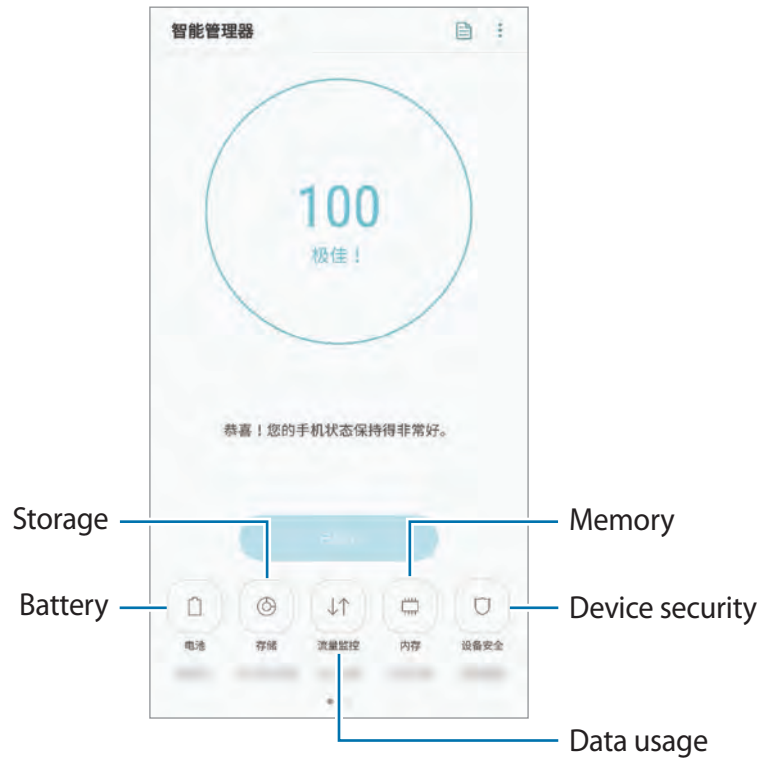
Using the quick optimisation feature

Launch the **Smart Manager** app and tap **OPTIMIZE NOW**.

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

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

Battery

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

Launch the **Smart Manager** app and tap **Battery**.

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

Power saving mode

• **MID**: Activate power saving mode to extend the battery's usage time.

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

Managing the battery

You can save battery power by preventing apps that are running in the background from using battery power when they are not being used. Tick apps from the apps list and tap **SAVE POWER**. Also, tap ⋮ → **Advanced settings** and set the **App power monitor** options.

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

Storage

Check the status of the used and available storage.

Launch the **Smart Manager** app and tap **Storage**.

> • The actual available capacity of the internal storage is less than the specified capacity because the operating system and default apps occupy part of the storage. The available capacity may change when you update the device.
>
> • You can view the available capacity of the internal storage in the Specification section for your device on the Samsung website.

Managing the storage

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

Data usage

Check the device's data usage amount. You can customise the settings for the limitation.

Launch the **Smart Manager** app and tap **Data usage**.

Memory

Launch the **Smart Manager** app and tap **Memory**.

To speed up your device by stopping apps running in the background, tick apps from the apps list, and tap **CLEAN NOW**.

Device security

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

Launch the **Smart Manager** app and tap **Device security** → **SCAN PHONE**.

Blocked calls/msgs

Reject calls or messages from specified phone numbers or reject messages containing specified text.

Launch the **Smart Manager** app and tap **Blocked calls/msgs**.

Auto run apps

Turn off auto run for each app to prevent them from running in the background.

Launch the **Smart Manager** app and tap **Auto run apps**.

App lock

Set a lock method to prevent others from accessing selected apps.

Launch the **Smart Manager** app and tap **App lock**.

Notifications

Change the notification settings for each app.

Launch the **Smart Manager** app and tap **Notifications**.

App permissions

Manage the app settings for permissions.

Launch the **Smart Manager** app and tap **App permissions**.

Samsung Pay

Introduction

Register frequently used cards to Samsung Pay, a mobile payment service, to make payments quickly and securely. Samsung Pay supports near field communication (NFC) to allow payment through standard credit card readers.

You can view more information, such as cards that support this feature at www.samsung.com.cn/samsungpay. Alternatively, launch the **Samsung Pay** app and tap **⋮** → **How to use**.

> - To use this feature, you must sign in to your Samsung account. For more information, refer to Samsung account.
> - To make payments quickly and securely, you need to register your biometric data. For more information, refer to Fingerprint recognition.
> - To register cards, the device must be connected to a Wi-Fi or mobile network.
> - The procedures for the initial setup and card registration may vary depending on the region or service provider.

Setting up Samsung Pay

When running this app for the first time or restart it after performing a data reset, follow the on-screen instructions to complete the initial setup.

1 Launch the **Samsung Pay** app.

2 Sign in to your Samsung account.

3 Read and agree to the terms and conditions.

4 Register your fingerprint to use when making payments.

5 Create a PIN to use when making payments.

> This PIN will be used to verify various actions in Samsung Pay, such as making payments and unlocking the app.

Registering cards

You can easily register cards by capturing their images with the camera.

> You can check the cards that support this feature from the Samsung Pay website (www.samsung.com.cn/samsungpay).

Launch the **Samsung Pay** app, tap **Add**, and then follow the on-screen instructions to complete your card registration.

Making payments

1 Tap and hold a card image at the bottom of the screen and drag it upwards.

Alternatively, launch the **Samsung Pay** app.
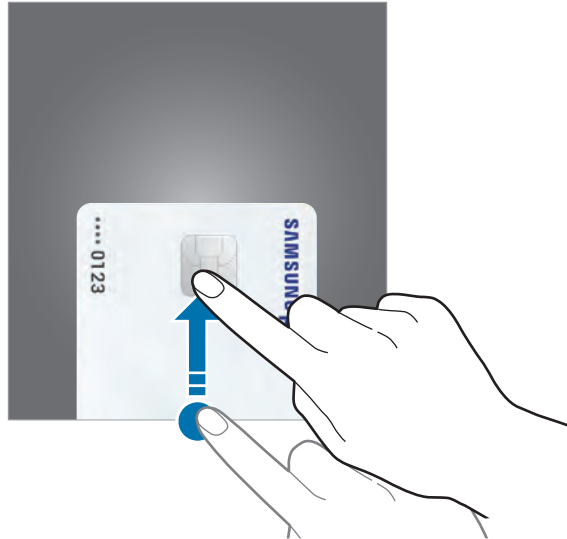
2 On the cards list, swipe to the left or right and select a card to use.
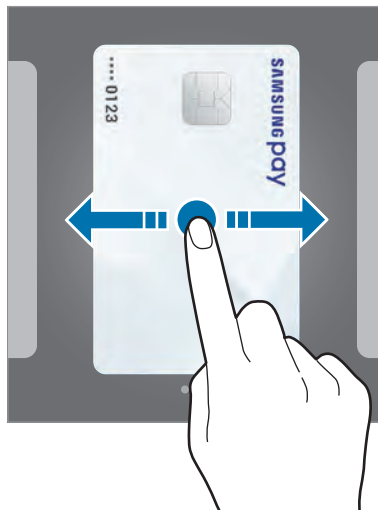
3   Scan your fingerprint.

Alternatively, enter the payment PIN you set when setting up the Samsung Pay.

4   Touch the back of your device to the card reader.

When the card reader recognises the card information, the payment will be processed.

> The verification method for payments may vary depending on the card readers.

Cancelling payments

You can cancel payments by visiting the place where you made them.

On the cards list, swipe to the left or right to select the card you used. Follow the on-screen instructions to complete payment cancellation.

Changing the Samsung Pay settings

On the Samsung Pay screen, tap ⋮ → **Settings**. Select the screen where the card image will appear to activate Samsung Pay on the Home screen or locked screen, or when the screen is turned off.

Samsung Members

Samsung Members offers support services to customers, such as device problem diagnosis, and lets users submit questions and error reports. You can also share information with others in the Galaxy users' community or view the latest Galaxy news and tips. **Samsung Members** can help you solve any problems you might encounter while using your device.

Additional options

Send feedback.
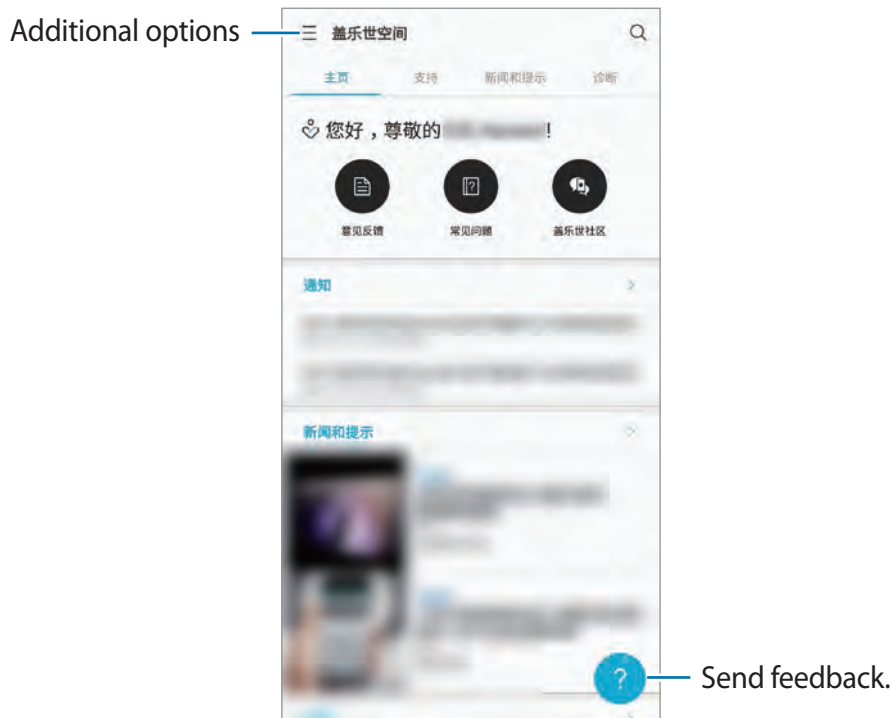
To submit your feedback or post your comments, you must register and sign in to your Samsung account. Refer to Samsung account for more information.

Samsung Notes

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

Creating notes

1 Launch the **Samsung Notes** app and tap **ALL** → ⊕.

2 Select an input method from the toolbar at the top of the screen and compose a note.

Tap ⬍ → **Image** to insert an image by selecting from **Gallery** or by taking a photo.

Tap ⬍ → **Voice** to record a voice recording and insert it into the note. Voice recording will start immediately.

Enter text using the keyboard.

Write or draw with pens.

Paint with brushes.

Insert an image or a voice recording.

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

Deleting notes

1 Launch the **Samsung Notes** app, tap **ALL** or **COLLECTIONS**, and then select a category.

2 Tap and hold a note to delete.

To delete multiple notes, tick more notes to delete.

3 Tap 🗑.

Calendar

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

Creating events

1 Launch the **Calendar** app and tap ⊕ or double-tap a date.

If the date already has saved events or tasks in it, tap the date and tap ⊕.

2 Enter event details.

Set the duration.

Select a sticker to display with the event.

Enter a title.

Change the event's colour.

Select a calendar to save the event to.

Set an alarm.

Enter the location.

Attach a map.

Add a note.

Add more details.

取消		保存
T 标题		
全天		
开始	3月 30日 周五	23:00
结束	3月 31日 周六	00:00
我的日历		
10 分钟之前		添加
位置		地图
备注		
重复		
从不		
时区		
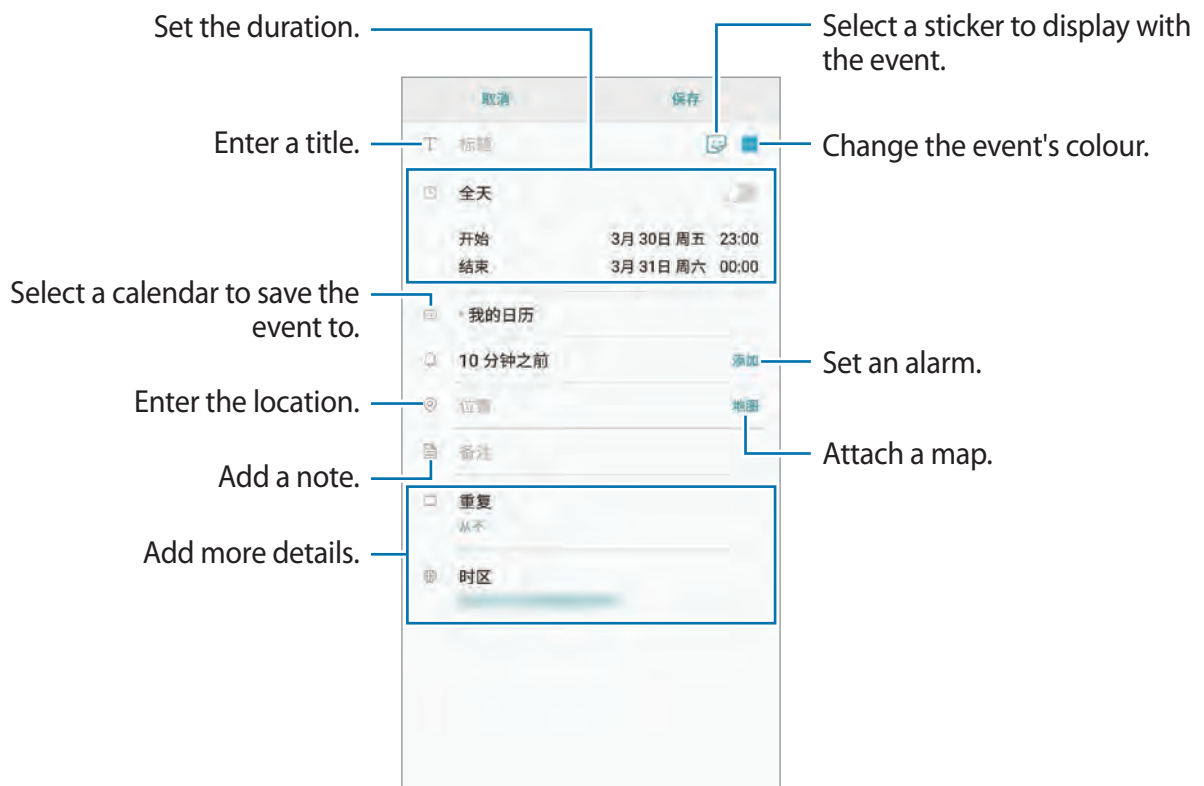
3 Tap **SAVE** to save the event.

Creating tasks

1 Launch the **Calendar** app and tap **VIEW** → **Tasks**.

2 Tap ➕ and enter task details.

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

Syncing events and tasks with your accounts

1 Launch the **Settings** app, tap **Cloud and accounts** → **Accounts** and select the account to sync with.

2 Tap **Sync account** and tap the **Sync Calendar** switch to activate it.

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

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

Samsung Health

Introduction

Samsung Health helps you manage your wellness and fitness. Set fitness goals, check your progress, and keep track of your overall wellness and fitness.

Using Samsung Health

You can view the key information from Samsung Health menus and trackers to monitor your wellness and fitness. You can also compare your step count records with other Samsung Health users, compete with your friends, and view health tips.

Open the **Samsung** folder and launch the **Samsung Health** app. When running this app for the first time or restart it after performing a data reset, follow the on-screen instructions to complete the setup.

Compare your step count records with other Samsung Health users or compete with your friends.

Monitor your health and fitness.

View health tips.

Set your daily goals and track your progress.

View and manage trackers.

View guide messages or notifications from Samsung Health.
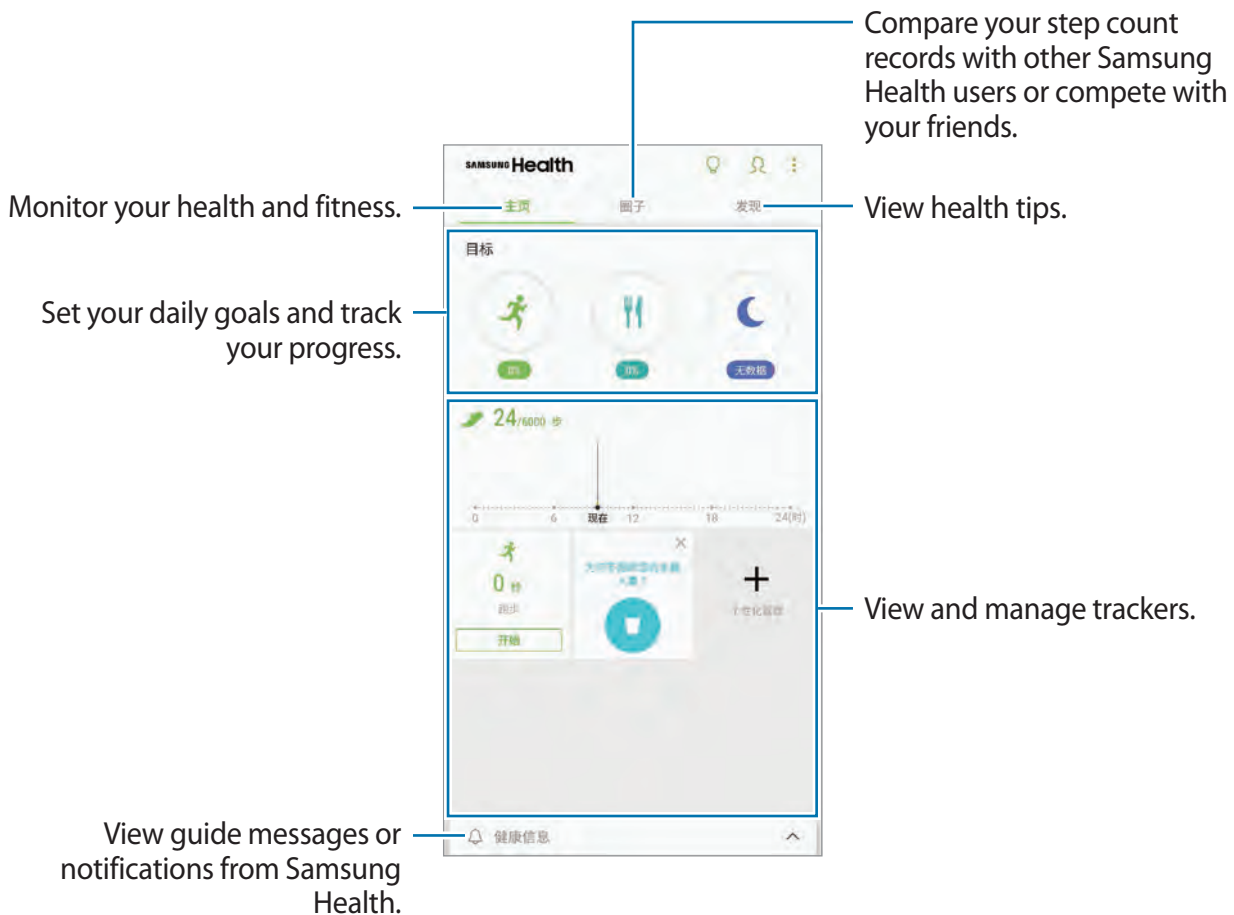
To add items to the Samsung Health screen, tap ⋮ → **Manage items**, and then select items.

- **GOALS**: Set your daily fitness goals and view your progress.
- **PROGRAMS**: Use customisable exercise programmes.
- **GENERAL TRACKERS**: Monitor your activities, food intake, and body measurements.
- **EXERCISE TRACKERS**: Add trackers of various exercises and monitor your activities.

Goals

You can set your goals for weight management or a more balanced life. After setting your goals, you can track your progress or view guides on the Samsung Health screen.

On the Samsung Health screen, tap **SET GOALS**. Alternatively, tap ⋮ → **Manage items** and select **Weight management** or **Balanced life**.

TOGETHER

Together allows you to set up step count goals and compete with your friends. You can invite friends to walk together, set target step counts, compete in challenges, and view your ranking on the **Steps leaderboard**.

On the Samsung Health screen, tap **TOGETHER**.

Steps

The device counts the number of steps you take and measures the distance travelled.

On the Samsung Health screen, tap the steps tracker.

Current step total — 60/6000 — Target

- You may experience a brief delay while the steps tracker monitors your steps and then displays your step count. You may also experience a brief delay before the pop-up window indicates that your goal has been reached.

- If you use the steps tracker while travelling by car or train, vibration may affect your step count.

Additional information

- Samsung Health is intended for fitness and wellness purposes only and is not intended for use in the diagnosis of disease or other conditions, or in the cure, mitigation, treatment, or prevention of disease.

- The available functions, features and addable applications for Samsung Health may vary from country to country due to different local laws and regulations. You should check the features and applications available in your specific region before use.

- The purpose for data collection is limited to providing the service that you have requested, including providing additional information to enhance your wellness, sync data, data analysis and statistics or to develop and provide better services. (But if you sign in to your Samsung account from Samsung Health, your data may be saved on the server for data backup purposes.) Personal information may be stored until the completion of such purposes. You can delete personal data stored by Samsung Health by using the Reset data option in the Settings menu. To delete any data you have shared with social networks or transferred to storage devices, you must delete them separately.

- You may share and/or sync your data with additional Samsung services or compatible third party services that you select, as well as with any of your other connected devices. Access to Samsung Health information by such additional services or third party devices will only be permitted with your express approval.

- You assume full responsibility for the inappropriate use of data shared on social networks or transmitted to others. Use caution when sharing your personal data with others.

- If the device is connected to measuring devices, verify the communication protocol to confirm proper operation. If you use a wireless connection, such as Bluetooth, the device may be affected by electronic interference from other devices. Avoid using the device near other devices that transmit radio waves.

- Please read Terms and Conditions and Privacy Policy of Samsung Health carefully before using it.

Samsung Assistant

Samsung Assistant helps you to organise your daily schedule. You can use recommended services and remember events by receiving reminder cards. You can also use convenient assistant services to do things, like make hotel reservations or track deliveries.

Launch the **Samsung Assistant** app.

> You can set up your profile to receive more specific reminder cards. Tap **My page** → **Profile** to customise settings, such as your favourite places, sleep time, and work time.

Creating custom reminders

1 On the Samsung Assistant screen, tap **Reminders** → ➕.

2 Select a reminder type and enter reminder details.

3 Tap **SAVE** to save the reminder.

You will receive the reminder card at the time or location you set.

> If you receive a hotel or a flight booking confirmation by text message, a reservation reminder card will appear automatically in the **Samsung Assistant** app. You can receive flight status notifications on your day of departure. Other useful travel information will also appear on the reservation card on the **Samsung Assistant** app to provide convenient information.

Viewing reminder cards

When you receive reminder cards, a card notification will appear on the notification panel.

1 Open the notification panel and select a card notification.

The card will open in the **Samsung Assistant** app.

2 Swipe upwards or downwards on the card to view its information and recommended actions.

Using assistant services

You can use convenient assistant services to do things, like making hotel reservations or tracking deliveries.

On the Samsung Assistant screen, tap **Life** and select a service to use.

Samsung Music

Listen to music stored on your device and stream online music from the Samsung music service.

Launch the **Samsung Music** app.

Tap one of the following options:

- **MY MUSIC**: Listen to music stored on your device.
- **RECOMMENDED**: Listen to recommended online music.
- **RADIO STATIONS**: Listen to music from online radio stations.

Playing music

Tap **MY MUSIC** or **RECOMMENDED**, select a category, and then select a song to play.

Tap the album image at the bottom of the screen to open the music player screen.

Access additional options.

Activate the UHQ (Ultra High Quality) Upscaler feature.

Set the file as your favourite song.

Download the current song (only for recommended songs).

Change the repeat mode or turn on shuffle.

Open the playlist.

Skip to the previous song. Tap and hold to rewind.

Skip to the next song. Tap and hold to fast-forward.

Pause and resume playback.
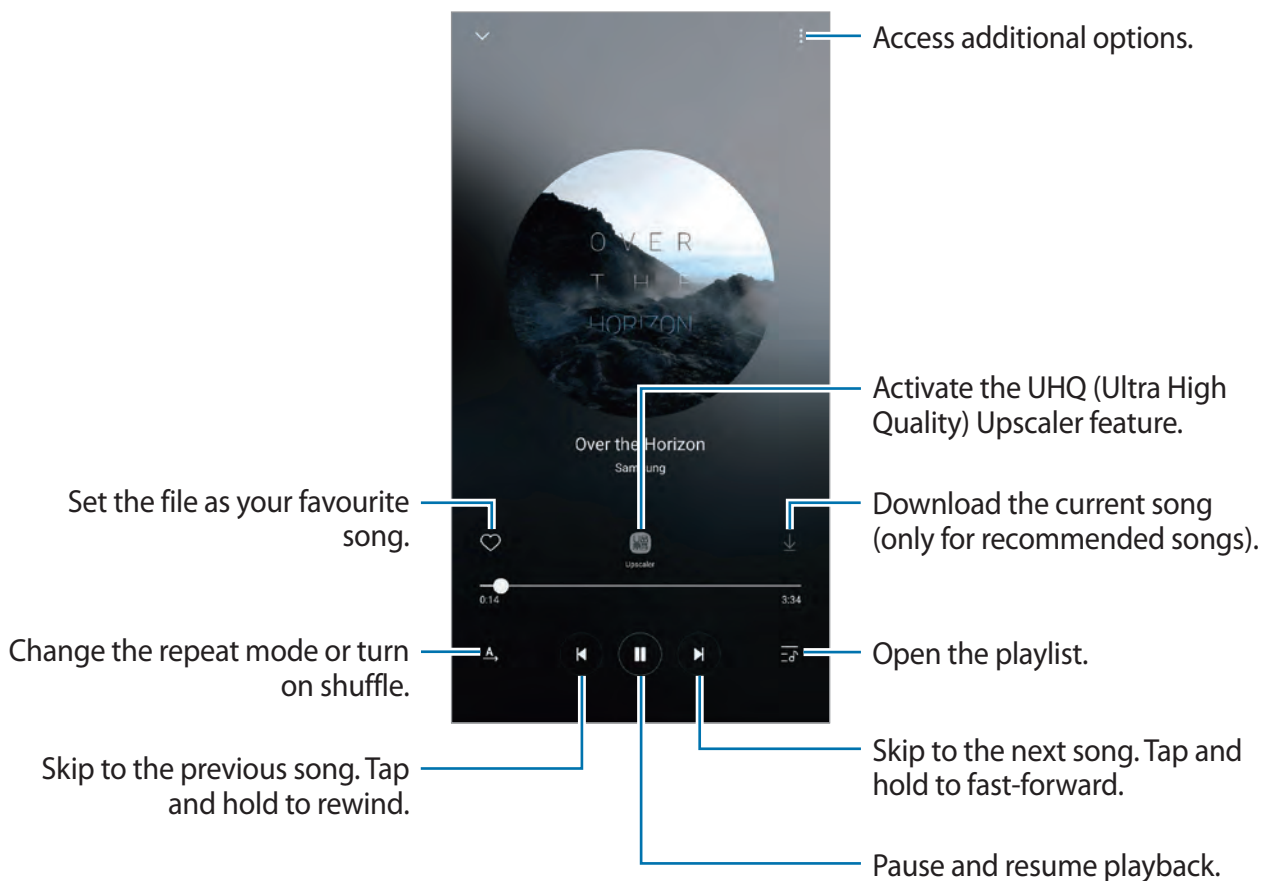
UHQA

Use the UHQ (Ultra High quality) Upscaler feature to improve the sound to UHQA (Ultra High Quality Audio) and get a sound closer to the original sound.

Connect an earphone to the device. While playing music, tap [⎙] to activate it.

Sound quality may vary depending on the connected earphone.

Voice Recorder

Introduction

Use different recording modes for various situations.

Making voice recordings

1 Open the **Samsung** folder and launch the **Voice Recorder** app.

2 Tap ● to start recording. Speak into the microphone.

Tap ❚❚ to pause recording.

While making a voice recording, tap **BOOKMARK** to insert a bookmark.

Change the recording mode.

Start recording.

3　Tap ◼ to finish recording.

4　Enter a file name and tap **SAVE**.

Changing the recording mode

Open the **Samsung** folder and launch the **Voice Recorder** app.

Select a mode from the top of the voice recorder screen.

- **STANDARD**: This is the normal recording mode.
- **SPEECH-TO-TEXT**: The device records your voice and simultaneously converts it to on-screen text. For best results, keep the device near your mouth and speak loudly and clearly in a quiet place.

> If the voice memo system language does not match the language you are speaking, the device will not recognise your voice. Before using this feature, tap the current language to set the voice memo system language.

My Files

Access and manage various files stored in the device.

Open the **Samsung** folder and launch the **My Files** app.

View files that are stored in each storage.

To free up the device's storage, tap ⋮ → **Get more space**.

To search for files or folders, tap ⌕.

135

Clock

Introduction

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

ALARM

Launch the **Clock** app and tap **ALARM**.

Setting alarms

Tap ⊕ in the alarms list, set an alarm time, select the days on which the alarm will repeat, set other various alarm options, and then tap **SAVE**.

To open the keypad to enter an alarm time, tap the time input field.

To activate or deactivate alarms, tap the switch next to the alarm in the alarms list.

Stopping alarms

Tap **DISMISS** to stop an alarm. If you have previously enabled the snooze option, tap **SNOOZE** to repeat the alarm after a specified length of time.

Deleting alarms

Tap and hold an alarm, tick alarms to delete, and then tap **DELETE**.

WORLD CLOCK

Launch the **Clock** app and tap **WORLD CLOCK**.

Creating clocks

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

Deleting clocks

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

STOPWATCH

1 Launch the **Clock** app and tap **STOPWATCH**.

2 Tap **START** to time an event.

To record lap times while timing an event, tap **LAP**.

3 Tap **STOP** to stop timing.

To restart the timing, tap **RESUME**.

To clear lap times, tap **RESET**.

TIMER

1 Launch the **Clock** app and tap **TIMER**.

2 Set the duration, and then tap **START**.

To open the keypad to enter the duration, tap the duration input field.

3 Tap **DISMISS** when the timer goes off.

Calculator

Perform simple or complex calculations.

Launch the **Calculator** app.

Rotate the device to landscape orientation to display the scientific calculator. If **Auto rotate** is disabled, tap ⌨ to display the scientific calculator.

To see the calculation history, tap **HISTORY**. To close the calculation history panel, tap **KEYPAD**.

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

To use the unit conversion tool, tap ⌨. You can convert various values, such as area, length, or temperature, into other units.

Radio
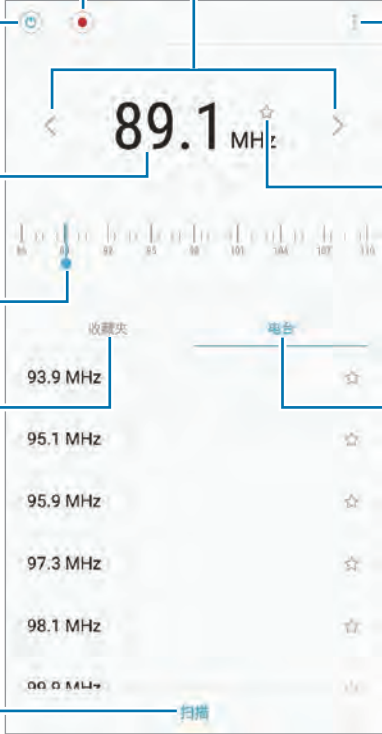
Listening to the FM radio

Open the **Samsung** folder and launch the **Radio** app.

Before you use this app, you must connect an earphone, which serves as the radio antenna.

> The FM radio scans and saves available stations automatically when running for the first time.

Tap ⊙ to turn on the FM radio. Select the radio station you want from the stations list.

Record a song from the FM radio.

Search for an available radio station.

Turn the FM radio on or off.

Access additional options.

Enter radio station frequency manually.

Add the current radio station to the favourites list.

Fine-tune the frequency.

View the list of favourites stations.

View the list of available stations.

Scan and save available stations automatically.

Playing through the speaker

You can listen to the radio through the speaker instead of the connected earphone.

Tap ⋮ → **Play through speaker**.

Scanning radio stations

Open the **Samsung** folder and launch the **Radio** app.

Tap **SCAN**, and then select a scan option. The FM radio scans and saves available stations automatically.

Select the radio station you want from the stations list.

Samsung Themes

Change the wallpaper settings for the Home screen and the locked screen or apply various themes to the device.

Launch the **Samsung Themes** app.

- **Wallpapers**: Change the wallpaper settings for the Home screen and the locked screen.
- **Themes**: Change the device's theme.
- **Icons**: Change the icon style.
- **AODs**: Select an image to display on the Always On Display.

Samsung Data Store

Purchase roaming data packages and use them as virtual SIM cards to get online without installing an actual SIM, USIM or UIM card when you are abroad.

Before you start

- To use Samsung Data Store, you must register and sign in to your Samsung account. Refer to Samsung account for more information.
- To reserve data packages in Samsung Data Store, the device must be connected to a Wi-Fi or mobile network.
- Roaming data packages support data services only.

Purchasing and reserving data packages

When you purchase data packages, the data packages will be reserved for you in the **Samsung Data Store** app. You can use the reserved data packages by activating them when you are abroad.

1 Open the **Samsung** folder and launch the **Samsung Data Store** app.

2 Tap **STORE**.

3 Enter your destination country or region in the search field.

You can also select popular destinations or data packages on the Store screen.

4 Select a package you want and tap **BUY NOW**.

5 Set the data amount or the number of days by tapping ⊖ or ⊕.

6 Tap **CONTINUE** to purchase and reserve the selected package.

The reserved data package will expire after thirty days. You can check your order history by tapping **MY PAGE** → **Packages** → **VALID**.

Activating data packages

When you are abroad, you can activate reserved data packages for use.

1 Open the **Samsung** folder and launch the **Samsung Data Store** app.

2 Tap **QUICK** → **Enable Package**.

3 Select the data package you want to use.

4 Follow the on-screen instructions to complete the activation.

Deactivating data packages

When the data package is closed, the SIM card slot will be reactivated.

To manually deactivate the data package, open the **Samsung** folder, launch the **Samsung Data Store** app, and then tap **QUICK** → **Disable Package**.

When you deactivate data packages manually, they will still continue timing and expire as scheduled.

Game Launcher

Introduction

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

Downloaded apps. — Access additional options.

View your gameplay information.

Open games with or without sound. — Change the performance mode.

View more games and install them.
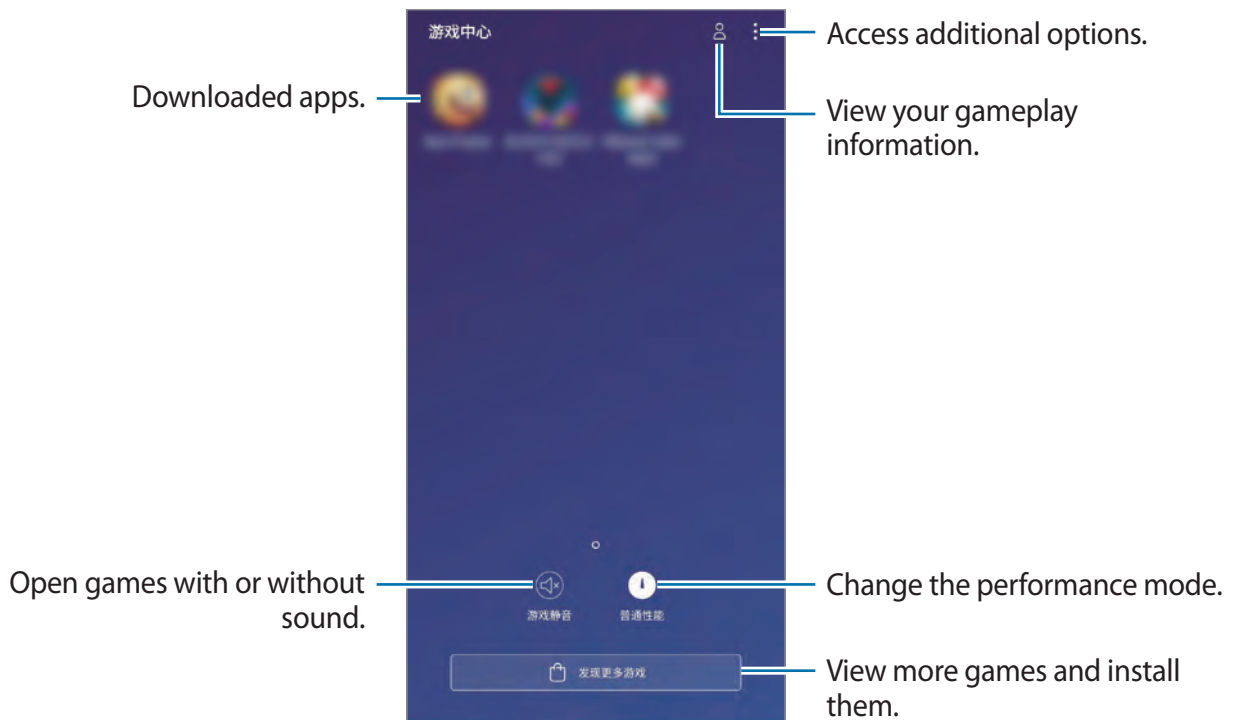
Using Game Launcher

1 Launch the **Game Launcher** app.

2 Tap a game from the games list.

To find more games, drag the screen upwards.

> Games downloaded from **Galaxy Apps** will be automatically shown on the game launcher screen. If you cannot see your games, tap ⋮ → **Add a game**.

Removing a game from Game Launcher

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

141

Changing the performance mode

You can change the game performance mode.

Launch the **Game Launcher** app, tap **Normal performance**, and then tap the button repeatedly to select the mode you want.

- **Normal performance**: Power saving mode or high performance mode is not used.
- **Save power**: This decreases the battery power consumption but it will reduce the system performance.
- **High performance**: This improves system performance but it will increase the battery power consumption.

> Battery power efficiency may vary by game.

Using Game Tools

You can use various options on the Game Tools panel while playing a game. To open the Game Tools panel, tap ⊛ on the navigation bar. If the navigation bar is hidden, drag upwards from the bottom of the screen to show it.

Access the Game Launcher screen.

Play games in full screen.

Lock the auto brightness adjustment feature.

Hide the buttons on the navigation bar.

Lock the touchscreen while the game is being played.

Access the Game Tools settings.

Mute notification sounds and display notifications only for incoming calls and emergency alerts.

Record your game session.

Capture screenshots.

Blocking notifications during games

Tap ⊛ and tap the **No alerts during game** switch to activate it. The device will mute notification sounds and display only notifications for incoming calls and emergency alerts, so that you can enjoy your games without being disturbed. If you receive an incoming call, a small notification will appear at the top of the screen.

Samsung Connect

Introduction

Connect to nearby devices, such as Bluetooth headsets or other smartphones, easily and quickly. You can also control and manage TVs, home appliances, and Internet of Things (IoT) products with your smartphone.

- **Connecting with nearby devices**: Connect with nearby devices, such as Bluetooth headsets or wearable devices, easily and quickly.
- **Registering and controlling home appliances, TVs, and IoT products**: Register smart refrigerators, washers, air conditioners, air purifiers, TVs, and Internet of Things (IoT) products on your smartphone, and view their status or control them from your smartphone's screen.
- **Receiving notification**: Receive notifications from connected devices on your smartphone. For example, when the laundry is finished, you can receive a notification on your smartphone.

Open the **Samsung** folder and launch the **Samsung Connect** app. The dashboard will appear.

Access additional options.

Search for and register nearby devices.

Supported devices

Samsung Connect tips

Manage locations and devices.

View the dashboard.

Manage automations.

143
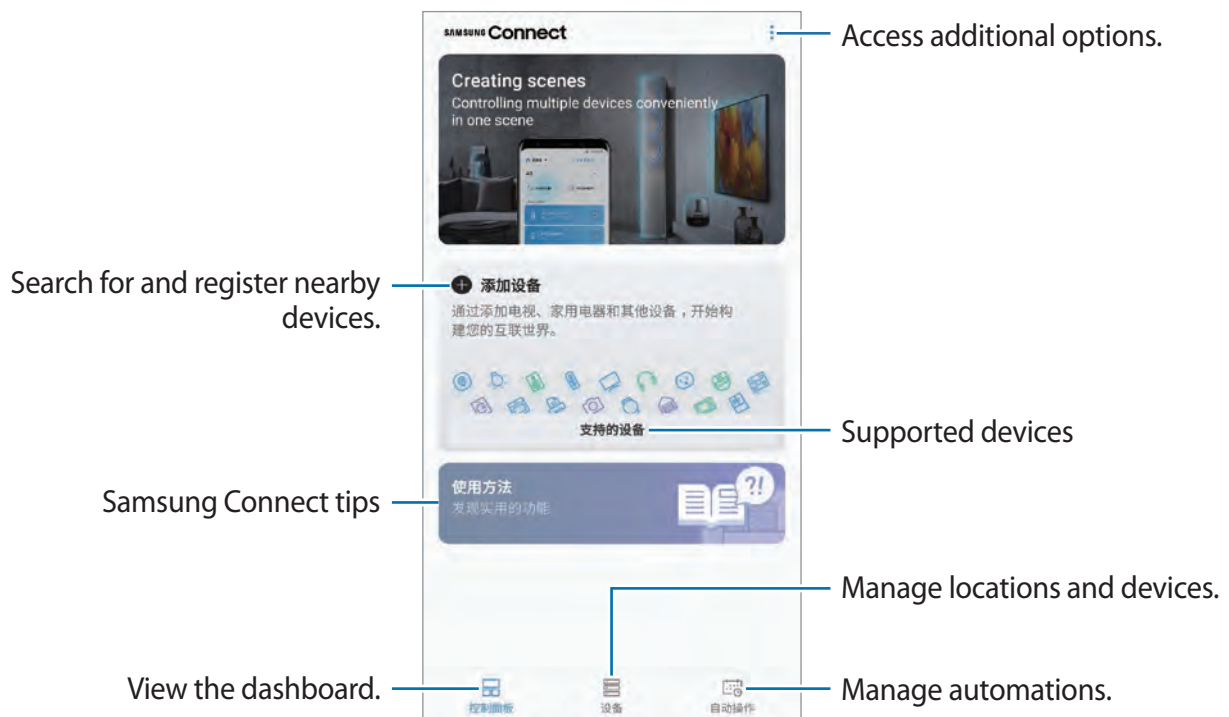
> - To use Samsung Connect, your smartphone and other devices must be connected to a Wi-Fi or mobile network.
> - To fully use Samsung Connect, you must register and sign in to your Samsung account.
> - To see the list of connectable devices, open the **Samsung** folder, launch the **Samsung Connect** app, and then tap **SUPPORTED DEVICES**.
> - Available features may differ depending on the connected device.
> - Connected devices' own errors or defects are not covered by the Samsung warranty. When errors or defects occur on the connected devices, contact the device's manufacturer.

Connecting to nearby devices

Connect to nearby devices, such as Bluetooth headsets, easily and quickly.

> Connection methods may vary depending on the type of connected devices or the shared content.

1 Open the **Samsung** folder and launch the **Samsung Connect** app.

2 On the dashboard, tap **Add device**.

3 Select a device from the list and connect to it by following the on-screen instructions.

Using home appliances, TVs, and IoT products

View the status of your smart appliances, TVs, and IoT products from your smartphone's screen. You can group devices by location and add rules to control the devices easily and conveniently.

Connecting devices

1 Open the **Samsung** folder and launch the **Samsung Connect** app.

2 On the dashboard, tap **Add device**.

3 Select a device from the list.

   If there is no device on the list, tap ⌄ under **ADD DEVICE MANUALLY** and select a device type. Or, tap **Search** and enter the device or model name.

4 Follow the on-screen instructions to register devices.

Viewing and controlling connected devices

You can view and control the devices. For example, you can check the ingredients in your refrigerator or adjust the TV volume.

1 Open the **Samsung** folder, launch the **Samsung Connect** app, and then tap **Devices**.

   The list of connected devices will appear.

2 View the status of devices on the list.

   To control the devices, select a device. When the device controller supplied with the selected device is downloaded, you can control the device.

Adding devices and scenes by locations

Add devices by locations, view the list of devices in a same location, and control them. You can also add a scene to a location to control multiple devices at the same time.

Adding locations

1 Open the **Samsung** folder, launch the **Samsung Connect** app, and then tap **Devices** → **ALL DEVICES** → **Add location**.

2 Enter the location name.

3 Tap **SAVE**.

   Your location will be added.

   To add devices to the location, tap **ADD DEVICE** and follow the on-screen instructions to register devices.

   The devices will be added to the location.

Adding scenes

Add a scene and register devices to it to control multiple devices at the same time with a single tap of a button or with a voice command.

Open the **Samsung** folder, launch the **Samsung Connect** app, select a location, tap ⋮ → **Add scene**, and then set scene options. You can set the scene name, icon, and devices.

Adding automations

You can also set an automation to perform actions automatically depending on the preset time or the status of devices.

For example, add an automation to turn on the audio automatically every day at 7:00 AM.

1 Open the **Samsung** folder, launch the **SmartThings** app, tap **Automations** → **ADD AUTOMATION**, and then select a location.

2 Tap **When do you want to use this automation?** to set the conditions and tap the Back button.

3 Tap **What do you want this automation to do?** to set devices and actions to perform and tap the Back button.

4 Tap **SAVE**.

The automation will be added.

Receiving notifications

You can receive notifications from connected devices on your smartphone. For example, when the laundry is finished, you can receive a notification on your smartphone.

To set devices to receive notifications, open the **Samsung** folder, launch the **Samsung Connect** app, tap ⋮ → **Notifications** → ⋮ → **Notification settings**, and then tap the switches next to the devices you want.

Sharing content

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

![note icon] You may incur additional charges when sharing files via the mobile network.

1 Launch the **Gallery** app and select an image.

2 Tap ⋖ and select a sharing method, such as message and email.

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

Using additional features

- **Link Sharing**: Share large files. Upload files to the Samsung storage server and share them with others via a Web link or a code. To use this feature, your phone number must be verified.

- **Share to device**: Share content with nearby devices via Wi-Fi Direct or Bluetooth, or with Samsung Connect supported devices. You can also view your device's displayed content on a large screen by connecting your device to a Smart View-enabled TV or monitor.

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

Settings

Introduction

Customise device settings. You can make your device more personalised by configuring various setting options.

Launch the **Settings** app.

To search for settings by entering keywords, tap **Search** or Q .

Connections

Options

Change settings for various connections, such as the Wi-Fi feature and Bluetooth.

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

- **WLAN**: Activate the Wi-Fi feature to connect to a Wi-Fi network and access the Internet or other network devices. Refer to WLAN for more information.

- **Bluetooth**: Use Bluetooth to exchange data or media files with other Bluetooth-enabled devices. Refer to Bluetooth for more information.

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

- **Data usage**: Keep track of your data usage amount and customise the settings for the limitation. Set the device to automatically disable the mobile data connection when the amount of mobile data you have used reaches your specified limit.

- **Airplane mode**: Set the device to disable all wireless functions on your device. You can use only non-network services.

> Follow the regulations provided by the airline and the instructions of aircraft personnel. In cases where it is allowed to use the device, always use it in flight mode.

- **NFC and payment**: Set the device to allow you to read near field communication (NFC) tags that contain information about products. You can also use this feature to make payments and buy tickets for transportation or events after downloading the required apps. Refer to NFC and payment for more information.

- **Mobile Hotspot and Tethering**: Use the device as a mobile hotspot to share the device's mobile data connection with other devices when the network connection is not available. Connections can be made via Wi-Fi, USB, or Bluetooth. Refer to Mobile Hotspot and Tethering for more information.

- **Mobile networks**: Configure your mobile network settings.

- **SIM card manager**: Activate your SIM, USIM or UIM cards and customise the SIM card settings. Refer to SIM card manager for more information.

- **Location**: Change settings for location information permissions.

- **More connection settings**: Customise settings to control other features. Refer to More connection settings for more information.

WLAN

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

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

Connecting to a Wi-Fi network

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

2 Select a network from the Wi-Fi networks list.

Networks that require a password appear with a lock icon. Enter the password and tap **CONNECT**.

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

WLAN Direct

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

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

2 Tap **WLAN Direct**.

The detected devices are listed.

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

3 Select a device to connect to.

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

Sending and receiving data

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

1 Launch the **Gallery** app and select an image.

2 Tap ⇗ → **WLAN Direct** and select a device to transfer the image to.

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

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

Ending the device connection

1 On the Settings screen, tap **Connections** → **WLAN**.

2 Tap **WLAN Direct**.

The device displays the connected devices in the list.

3 Tap the device name to disconnect the devices.

Bluetooth

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

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

  Samsung is not responsible for the repercussion of illegal use of the Bluetooth feature.

Pairing with other Bluetooth devices

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

The detected devices will be listed.

2 Select a device to pair with.

If the device you want to pair with is not on the list, set the device to enter Bluetooth pairing mode. Refer to the other device's user manuals.

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

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

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

Sending and receiving data

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

1 Launch the **Gallery** app and select an image.

2 Tap ⤳ → **Bluetooth**, and then select a device to transfer the image to.

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

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

3 Accept the Bluetooth connection request on the other device.

Unpairing Bluetooth devices

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

The device displays the paired devices in the list.

2 Tap ⚙ next to the device name to unpair.

3 Tap **Unpair**.

NFC and payment

Your device allows you to read near field communication (NFC) tags that contain information about products. You can also use this feature to make payments and buy tickets for transportation or events after downloading the required apps.

⚠️
- The device contains a built-in NFC antenna. Handle the device carefully to avoid damaging the NFC antenna.

- If a third payment device or another digital transmission device is near or in use after you activate the NFC and payment feature on your device, near field communication data transfer and payment features will automatically be activated. Be extremely careful to prevent misuse by nearby devices, duplicate operations, transmission delays, or malfunctions. This may result in unwanted costs or duplicate charges, and it could also result in the unwanted transmission of sensitive information or material. Samsung will not be held responsible for any problems caused by user negligence, or the settings, payment systems, etc. of third party software.

Reading information from NFC tags

Use the NFC feature to send images or contacts to other devices, and read product information from NFC tags.

1 On the Settings screen, tap **Connections** and tap the **NFC and payment** switch to activate it.

2 Place the NFC antenna area on the back of your device near an NFC tag.

The information from the tag appears.

📝 Ensure that the device's screen is turned on and unlocked. Otherwise, the device will not read NFC tags or receive data.

Making payments with the NFC feature

Before you can use the NFC feature to make payments, you must register for the mobile payment service. To register or get more information about the service, contact your service provider.

1 On the Settings screen, tap **Connections** and tap the **NFC and payment** switch to activate it.

2 Touch the NFC antenna area on the back of your device to the NFC card reader.

To set the default payment app, open the Settings screen and tap **Connections** → **NFC and payment** → **Tap and pay** → **PAYMENT**, and then select an app.

The payment services list may not include all available payment apps.

Sending data with the NFC feature

Allow data exchange when your device's NFC antenna touches the other device's NFC antenna.

1 On the Settings screen, tap **Connections** → **NFC and payment** and tap the switch to activate it.

2 Tap the **Android Beam** switch to activate it.

3 Select an item and touch the other device's NFC antenna to your device's NFC antenna.

4 When **Touch to beam.** appears on the screen, tap your device's screen to send the item.

If both devices try to send data simultaneously, the file transfer may fail.

Mobile Hotspot and Tethering

Use the device as a mobile hotspot to share the device's mobile data connection with other devices when the network connection is not available. Connections can be made via Wi-Fi, USB, or Bluetooth.

On the Settings screen, tap **Connections** → **Mobile Hotspot and Tethering**.

You may incur additional charges when using this feature.

- **Mobile Hotspot**: Use the mobile hotspot to share the device's mobile data connection with computers or other devices.
- **Bluetooth tethering**: Use Bluetooth tethering to share the device's mobile data connection with computers or other devices via Bluetooth.
- **USB tethering**: Use USB tethering to share the device's mobile data connection with a computer via USB. When connected to a computer, the device is used as a wireless modem for the computer.

Using the mobile hotspot

Use your device as a mobile hotspot to share your device's mobile data connection with other devices.

1 On the Settings screen, tap **Connections** → **Mobile Hotspot and Tethering** → **Mobile Hotspot**.

2 Tap the switch to activate it.

The 📶 icon appears on the status bar. Other devices can find your device in the Wi-Fi networks list.

To set a password for the mobile hotspot, tap ⋮ → **Configure Mobile Hotspot** and select the level of security. Then, enter a password and tap **SAVE**.

3 On the other device's screen, search for and select your device from the Wi-Fi networks list.

4 On the connected device, use the device's mobile data connection to access the Internet.

SIM card manager

Activate your SIM, USIM or UIM cards and customise the SIM card settings. Refer to Using dual SIM, USIM or UIM cards for more information.

On the Settings screen, tap **Connections** → **SIM card manager**.

• **Calls**: Select a SIM, USIM or UIM card for voice calls.

• **Text messages**: Select a SIM, USIM or UIM card for messaging.

• **Mobile data**: Select a SIM, USIM or UIM card for data services.

• **NFC payment services**: Select a SIM, USIM or UIM card for NFC payment services.

• **Confirm SIM card for calls**: Set the device to display the SIM, USIM or UIM card selection pop-up window when returning a call or calling from a message. The pop-up window will appear only if the SIM, USIM or UIM card used for the previous call or message is different from your preferred SIM, USIM or UIM card.

• **Dual SIM always on**: Set the device to allow incoming calls from the other SIM or USIM card during a call. If you insert a UIM card, this feature is disabled.

> When this feature is enabled, you may incur additional charges for call forwarding depending on the region or service provider.

More connection settings

Customise settings to control other features.

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

- **Nearby device scanning**: Set the device to scan for nearby devices to connect to.

- **Printing**: Configure settings for printer plug-ins installed on the device. You can search for available printers or add one manually to print files. Refer to Printing for more information.

- **MirrorLink**: Use the MirrorLink feature to control your device's MirrorLink apps on the vehicle's head unit monitor. Refer to MirrorLink for more information.

- **Download booster**: Set the device to download files larger than 30 MB, faster via Wi-Fi and mobile networks simultaneously. Refer to Download booster for more information.

- **VPN**: Set up virtual networks (VPNs) on your device to connect to a school or company's private network.

- **Ethernet**: When you connect an Ethernet adaptor, you can use a wired network and configure network settings.

Printing

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

Some printers may not be compatible with the device.

Adding printer plug-ins

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

1 Search for a printer plug-in in **Galaxy Apps**.

2 Select a printer plug-in and install it.

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

4 Select the printer plug-in and tap the switch to activate it.

The device searches for printers that are connected to the same Wi-Fi network as your device.

5 Select a printer to add.

To add printers manually, tap ⋮ → **Add printer**.

Printing content

While viewing content, such as images or documents, access the options list, tap **Print** → ▼ → **All printers...**, and then select a printer.

Printing methods may vary depending on the content type.

MirrorLink

You can display your device's screen on the vehicle's head unit monitor.

Connect your device to a vehicle to control your device's MirrorLink apps on the vehicle's head unit monitor.

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

Your device is compatible with vehicles that support MirrorLink version 1.1 or higher.

Connecting your device to a vehicle via MirrorLink

When using this feature for the first time, connect the device to a Wi-Fi or mobile network.

1 Pair your device with a vehicle via Bluetooth.

Refer to Pairing with other Bluetooth devices for more information.

2 Connect your device to the vehicle using a USB cable.

When they are connected, access your device's MirrorLink apps on the head unit monitor.

Ending the MirrorLink connection

Unplug the USB cable from your device and the vehicle.

Download booster

Set the device to download files larger than 30 MB, faster via Wi-Fi and mobile networks simultaneously. A stronger Wi-Fi signal will provide a faster download speed.

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

> • You may incur additional charges when downloading files via the mobile network.
>
> • When you download large files, the device may heat up. If the device exceeds a set temperature, the feature will turn off.
>
> • If network signals are unstable, the speed and performance of this feature may be affected.
>
> • If the Wi-Fi and mobile network connections have significantly different data transfer speeds, the device may use only the fastest connection.
>
> • This feature supports Hypertext Transmission Protocol (HTTP) 1.1 and Hypertext Transmission Protocol Secure (HTTPS). The feature cannot be used with other protocols, such as FTP.

Sounds and vibration

Options

Change settings for various sounds on the device.

On the Settings screen, tap **Sounds and vibration**.

- **Sound mode**: Set the device to use sound mode, vibration mode, or silent mode.
- **Vibrate while ringing**: Set the device to vibrate and play a ringtone for incoming calls.
- **Use Volume keys for media**: Set the device to adjust the media volume level when you press the Volume key.
- **Volume**: Adjust the volume level for call ringtones, music and videos, system sounds, and notifications.
- **Ringtone**: Change the ringtones for calls or notifications.
- **Vibration pattern**: Select a vibration pattern.

- **Notification sounds**: Change the notification sound.

- **Do not disturb**: Set the device to mute incoming calls, notification sounds, and media, except for allowed exceptions.

- **Touch sounds**: Set the device to sound when you select an app or option on the touchscreen.

- **Screen lock sounds**: Set the device to sound when you lock or unlock the touchscreen.

- **Charging sound**: Set the device to sound when it is connected to a charger.

- **Dialing keypad tones**: Set the device to sound when you tap the buttons on the keypad.

- **Keyboard sound**: Set the device to sound when a key is touched.

- **Sound quality and effects**: Configure additional sound settings.

    You can also activate the surround sound mode. Refer to Dolby Atmos (surround sound) for more information.

- **Separate app sound**: Set the device to play media sound from a specific app on the connected Bluetooth speaker or headset separate from the sound of other apps. For example, you can listen to the Navigation app through your device's speaker while listening to playback from the Music app through the vehicle's Bluetooth speaker.

Dolby Atmos (surround sound)

Select a surround sound mode optimised for various types of audio, such as movies, music, and voice. With Dolby Atmos, you can experience moving audio sounds that flows all around you.

On the Settings screen, tap **Sounds and vibration** → **Sound quality and effects** → **Dolby Atmos**, tap the switch to activate it, and then select a mode.

> Before you use this feature, you must connect an earphone.

Notifications

Change the notification settings for each app.

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

To display icon badges, tap the **App icon badges** switch to activate it. To change the badge style, tap **App icon badges**.
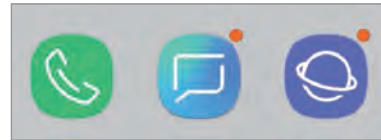
| With number | Without number |

To customise notification settings for more apps, tap **ADVANCED** and select an app.

Display

Options

Change the display and the Home screen settings.

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

- **Brightness**: Adjust the brightness of the display.
- **Auto brightness**: Set the device to keep track of your brightness adjustments and apply them automatically in similar lighting conditions.
- **Blue light filter**: Activate the blue light filter and change the filter settings. Refer to Blue light filter for more information.
- **Font and screen zoom**: Change the screen zoom setting or font size and style.
- **Screen mode**: Change the screen mode to adjust the display's colour and contrast. Refer to Changing the screen mode or adjusting the display colour for more information.
- **Home screen**: Change the size of the grid to display more or fewer items on the Home screen and more.
- **Full screen apps**: Select apps to use with the full screen aspect ratio.
- **Easy mode**: Switch to easy mode to display larger icons and apply a simpler layout to the Home screen.

- **Icon frames**: Set whether to display shaded backgrounds to make icons stand out.

- **LED indicator**: Set the device to turn on the LED indicator when you charge the battery, when you have notifications, or when you make voice recordings while the screen is turned off.

- **Status bar**: Customise the settings for displaying notifications or indicators on the status bar.

- **Navigation bar**: Change the navigation bar settings. Refer to Navigation bar (soft buttons) for more information.

- **Screen timeout**: Set the length of time the device waits before turning off the display's backlight.

- **Block accidental touches**: Set the device to prevent the screen from detecting touch input when it is in a dark place, such as a pocket or bag.

- **Screen saver**: Set the device to launch a screensaver when the device is charging. Refer to Screen saver for more information.

Blue light filter

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

> While you are watching HDR videos from HDR-exclusive video services, the blue light filter may not be applied.

1 On the Settings screen, tap **Display** → **Blue light filter**, and then tap the **Turn on now** switch to activate it.

2 Drag the adjustment bar to adjust the filter's opacity.

3 To set the schedule to apply the blue light filter to the screen, tap the **Turn on as scheduled** switch to activate it and select an option.

- **Sunset to sunrise**: Set the device to apply the blue light filter at night and turn it off in the morning, based on your current location.

- **Custom schedule**: Set a specific time to apply the blue light filter.

Changing the screen mode or adjusting the display colour

Select a screen mode suitable for viewing movies or images, or adjust the display colour to your preference. If you select the **Adaptive display** mode, you can adjust the display colour balance by colour value.

Changing the screen mode

On the Settings screen, tap **Display** → **Screen mode** and select a mode you want.

- **Adaptive display**: This optimises the colour range, saturation, and sharpness of your display. You can also adjust the display colour balance by colour value.
- **AMOLED cinema**: This is suitable for watching videos.
- **AMOLED photo**: This is suitable for viewing images.
- **Basic**: This is set as default and is suitable for general use.

> - You can adjust the display colour only in **Adaptive display** mode.
> - **Adaptive display** mode may not be compatible with third-party apps.
> - You cannot change the screen mode while applying the blue light filter.

Optimising the full screen colour balance

Optimise the display colour by adjusting the colour tones to your preference.

When you drag the colour adjustment bar towards **Cool**, the blue colour tone will increase. When you drag the bar towards **Warm**, the red colour tone will increase.

1 On the Settings screen, tap **Display** → **Screen mode** → **Adaptive display**.

2 Adjust the colour adjustment bar under **Full screen color balance**.

The colour balance of the screen will be optimised.
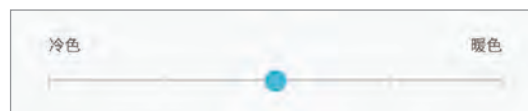
Adjusting the screen tone by colour value

Increase or lower certain colour tones by adjusting the **Red**, **Green**, or **Blue** value individually.

1 On the Settings screen, tap **Display** → **Screen mode** → **Adaptive display**.

2 Tick **Advanced options**.

3 Adjust the **Red**, **Green**, or **Blue** colour bar to your preference.

The screen tone screen will be adjusted.

Screen saver

You can set to display images as a screensaver when the screen turns off automatically. The screensaver will be displayed when the device is charging.

1 On the Settings screen, tap **Display** → **Screen saver** and tap the switch to activate it.

2 Select an option.

If you select **Photo frame**, a slideshow with selected images will start. If you select **Photo Table**, selected images will appear as small cards and overlap.

3 Tap ⚙ to select albums for displaying images.

4 When you are finished, tap the Back button.

To preview the selected option, tap **PREVIEW**.

When you tap the screen while your screensaver is displayed, the screen will turn on.

Advanced features

Options

Activate advanced features and change the settings that control them.

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

> Excessive shaking or an impact to the device may cause an unintended input for some features using sensors.

- **Smart stay**: Set the device to prevent the display from turning off while you are looking at it.

- **App lock**: Set a lock method to prevent others from accessing selected apps.

- **Call/message spam filter**: Set the device to identify unsaved phone numbers when you receive incoming calls or messages. You can also set the device to reject calls or messages from specific phone number types or to update database automatically when connected a Wi-Fi network.

- **Hongbao assistant**: Set the device to notify you when you receive a hongbao via WeChat. This feature will help you quickly open hongbaos.

- **One-handed mode**: Activate one-handed operation mode for your convenience when using the device with one hand.

- **Finger sensor gestures**: Set the device to open or close the notification panel when you swipe upwards or downwards on the fingerprint recognition sensor. This feature is not available when the sensor is detecting your fingerprint.

- **Quick launch Camera**: Set the device to launch the camera by pressing the Power key twice quickly.

- **Device assistance app**: Select a device assistance app to launch when you press and hold the Home button. The device assistance app will gather information from the current screen and provide related information, apps, and features.

- **Multi window**: Select a Multi window launch method.

- **Smart capture**: Set the device to capture the current screen and scrollable area, and crop and share the screenshot immediately.

- **Palm swipe to capture**: Set the device to capture a screenshot when you swipe your hand to the left or right across the screen. You can view the captured images in **Gallery**.

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

- **Record screen**: Change the settings for recording videos of the screen.

    It is not possible to record the screen while using some apps and features.

- **Direct call**: Set the device to make a voice call by picking up and holding the device near your ear while viewing message or contact details.

- **Smart alert**: Set the device to alert you if you have missed calls or new messages when you pick up the device.

    This feature may not work if the screen is turned on or the device is not on a flat surface.

- **Easy mute**: Set the device to mute incoming calls or alarms by using palm motions or facing the device's screen downwards.

- **Swipe to call or send messages**: Set the device to make a call or send a message when you swipe to the right or left on a contact or a phone number in the **Phone** or **Contacts** app.

- **Dual Messenger**: Install the second app and use two separate accounts for the same messenger app. Refer to Dual Messenger for more information.

- **Send SOS messages**: Set the device to send help messages by pressing the Power key three times. You can also send sound recordings along with the message to the recipients.

- **Direct share**: Set the device to display the people you contacted on the sharing options panel to allow you to share content directly.

Dual Messenger

Install the second app and use two separate accounts for the same messenger app.

1 On the Settings screen, tap **Advanced features** → **Dual Messenger**.

Supported apps will appear.

2 Tap the switch of an app to install the second app.

The second app will be installed. The second app's icon will be displayed with . When you receive notifications from the second app, the notifications will be displayed with   to distinguish them from the first app's notifications.

Second app

> - The Dual Messenger feature may not be available depending on the app.
> - Some features of the app may be limited for the second app.

Uninstalling a second app

1 On the Settings screen, tap **Advanced features** → **Dual Messenger**.

2 Tap the switch of the app you want to disable and tap **UNINSTALL**.

All data related to the second app will be deleted.

> If you uninstall the first app, the second app will also be deleted.

Apps

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

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

Wallpapers and themes

Change the wallpaper settings for the Home screen and the locked screen or apply various themes to the device.

On the Settings screen, tap **Wallpapers and themes**.

- **Wallpapers**: Change the wallpaper settings for the Home screen and the locked screen.
- **Themes**: Change the device's theme.
- **Icons**: Change the icon style.
- **AODs**: Select an image to display on the Always On Display.

Lock screen

Options

Change the settings for the locked screen.

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

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

- **Always On Display**: Set the device to display information while the screen is turned off. Refer to Always On Display for more information.
- **Screen lock type**: Change the screen lock method.
- **Smart Lock**: Set the device to unlock itself when trusted locations or devices are detected. Refer to Smart Lock for more information.
- **Secure lock settings**: Change screen lock settings for the selected lock method.
- **Clock style**: Change the type and colour of the clock on the locked screen.
- **Roaming clock**: Change the clock to show both the local and home time zones on the locked screen when roaming.
- **FaceWidgets**: Set whether or not to allow access to useful widgets on the locked screen.
- **Contact information**: Set the device to show contact information, such as your email address, on the locked screen.
- **Notifications**: Set whether or not to show notifications on the locked screen and select which notifications to display.
- **App shortcuts**: Select apps to display shortcuts to them on the locked screen.

Smart Lock

You can set the device to unlock itself and remain unlocked when trusted locations or devices are detected.

For example, if you have set your home as a trusted location, when you get home your device will detect the location and automatically unlock itself.

> • This feature will be available to use after you set a screen lock method.
>
> • If you do not use your device for four hours or when you turn on the device, you must unlock the screen using the pattern, PIN, or password you set.

1 On the Settings screen, tap **Lock screen** → **Smart Lock**.

2 Unlock the screen using the preset screen lock method.

3 Select an option and follow the on-screen instructions to complete the setting.

Biometrics and security

Options

Change the settings for securing the device.

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

• **Face Recognition**: Set the device to unlock the screen by recognising your face. Refer to Face recognition for more information.

• **Fingerprint Scanner**: Register your fingerprints to unlock the screen. Refer to Fingerprint recognition for more information.

• **Find My Mobile**: Activate or deactivate the Find My Mobile feature. Access the Find My Mobile website (findmymobile.samsung.cn) to track and control your lost or stolen device.

- **Security update**: View the version of your device's security system and check for updates.
- **Install unknown apps**: Set the device to allow the installation of apps from unknown sources.
- **Secure Folder**: Create a secure folder to protect your private content and apps from others. Refer to Secure Folder for more information.
- **App permission monitor**: Set to receive notifications when the permissions you select are used by apps that you are not using. You can manage the settings of each app and view their permission usage history.
- **Secure startup**: Protect your device by setting it to require a screen unlock code when turning on the device. You must enter the unlock code to start the device and receive messages and notifications.
- **Encrypt SD card**: Set the device to encrypt files on a memory card.

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

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

Face recognition

You can set the device to unlock the screen by recognising your face.

> - If you use your face as a screen lock method, your face cannot be used to unlock the screen for the first time after turning on the device. To use the device, you must unlock the screen using the pattern, PIN, or password you set when registering the face. Be careful not to forget your pattern, PIN, or password.
> - If you change the screen lock method to **Swipe** or **None**, which are not secure, all of your biometric data will be deleted. If you want to use your biometric data in apps or features, such as **Samsung Pay**, you must register your biometric data again.

Precautions for using face recognition

Before using the face recognition to unlock your device, keep the following precautions in mind.

- Your device could be unlocked by someone or something that looks like your image.
- Face recognition is less secure than Pattern, PIN, or Password.

For better face recognition

Consider the following when using face recognition:

- Consider the conditions when registering, such as wearing glasses, hats, masks, beards, or heavy makeup
- Ensure that you are in a well-lit area and that the camera lens is clean when registering
- Ensure your image is not blurry for better match results

Registering your face

For better face registration, register your face indoors and out of direct sunlight.

1 On the Settings screen, tap **Biometrics and security** → **Face Recognition**.

2 Unlock the screen using the preset screen lock method.

If you have not set a screen lock method, create one.

3 Read the on-screen instructions and tap **CONTINUE**.

4 Hold the device with the screen facing towards you and look at the screen.

5 Position your face inside the circle on the screen.

The camera will scan your face.

When a face unlock screen appears, tap **TURN ON** to use your face to unlock the screen.

If unlocking the screen with your face is not working properly, tap **Remove face data** to remove your registered face and register your face again.

Deleting the registered face data

You can delete face data that you have registered.

1 On the Settings screen, tap **Biometrics and security** → **Face Recognition**.

2 Unlock the screen using the preset screen lock method.

3 Tap **Remove face data**.

Once the registered face is deleted, all the related features will also be deactivated.

Unlocking the screen with your face

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

1 On the Settings screen, tap **Biometrics and security** → **Face Recognition**.

2 Unlock the screen using the preset screen lock method.

3 Tap the **Face unlock** switch to activate it.

> If you want to reduce the possibility of recognising faces in photos or videos, tap the **Faster recognition** switch to deactivate it. This may decrease the face recognition speed.

4 On the locked screen, look at the screen.

When your face is recognised, you can unlock the screen without using any additional screen lock method. If your face is not recognised, use the preset screen lock method.

Fingerprint recognition

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

- Web sign-in
- Samsung account verification
- Samsung Pay
- Screen lock
- Secure Folder

> - This feature may not be available depending on the region or service provider.
> - Fingerprint recognition uses the unique characteristics of each fingerprint to enhance the security of your device. The likelihood of the fingerprint sensor confusing two different fingerprints is very low. However, in rare cases where separate fingerprints are very similar the sensor may recognise them as identical.
> - If you use your fingerprint as a screen lock method, your fingerprint cannot be used to unlock the screen for the first time after turning on the device. To use the device, you must unlock the screen using the pattern, PIN, or password you set when registering the fingerprint. Be careful not to forget your pattern, PIN, or password.
> - If your fingerprint is not recognised, unlock the device using the pattern, PIN, or password you set when registering the fingerprint, and then re-register your fingerprints. If your pattern, PIN, or password is forgotten, you will not be able to use the device if you do not reset it. Samsung is not responsible for any data loss or inconvenience caused by forgotten unlock codes.
> - If you change the screen lock method to **Swipe** or **None**, which are not secure, all of your biometric data will be deleted. If you want to use your biometric data in apps or features, such as **Samsung Pay**, you must register your biometric data again.

For better fingerprint recognition

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

- The fingerprint recognition sensor recognises fingerprints. Ensure that the fingerprint recognition sensor is not scratched or damaged by metal objects, such as coins, keys, and necklaces.
- Covering the fingerprint recognition sensor with protective films, stickers, or other accessories may decrease the fingerprint recognition rate. If the fingerprint recognition sensor is initially covered with a protective film, remove it before using the fingerprint recognition sensor.
- Ensure that the fingerprint recognition sensor and your fingers are clean and dry.
- The device may not recognise fingerprints that are affected by wrinkles or scars.
- The device may not recognise fingerprints from small or thin fingers.
- If you bend your finger or use a fingertip, the device may not recognise your fingerprints. Make sure to cover the entire fingerprint recognition sensor with your finger.
- To improve recognition performance, register fingerprints of the hand used most often to perform tasks on the device.
- In dry environments, static electricity can build up in the device. Avoid using this feature in dry environments or before using the feature, discharge static electricity by touching a metal object.

Registering fingerprints

1 On the Settings screen, tap **Biometrics and security** → **Fingerprint Scanner**.

2 Unlock the screen using the preset screen lock method.

If you have not set a screen lock method, create one.

3   Place your finger on the fingerprint recognition sensor.

4   After the device detects your finger, rotate your hand and place the same finger on the fingerprint recognition sensor again.

Repeat this action until the fingerprint is registered. When you are finished registering your fingerprints, tap **DONE**.

When a fingerprint lock screen appears, tap **TURN ON** to use your fingerprint to unlock the screen.

Deleting registered fingerprints

You can delete registered fingerprints.

1   On the Settings screen, tap **Biometrics and security** → **Fingerprint Scanner**.

2   Unlock the screen using the preset screen lock method.

3   Tap **EDIT**.

4   Tick fingerprints to delete and tap **REMOVE**.

Using fingerprints to sign in to accounts

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

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

1 On the Settings screen, tap **Biometrics and security** → **Fingerprint Scanner**.

2 Unlock the screen using the preset screen lock method.

3 Tap the **Web sign-in** switch to activate it.

4 Open a webpage that you want to sign in to with a fingerprint.

5 Enter your user name and password, and then tap the webpage's sign in button.

6 Tick **Sign in using your fingerprints** and tap **REMEMBER**.

   You can use your fingerprint to verify your account and password to sign in to the webpage.

Verifying the Samsung account password

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

1 On the Settings screen, tap **Biometrics and security** → **Fingerprint Scanner**.

2 Unlock the screen using the preset screen lock method.

3 Tap the **Samsung account** switch to activate it.

4 Sign in to your Samsung account.

Using fingerprints with Samsung Pay

You can use fingerprints with Samsung Pay to make payments quickly and securely. Refer to Samsung Pay for more information.

Unlocking the screen with your fingerprints

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

1 On the Settings screen, tap **Biometrics and security** → **Fingerprint Scanner**.

2 Unlock the screen using the preset screen lock method.

3 Tap the **Fingerprint unlock** switch to activate it.

4 On the locked screen, place your finger on the fingerprint recognition sensor and scan your fingerprint.

Secure Folder

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

Secure Folder is a separate, secured storage area. The data in Secure Folder cannot be transferred to other devices via unapproved sharing methods, such as USB or Wi-Fi Direct. Attempting to customise the operating system or modifying software will cause Secure Folder to be automatically locked and inaccessible. Before saving data in Secure Folder, make sure to back up a copy of the data in another secure location.

Setting up Secure Folder

1 Launch the **Secure Folder** app.

Alternatively, launch the **Settings** app and tap **Biometrics and security** → **Secure Folder**.

2 Tap **START**.

3 Tap **SIGN IN** and sign in to your Samsung account.

4 Select a lock method to use for Secure Folder and follow the on-screen instructions to complete the setup.

To change the name or icon colour of Secure Folder, tap ⋮ → **Customize icon**.

> • When you launch the **Secure Folder** app, you must unlock the app using your preset lock method.
>
> • If you forget your Secure Folder unlock code, you can reset it using your Samsung account. Tap the reset button at the bottom of the locked screen, and enter your Samsung account password.

Setting auto lock for Secure Folder

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

1 Launch the **Secure Folder** app and tap ⋮ → **Settings** → **Auto lock Secure Folder**.

2 Select a lock option.

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

Moving content to Secure Folder

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

1 Launch the **Secure Folder** app and tap **Add files**.

2 Tap **Images**, tick images to move, and then tap **DONE**.

3 Tap **MOVE**.

The selected items will be deleted from the original folder and moved to Secure Folder. To copy items, tap **COPY**.

The method for moving content may vary depending on the content type.

Moving content from Secure Folder

Move content from Secure Folder to the corresponding app in the default storage. The following actions are an example of moving an image from Secure Folder to the default storage.

1 Launch the **Secure Folder** app and tap **Gallery**.

2 Select an image and tap ⁝ → **Move out of Secure Folder**.

The selected items will be moved to **Gallery** in the default storage.

Adding apps

Add an app to use in Secure Folder.

1 Launch the **Secure Folder** app and tap **Add apps**.

2 Tick one or more apps installed on the device and tap **ADD**.

To install apps from **Galaxy Apps**, tap **DOWNLOAD FROM GALAXY APPS**.

Removing apps from Secure Folder

Tap **Edit apps**, tick apps, and then tap **Uninstall**.

Adding accounts

Add your Samsung account and other accounts to sync with the apps in Secure Folder.

1 Launch the **Secure Folder** app and tap ⋮ → **Settings** → **Accounts** → **Add account**.

2 Select an account service.

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

Hiding Secure Folder

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

Launch the **Secure Folder** app, tap ⋮ → **Settings**, and then tap the **Show Secure Folder** switch to deactivate it.

Alternatively, drag the status bar downwards to open the notification panel. Then, swipe downwards on the notification panel and tap **Secure Folder** to deactivate the feature.

Backing up and restoring Secure Folder

Back up content and apps in Secure Folder to Samsung Cloud using your Samsung account and restore them later.

Backing up data

1 Launch the **Secure Folder** app and tap ⋮ → **Settings** → **Backup and restore**.

2 Tap **Add account** and register and sign in to your Samsung account.

3 Tap **Back up Secure Folder data**.

4 Tick items you want to back up and tap **BACK UP NOW**.

Data will be backed up to Samsung Cloud.

Restoring data

1 Launch the **Secure Folder** app and tap ⋮ → **Settings** → **Backup and restore**.

2 Tap **Restore**.

3 Select a device and the data types you want to restore and tap **RESTORE NOW**.

Backed up data will be restored to your device.

Uninstalling Secure Folder

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

Launch the **Secure Folder** app and tap ⋮ → **Settings** → **More settings** → **Uninstall**.

To back up content before uninstalling Secure Folder, tick **Move media files out of Secure Folder** and tap **UNINSTALL**. To access data backed from Secure Folder, open the **Samsung** folder, launch the **My Files** app, and then tap **Internal storage** → **Secure Folder**.

> Notes saved in **Samsung Notes** will not be backed up.

Cloud and accounts

Options

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

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

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

- **Samsung Cloud**: Manage the content that you want to store securely in Samsung Cloud. Check the usage status of your Samsung Cloud storage, and sync, back up, and restore your data. Refer to Samsung Cloud for more information.

- **Accounts**: Add your Samsung account and other accounts to sync with.

- **Backup and restore**: Keep your personal information, app data, and settings safe on your device. You can back up your sensitive information and access it later. You must sign in to your Samsung account to back up or restore data. Refer to Backup and restore for more information.

- **Smart Switch**: Launch Smart Switch and transfer data from your previous device. Refer to Smart Switch for more information.

Backup and restore

Keep your personal information, app data, and settings safe on your device. You can back up your sensitive information and access it later. You must sign in to your Samsung account to back up or restore data.

Using a Samsung account

On the Settings screen, tap **Cloud and accounts** → **Backup and restore** → **Back up data** for the Samsung account, select the items you want to back up, and then tap **BACK UP**.

Data will be backed up to Samsung Cloud. Refer to Samsung Cloud for more information.

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

Accessibility

Configure various settings to improve accessibility to the device.

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

- **Vision**: Customise the settings to improve accessibility for visually impaired users.

- **Hearing**: Customise the settings to improve accessibility for users with hearing impairment.

- **Dexterity and interaction**: Customise the settings to improve accessibility for users who have reduced dexterity.

- **Text-to-speech**: Set the text-to-speech options such as language or speech rate while using Voice Assistant.

- **Direction lock**: Change the directional combination settings for unlocking the screen.

- **Direct access**: Set the device to launch selected accessibility menus when you press and hold the Power key and the Volume Up key simultaneously or press the Home key three times.

- **Accessibility shortcut**: Set the device to start a shortcut service when you simultaneously press and hold the Volume Up key and the Volume Down key for three seconds.

- **Notification reminder**: Set the device to alert you to notifications that you have not checked at the interval.

- **Answering and ending calls**: Change the method of answering or ending calls.

- **Single tap mode**: Use a single tap instead of a swipe to respond to alarms, alerts, and incoming calls.

- **Accessibility settings backup**: Export and import your accessibility settings, and share them with others via email, Wi-Fi Direct, Bluetooth, and more.

- **SERVICES**: View accessibility services installed on the device.

General management

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

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

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

- **Storage**: Check the status of the used and available storage.

> - The actual available capacity of the internal storage is less than the specified capacity because the operating system and default apps occupy part of the storage. The available capacity may change when you update the device.
>
> - You can view the available capacity of the internal storage in the Specification section for your device on the Samsung website.

- **Memory**: Check the memory's status. You can speed up your device by reducing the amount of memory you are using.

- **Language and input**: Select device languages and change settings, such as keyboards and voice input types. Some options may not be available depending on the selected language. Refer to Adding device languages for more information.

- **Date and time**: Access and alter the settings to control how the device displays the time and date.

> If the battery remains fully discharged, the time and date is reset.

- **Contact us**: Ask questions or view frequently asked questions. Refer to Samsung Members for more information.

- **Report diagnostic information**: Set the device to automatically send the device's diagnostic and usage information to Samsung.

- **Samsung advertising ID**: View or reset your Samsung Advertising ID.

- **Marketing information**: Set whether to receive Samsung marketing information, such as special offers, membership benefits, and newsletters.

- **Reset**: Reset your device's settings or perform a factory data reset. You can reset all your settings and network settings. You can also set the device to restart at a preset time for device optimisation.

> - Some preloaded apps will be deleted. After you perform the factory data reset, you can reinstall some apps during the initial setup procedure.
> - The factory data reset procedure may vary depending on the service provider.

Adding device languages

You can add languages to use on your device.

1 On the Settings screen, tap **General management** → **Language and input** → **Language** → **Add language**.

To view all the languages that can be added, tap ⋮ → **All languages**.

2 Select a language to add.

3 To set the selected language as the default language, tap **SET AS DEFAULT**. To keep the current language setting, tap **KEEP CURRENT**.

The selected language will be added to your languages list. If you changed the default language, the selected language will be added to the top of the list.

To change the default language from your languages list, drag ⌄ next to a language and move it to the top of the list. Then, tap **APPLY**. If an app does not support the default language, the next supported language in the list will be used.

Software update

Update your device's software via the firmware over-the-air (FOTA) service. You can also schedule software updates.

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

The device supports only authorised operating system updates. Do not update an unauthorised operating system. Doing so may make your personal information vulnerable to leakage or theft.

If emergency software updates are released for your device's security and to block new types of security threats, they will be installed automatically without your agreement.

- **Download updates manually**: Check for and install updates manually.
- **Download updates automatically**: Set the device to download updates automatically when connected to a Wi-Fi network.
- **Scheduled software updates**: Set the device to install updates at a specified time.
- **Last update information**: View information about the last software update.

Security updates information

Security updates are provided to strengthen the security of your device and protect your personal information. For security updates for your model, visit security.samsungmobile.com.

The website supports only some languages.

User manual

View help information to learn how to use the device and apps or configure important settings.

On the Settings screen, tap **User manual**.

About phone

Access your device's information.

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

To change your device's name, tap **EDIT**.

- **Status**: View various device information, such as the SIM card status, Wi-Fi MAC address, and serial number.
- **Legal information**: View legal information related to the device, such as safety information and the open source licence.
- **Software information**: View the device's software information, such as its operating system version and firmware version.
- **Preloaded apps**: View the preloaded apps list.
- **Battery information**: View the device's battery status and information.

Appendix

Troubleshooting

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

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

- Password: When the device lock feature is enabled, you must enter the password you set for the device.

- PIN: When using the device for the first time or when the PIN requirement is enabled, you must enter the PIN supplied with the SIM, USIM or UIM card. You can disable this feature by using the Lock SIM card menu.

- PUK: Your SIM, USIM or UIM card is blocked, usually as a result of entering your PIN incorrectly several times. You must enter the PUK supplied by your service provider.

- PIN2: When you access a menu requiring the PIN2, you must enter the PIN2 supplied with the SIM, USIM or UIM card. For more information, contact your service provider.

Your device displays network or service error messages

- When you are in areas with weak signals or poor reception, you may lose reception. Move to another area and try again. While moving, error messages may appear repeatedly.

- You cannot access some options without a subscription. For more information, contact your service provider.

Your device does not turn on

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

The touchscreen responds slowly or improperly

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

Your device freezes or encounters a fatal error

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

Restarting the device

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

Forcing restart

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

Resetting the device

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

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

Calls are not connected

- Ensure that you have accessed the right cellular network.
- Ensure that you have not set call barring for the phone number you are dialling.
- Ensure that you have not set call barring for the incoming phone number.

Others cannot hear you speaking on a call

- Ensure that you are not covering the built-in microphone.
- Ensure that the microphone is close to your mouth.
- If using an earphone, ensure that it is properly connected.

Sound echoes during a call

Adjust the volume by pressing the Volume key or move to another area.

A cellular network or the Internet is often disconnected or audio quality is poor

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

The battery icon is empty

Your battery is low. Charge the battery.

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

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

The battery depletes faster than when first purchased

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

Error messages appear when launching the camera

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

- Charge the battery.

- Free some memory by transferring files to a computer or deleting files from your device.

- Restart the device. If you are still having trouble with the camera app after trying these tips, contact a Samsung Service Centre.

Photo quality is poorer than the preview

- The quality of your photos may vary, depending on the surroundings and the photography techniques you use.

- If you take photos in dark areas, at night, or indoors, image noise may occur or images may be out of focus.

Error messages appear when opening multimedia files

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

- Free some memory by transferring files to a computer or deleting files from your device.

- Ensure that the music file is not Digital Rights Management (DRM)-protected. If the file is DRM-protected, ensure that you have the appropriate licence or key to play the file.

- Ensure that the file formats are supported by the device. If a file format is not supported, such as DivX or AC3, install an app that supports it. To confirm the file formats that your device supports, visit www.samsung.com/cn.

- Your device supports photos and videos captured with the device. Photos and videos captured by other devices may not work properly.

- Your device supports multimedia files that are authorised by your network service provider or providers of additional services. Some content circulated on the Internet, such as ringtones, videos, or wallpapers, may not work properly.

Bluetooth is not working well

If another Bluetooth device is not located or there are connection problems or performance malfunctions, try the following:

- Ensure that the device you wish to connect with is ready to be scanned or connected to.
- Ensure that your device and the other Bluetooth device are within the maximum Bluetooth range (10 m).
- On your device, launch the **Settings** app, tap **Connections**, and then tap the **Bluetooth** switch to re-activate it.
- On your device, launch the **Settings** app, tap **General management** → **Reset** → **Reset network settings** → **RESET SETTINGS** to reset network settings. You may lose registered information when performing the reset.

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

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

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

Your device cannot find your current location

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

Data stored in the device has been lost

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

A small gap appears around the outside of the device case

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

There is not enough space in the device's storage

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

The Home button does not appear

The navigation bar containing the Home button may disappear while using certain apps or features. To view the navigation bar, drag upwards from the bottom of the screen.

Bixby Voice does not respond

- Restart your device to clear any temporary software bugs.

- Ensure that your device software is updated to the latest version.

- If you are still having trouble with Bixby Voice after trying these tips, contact a Samsung Service Centre.

The screen brightness adjustment bar does not appear on the notification panel

Open the notification panel by dragging the status bar downwards, and then drag the notification panel downwards. Tap ⌄ next to the brightness adjustment bar and tap the **Show control on top** switch to activate it.

Samsung Cloud does not work

- Ensure that you are connected to a network properly.

- During a Samsung Cloud's service check, you cannot use Samsung Cloud. Try again later.

Health and safety information

Exposure to Radio Frequency (RF) Signals

Certification Information (SAR)

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. government. These FCC exposure limits are derived from the recommendations of two expert organizations, the National Counsel on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE). In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

The exposure limit set by the FCC for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of absorption of RF energy by the human body expressed in units of watts per kilogram (W/kg). The FCC requires wireless phones to comply with a safety limit of 1.6 watts per kilogram (1.6 W/ kg). The FCC exposure limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

SAR tests are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a new model phone is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the exposure limit established by the FCC. Tests for each model phone are performed in positions and locations (e.g. at the ear and worn on the body) as required by the FCC.

For body worn operation, this model phone has been tested and meets the FCC RF exposure guidelines when used with a Samsung accessory designated for this product or when used with an accessory that contains no metal and that positions the handset a minimum of 1.5 cm from the body.

Non-compliance with the above restrictions may result in violation of FCC RF exposure guidelines.

SAR information on this and other model phones can be viewed on-line at http://www.fcc.gov/oet/ea/fccid/. Please use the phone FCC ID number for search, A3LSMA6060. Sometimes it may be necessary to remove the battery pack to find the number. Once you have the FCC ID number for a particular phone, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular phone. Additional product specific SAR information can also be obtained at http://www.fcc.gov/encyclopedia/specific-absorption-rate-sar-cellular-telephones

FCC Notice and Cautions

FCC Notice

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

- This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.

The phone may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the phone if such interference cannot be eliminated.

Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association, One Battery march Park, Quincy, MA 02269, Attn: Publication Sales Division.

Cautions

Changes or modifications made in the radio phone, not expressly approved by Samsung, will void the user's authority to operate the equipment.

The use of any unauthorized accessories may be dangerous and void the phone warranty if said accessories cause damage or a defect to the phone.

Although your phone is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending or sitting on it.

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