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.

HDR (High Dynamic Range)

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

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

Without effect

With effect

Using the focus and exposure features

Locking the focus (AF) and exposure (AE)

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

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

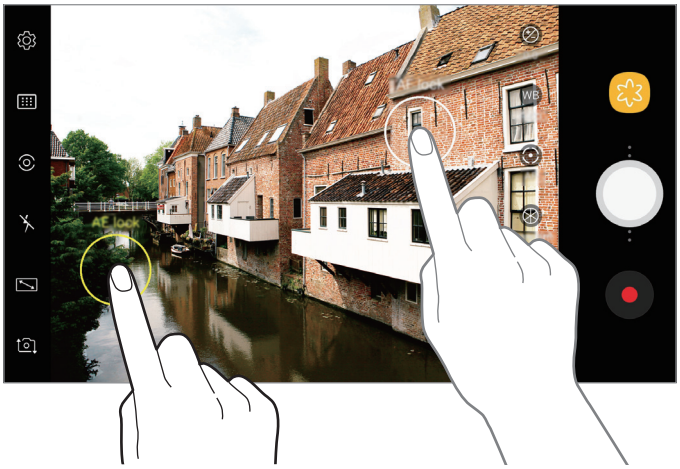
This feature is available only in **Auto** and **Pro** modes.

Separating the focus area and the exposure area

You can separate the focus area and the exposure area.

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

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

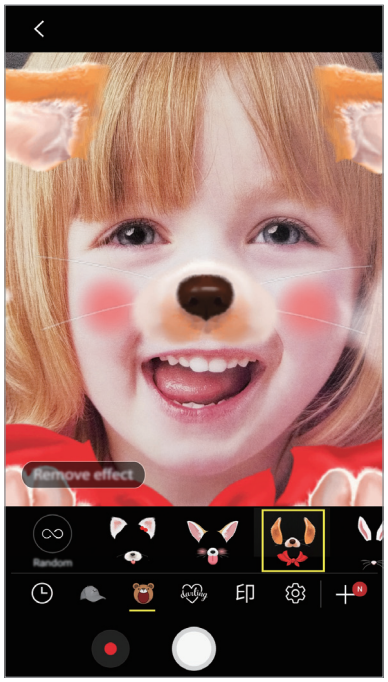


More fun with live stickers

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

1 On the preview screen, tap **STICKERS**.

2 Tap and select a sticker.



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

Applying stickers randomly

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

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

Using shooting modes

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

Select a shooting mode you want.

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

Auto mode

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

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

Pro mode

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

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

Available options

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

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

- : Adjust the shutter speed. A slow shutter speed allows more light in, so the photo becomes brighter. This is ideal for photos of scenery or photos taken at night. A fast shutter speed allows less light in. This is ideal for taking photos of fast-moving subjects.
- : Select a colour tone. To create your own colour tone, tap **Tone 1** or **Tone 2**.
- : Change the focus mode. Drag the adjustment bar towards or to manually adjust the focus. To switch to auto focus mode, tap **MANUAL**.

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

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

Panorama mode

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

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

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

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

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

3 Tap ■ to stop taking photos.

Taking a motion panorama

You can take and view a panorama with motion.

When taking motion panoramas, sound will not be recorded.

1 On the panorama preview screen, tap to activate the motion panorama feature and take a motion panorama.

2 On the preview screen, tap the preview thumbnail.

3 Tap **VIEW AS MOTION PANORAMA**.

The captured motion panorama will be played.

4 Tilt the device or swipe on the screen to rotate the captured motion panorama.

To save the motion panorama as a video file, tap **SAVE VIDEO**.

Selective focus mode

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

1 On the shooting modes list, tap **Selective focus**.

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

3 Tap to take a photo.

4 Tap the preview thumbnail.

5 Tap **ADJUST BACKGROUND BLUR** and select one of the following:

- **Near focus**: Make the subject stand out and blur the background around the subject.
- **Far focus**: Blur the subject and make the background stand out around the subject.
- **Pan focus**: Make the subject and its background stand out.

6 Tap **SAVE**.

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

Slow motion mode

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

1 On the shooting modes list, tap **Slow motion**.

2 Tap ● to start recording.

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

4 On the preview screen, tap the preview thumbnail.

5 Tap .

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

Hyperlapse mode

Record scenes, such as passing people or cars, and view them as fast-motion videos. The frame rate is automatically adjusted to record smoother, less shaky fast-motion videos while walking, travelling by vehicle, and more.

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

2 Tap and select a frame rate option.

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

3 Tap to start recording.

4 Tap to finish recording.

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

Food mode

Take photos of food with more vibrant colours.

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

2 Tap the screen and drag the circular frame over the area to highlight.

The area outside the circular frame will be blurred.

To resize the circular frame, drag a corner of the frame.

3 Tap and drag the adjustment bar to adjust the colour tone.

4 Tap to take a photo.

Virtual shot mode

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

1 On the shooting modes list, tap **Virtual shot**.

2 Place a subject in the centre of the preview screen and tap ◯.

3 Move the device around the subject slowly in one direction to take more photos.

When the arrow becomes completely yellow or when you stop circling the subject, the device will automatically stop taking photos.

Viewing virtual shot photos

1 On the preview screen, tap the preview thumbnail.

2 Tap .

3 Drag your finger left or right on the screen, or slowly swivel the device left or right to view the subject from different angles.

Anti-fog mode

Take a photo or video in misty conditions.

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

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

WeChat video mode

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

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

Selfie mode

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

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

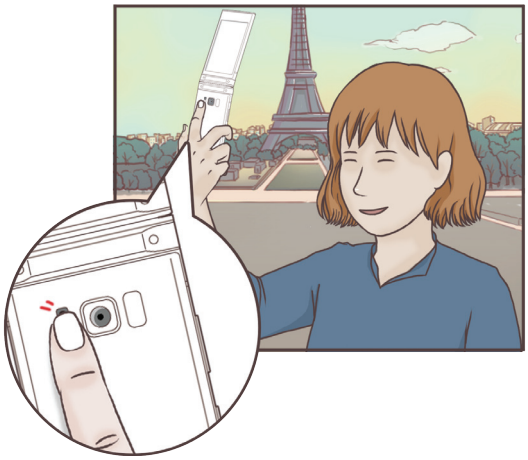
2 On the shooting modes list, tap **Selfie**.

3 Face the front camera lens.

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

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

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



Applying beauty effects

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

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

1 On the preview screen, tap .

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

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

Wide selfie mode

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

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

2 On the shooting modes list, tap **Wide selfie**.

3 Face the front camera lens.

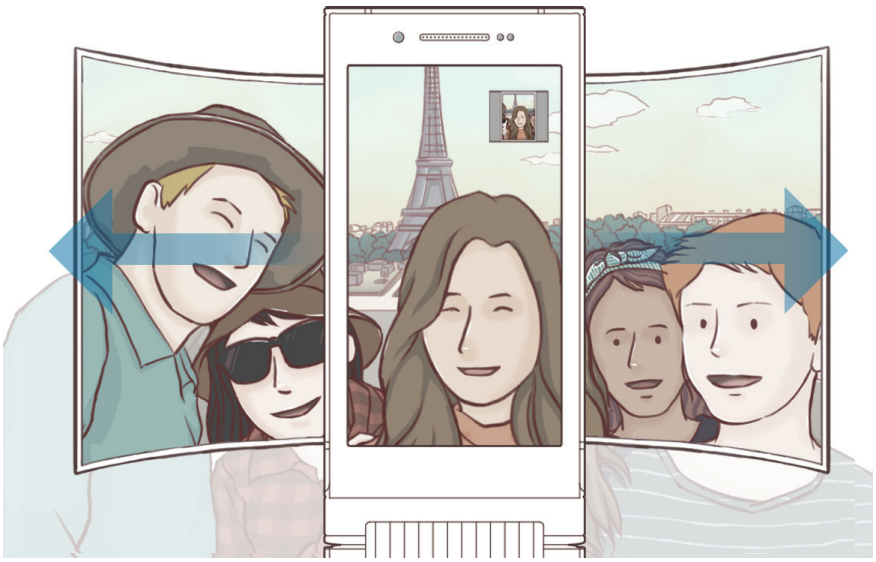
4 When the device detects your face, tap the heart rate sensor on the back of the device to take a photo of yourself.

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

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

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

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



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

Taking a wide self-portrait with motion

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

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

1 On the wide selfie preview screen, tap to activate the motion feature and take a wide self-portrait with motion.

2 On the preview screen, tap the preview thumbnail.

3 Tap **MOTION WIDE-ANGLE SELFIE**.

The captured wide self-portrait will be played.

4 Tilt the device or swipe on the screen to rotate the captured wide self-portrait.

To save the wide self-portrait as a video file, tap **SAVE VIDEO**.

Customising camera settings

Options for current shooting mode

On the preview screen, use the following options.

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

- : Turn on and off the full preview screen.
- : Select a frame rate.
- : Activate or deactivate the flash.
- : Select a metering method. This determines how light values are calculated. **Centre-weighted** uses the light in the centre portion of the shot to calculate the exposure of the shot. **Spot** uses the light in a concentrated centre area of the shot to calculate the exposure of the shot. **Matrix** averages the entire scene.
- : Change the focus area. **Multi** focuses on several areas within the frame. Multiple rectangles will appear to indicate the focused areas. **Centre** focuses on the centre within the frame.
- : Create motion panorama photos that can be played as videos. You can view the motion panorama photos at different angles by tilting the device or swiping on the screen.

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

Camera settings

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

REAR CAMERA

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

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

When using this feature, each photo is saved in two formats, DNG and JPG. Burst shot photos are only saved as JPG files.

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

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

- **Shape correction**: Correct distortion in photos automatically.

- **Timer**: Select the length of the delay before the camera automatically takes a photo.
- **HDR (rich tone)**: Take photos with rich colours and reproduce details even in bright and dark areas.

FRONT CAMERA

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

COMMON

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

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

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

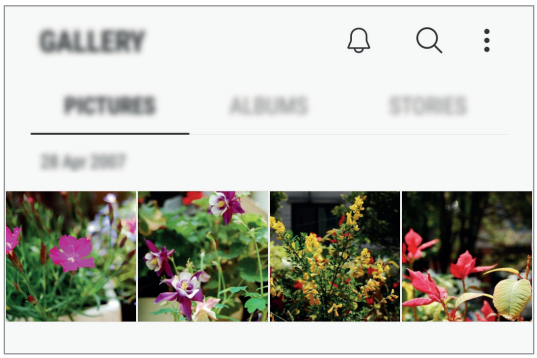
- GPS signal strength may decrease in locations where the signal is obstructed, such as between buildings or in low-lying areas, or in poor weather conditions.
- Your location may appear on your photos when you upload them to the Internet. To avoid this, deactivate the location tag setting.

- **Review pictures**: Set the device to show photos after capturing them.
- **Quick launch**: Set the device to launch the camera by pressing the Home key twice quickly.
- **Storage location**: Select the memory location for storage. This feature will appear when you insert a memory card.
- **Voice control**: Set the device to take photos or record videos with voice commands. You can say "Smile", "Cheese", "Capture", or "Shoot" to take a photo. To record a video, say "Record video".
- **Floating Camera button**: Add a camera button that you can place anywhere on the screen. This feature is available only in **Auto** and **Selfie** modes.
- **Volume key function**: Set the device to use the Volume key to control the shutter or zoom in or out.
- **Shutter sound**: Enable or disable the shutter sound.
- **Detect QR codes**: Enable or disable the QR code reader.
- **Reset settings**: Reset the camera settings.
- **Contact us**: Ask questions or view frequently asked questions. Refer to Samsung Members for more information.

Gallery

Introduction

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

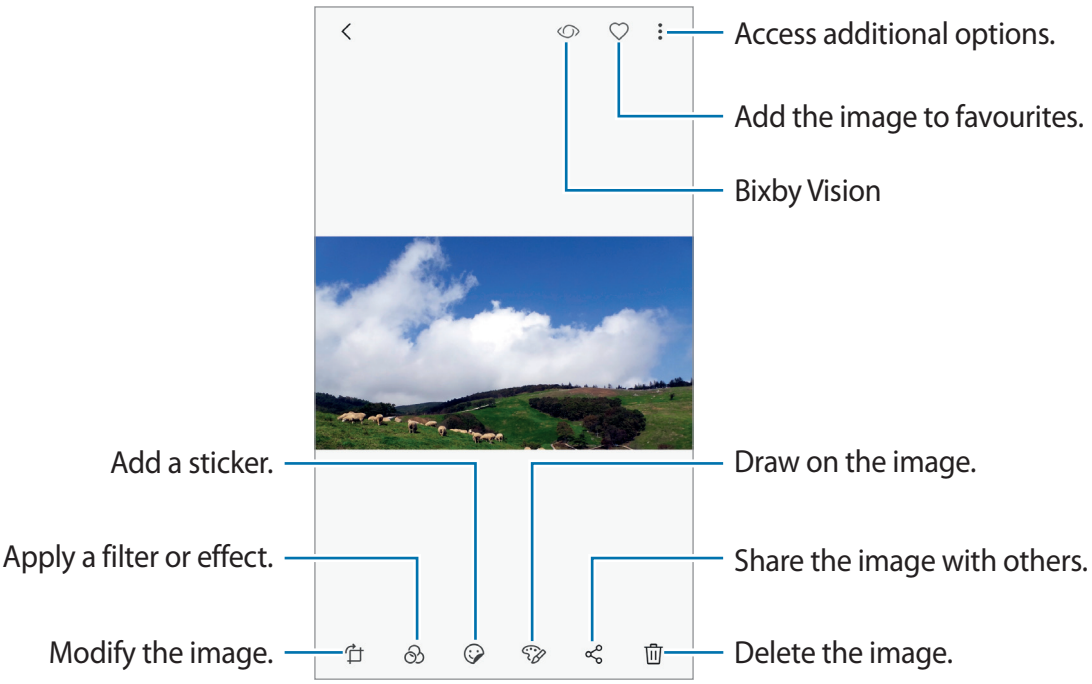


Viewing images and videos

Viewing images

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

2 Select an image.



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

Searching for images

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

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

Viewing albums

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

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

Viewing stories

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

Creating stories

Create stories with various themes.

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

2 Tap ⋮ → **Create story**.

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

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

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

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

Sharing stories

You can share stories with your contacts.

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

2 Select a story to share.

3 Tap , select contacts, and then tap **DONE**.

When your contacts accept the share request, the story will be shared and more images and videos can be added to the story by your contacts.

- To use this feature, your phone number must be verified.
- You may incur additional charges when sharing files via the mobile network.
- If the recipients have not verified their phone numbers or if their devices do not support the feature, a link to the files will be sent to them via text message. Link recipients may not be able to use some features. The link will expire after a certain period.

Deleting stories

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

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

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 on the screen when it is turned off.

Changing the schedule for the Always On Display feature

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

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

Deactivating the Always On Display feature

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

Multi window

Introduction

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

Some apps may not support this feature.

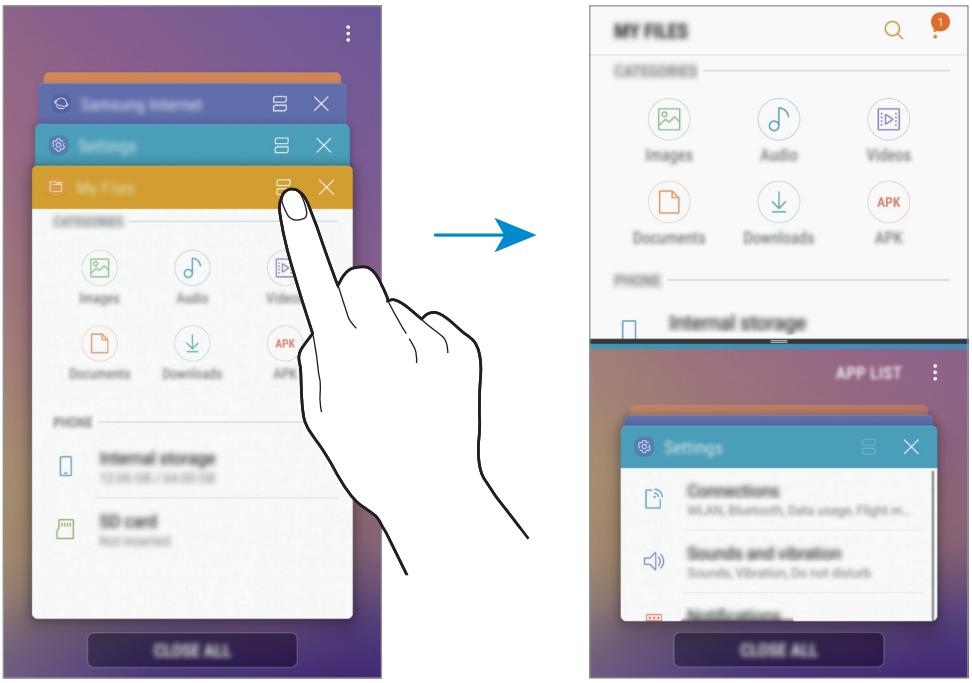
Split screen view

Split screen view

1 Press the Recents key 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.

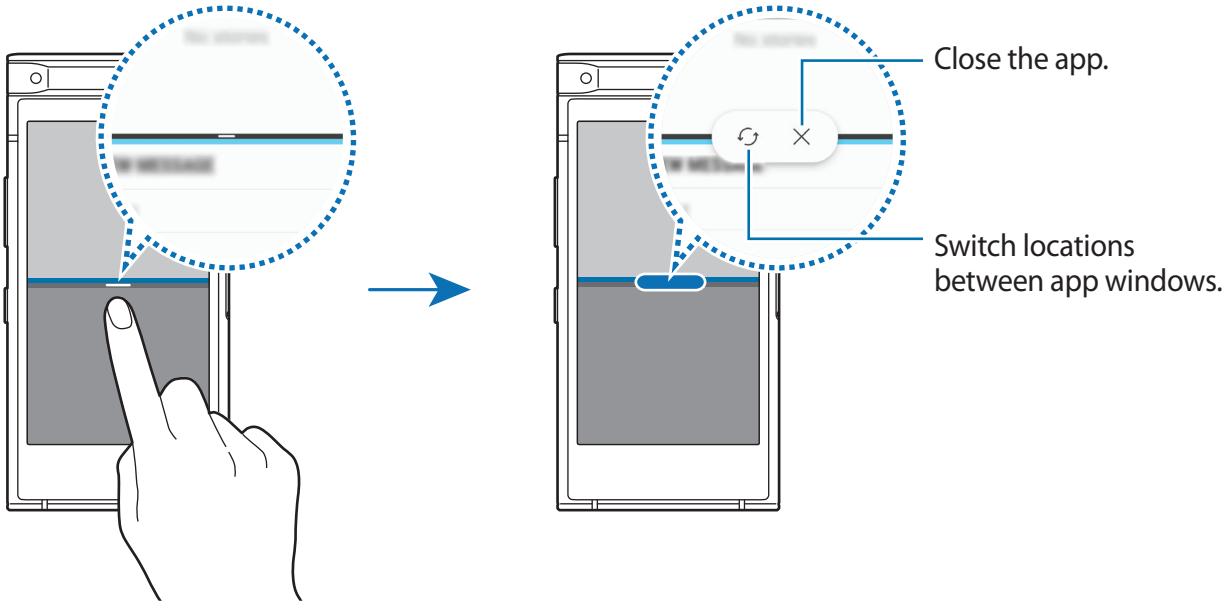


3 In the lower window, swipe upwards or downwards to select another app to launch.

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

Using additional options

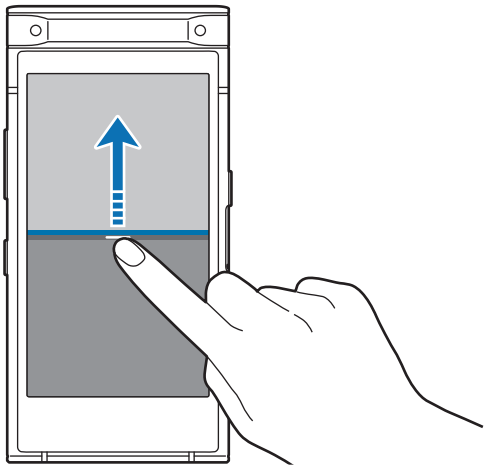
Tap the bar between the app windows to access additional options.



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.



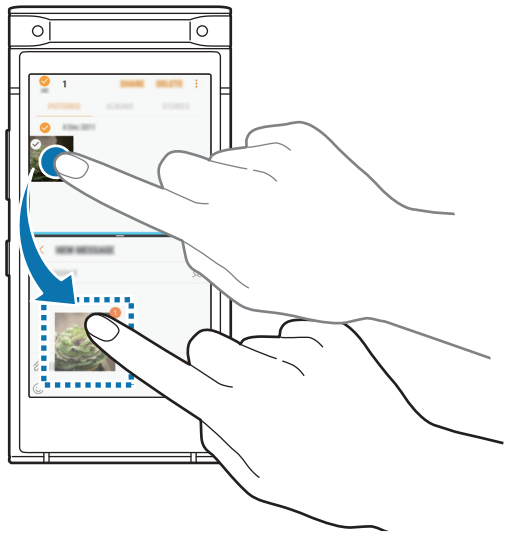
Minimising the split screen view

Press the Home key 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.

To close the minimised split screen view, open the notification panel and tap the icon on the Multi window notification.

Sharing text or images between windows

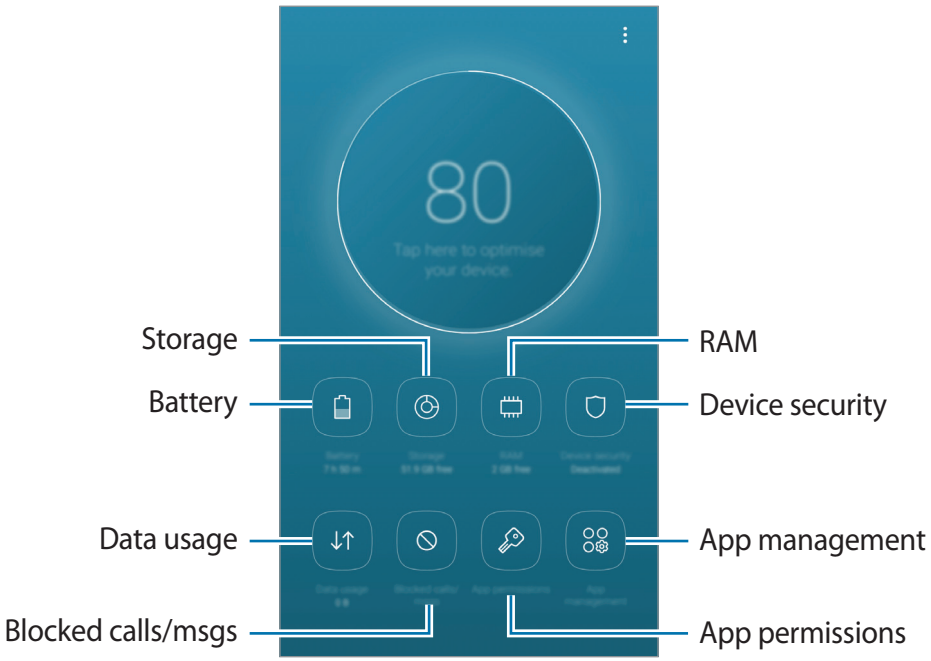
Drag and drop text or copied images from one window to another. Tap and hold an item in the selected window and drag it to a location in another window.



Some apps may not support this feature.

Smart Manager

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



Using the quick optimisation feature

Launch the **Smart Manager** app and tap **Tap here to optimise your device.**

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 **OPTIMISED**. Also, tap ⋮ → **Advanced settings** and set the **App power monitor** options.

Storage

Check the status of the used and available memory.

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

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

Managing the memory

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**.

RAM

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

To speed up your device by reducing the amount of RAM you are using, 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**.

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**.

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**.

App permissions

Specify functions to use for each app.

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

App management

Manage the app settings for auto run, notifications, or locking apps.

Launch the **Smart Manager** app, tap **App management**, and then tap the button under each feature.

- **Auto run apps**: Turn off auto run for each app to prevent them from running in the background.
- **Notifications**: Change the notification settings for each app.
- **App lock**: Set a lock method to prevent others from accessing selected apps.

Samsung Pay

Introduction

Register frequently used cards to Samsung Pay, a mobile payment service, to make payments quickly and securely. Samsung Pay supports magnetic secure transmission (MST) as well as 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 ⋮ → **Contact us**.

- To use this feature, you must sign in to your Samsung account and register your biometric data. For more information, refer to Samsung account, Fingerprint recognition, and Iris 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 or irises 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.

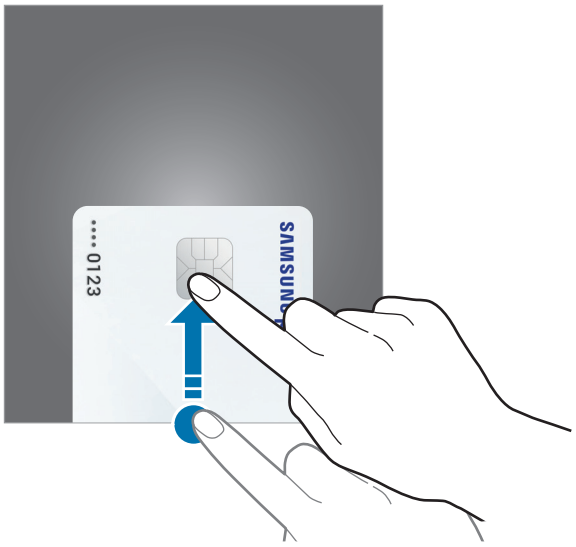
You can check the cards that support this feature from the Samsung Pay website (www.samsung.com.cn/samsungpay).

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

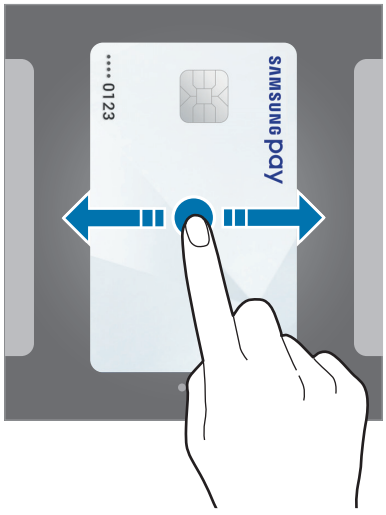
Making payments

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 or irises.

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.

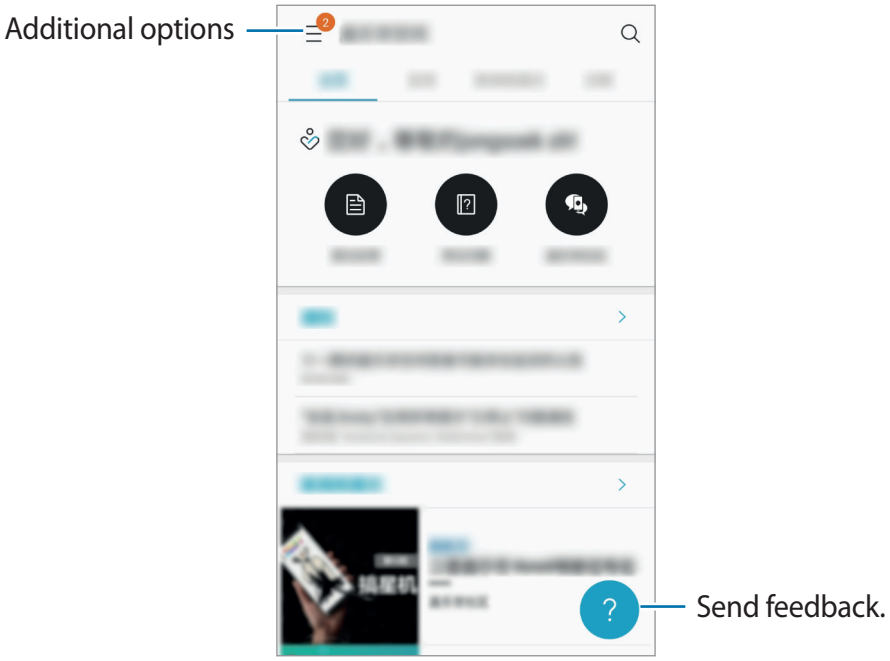
On the cards list, swipe to the left or right to select the card you used. Follow the on-screen instructions to complete payment cancellation.

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.



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

Introduction

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

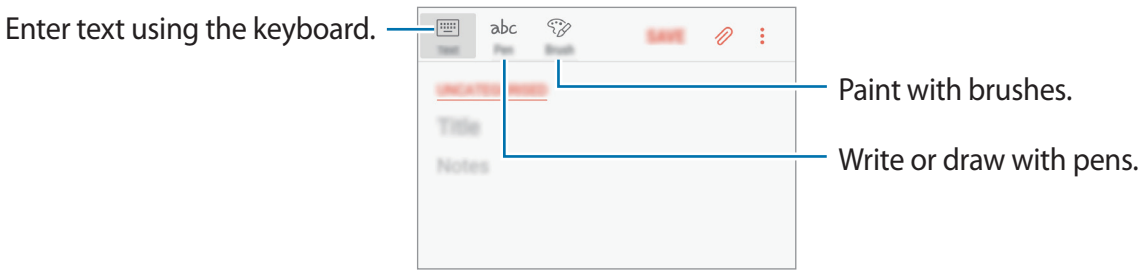
Creating notes

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.



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

Introduction

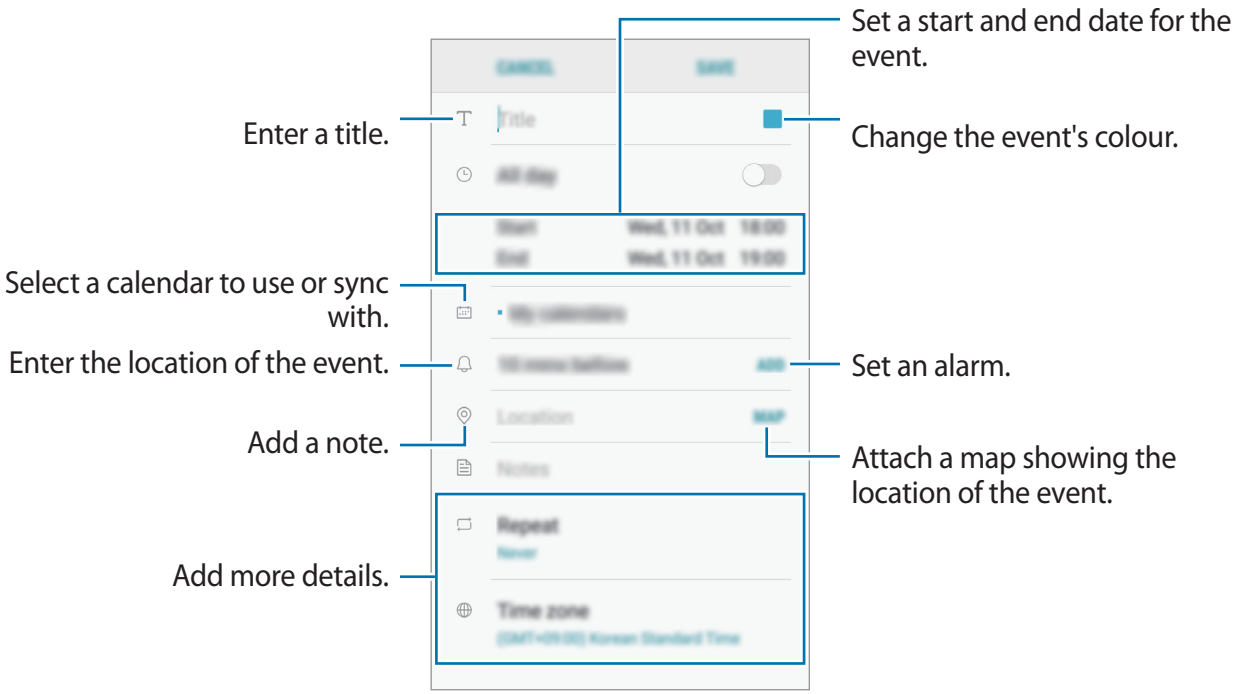
Manage your schedule by entering upcoming events or tasks in your planner.

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.



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

Launch the **Settings** app, tap **Accounts** → **Accounts**, select an account service, and then tap **Sync Calendar**.

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.

Starting Samsung Health

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.

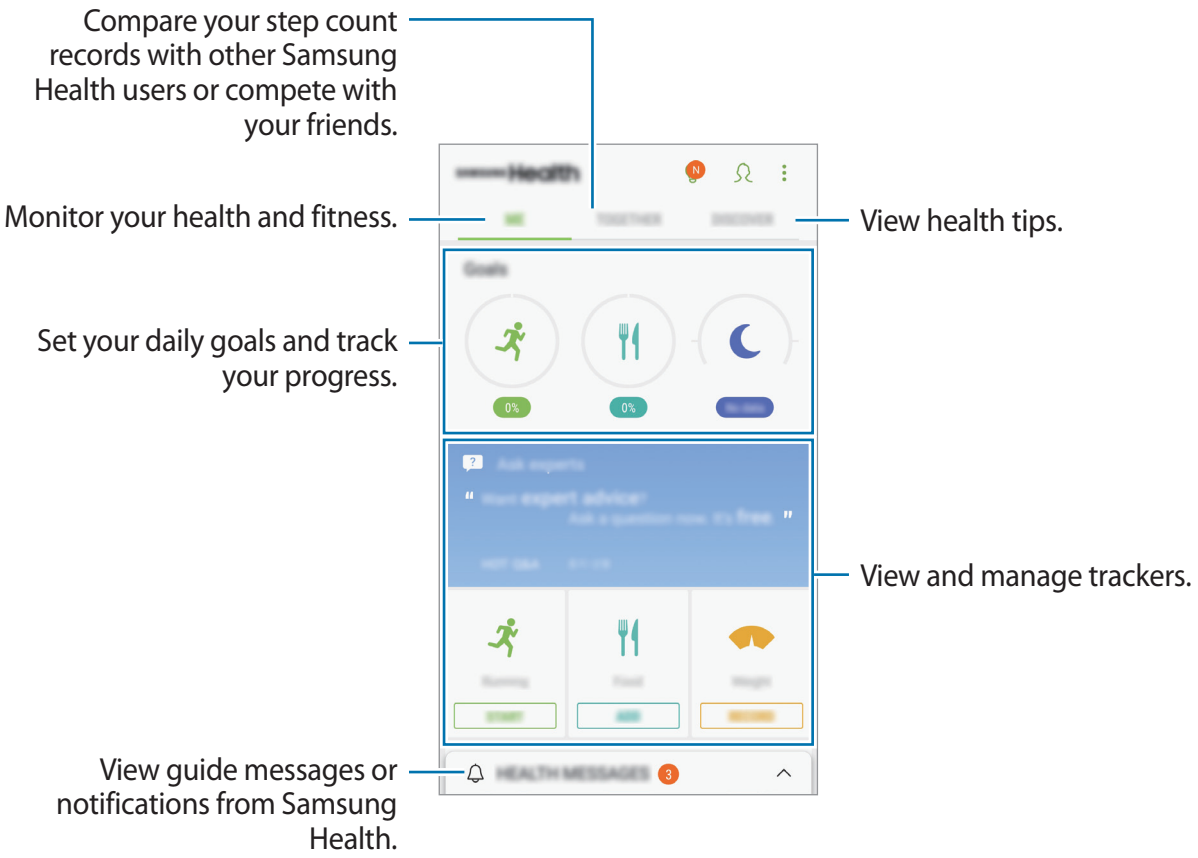
1 Open the **Samsung** folder and launch the **Samsung Health** app.

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

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.



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.
- **PROGRAMMES**: 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.

TOGETHER

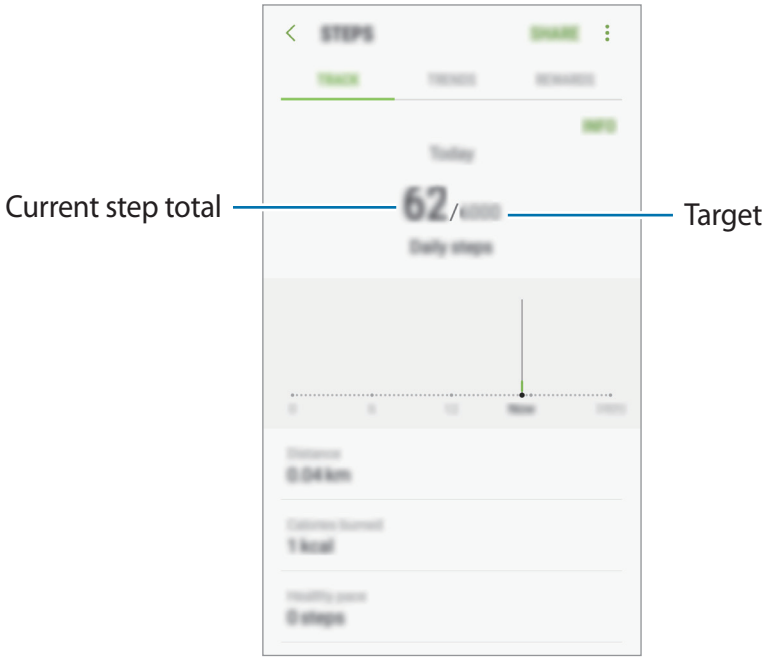
Together allows you to set up step count goals and compete with your friends. You can invite friends to walk together, set target step counts, compete in challenges, and view your ranking on the **Steps leaderboard**.

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.



- 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.

Heart rate

Measure and record your heart rate.

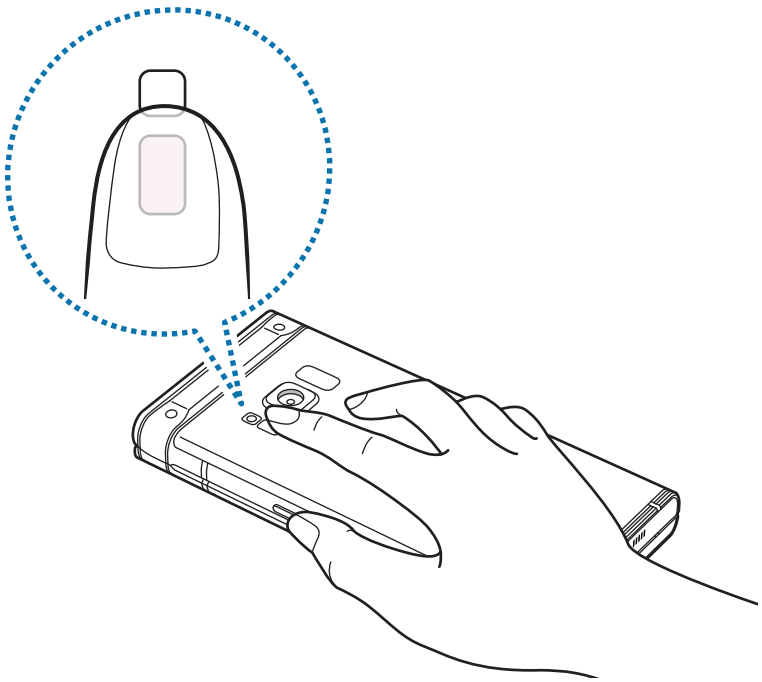
The heart rate tracker is intended for fitness and informational purposes only and is not intended for use in the diagnosis of disease or other conditions, or in the cure, mitigation, treatment, or prevention of disease.

Be aware of following conditions before measuring your heart rate:

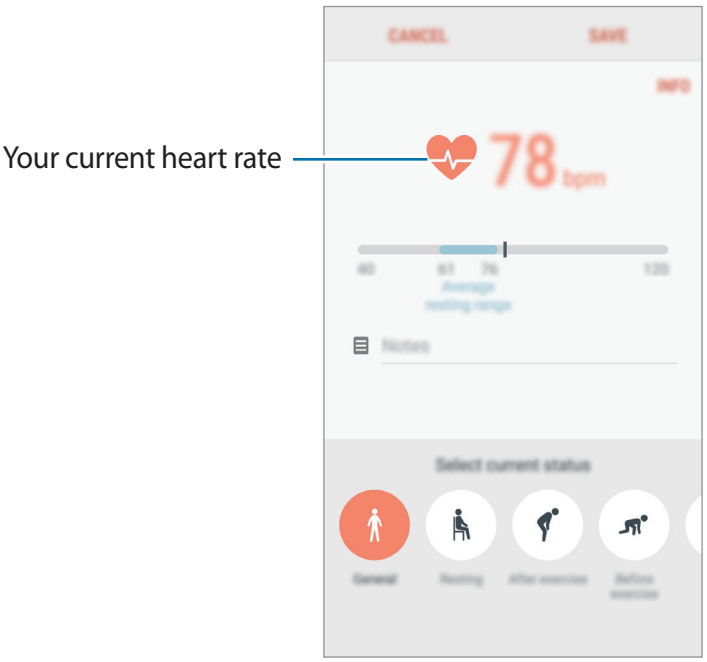
- Rest for 5 minutes before taking measurements.
- If the measurement is very different from the expected heart rate, rest for 30 minutes and then measure it again.
- During winter or in cold weather, keep yourself warm when measuring your heart rate.
- Smoking or consuming alcohol before taking measurements may cause your heart rate to be different from your normal heart rate.
- Do not talk, yawn, or breathe deeply while taking heart rate measurements. Doing so may cause your heart rate to be recorded inaccurately.
- Heart rate measurements may vary depending on the measurement method and the environment they are taken in.
- If the heart rate sensor is not working, make sure nothing is obstructing the sensor. If the heart rate sensor continues to have the same problem, visit a Samsung Service Centre.

1 On the Samsung Health screen, tap the heart rate tracker and tap **MEASURE** to start measuring your heart rate.

2 Place your finger on the heart rate sensor on the back of the device.



3 After a moment, your current heart rate will be displayed on the screen. Remove your finger from the sensor.



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.

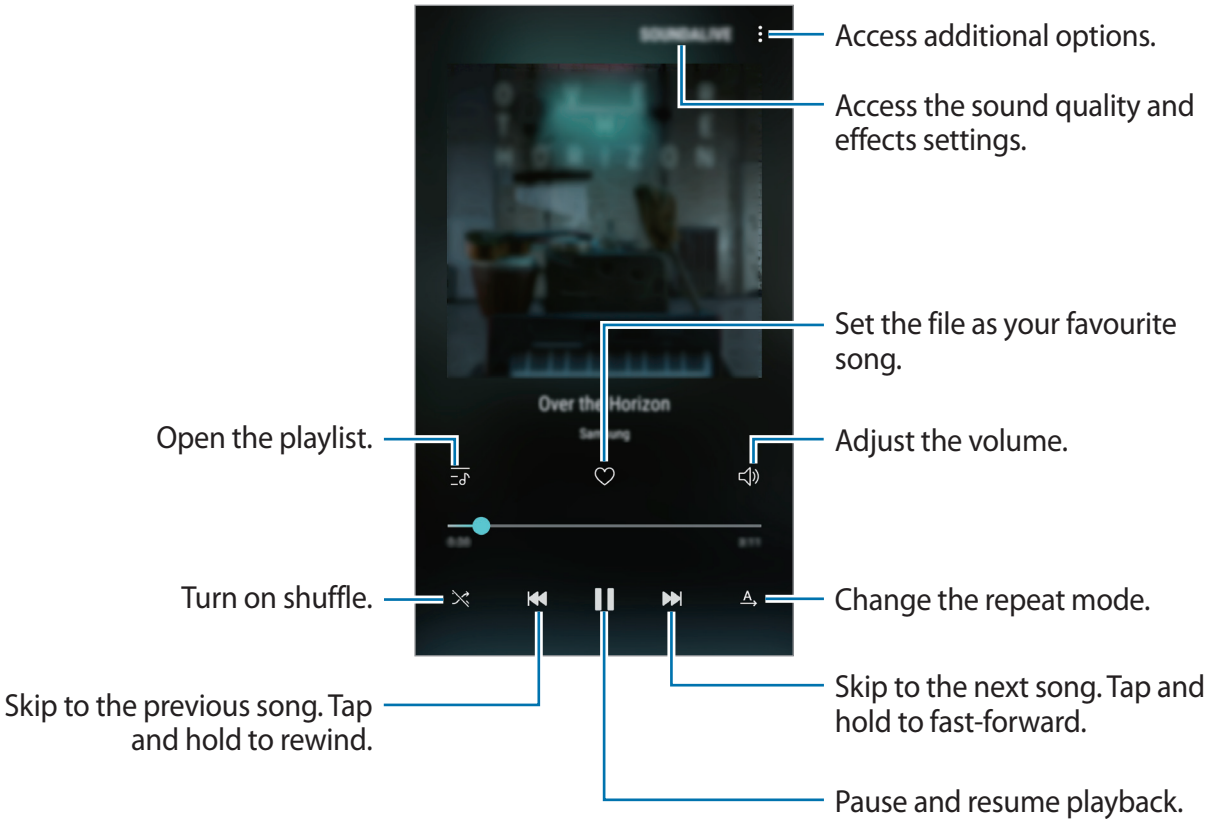
Music

Listen to music sorted by category and customise playback settings.

Launch the **Music** app.

Select a category from the top of the screen, and then select a song to play.

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

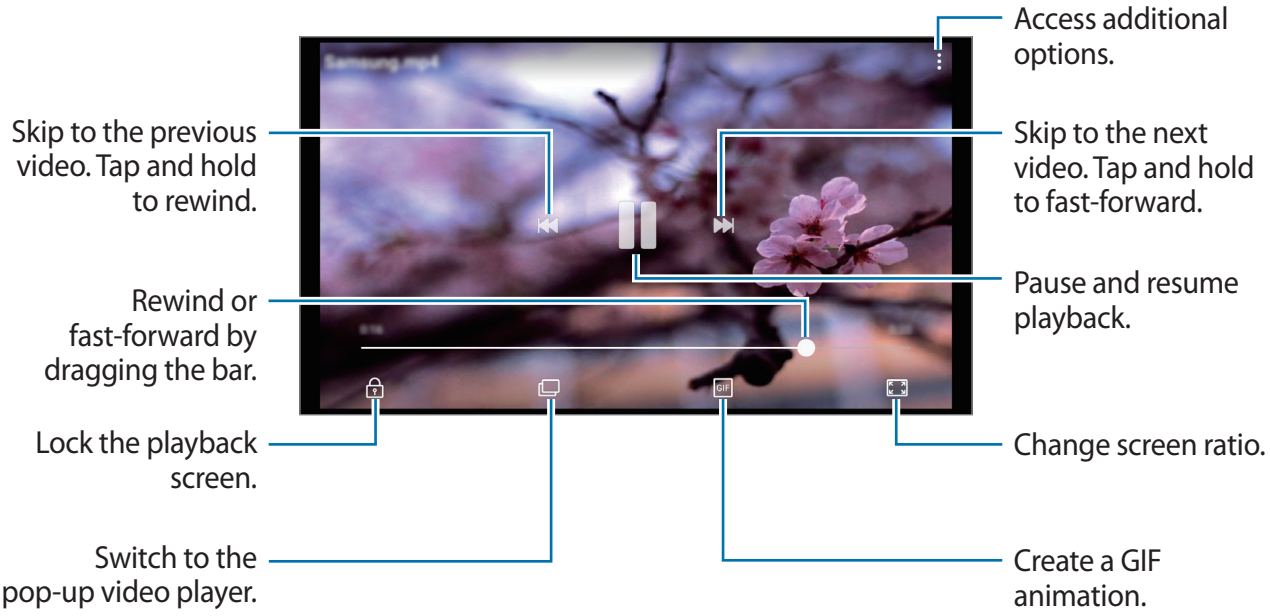


Video

Watch videos stored in the device and customise playback settings.

Launch the **Video** app.

Select a video to play.



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.

Voice Recorder

Introduction

Use different recording modes for various situations. The device can convert your voice to text.

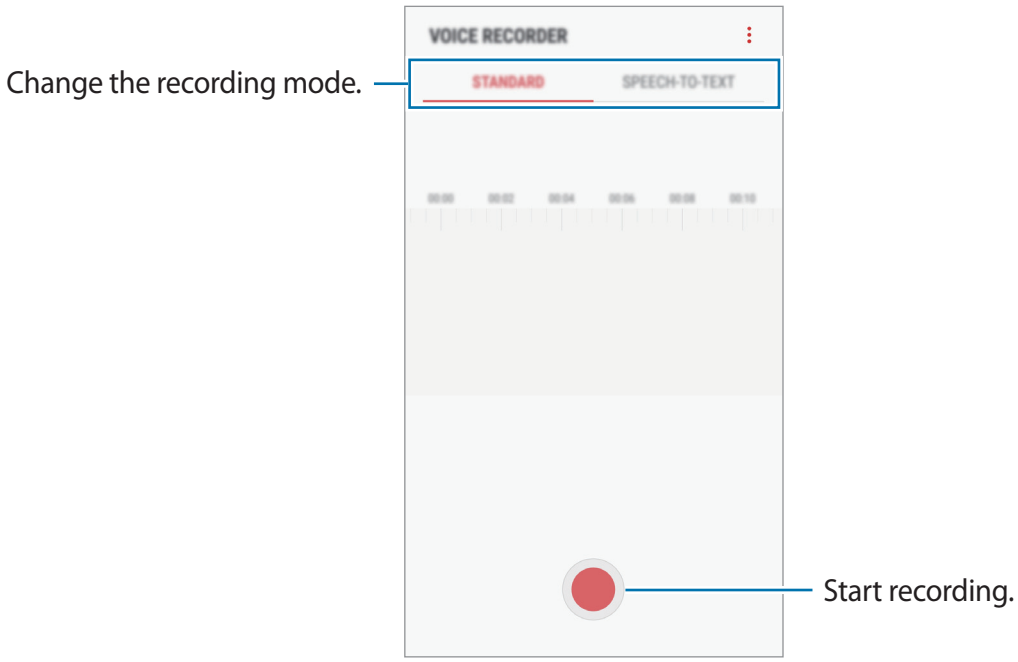
Making voice recordings

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.



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 onscreen 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 .

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.

Samsung Data Store

Purchase roaming data packages and use them as virtual SIM cards to get online without installing an actual SIM or USIM 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 purchase 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 data packages

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 and check the package's details, including its conditions and limitations.

5 Tap **BUY NOW**.

6 Follow the on-screen instructions to complete the purchase.

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

Activating data packages

When you are abroad, activate the data package you purchased.

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

2 Tap **QUICK** → **TURN ON PACKAGE**.

3 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, launch the **Samsung Data Store** app, and then tap **QUICK** → **Close service**.

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

Dual Messenger

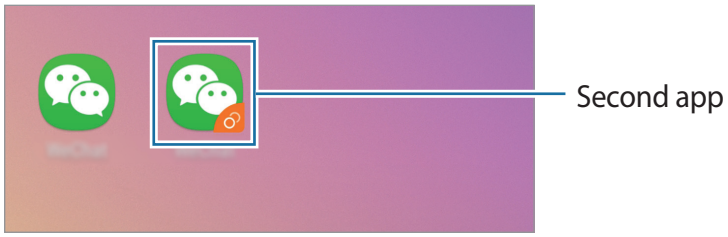
Install the second app and use two separate accounts for the same messenger app.

1 Launch the **Settings** app and tap **Advanced features** → **Dual Messenger**.

Supported apps will appear.

2 Tap the switch of an app to install the second app and tap **INSTALL**.

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.



- You can also install the second app from the Home screen. On the Home screen, tap and hold a messenger app and tap **Install 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 Launch the **Settings** app and 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.

Samsung Connect

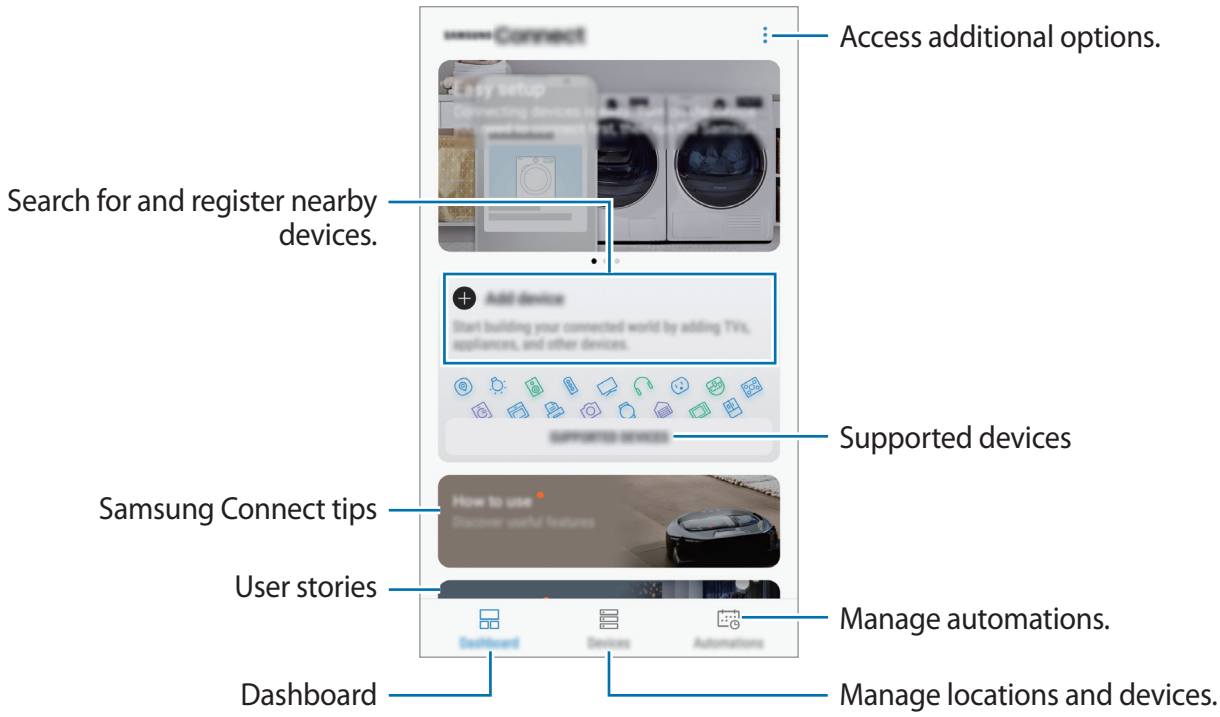
Introduction

Connect to nearby devices, such as Bluetooth headsets or other smartphones, easily and quickly. You can also control and manage TVs and home appliances with your smartphone.

- Connecting with nearby devices: Quickly search for nearby devices, such as Bluetooth headsets or wearable devices, and connect with them.
- Registering and controlling home appliances and TVs: Register smart refrigerators, washers, air conditioners, air purifiers, and TVs on your smartphone, and view their status or control them from your smartphone's screen. You can group devices by location and set multiple devices to operate automatically at preset times. For example, you can set the TV and your robot vacuum to turn on automatically in the evening.

- Your smartphone and other devices must be connected to a Wi-Fi or mobile network.
- 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.

Open the **Samsung** folder and launch **Samsung Connect**. The dashboard will appear.



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 Follow the pop-up window's instructions to turn on the Wi-Fi and Bluetooth auto on feature.

When you launch the **Samsung Connect** app, the Wi-Fi and Bluetooth features will be automatically activated.

3 On the dashboard, tap **Add device**.

The device will automatically search for nearby devices.

4 Select a device from the list and connect to it by following the on-screen instructions.

Once the connection is made, you can use the device or share the content.

Using home appliances and TVs

View the status of your home appliances and TVs from your smartphone's screen. You can group devices by location and add rules to control the devices easily and conveniently.

Registering 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.

To manually register devices, tap ⌄ under **ADD DEVICE MANUALLY** and select a device type or tap **Search** to enter the device name or device's model name.

4 Follow the on-screen instructions to register devices.

Viewing and controlling registered devices

You can view and control your registered devices. For example, you can check whether your TV is on or what is in your fridge.

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

2 Tap **Devices**.

The list of registered devices will appear.

3 View the status of devices on the list.

To control the devices, select a device. The device controller supplied with the selected device will be downloaded and then 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.

Open the **Samsung** folder, launch the **Samsung Connect** app, and then tap **Devices**.

Adding locations

1 Tap **ALL DEVICES** → **Add location**.

2 Enter the location name.

To set a location, tap **Geolocation** to select a location on the map and tap **DONE**.

3 Tap **SAVE**.

Your location will be added.

Adding devices to a location

Select a 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.

Select a location, tap ⋮ → **Add scene**, and 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 Launch the **Samsung Connect** app and tap **Automations** → **ADD AUTOMATION**.

2 Tap **When do you want to use this automation?** and set the conditions.

3 Tap **What do you want this automation to do?** and set devices and actions to perform.

To receive a notification when an automation runs, tap **Notify me**, enter the message, and then tap **DONE**.

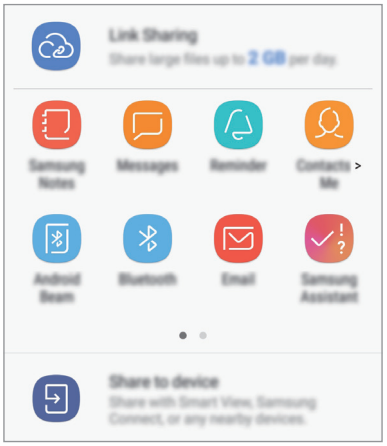
Sharing content

Share content by using various sharing options. The following actions are an example of sharing images.

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.



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 screen mirroring-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 settings for functions and apps. You can make your device more personalised by configuring various setting options.

Launch the **Settings** app.

To search for settings by entering keywords, tap .

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.
- **Flight mode**: Set the device to disable all wireless functions on your device. You can use only non-network services.

Make sure the device is turned off during takeoff and landing.

- **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 or USIM 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 WLAN 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 in the list, request that the device turns on its visibility option. 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.

Dual audio

You can connect up to two Bluetooth audio devices to your smartphone. Connect two Bluetooth headsets or speakers to use them at the same time.

To use this feature, the Bluetooth audio devices you want to connect must support the **Media audio** feature.

1 On the Settings screen, tap **Connections** → **Bluetooth**, and then tap the switch to activate it.

The detected devices will be listed.

2 Tap → **Dual audio**, tap the switch to activate it, and then press the Back key.

3 Select a device to pair with.

If the device you want to pair with is not in the list, turn on its visibility option or enter Bluetooth pairing mode on the device. Refer to the device's user manuals for more information.

4 Tap next to the connected device and tap the **Media audio** switch to activate it.

5 Select another device from the list and activate its **Media audio** feature.

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.

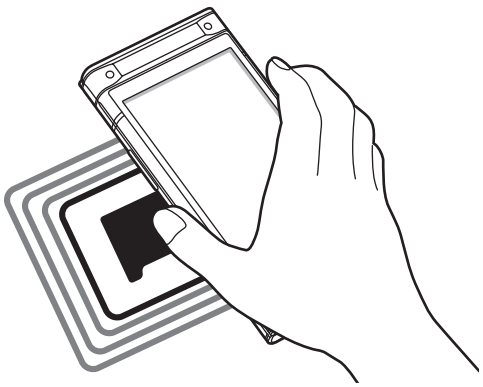
Reading information from NFC tags

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.

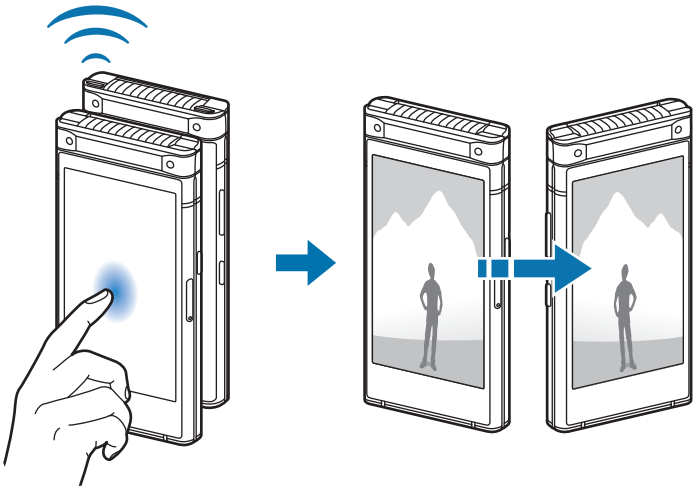
1 On the Settings screen, tap **Connections** → **NFC and payment** and tap the switch to activate it.

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 or USIM cards and customise the SIM card settings. Refer to Using dual SIM or USIM cards for more information.

On the Settings screen, tap **Connections** → **SIM card manager**.

- **Calls**: Select a SIM or USIM card for voice calls.
- **Text messages**: Select a SIM or USIM for messaging.
- **Mobile data**: Select a SIM or USIM card for data services.
- **NFC payment services**: Select a SIM or USIM for NFC payment services.
- **Confirm SIM card for calls**: Set the device to display the SIM or USIM card selection pop-up window when returning a call or calling from a message. The pop-up window will appear only if the SIM or USIM card used for the previous call or message is different from your preferred SIM or USIM card.
- **Dual SIM always on**: Set the device to allow incoming calls from the other SIM or USIM card during a call.

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 and connect to virtual private networks (VPNs).
- **Ethernet**: The Ethernet option is available when an Ethernet adaptor is connected to the device. Use this option to activate the Ethernet feature 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

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 settings for each app.
- **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.
- **Folder open/close sounds**: Set the device to sound when you open or close the device.
- **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.
- **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.

Notifications

Change the notification settings for each app.

On the Settings screen, tap **Notifications**.

To customise notification settings, tap **ADVANCED** and select an app.

- **Allow notifications**: Allow notifications from the selected app.
- **Show silently**: Set the device to mute notification sounds and hide notification previews.
- **On lock screen**: Show or hide notifications from the selected app when the device is locked.
- **Set as priority**: Display notifications at the top of the notification panel and include them in the allowed list when **Do not disturb** is activated.

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.
- **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.
- **Screen zoom and font**: Change the screen zoom setting or font size and style.
- **Home screen**: Change the size of the grid to display more or fewer items on the Home screen and more.
- **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.
- **Status bar**: Customise the settings for displaying notifications or indicators on the status bar.
- **Screen timeout**: Set the length of time the device waits before turning off the display's backlight.
- **Screensaver**: Set the device to launch a screensaver when the device is charging. Refer to Screensaver for more information.
- **Outer screen auto lock**: Set the device to lock the external touchscreen automatically when the device is closed.
- **Night-time keyboard mode**: Set the device to turn on the keypad backlight automatically during night time.
- **Keyboard backlight duration**: Set the duration for the keypad backlight.

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 colour 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.

Screensaver

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** → **Screensaver** 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, press the Back key.

To preview the selected option, tap **PREVIEW**.

When you tap the screen while your screensaver is displayed, the screen will turn on.

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.

Premium watch

Set the device to show an analogue clock on the external touchscreen when you close the device. You can also change the settings for the clock.

On the Settings screen, tap **Premium watch**.

- **Watch style**: Change the clock type.
- **Signature**: Set the device to display a phrase on the clock and edit it.
- **Sound**: Set the device to sound when displaying the clock.

Advanced features

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.
- **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 Home key twice quickly.
- **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.

- **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 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.
- **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.

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**.

Lock screen and security

Options

Change the settings for securing the device and the SIM or USIM card.

On the Settings screen, tap **Lock screen and security**.

The available options may vary depending on the screen lock method selected.

- **Screen lock type**: Change the screen lock method.
- **Face Recognition**: Set the device to unlock the screen by recognising your face. Refer to Face recognition for more information.
- **Fingerprint Scanner**: Register your fingerprint to the device to secure the device or sign in to your Samsung account. Refer to Fingerprint recognition for more information.
- **Iris Scanner**: Register your irises to the device to secure the device or sign in to your Samsung account. Refer to Iris recognition for more information.
- **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.
- **Always On Display**: Set the device to display an image or information while the screen is turned off. Refer to Always On Display for more information.
- **Information and FaceWidgets**: Change the settings of the items displayed on the Always On Display or the locked screen.
- **Notifications**: Set whether or not to show notifications on the Always On Display or the lock screen and select which notifications to display.
- **App shortcuts**: Select apps to display shortcuts to them on the locked screen.

- **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.
- **Unknown sources**: 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.

- Your device could be unlocked by someone or something that looks like your image.
- Face recognition is less secure than Pattern, PIN, or Password.
- 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
- If you use your face as a screen lock method, your face cannot be used to unlock the screen when turning on the device. To use the device, you must unlock the screen using a pattern, PIN, or password you set when registering the face. Be careful not to forget your pattern, PIN, or password.

Registering your face

For better face registration, register your face indoors and out of direct sunlight.

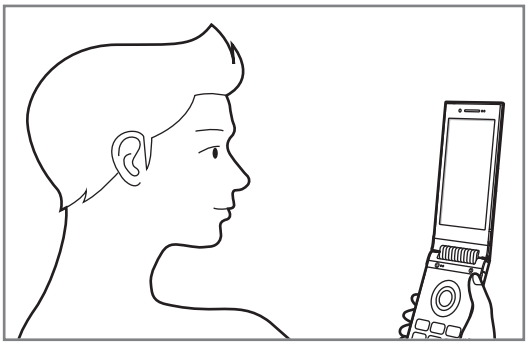
1 On the Settings screen, tap **Lock screen and security** → **Face Recognition**.

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 lock 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.

Unlocking the screen with face recognition

You can unlock the screen with your face instead of using a pattern, PIN, or password.

1 On the Settings screen, tap **Lock screen 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:

- Samsung account verification
- Web sign-in
- 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 when turning on the device. To use the device, you must unlock the screen using a 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.

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 area with protective films, stickers, or other accessories may decrease the fingerprint recognition rate. If the fingerprint recognition area is initially covered with a protective film, remove it before using the fingerprint recognition sensor.
- Ensure that the fingerprint recognition area 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.

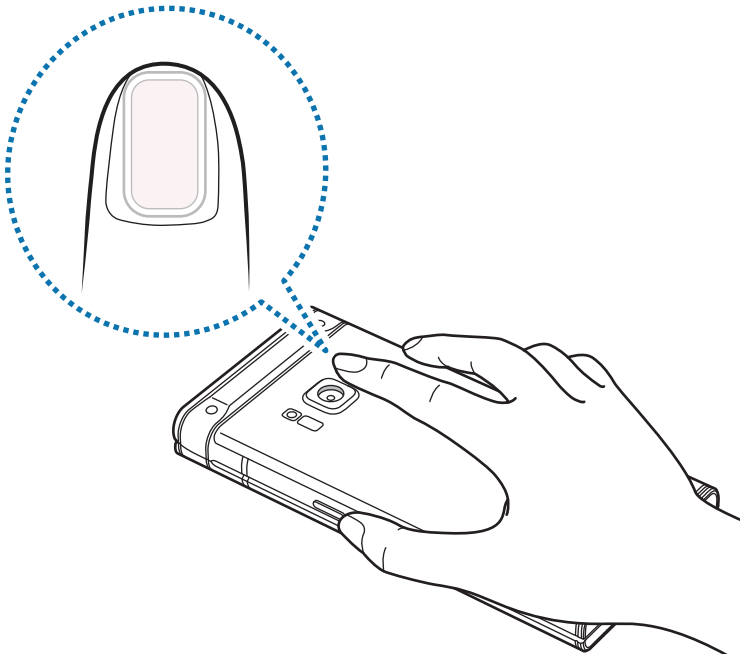
Registering fingerprints

1 On the Settings screen, tap **Lock screen 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, lift it up and place it 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 fingerprints

You can delete registered fingerprints.

1 On the Settings screen, tap **Lock screen 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**.

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 **Lock screen 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 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 **Lock screen 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 biometrics next time** and tap **REMEMBER**.

You can use your fingerprint to verify your account and password to sign in to the webpage.

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 fingerprints

You can unlock the screen with your fingerprint instead of using a pattern, PIN, or password.

1 On the Settings screen, tap **Lock screen 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.

Iris recognition

The iris recognition feature uses the unique characteristics of your irises, such as their shape and pattern, to strengthen the security of your device. Your iris data can be used for various authentication purposes. After registering your irises, you can set the device to use your irises for the following features:

- Samsung account verification
- Web sign-in
- Samsung Pay
- Screen lock
- Secure Folder

- If you use your iris as a screen lock method, your irises cannot be used to unlock the screen when turning on the device. To use the device, you must unlock the screen using a pattern, PIN, or password you set when registering the irises. Be careful not to forget your pattern, PIN, or password.
- If your irises are not recognised, unlock the device using the pattern, PIN, or password you set when registering the irises, and then re-register your irises. 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.

Precautions for using iris recognition

Before using the iris recognition camera and LED, keep the following precautions in mind.

- To protect your eyes, keep the screen at least 20 cm away from your face when using iris recognition.
- Do not attach unofficial screen protectors (privacy protection films, tempered glass protectors, etc.) to your device. The iris recognition LED may not turn off even when you are very close to it.
- Do not use iris recognition with infants. Doing so may damage their eyesight.
- Anyone who experiences dizziness, seizures, loss of awareness, blackouts, or other symptoms linked to an epileptic condition, or a family history of such symptoms or conditions, should see a doctor before using iris recognition.
- The iris scanner is not intended for use as a medical device; biometric data collected and stored locally by the iris scanner is not intended for any diagnostic, therapeutic, or preventative medical purposes.

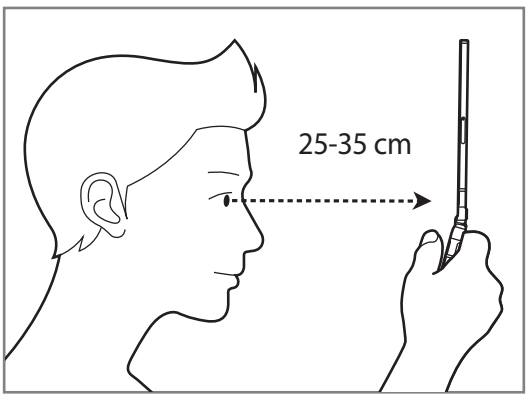
Alternative security options are available on your device. Please follow all the instructions for the use of this feature.

For better iris recognition

The phone may not recognise your irises if:

- something prevents the camera from getting a good view of your irises (e.g. glasses, glare, low eyelids, recent eye surgery, or a medical condition).
- something gets in the way of the camera or the LED (e.g. a screen protector, dirt, damage to the camera).
- the lighting is very different from when you recorded your irises (e.g., too bright room).
- the phone is tilted too much or is moving.

Hold your device about 25-35 cm away from your face with the screen facing towards you.



Registering irises

The device can save the iris data of one person only. You cannot register more than one set of irises.

1 On the Settings screen, tap **Lock screen and security** → **Iris Scanner**.

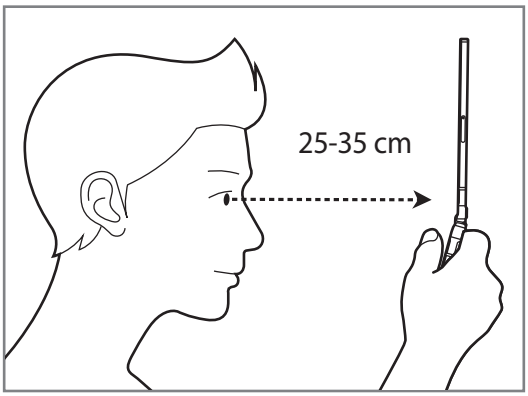
2 Unlock the screen using the preset screen lock method.

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

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

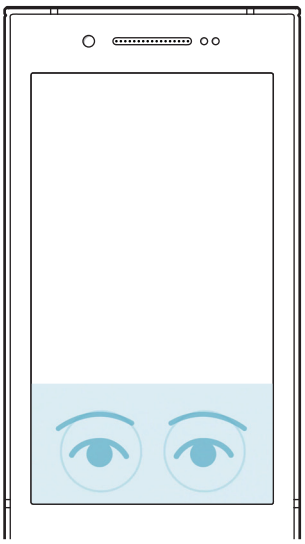
To register only one iris of your eyes, tap **Register just 1 iris**.

4 Hold the device with the screen facing towards you and look at the screen.



5 Position your eyes inside the circles on the screen and open your eyes wide.

The iris recognition camera will scan your irises.



6 When an iris lock screen appears, tap **TURN ON** to use your irises to unlock the screen.

When you swipe in any direction on the locked screen, the iris recognition screen will appear. Look at the screen to scan your irises.

Deleting irises

You can delete the registered irises.

1 On the Settings screen, tap **Lock screen and security** → **Iris Scanner**.

2 Unlock the screen using the preset screen lock method.

3 Tap **Remove iris data**.

Once the registered irises are deleted, all the related features will also be deactivated.

Verifying the Samsung account password

Use your irises to verify your Samsung account password. You can use your irises instead of entering your password, for example, when you purchase content from **Galaxy Apps**.

1 On the Settings screen, tap **Lock screen and security** → **Iris 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 irises to sign in to accounts

You can use your irises 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 **Lock screen and security** → **Iris 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 your irises.

5 Enter your user name and password, and then tap the webpage's sign in button.

6 Tick **Sign in using biometrics next time** and tap **REMEMBER**.

You can use your irises to verify your account and password to sign in to the webpage.

Using irises with Samsung Pay

You can use irises with Samsung Pay to make payments quickly and securely. Refer to Samsung Pay for more information.

Unlocking the screen with irises

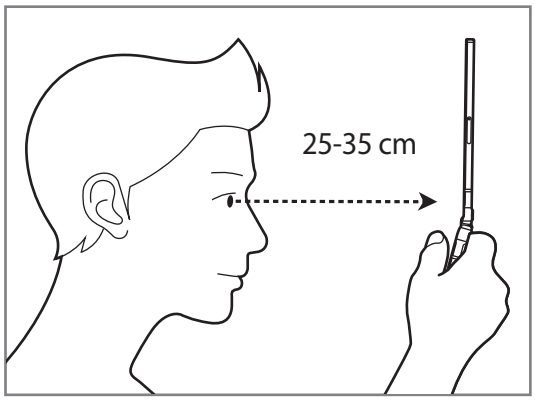
You can unlock the screen with your irises instead of using a pattern, PIN, or password.

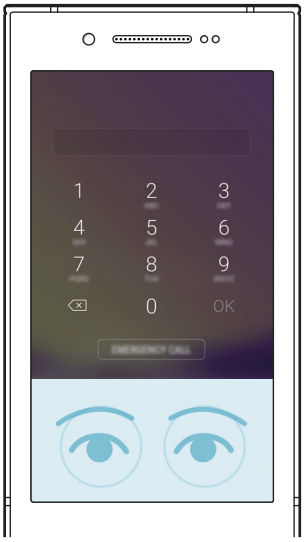
1 On the Settings screen, tap **Lock screen and security** → **Iris Scanner**.

2 Unlock the screen using the preset screen lock method.

3 Tap the **Iris unlock** switch to activate it.

4 On the locked screen, swipe in any direction and position your eyes inside the circles on the screen to scan your irises.





To unlock the screen using iris recognition, without swiping on the locked screen, tap **Iris unlock when screen turns on** switch to activate it.

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.

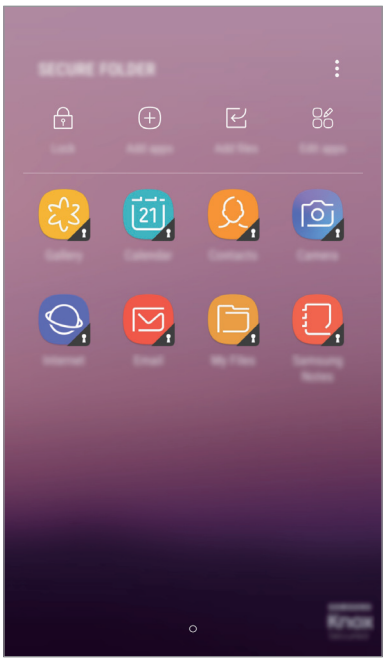
1 On the Settings screen, tap **Lock screen and security** → **Smart Lock**.

2 Unlock the screen using the preset screen lock method.

3 Select an option and follow the on-screen instructions to complete the setting.

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 **Lock screen 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 **Secure Folder** → ⋮ → **Customise 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.