

Zooming in and out

Spread two fingers apart on the screen to zoom in, and pinch to zoom out.

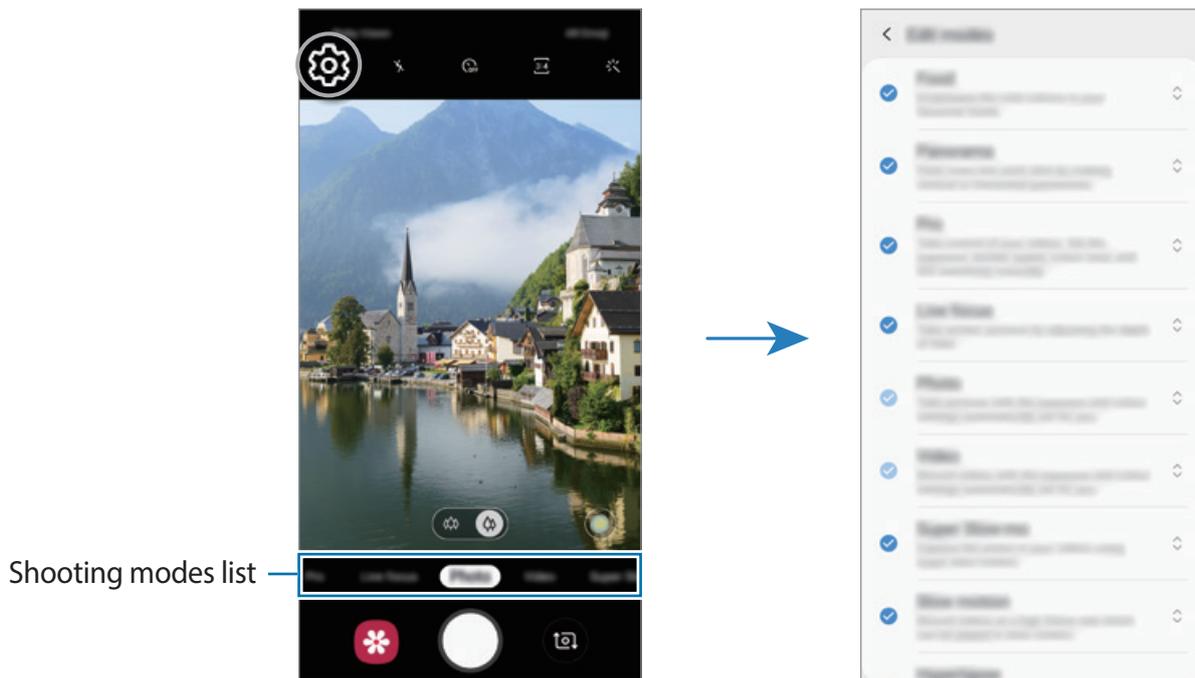


Zooming features are available only when using the rear camera.

Editing the shooting modes list

You can edit the shooting modes list on the preview screen.

- 1 On the preview screen, tap  → **Camera modes** → **Edit modes**.
Alternatively, tap and hold the shooting modes list on the preview screen.
- 2 Tick modes to use.
To change the order of shooting modes, drag  to another location.



Setting the camera button action

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

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

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



The **Take burst shot** and **Create GIF** features are available only in some shooting modes.

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.



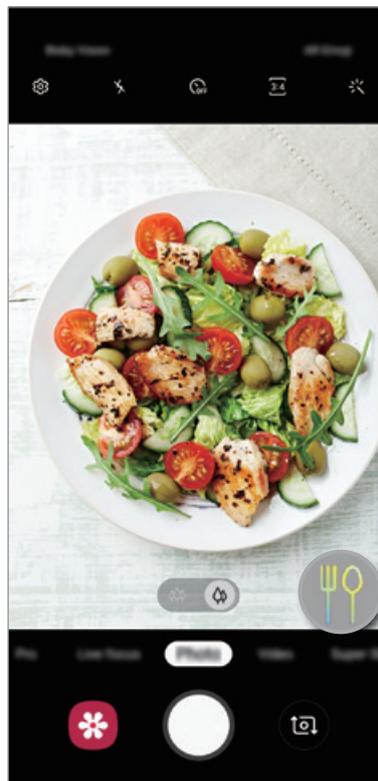
This feature is available only in **Photo** or **Pro** modes.

Intelligent camera

Scene optimizer

Your device will adjust the colour settings automatically after recognizing a subject or scene, such as people, food, or night scene.

On the shooting modes list, tap **Photo**. When the camera recognizes the subject or scene, the scene optimizer button will change and the optimized colour will be applied.



Super Slow-mo

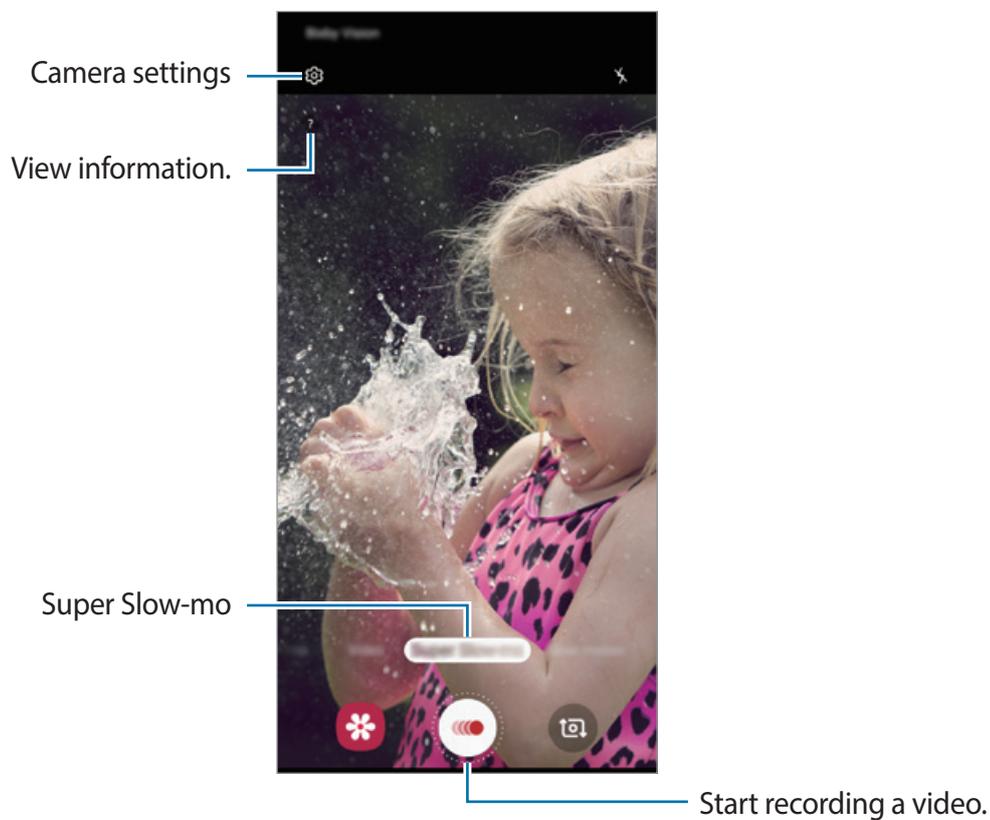
Super slow motion is a feature that records a quickly passing moment slowly so that you can appreciate it later. After the video is recorded, background music will be added automatically.



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

Recording super slow motion videos

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



- 2 Tap .

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

Playing super slow motion videos

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

Random background music will automatically accompany the video during playback.

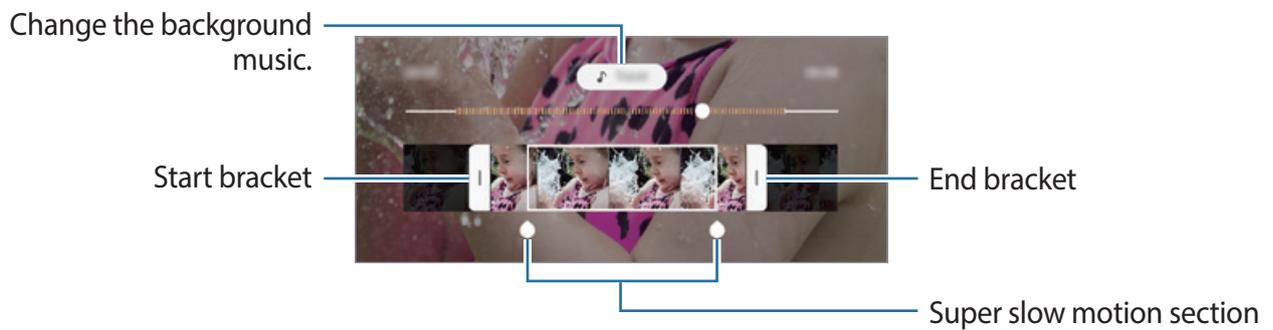
To capture an image while playing a video, tap .

Editing super slow motion videos

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

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

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



Live focus

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

Taking portraits that stand out using the Live focus feature

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



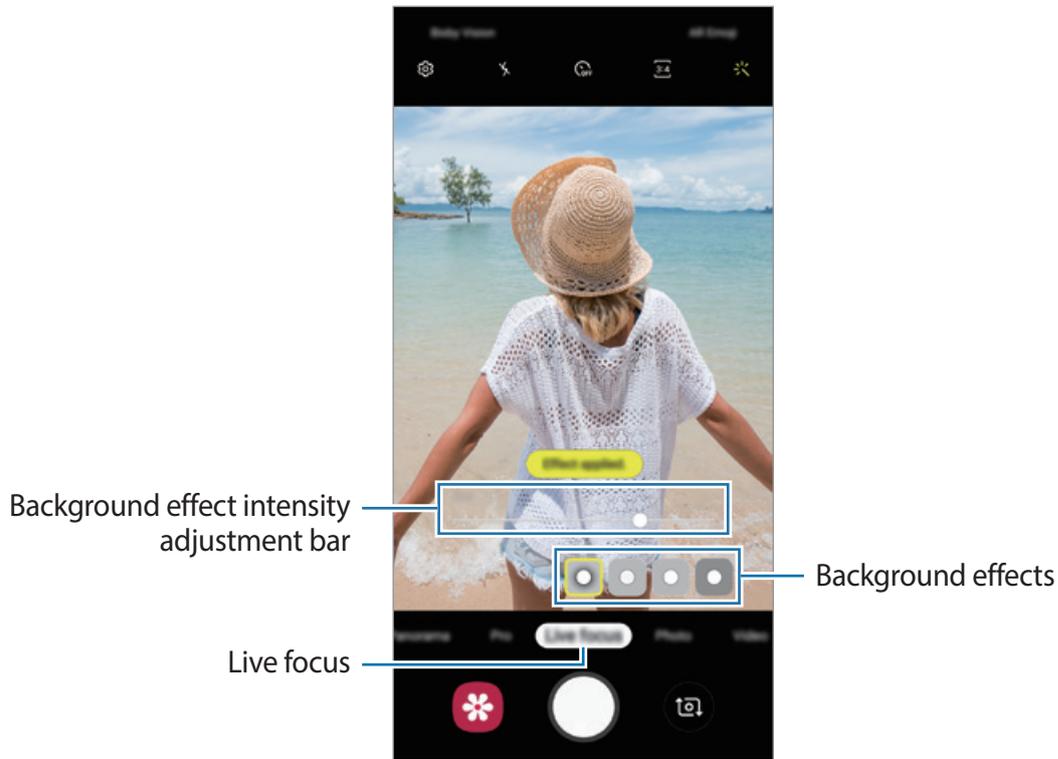
- Use this feature in a place that has sufficient light.
- The background blur may not be applied properly in the following conditions:
 - The device or the subject is moving.
 - The subject is thin or transparent.
 - The subject has a similar colour or pattern to the background.
 - The subject or background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

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

2 Select a background effect you want.

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

3 When **Effect applied.** appears on the preview screen, tap  to take a photo.



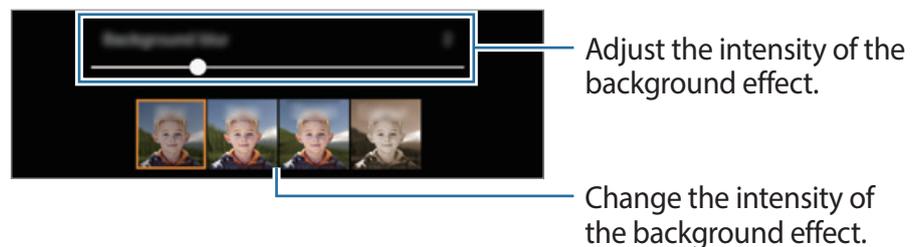
Editing the background of the Live Focus photos

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

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

2 Select a background effect you want.

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



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

Using shooting modes

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

Select a shooting mode you want.

Photo mode

The camera adjusts the shooting options automatically based on the surroundings to capture photos easily.

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

To take self-portraits with the front camera, swipe upwards or downwards, or tap  to switch to the front camera.

Applying beauty effects

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

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

Video mode

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

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

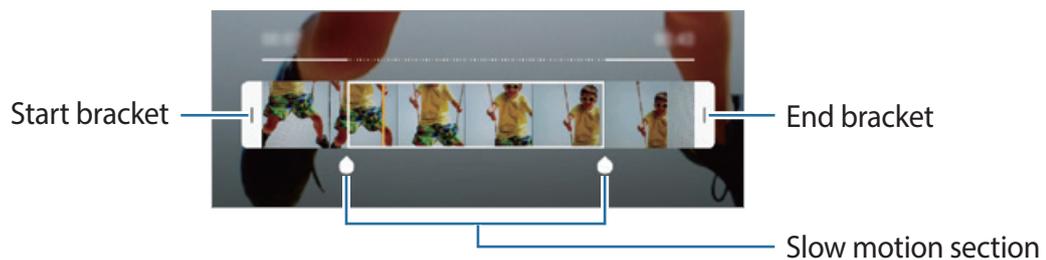
Slow motion mode

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

- 1 On the shooting modes list, tap **Slow motion**.
- 2 Tap  to start recording.
- 3 When you are finished recording, tap  to stop.
- 4 On the preview screen, tap the preview thumbnail.
- 5 Tap **Play slow motion video**.

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

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



Hyperlapse mode

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

- 1 On the shooting modes list, tap **Hyperlapse**.
- 2 Tap  and select a frame rate option.
If you set the frame rate to **Auto**, the device will automatically adjust the frame rate according to the changing rate of the scene.
- 3 Tap  to start recording.

4 Tap  to finish recording.

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

Pro mode

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

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

Available options

-  : Change the exposure value. This determines how much light the camera's sensor receives. If the image is too dark, increase the exposure. If the image is too light, reduce the exposure.
-  : Select an appropriate white balance, so images have a true-to-life colour range. You can set the colour temperature.
-  : 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.

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.

Food mode

Take photos of food with more vibrant colours and a blurred background.

- 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.

Customizing camera settings

Options for current shooting mode

On the preview screen, use the following options.



The available options may vary depending on the shooting mode.

- : Activate or deactivate the flash.
- : Select the length of the delay before the camera automatically takes a photo.
- : Apply beauty effects or a filter effect.
- : Select a frame rate.
-  / : Select an aspect ratio for videos.
- : 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.
- : In **Food** mode, focus on a subject inside the circular frame and blur the image outside the frame.
- : In **Food** mode, adjust the colour tone.

Camera settings

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

Intelligent features

- **Scene optimizer**: Set the device to adjust the colour settings automatically depending on the subject or scene.

Pictures

- **Hold Shutter button to**: Select an action to perform when you tap and hold the camera button.
- **Save options**: Select how you want to save photos.

Videos

- **Rear video size:** Select a resolution for videos you want to take with the rear camera. Using a higher resolution will result in higher quality videos, but they will take up more memory.
- **Front video size:** Select a resolution for videos you want to take with the front camera. Using a higher resolution will result in higher quality videos, but they will take up more memory.
- **High efficiency video:** Record videos in the High Efficiency Video Codec (HEVC) format. Your HEVC videos will be saved as compressed files to conserve the device's storage.



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

Useful features

- **HDR (rich tone):** Take photos with rich colours and reproduce details even in bright and dark areas.
- **Grid lines:** Display viewfinder guides to help composition when selecting subjects.
- **Location tags:** Attach a GPS location tag to the 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.

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



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

- **Watermark:** Add a watermark in the bottom left corner when taking pictures.
- **Reset settings:** Reset the camera settings.
- **Contact us:** Ask questions or view frequently asked questions. Refer to [Samsung Members](#) for more information.
- **About Camera:** View the Camera app version and legal information.

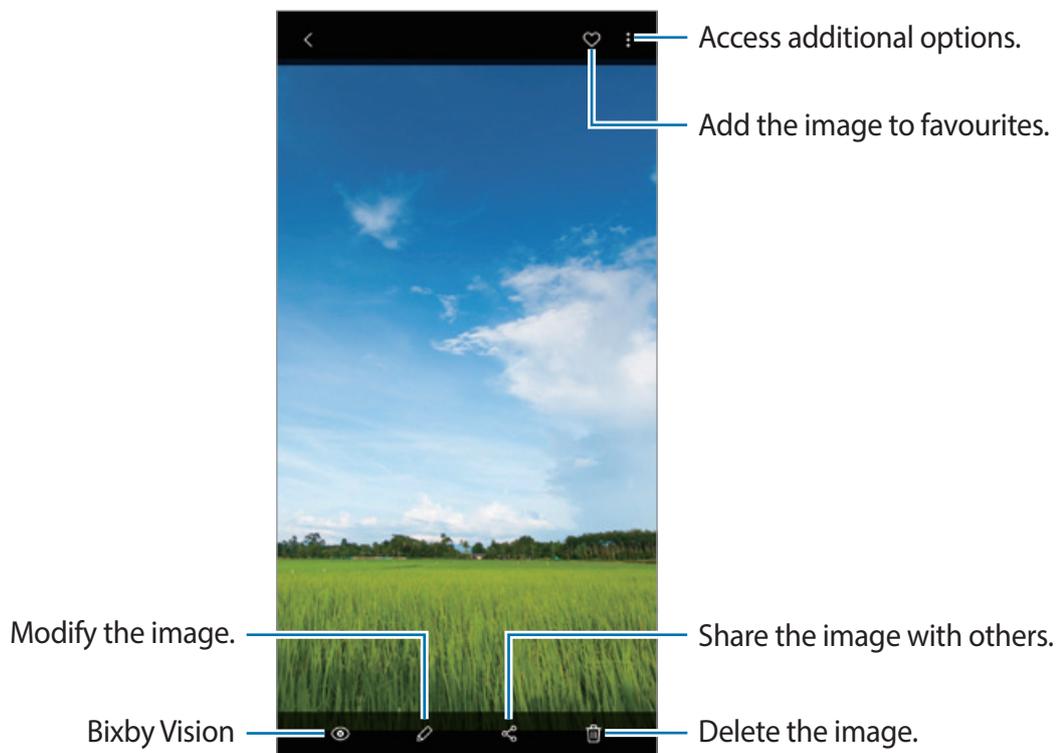
Gallery

Introduction

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

Viewing images

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



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

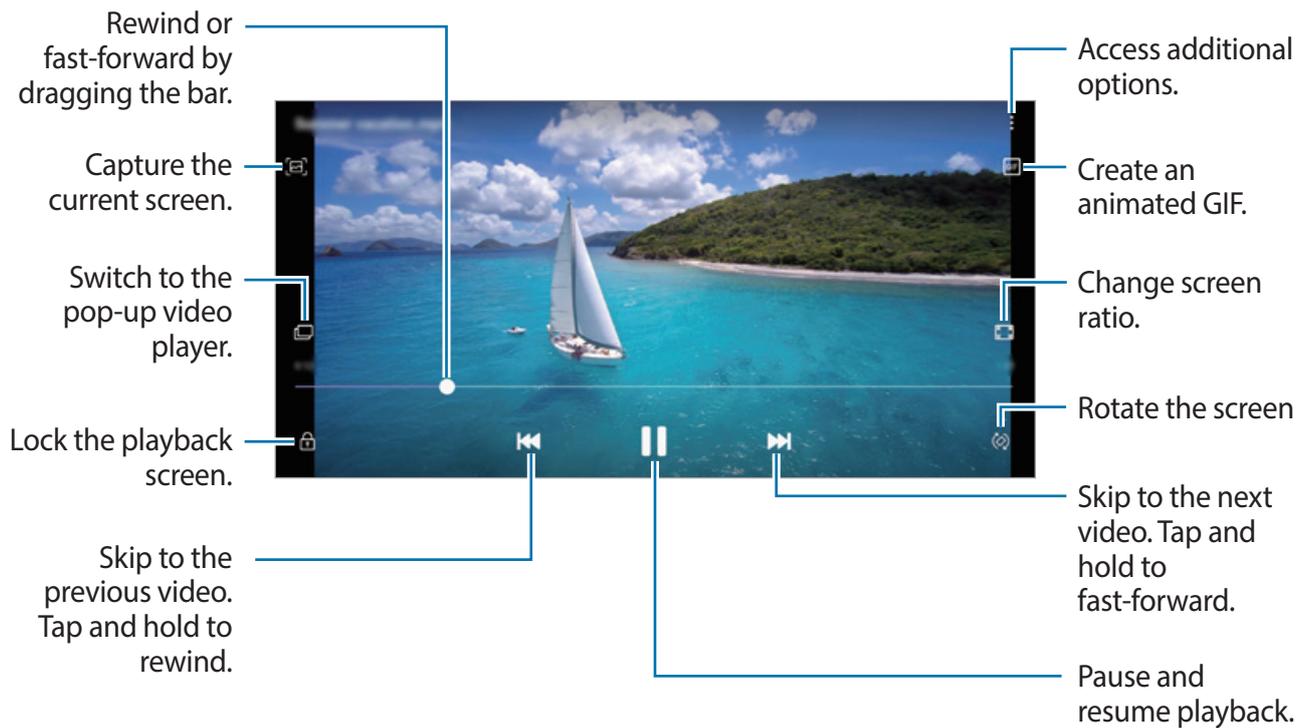
Searching for images

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

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

Viewing videos

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



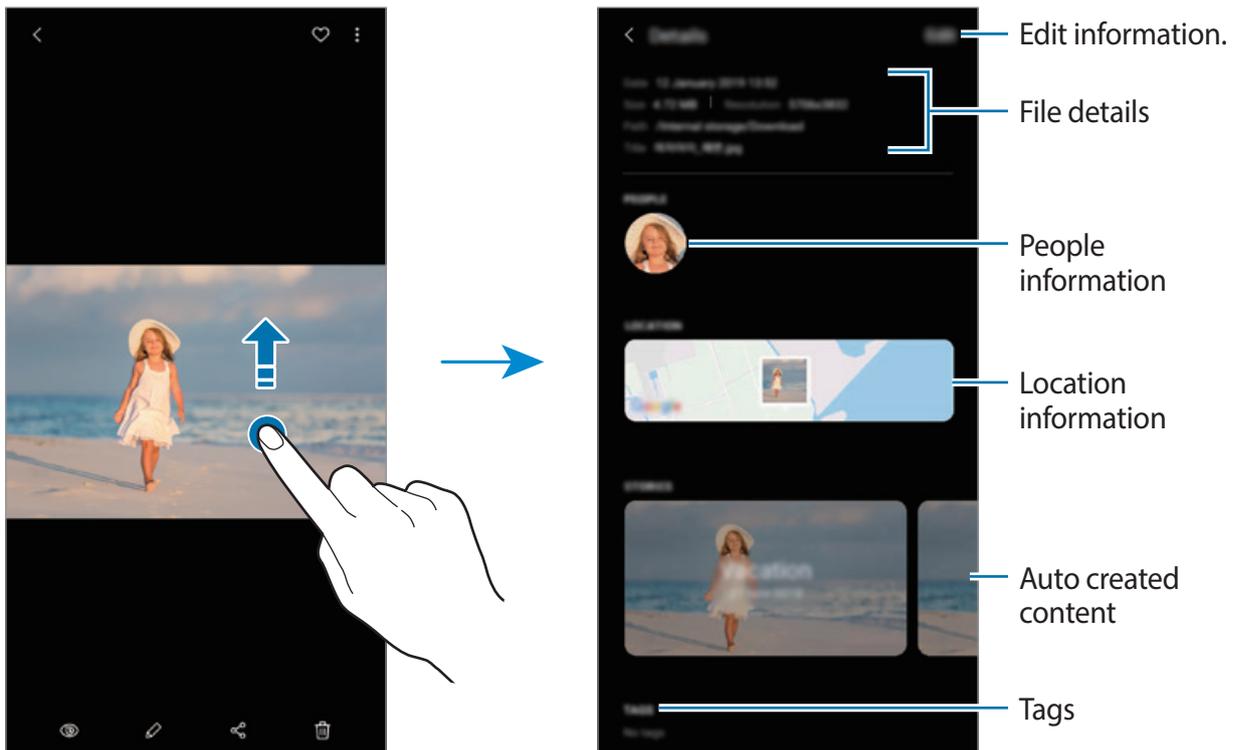
Drag your finger up or down on the left side of the playback screen to adjust the brightness, or drag your finger up or down on the right side of the playback screen to adjust the volume. To rewind or fast-forward, swipe to the left or right on the playback screen.

Viewing the details of images and videos

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

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

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



Viewing albums

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

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

Hiding albums

You can hide albums.



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

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

Viewing stories

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

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

Creating stories

Create stories with various themes.

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

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

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

Deleting stories

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

Sharing albums

Create albums and share them with your family and friends saved in your contacts. They can view shared albums on devices signed in to their Samsung account, such as smartphones, TVs, or refrigerators.



- To use this feature, your phone number must be verified.
- To use this feature, you must register and sign in to your Samsung account.
- You may incur additional charges when sharing files via the mobile network.

Creating albums to share

- 1 Launch the **Gallery** app and tap **Shared**.
- 2 Tap **Create shared album**.
When using this feature for the first time, you must first agree to the terms and conditions of Samsung Social.
- 3 Enter a title for the album and tap **Create**.
- 4 Select a group to share with.
- 5 Tap **OK**.
The recipients will receive a notification.

Adding images or videos to an album

- 1 Launch the **Gallery** app and tap **Shared**.
- 2 Select an album to add images or videos.
- 3 Tap **+** and tick images or videos to add.
- 4 Tap **Done**.

Syncing images and videos with Samsung Cloud

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

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

Deleting images or videos

Deleting an image or a video

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

Deleting multiple images and videos

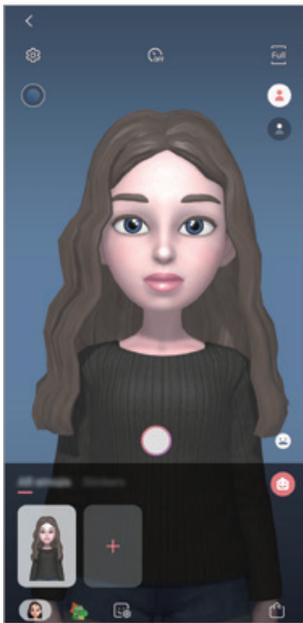
- 1 On the Gallery screen, tap and hold an image or a video to delete.
- 2 Tick the images or videos to delete.
- 3 Tap **Delete**.

AR Emoji

Introduction

Create a My Emoji that looks just like you, and take photos and record videos using My Emojis, character Emojis, or stickers.

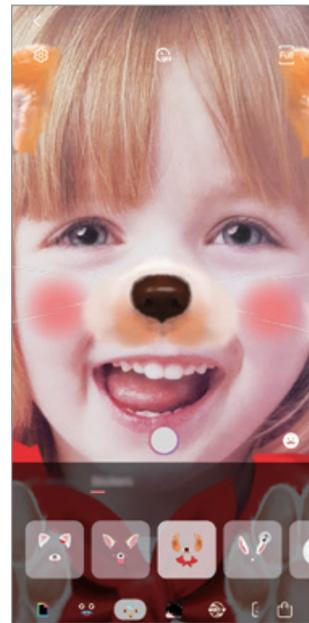
You can customize My Emoji's features, such as the face shape or hairstyle, and decorate My Emoji with various accessories. You can also express yourself in fun ways using My Emoji stickers during a conversation.



My Emojis



Character Emojis



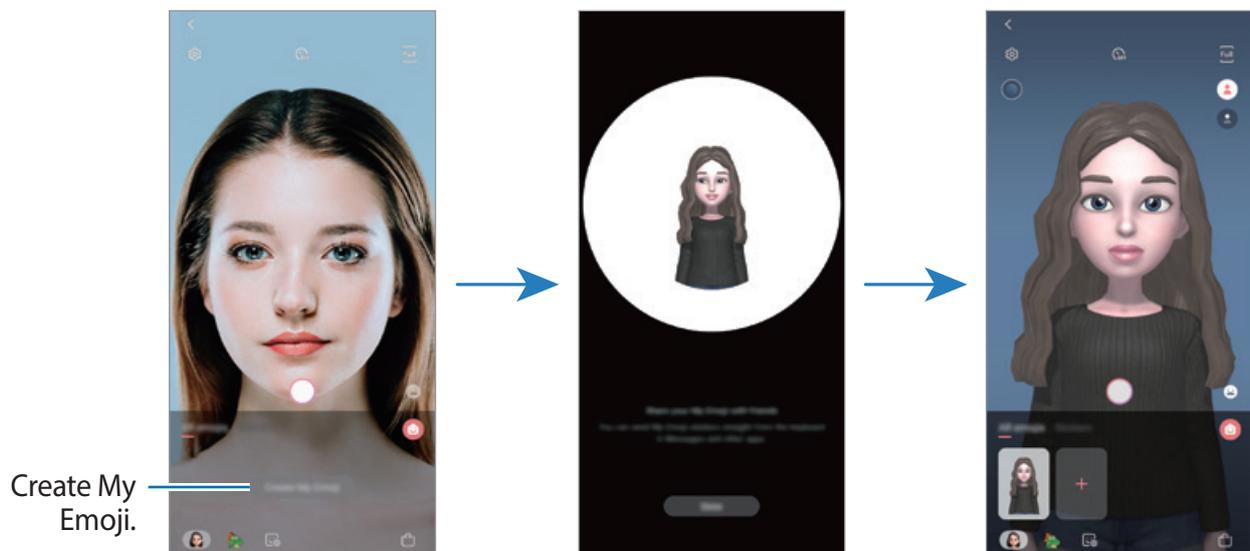
Stickers

Creating My Emoji

Make a My Emoji that looks like you. My Emoji stickers with various expressions will be automatically generated.

- 1 Launch the **Camera** app and tap **AR Emoji** → **Create My Emoji**.
- 2 Align your face on the screen and tap  to take a photo.
- 3 Select My Emoji's gender and tap **Next**.
- 4 Decorate a My Emoji and tap **Next**.
- 5 Tap **Done**.

The My Emoji and My Emoji stickers are now created. You can view My Emoji stickers on the My Emoji home screen. Refer to [My Emoji stickers](#) for more information.



You can use the **AR Emoji** feature in both the front and rear cameras. If you are using the rear camera, it will automatically switch to the front camera. To switch between cameras, swipe upwards or downwards on the preview screen.

Deleting My Emoji

Launch the **Camera** app and tap **AR Emoji**. Tap and hold the My Emoji that you want to delete and tap . The My Emoji and My Emoji stickers will be deleted.

Customizing My Emoji

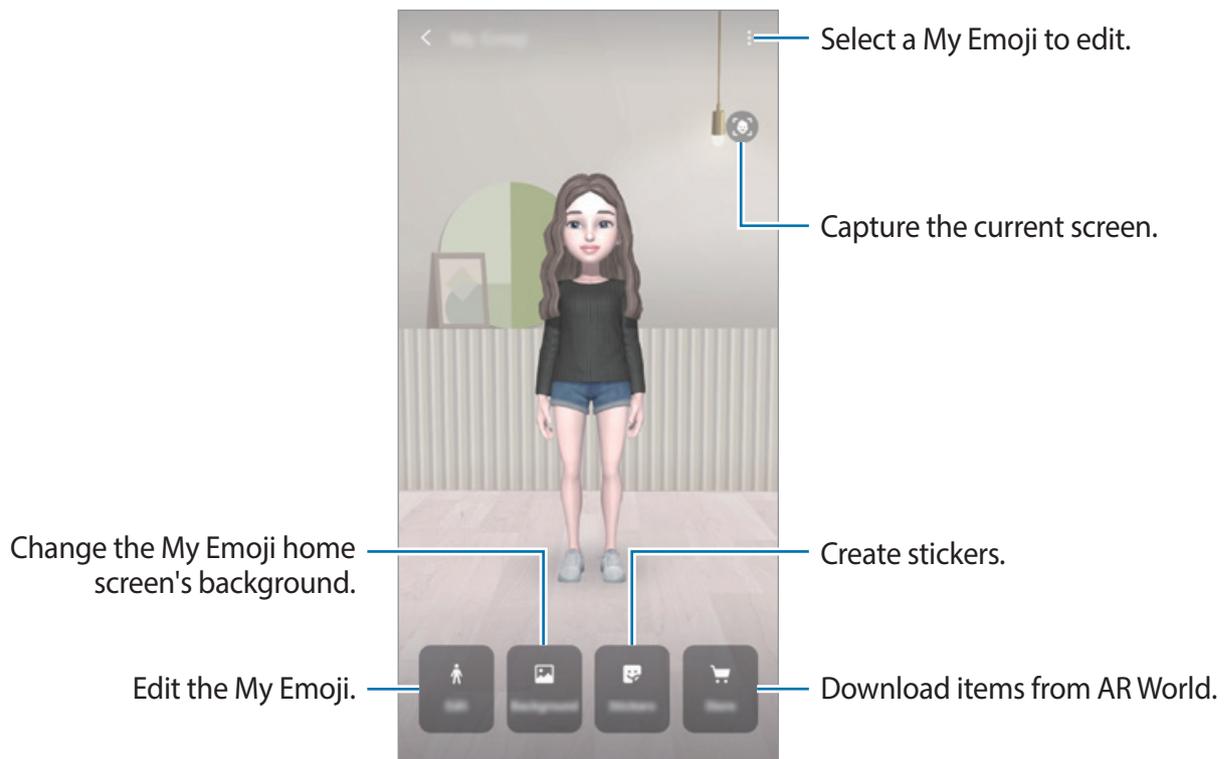
Edit or decorate a My Emoji on the My Emoji home screen after downloading various items from AR World. You can also add My Emoji stickers.



Available options may vary depending on the region or service provider.

My Emoji home screen

Launch the **Camera** app and tap **AR Emoji** → . My Emoji home screen will appear.



Editing My Emoji

Edit a My Emoji or change the background of the My Emoji home screen.

On the My Emoji home screen, tap **Edit** or **Background**.

Downloading items from AR World

Decorate a My Emoji after downloading items, such as clothes or accessories, from AR World.

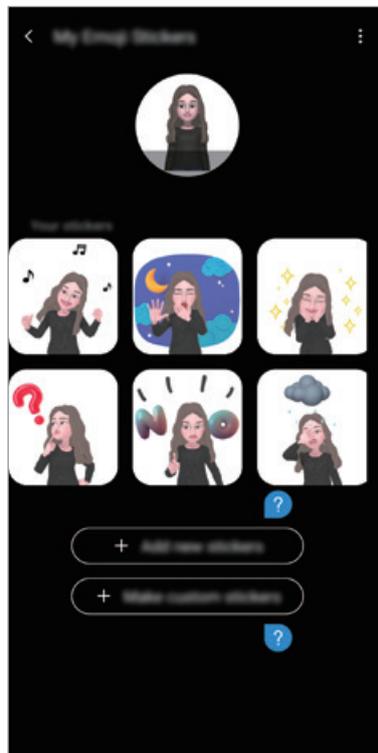
On the My Emoji home screen, tap **Store** and download the items you want. You can view the downloaded items on the My Emoji editing screen.

My Emoji stickers

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

Viewing My Emoji stickers

On the My Emoji home screen, tap **Stickers**. Then, you can view My Emoji stickers.



Adding stickers

On the My Emoji home screen, tap **Stickers** → **Add new stickers**, tick the stickers you want, and then tap **Add**. The sticker will be added and you can use it during a conversation via messages or on a social network.

Creating your own stickers

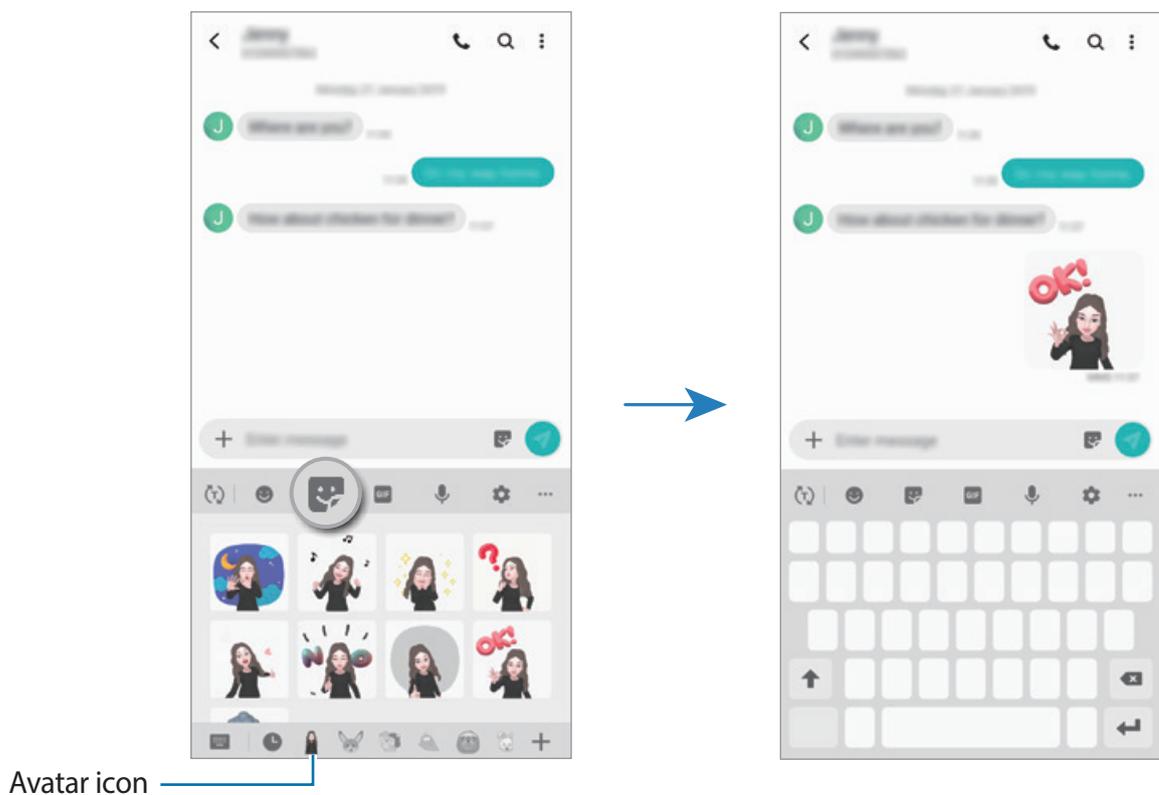
Create My Emoji stickers how you want.

- 1 On the My Emoji home screen, tap **Stickers** → **Make custom stickers**.
- 2 Edit stickers how you want.
 -  : Select an expression.
 -  : Select an action.
 -  : Add stickers.
 -  : Enter text.
 -  : Select the sticker's background.
- 3 Tap **Save**.

Using My Emoji stickers in chats

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

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



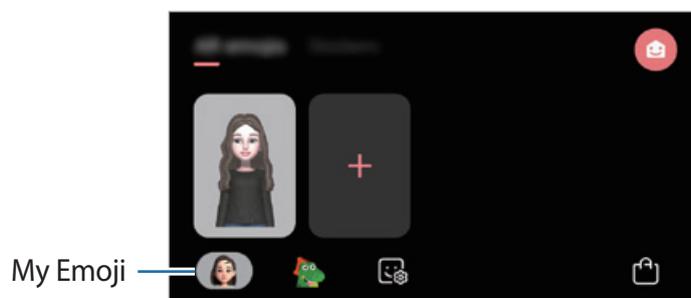
Deleting My Emoji stickers

On the Samsung keyboard, tap  and tap  at the bottom of the keyboard. Select the My Emoji stickers you want to delete and tap **Delete**.

Capturing photos or videos with My Emoji

Create fun photos or videos with My Emoji using various shooting modes.

- 1 Launch the **Camera** app and tap **AR Emoji**.
- 2 Select a My Emoji you want to use.



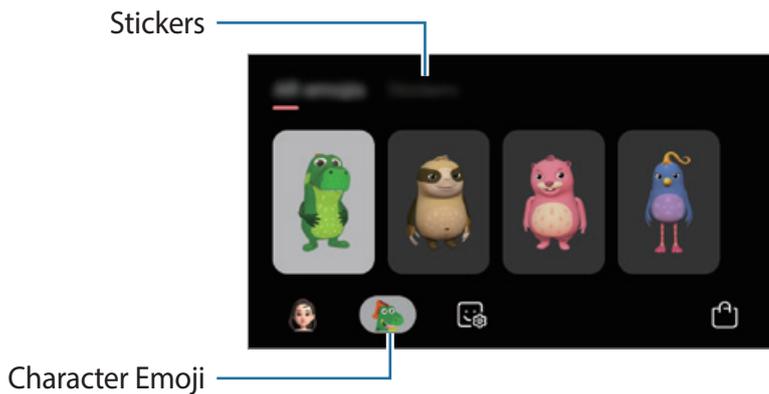
- 3 Select the mode you want to use.
 - **(Basic)**: My Emoji mimics your expressions.
 - **(Mask)**: My Emoji's face appears over your face so it looks like you are wearing a mask.
- 4 Tap  to take a photo, or swipe to the left on the preview screen and tap  to record a video.

You can view and share the photos and videos that you have captured in **Gallery**.

Capturing videos with character Emojis or stickers

Character Emojis mimic your expressions. You can also apply sticker effects that follow your face.

- 1 Launch the **Camera** app and tap **AR Emoji**.
- 2 Select a character Emoji, or tap **Stickers** and select a sticker you want to use.



- 3 Tap  to take a photo, or swipe to the left on the preview screen and tap  to record a video.

You can view and share the photos and videos that you have captured in **Gallery**.

Always On Display

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

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



The brightness of the Always On Display may change automatically depending on the lighting conditions.

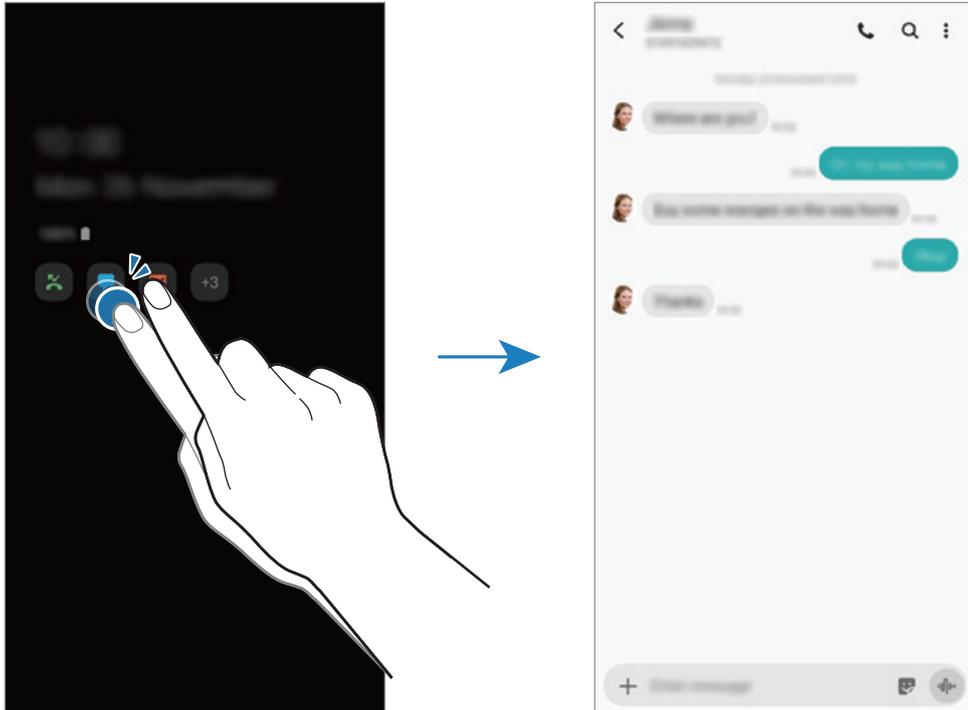
Setting how to display the Always On Display

You can select how to display the Always On Display. The Always On Display can be set to appear continuously or only appear when tapping the screen while it is turned off. Also, you can set the time to display the Always On Display.

Launch the **Settings** app, tap **Lock screen** → **Always On Display** → **Display mode**, and then select a mode you want.

Opening notifications on the Always On Display

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



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

Controlling music playback on the Always On Display

You can control music playback on the Always On Display.

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

Displaying an image to the Always On Display

You can display an image on the Always On Display. You can also display an animated GIF.

- 1 Launch the **Settings** app → **Lock screen** → **Clock style** → **Always On Display**.
- 2 Drag the types list to the left and select the type with an image on it.
- 3 Tap **+** and select an image.
To insert an animated GIF, tap **GIF** and select a file.
- 4 Tap **Done**.

Deactivating the Always On Display feature

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

Multi window

Introduction

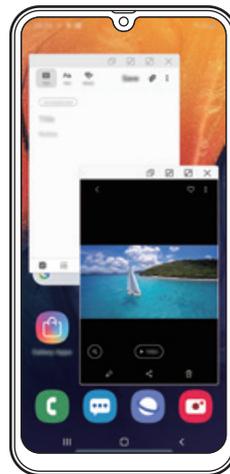
Multi window lets you run two apps at the same time in the split screen view. You can also run multiple apps at the same time in the pop-up view.



Some apps may not support this feature.



Split screen view



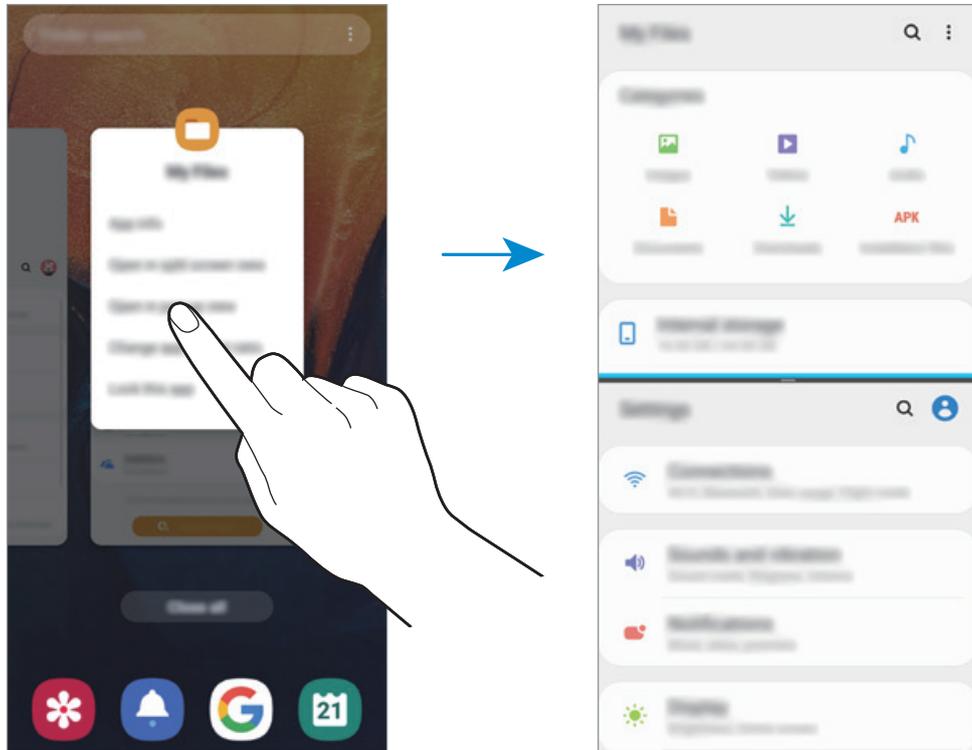
Pop-up view

Split screen view

- 1 Tap the Recents button to open the list of recently used apps.
- 2 Swipe to the left or right, tap an app's icon, and then tap **Open in split screen view**.
The selected app will launch in the upper window.

3 On the lower window, swipe left or right to select another app to launch.

To launch apps not on the list of recently used apps, tap the Home button or Back button and select an app.



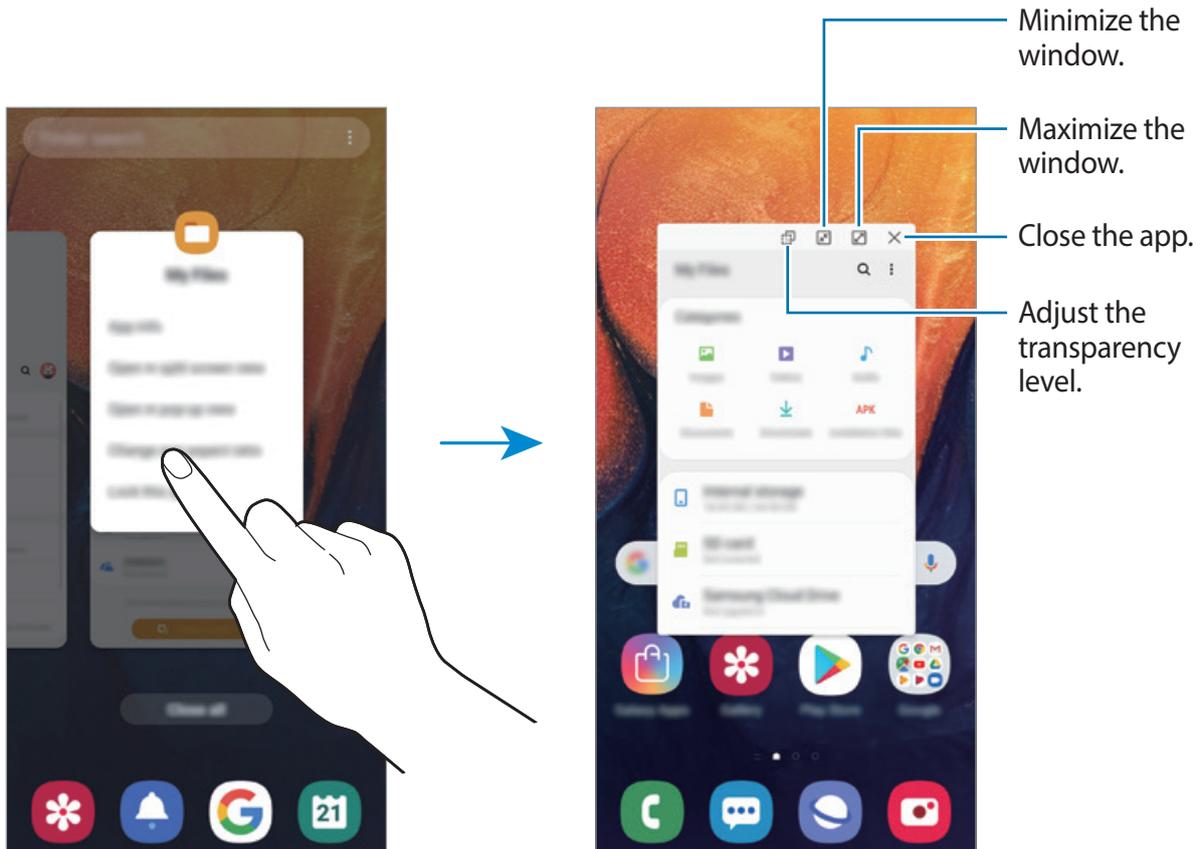
Adjusting the window size

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 maximized.

Pop-up view

- 1 Tap the Recents button to open the list of recently used apps.
- 2 Swipe to the left or right, tap an app's icon, and then tap **Open in pop-up view**.
The app screen will appear in the pop-up view.



Moving pop-up windows

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

Kids Home

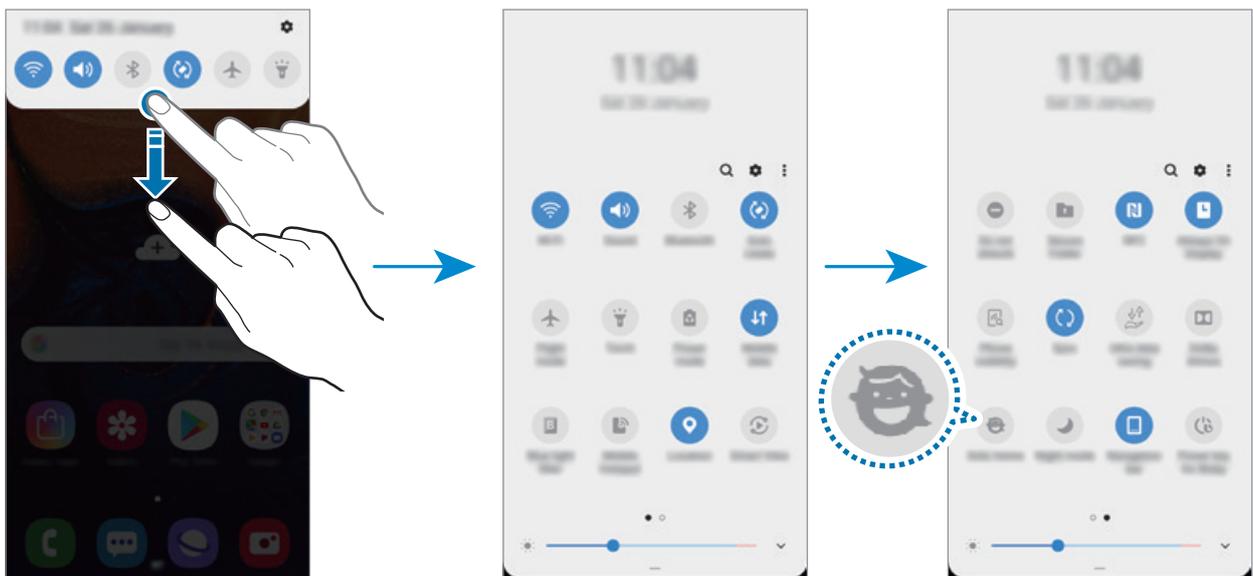
Introduction

You can restrict children's access to certain apps, set their usage times, and configure settings to provide a fun and safe environment for children when they use the device.

Starting Kids Home

When starting Kids Home for the first time or after performing a data reset, follow the on-screen instructions to complete the setup.

- 1 Open the notification panel, swipe downwards on the notification panel, and then tap  (**Kids Home**) to activate it.



- 2 Read the Kids Home intro page and tap **Next**.

3 Create a PIN to use when using Kids Home.

If you have already set the screen lock method on your device, you can use the same lock method for Kids Home.

The Kids Home screen will appear.

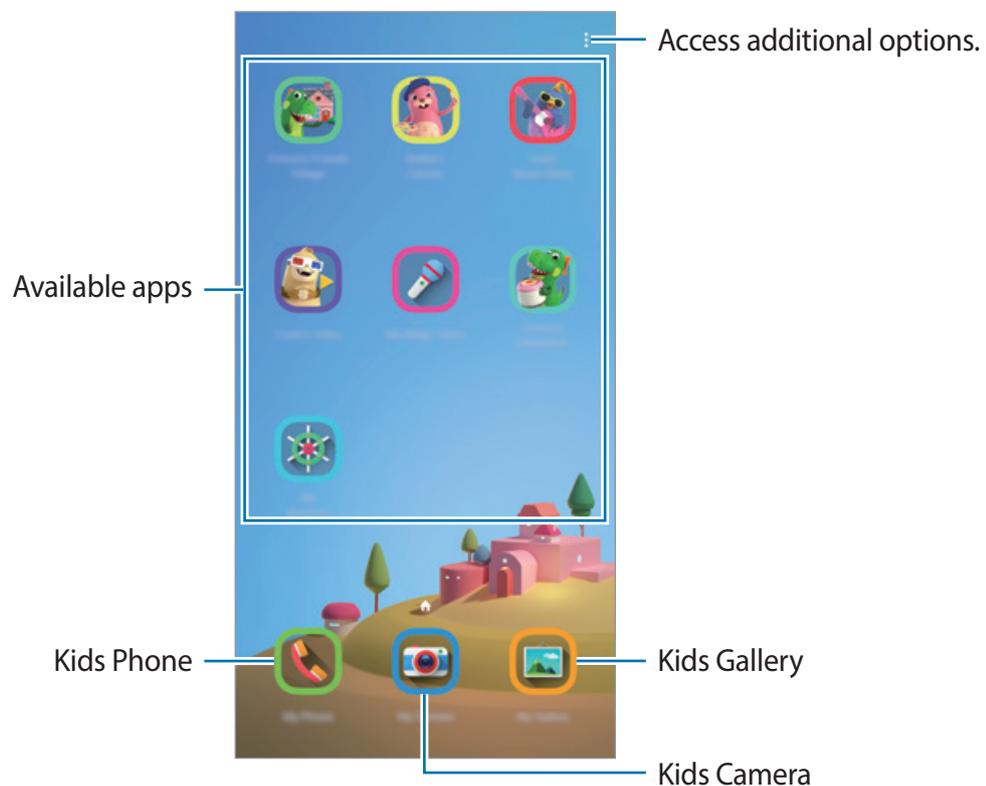


The created PIN will be used when activating the **Parental control** feature or closing Kids Home.

Using Kids Home

Open the notification panel, swipe downwards on the notification panel, and then tap  (**Kids Home**) to activate it.

The Kids Home screen will appear.



Configuring settings for Kids Home

On the Kids Home screen, tap  → **Parental control** and enter the PIN.

- **Kid's name:** Manage your child's profile.
- **Set daily playtime:** Restrict the usage time for Kids Home.

- **Daily usage:** View the daily usage time of Kids Home.
- **Activity:** View the activity history of Kids Home.
- **Frequently contacted:** View the frequently used contacts in Kids Home.
- **My kid's creations:** View the works created from the apps in Kids Home.
- **Allowed content:** Check the apps or content supported by Kids Home and add them.

Closing Kids Home

To close Kids Home, tap the Back button or tap  → **Close Kids Home**, and then enter your PIN.

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/samsung-pay.





- 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](#).
- To make payments with Samsung Pay, the device may require a connection to a Wi-Fi or mobile network, depending on the region.
- This app's availability and supported features may vary depending on the region or service provider.
- The procedures for the initial setup and card registration may vary depending on the region or service provider.
- Magnetic secure transmission (MST) may not be supported depending on the region.

Setting up Samsung Pay

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

- 1 Launch the **Samsung Pay** app.
- 2 Sign in to your Samsung account.
- 3 Read and agree to the terms and conditions.
- 4 Register your fingerprint to use when making payments.
- 5 Create a PIN to use when making payments.



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

Registering cards

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

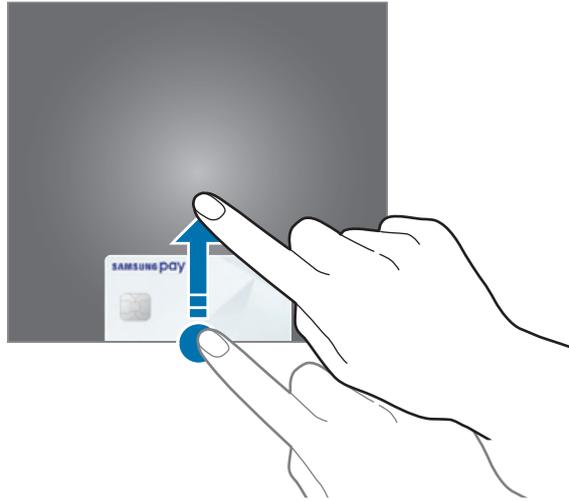


You can check the cards that support this feature from the Samsung Pay website (www.samsung.com/samsung-pay).

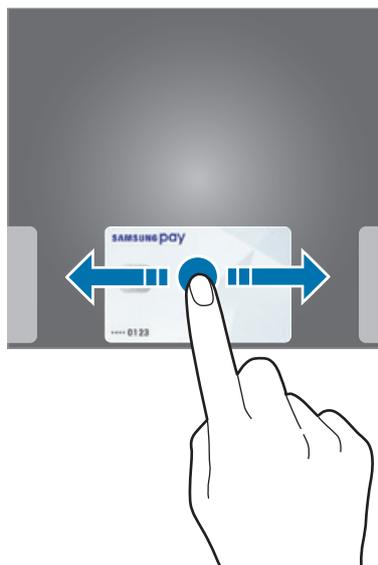
Launch the **Samsung Pay** app, tap **Add**, and then follow the on-screen instructions to complete your card registration.

Making payments

- 1 Tap and hold a card image at the bottom of the screen and drag it upwards.
Alternatively, launch the **Samsung Pay** app.



- 2 On the cards list, swipe to the left or right and select a card to use.



3 Scan your fingerprint.

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

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

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



- Payments may not be processed depending on your network connection.
- 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.

Samsung Pay mini

Register frequently used mobile wallets and UPI (Unified Payments Interface) bank accounts to Samsung Pay mini, a mobile payment service, to make payments quickly and securely.

Launch the **Samsung Pay mini** app.



- This app may not be available depending on the region or service provider.
- To make payments with Samsung Pay mini, the device may be required a connection to a Wi-Fi or mobile network.

Galaxy Wearable

Galaxy Wearable is an app that allows you to manage your wearable devices. When you connect your device to the wearable device, you can customize the wearable device's settings and apps.

Launch the **Galaxy Wearable** app.

Tap **Start the journey** to connect your device to the wearable device. Follow the on-screen instructions to finish the setup. Refer to the wearable device's user manual for more information about how to connect and use the wearable device with your device.

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 encounter while using your device.



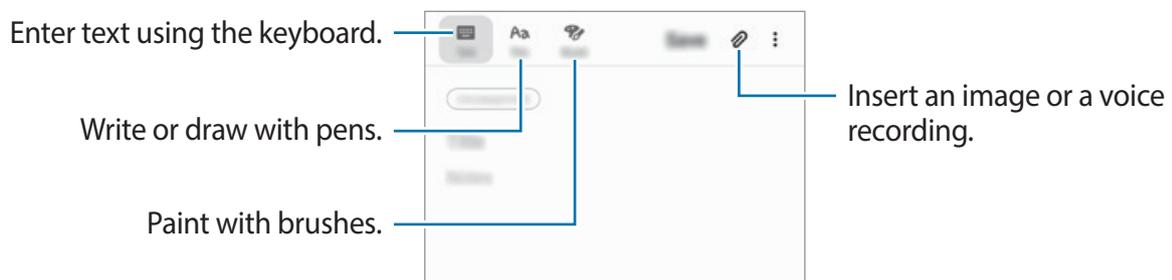
- This app's availability and supported features may vary depending on the region or service provider.
- To submit your feedback or post your comments, you must register and sign in to your Samsung account. Refer to [Samsung account](#) for more information.

Samsung Notes

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

Creating notes

- 1 Launch the **Samsung Notes** app and tap .
- 2 Select an input method from the toolbar at the top of the screen and compose a note.



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

Deleting notes

- 1 Launch the **Samsung Notes** app.
- 2 Tap and hold a note to delete.
To delete multiple notes, tick more notes to delete.
- 3 Tap **Delete**.

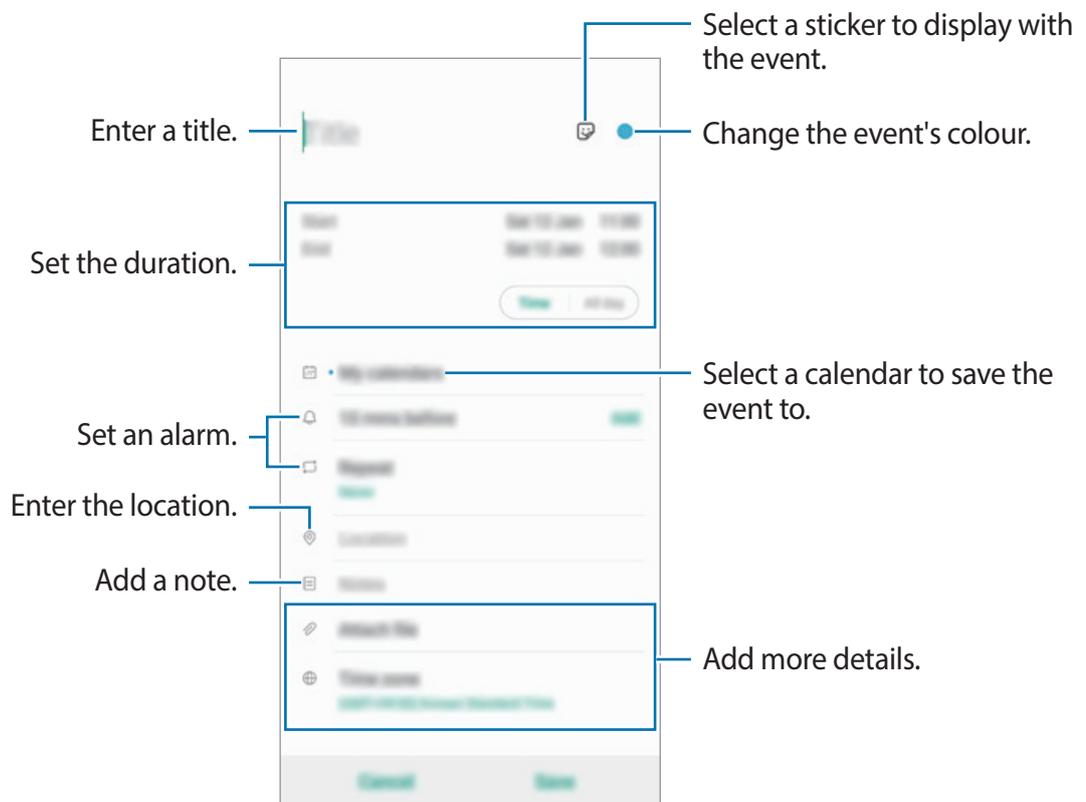
Calendar

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

Creating events

1 Launch the **Calendar** app and tap **+** or double-tap a date.
If the date already has saved events or tasks in it, tap the date and tap **+**.

2 Enter event details.



3 Tap **Save** to save the event.

Adding a reminder

Launch the **Calendar** app and tap  → **Reminder** to launch the **Reminder** app. Add a task on the **Reminder** app. Refer to [Reminder](#) for more information.

Syncing events with your accounts

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

To add accounts to sync with, launch the **Calendar** app and tap  →  → **Add new account**. Then, select an account to sync with and sign in. When an account is added, a blue circle is displayed next to the account name.

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. You can also compare your step count records with other Samsung Health users, compete with your friends, and view health tips.

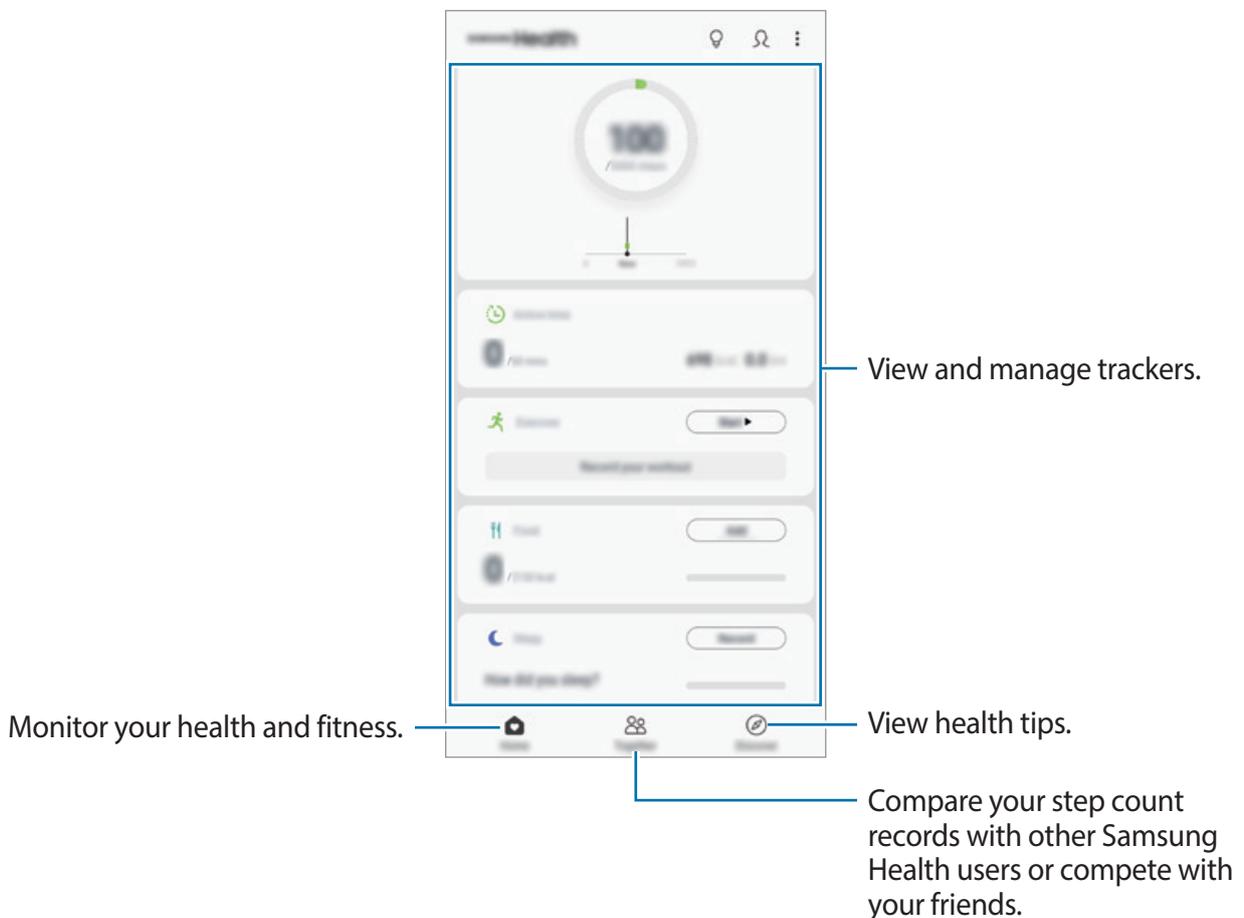
Using Samsung Health

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



Some features may not be available depending on the region.

To add items to the Samsung Health home screen, tap  → **Manage items**, and then select items.



Together

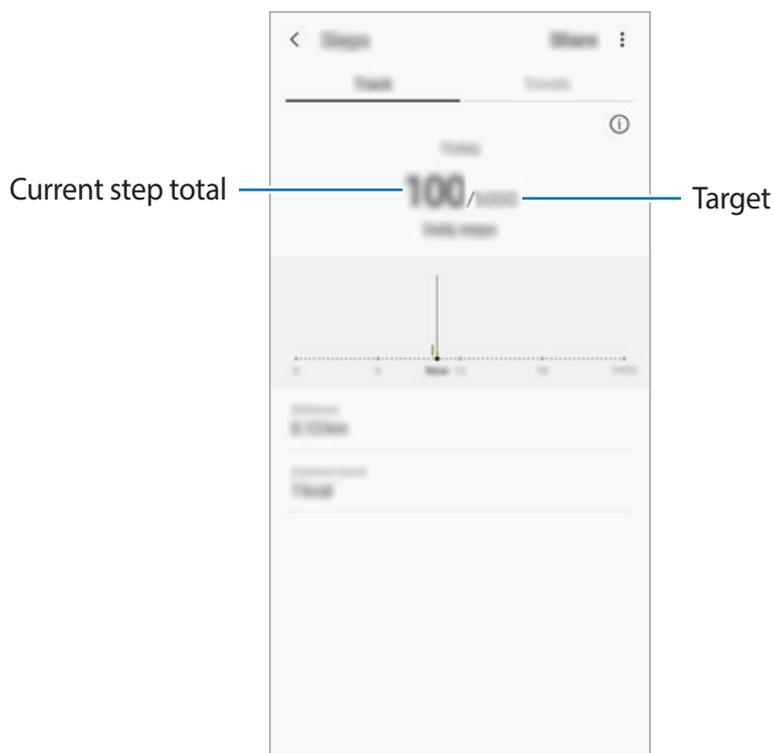
Together allows you to set up step count goals and compete with your friends. You can invite friends to walk together, set target step counts, compete in challenges, and view your ranking.

On the Samsung Health home screen, tap **Together**.

Steps

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

On the Samsung Health home 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.
- You can check your current steps on the notification panel. To turn off notifications, on the Samsung Health home screen, tap **⋮** → **Settings** → **Notifications**, and then tap the **Current steps** switch under **Ongoing** to deactivate it. Alternatively, open the notification panel, tap and hold the notification, tap **Details**, and then tap the **Current steps** switch to deactivate it.

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.
- Samsung Health applications and its service can be changed or discontinued without prior notice.
- 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 Erase personal 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.

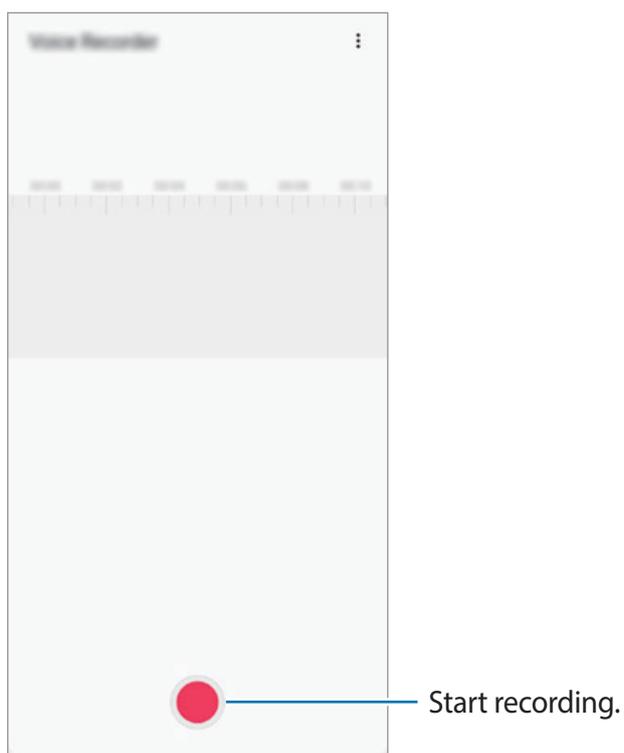
Voice Recorder

Introduction

Use this app to record or play voice memos.

Making voice recordings

- 1 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 (Galaxy A70)

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 recognize 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 or in other locations, such as cloud storage services.

Launch the **My Files** app.

View files that are stored in each storage.

To check for unnecessary data and free up the device's storage, tap  → **Storage analysis**.

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 map, and then tap **Add**.

To use the time zone converter, tap **⋮** → **Time zone converter**.

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**.
To add a frequently used timer, tap **+**, set the duration and name, and then tap **Add**.
- 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.

Tap  to display the scientific calculator.

To see the calculation history, tap . To close the calculation history panel, tap .

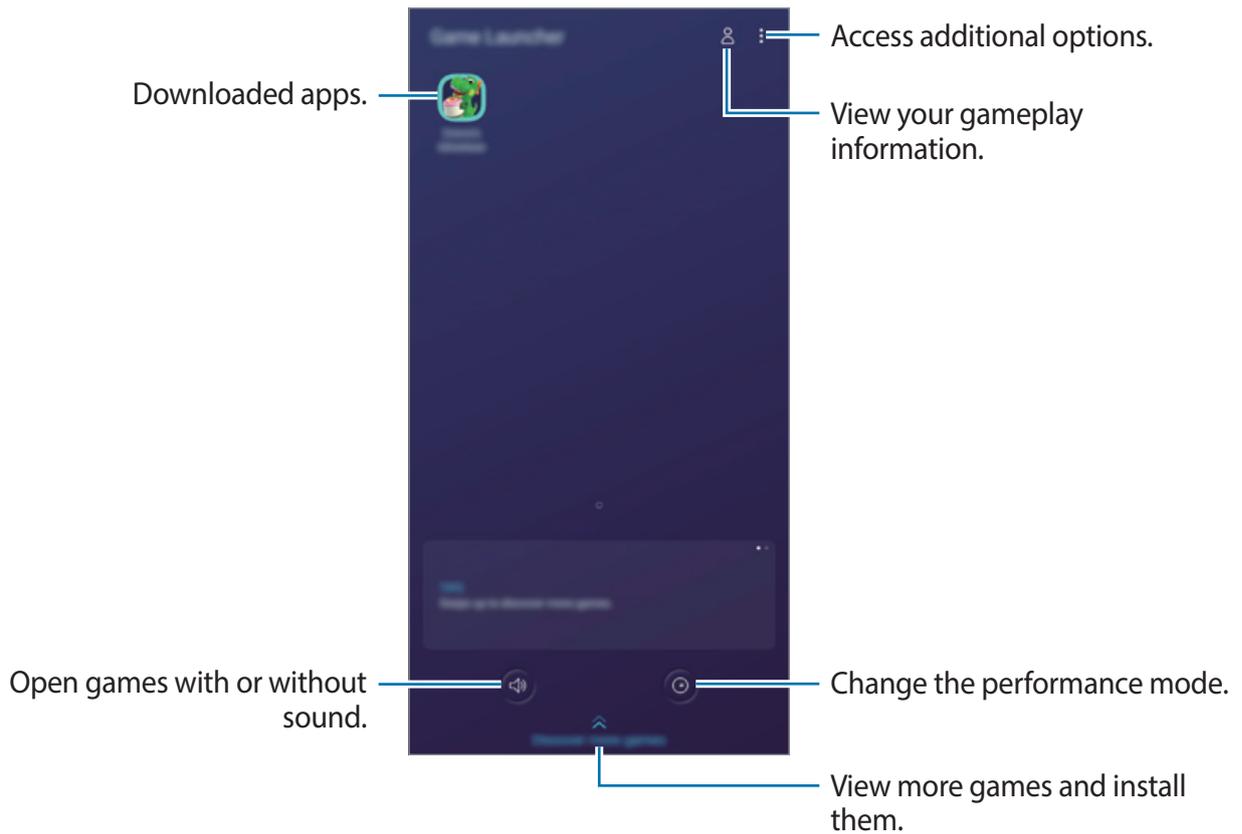
To clear the history, tap  → **Clear history**.

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

Game Launcher

Introduction

Game Launcher gathers your games downloaded from **Play Store** and **Galaxy Apps (Galaxy Store)** into one place for easy access. You can set the device to game mode to play games more easily.



Using Game Launcher

1 Launch the **Game Launcher** app.



If **Game Launcher** does not appear, launch the **Settings** app, tap **Advanced features**, and then tap the **Game Launcher** switch to activate it.

2 Tap a game from the games list.

To find more games, drag the screen upwards.



Games downloaded from **Play Store** and **Galaxy Apps (Galaxy Store)** will be automatically shown on the game launcher screen. If you cannot see your games, tap  → **Add apps**.

Removing a game from Game Launcher

Tap and hold a game and tap **Remove from Game Launcher**.

Changing the performance mode

You can change the game performance mode.

Launch the **Game Launcher** app, tap , and then drag the bar to select the mode you want.

- **Focus on power saving:** This saves battery power while playing games.
- **Balanced:** This balances the performance and the battery usage time.
- **Focus on performance:** This focuses on giving you the best possible performance while playing games.

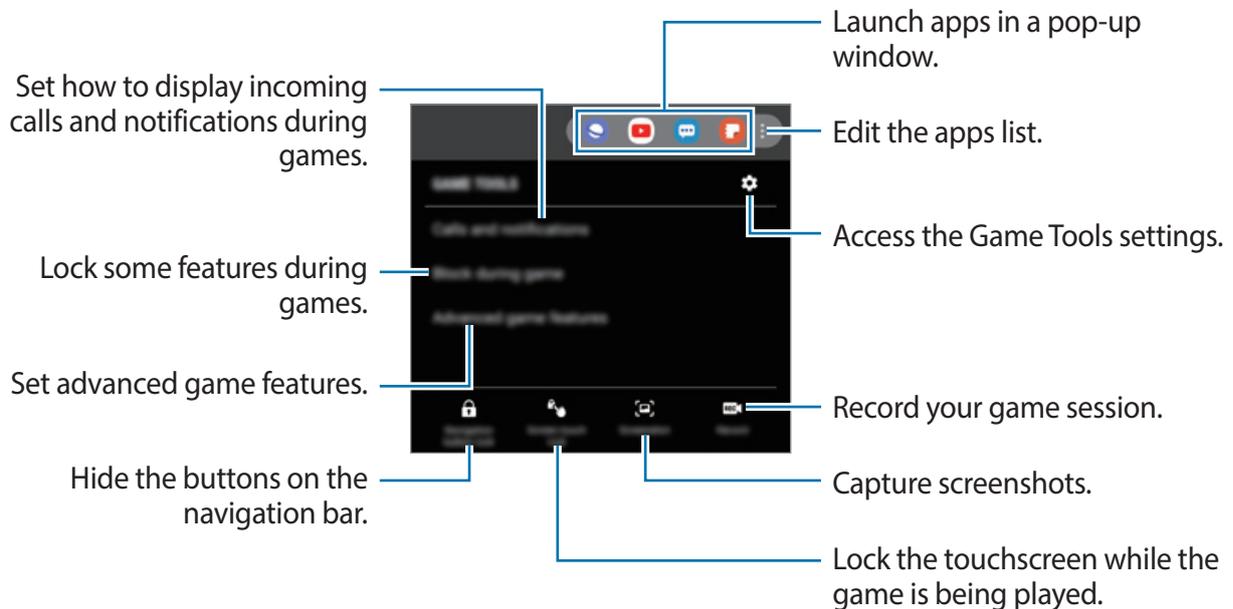
To change the settings for each game, tap the **Individual game settings** switch to activate it.



Battery power efficiency may vary by game.

Using Game Tools

You can use various options on the Game Tools panel while playing a game. To open the Game Tools panel, tap  on the navigation bar. If the navigation bar is hidden, drag upwards from the bottom of the screen to show it.



Available options may vary depending on the game.

Setting how to display incoming calls and notifications during games

You can enjoy your games without being disturbed even when you receive a call or notification.

Tap  → **Calls and notifications** and select an option to activate it.

- **Minimized caller notifications:** A small notification will appear at the top of the screen when you receive a call during games.
- **Don't display notifications:** Only display notifications from some apps or emergency notifications during games.

SmartThings

Introduction

Connect to nearby devices, such as Bluetooth headsets or other smartphones, easily and quickly. You can also control and manage TVs, home appliances, and Internet of Things (IoT) products with your smartphone.

- **Connecting with nearby devices:** Connect with nearby devices, such as Bluetooth headsets or wearable devices, easily and quickly.
- **Registering and controlling home appliances, TVs, and IoT products:** Register smart refrigerators, washers, air conditioners, air purifiers, TVs, and Internet of Things (IoT) products on your smartphone, and view their status or control them from your smartphone's screen.
- **Receiving notification:** Receive notifications from connected devices on your smartphone. For example, when the laundry is finished, you can receive a notification on your smartphone.



- To use SmartThings, your smartphone and other devices must be connected to a Wi-Fi or mobile network.
- To fully use SmartThings, you must register and sign in to your Samsung account.
- The devices you can connect may vary depending on the region or service provider. To see the list of connectable devices, launch the **SmartThings** app, and then tap  → **How to use** → **Supported devices**.
- Available features may differ depending on the connected device.
- Connected devices' own errors or defects are not covered by the Samsung warranty. When errors or defects occur on the connected devices, contact the device's manufacturer.

Connecting to nearby devices

Connect to nearby devices, such as Bluetooth headsets, easily and quickly.



Connection methods may vary depending on the type of connected devices or the shared content.

- 1 Launch the **SmartThings** app.
- 2 Tap **+** → **Add device**.
- 3 Select a device from the list and connect to it by following the on-screen instructions.

Using home appliances, TVs, and IoT products

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

Connecting devices

- 1 Launch the **SmartThings** app.
- 2 Tap **+** → **Add device**.
- 3 Select a device from the list.
If there is no device on the list, tap **▼** next to **Samsung** and select a device type. Or, tap **Q** and enter the device or model name.
- 4 Follow the on-screen instructions to register devices.

Viewing and controlling connected devices

You can view and control the devices. For example, you can check the ingredients in your refrigerator or adjust the TV volume.

1 Launch the **SmartThings** app.

The list of connected devices will appear.

2 View the status of devices on the list.

To control the devices, select a device. When the device controller supplied with the selected device is downloaded, you can control the device.

Adding devices and scenes by locations

Add devices by locations, view the list of devices in a same location, and control them. You can also add a scene to a location to control multiple devices at the same time.

Adding locations

1 Launch the **SmartThings** app and tap  →  → **Add new location**.

2 Enter the location name.

- To set a location, tap **Geolocation** to select a location on the map and tap **Done**.
- To add rooms to the location, tap **Rooms**, tick rooms you want to add, and then tap **Done**.

3 Tap **Done**.

Your location will be added.

To add devices to the location, tap  → **Add device** and follow the on-screen instructions to register devices.

The devices will be added to the location.

Adding scenes

Add a scene and register devices to it to control multiple devices at the same time with a single tap of a button or with a voice command.

- 1 Launch the **SmartThings** app.
- 2 Tap  →  and select a location.
- 3 Tap  → **Add scene**.
- 4 Enter the scene name.
- 5 Tap  under **Add actions** to add actions to perform.
- 6 Tap **Save**.

Adding automations

You can also set an automation to operate devices automatically depending on the preset time, the status of devices, and more.

For example, add an automation to turn on the audio automatically every day at 7:00 AM.

- 1 Launch the **SmartThings** app.
- 2 Tap  →  and select a location.
- 3 Tap  → **Add automation**.
- 4 Tap  under **If** and set the activation conditions for the automation.
- 5 Tap  under **Then** and set actions to perform.
- 6 Tap **Save**.

Receiving notifications

You can receive notifications from connected devices on your smartphone. For example, when the laundry is finished, you can receive a notification on your smartphone.

To set devices to receive notifications, launch the **SmartThings** app, tap  →  → **Notifications**, and then tap the switches next to the devices you want.

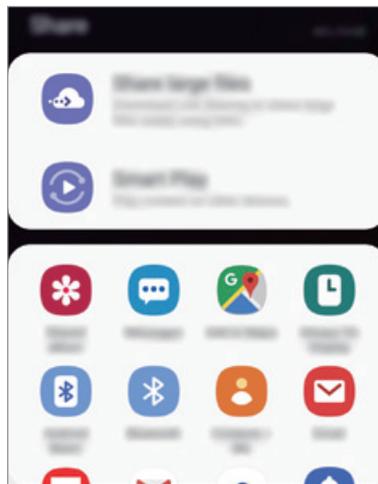
Sharing content

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



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

- **Share large files:** 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.
- **Smart View:** Share content with nearby devices via Wi-Fi Direct or Bluetooth, or with SmartThings 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.

Google apps

Google provides entertainment, social network, and business apps. You may require a Google account to access some apps.

To view more app information, access each app's help menu.



Some apps may not be available or may be labelled differently depending on the region or service provider.

Chrome

Search for information and browse webpages.

Gmail

Send or receive emails via the Google Mail service.

Maps

Find your location on the map, search the world map, and view location information for various places around you.

Play Music

Discover, listen to, and share music on your device. You can upload music collections stored on your device to the cloud and access them later.

Play Movies & TV

Purchase or rent videos, such as movies and TV programs, from **Play Store**.

Drive

Store your content on the cloud, access it from anywhere, and share it with others.

YouTube

Watch or create videos and share them with others.

Photos

Search for, manage, and edit all your photos and videos from various sources in one place.

Google

Search quickly for items on the Internet or your device.

Duo

Make a simple video call.

Settings

Introduction

Customize device settings. You can make your device more personalized by configuring various setting options.

Launch the **Settings** app.

To search for settings by entering keywords, tap **Q**.

Connections

Options

Change settings for various connections, such as the Wi-Fi feature and Bluetooth.

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

- **Wi-Fi:** Activate the Wi-Fi feature to connect to a Wi-Fi network and access the Internet or other network devices. Refer to [Wi-Fi](#) for more information.
- **Wi-Fi calling:** Set the device to make calls and send messages using a Wi-Fi network when the Wi-Fi network is available. You can also set up the preferred network. (Galaxy A70)
- **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.
- **NFC and payment** (NFC-enabled models): 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 \(NFC-enabled models\)](#) for more information.

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



Follow the regulations provided by the airline and the instructions of aircraft personnel. In cases where it is allowed to use the device, always use it in flight mode.

- **Mobile networks:** Configure your mobile network settings.
- **Data usage:** Keep track of your data usage amount and customize 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.
You can also activate the data saver feature to prevent some apps running in the background from sending or receiving data. Refer to [Data saver](#) 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 or USB. Refer to [Mobile Hotspot and Tethering](#) for more information.
- **Call and message continuity:** Use your device's calling and messaging features on other devices signed in to your Samsung account. Refer to [Call and message continuity](#) for more information.
- **More connection settings:** Customize settings to control other features. Refer to [More connection settings](#) for more information.

Wi-Fi

Activate the Wi-Fi feature to connect to a Wi-Fi network and access the Internet or other network devices.

Connecting to a Wi-Fi network

1 On the Settings screen, tap **Connections** → **Wi-Fi**, 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.

Wi-Fi Direct

Wi-Fi Direct connects devices directly via a Wi-Fi network without requiring an access point.

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

2 Tap **Wi-Fi Direct**.

The detected devices are listed.

If the device you want to connect to is not in the list, turn 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  → **Wi-Fi Direct** and select a device to receive the image.
- 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** → **Wi-Fi**.
- 2 Tap **Wi-Fi Direct**.
The device displays the connected devices in the list.
- 3 Tap the device name to disconnect the devices.

Bluetooth

Use Bluetooth to exchange data or media files with other Bluetooth-enabled devices.



- Samsung is not responsible for the loss, interception, or misuse of data sent or received via Bluetooth.
- Always ensure that you share and receive data with devices that are trusted and properly secured. If there are obstacles between the devices, the operating distance may be reduced.
- Some devices, especially those that are not tested or approved by the Bluetooth SIG, may be incompatible with your device.
- Do not use the Bluetooth feature for illegal purposes (for example, pirating copies of files or illegally tapping communications for commercial purposes). Samsung is not responsible for the repercussion of illegal use of the Bluetooth feature.

Pairing with other Bluetooth devices

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

The detected devices will be listed.

- 2 Select a device to pair with.

If the device you want to pair with is not on the list, set the device to enter Bluetooth pairing mode. Refer to the other device's user manual.



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 receive the image.
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, turn on its visibility option.
- 3 Accept the Bluetooth connection request on the other device.

Unpairing Bluetooth devices

- 1 On the Settings screen, tap **Connections** → **Bluetooth**.
The device displays the paired devices in the list.
- 2 Tap  next to the device name to unpair.
- 3 Tap **Unpair**.

NFC and payment (NFC-enabled models)

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.

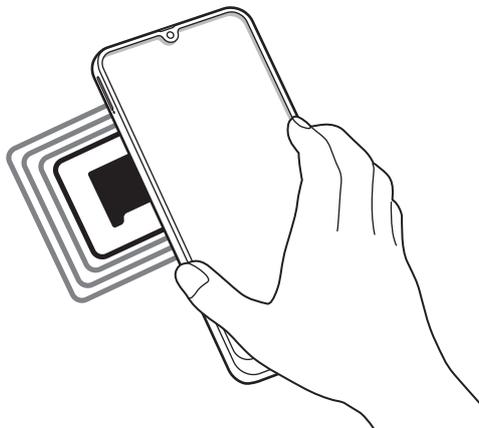


The device contains a built-in NFC antenna. Handle the device carefully to avoid damaging the NFC antenna.

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 a 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

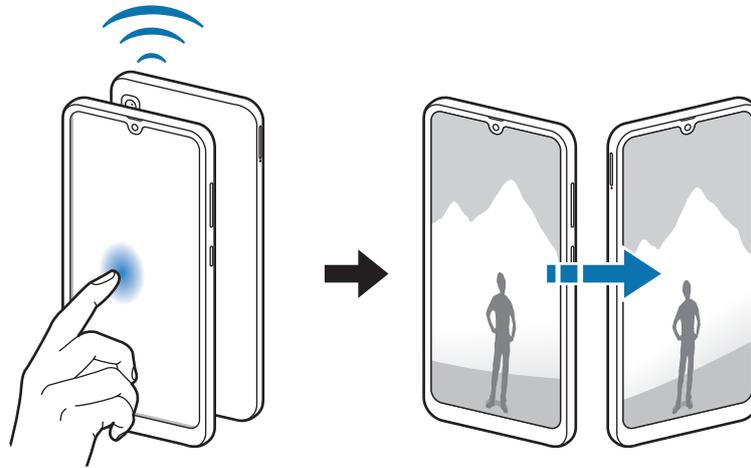
Allow data exchange when your device's NFC antenna touches the other device's NFC antenna.

- 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.

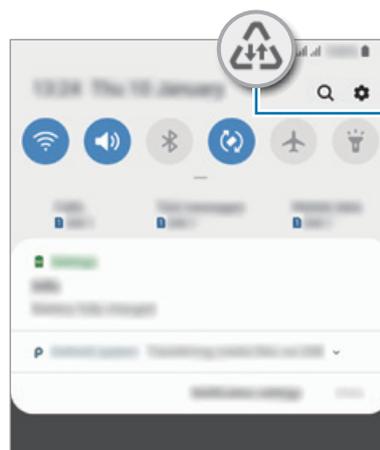


Data saver

Reduce your data usage by preventing some apps running in the background from sending or receiving data.

On the Settings screen, tap **Connections** → **Data usage** → **Data saver** and tap the switch to activate it.

When the data saver feature is activated, the  icon will appear on the status bar.



Data saver feature activated



To select apps to use data without restriction, tap **Allow app while Data saver on** and select apps.

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.
- **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.



- If the mobile hotspot is not found, on your device, tap  → **Configure Mobile Hotspot**, and then deselect **Hide my device**.

- If the other device cannot connect to the mobile hotspot, on your device, tap  → **Allowed devices** and tap the **Allowed devices only** switch to deactivate it.

4 On the connected device, use the device's mobile data connection to access the Internet.

Call and message continuity

Use your device's calling and messaging features on other devices signed in to your Samsung account.

- To use this feature, you must sign in to your Samsung account.
- You can make an emergency call only on your device.
- During a call on other devices, call quality may decrease.

1 On the Settings screen, tap **Connections** and tap the Call and message continuity switch to activate it.

When you activate this feature for the first time, agree to the terms and conditions.

2 On the other device, activate the Call and message continuity feature.

When your device and the other device are connected, the device will appear on the connected device list.

More connection settings

Customize settings to control other connection 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.
- **VPN:** Set up virtual networks (VPNs) on your device to connect to a school or company's private network.
- **Private DNS:** Use the reliable domain name system (DNS) for an internal private network instead of using the external hosting network. The DNS will be searched for and connected to automatically, or you can search for the DNS and connect to it manually.
- **Ethernet:** When you connect an Ethernet adapter, you can use a wired network and configure network settings.

Printing

Configure settings for printer plug-ins installed on the device. You can connect the device to a printer via Wi-Fi or Wi-Fi Direct, and print images or documents.



Some printers may not be compatible with the device.

Adding printer plug-ins

Add printer plug-ins for printers you want to connect the device to.

- 1 On the Settings screen, tap **Connections** → **More connection settings** → **Printing** → **Download plugin**.
- 2 Search for a printer plug-in in **Play Store**.
- 3 Select a printer plug-in and install it.
- 4 Select the installed printer plug-in.
The device will automatically search 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.

Sounds and vibration

Options

Change settings for various sounds on the device.

On the Settings screen, tap **Sounds and vibration**.

- **Sound mode:** Set the device to use sound mode, vibration mode, or silent mode.
- **Vibrate while ringing:** Set the device to vibrate and play a ringtone for incoming calls.
- **Ringtone:** Change the call ringtone.
- **Vibration pattern:** Select a vibration pattern.
- **Notification sounds:** Change the notification sound.
- **Volume:** Adjust the volume level for call ringtones, music and videos, system sounds, and notifications.
- **Use Volume keys for media:** Set the device to adjust the media volume level when you press the Volume key.
- **System sounds:** Set the device to sound or vibrate for actions, such as turning the screen on or off or controlling the touchscreen.
- **Advanced sound settings:** Optimize the settings for when media is being played. Refer to [Dolby Atmos \(surround sound\)](#) or [Separate app sound](#) for more information.

Dolby Atmos (surround sound)

Select a surround sound mode optimized for various types of audio, such as movies, music, and voice. With Dolby Atmos, you can experience moving audio sounds that flows all around you.

On the Settings screen, tap **Sounds and vibration** → **Advanced sound settings** → **Sound quality and effects** → **Dolby Atmos**, tap the switch to activate it, and then select a mode.



Before you use this feature, you must connect an earphone.

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.

- 1 On the Settings screen, tap **Sounds and vibration** → **Advanced sound settings** → **Separate app sound** and tap the switch to activate it.
- 2 Select an app to play media sounds separately and tap the Back button.
- 3 Select a device for playing the selected app's media sound.

Notifications

Options

Change the notification settings.

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

- **App icon badges:** Change the settings for app icon badges. Refer to [App icon badges](#) for more information.
- **Do not disturb:** Set the device to mute incoming calls, notification sounds, and media, except for allowed exceptions.
- **Status bar:** Set the device to display only three recent notifications and whether to show the remaining battery level in percentage on the status bar.
- **Recently sent:** View the apps that received recent notifications and change the notification settings. To customize notification settings for more apps, tap **See all** → ▼ → **All** and select an app from the app list.

App icon badges

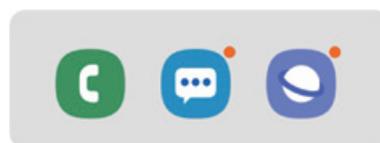
Change the settings for app icon badges.

On the Settings screen, tap **Notifications** → **App icon badges**.

To display icon badges, tap the switch to activate it. To change the badge style, select an option under **Badge style**.



With number



Without number

Display

Options

Change the display and the Home screen settings.

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

- **Brightness:** Adjust the brightness of the display.
- **Adaptive 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.
- **Night mode:** Reduce eye strain by applying the dark theme when using the device at night or in a dark place.
 -  Turn on the GPS feature to set the device to activate night mode at night and turn it off in the morning based on your current location.
 - The dark theme may not be applied in some apps.
- **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.
- **Font size and style:** Change the font size and style.
- **Screen zoom:** Change the screen zoom setting.
- **Full screen apps:** Select apps to use with the full screen aspect ratio.
- **Screen timeout:** Set the length of time the device waits before turning off the display's backlight.
- **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.