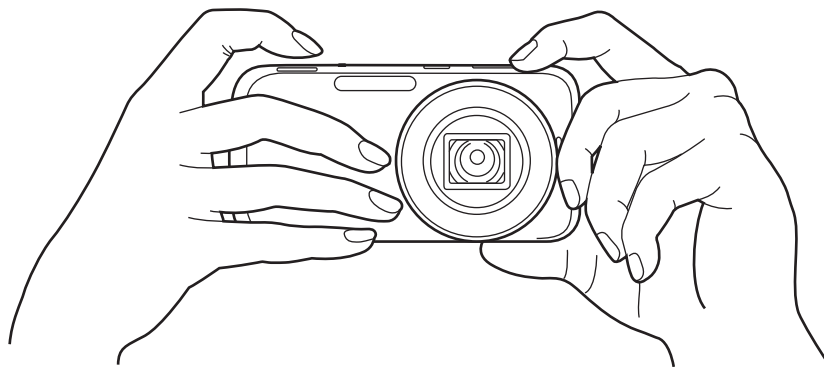


Holding the camera correctly



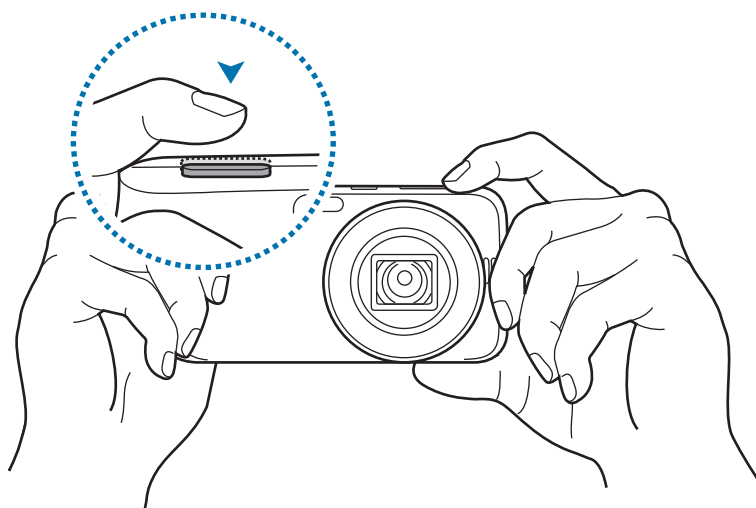
Make sure not to block the screen, lens, flash, or microphone.



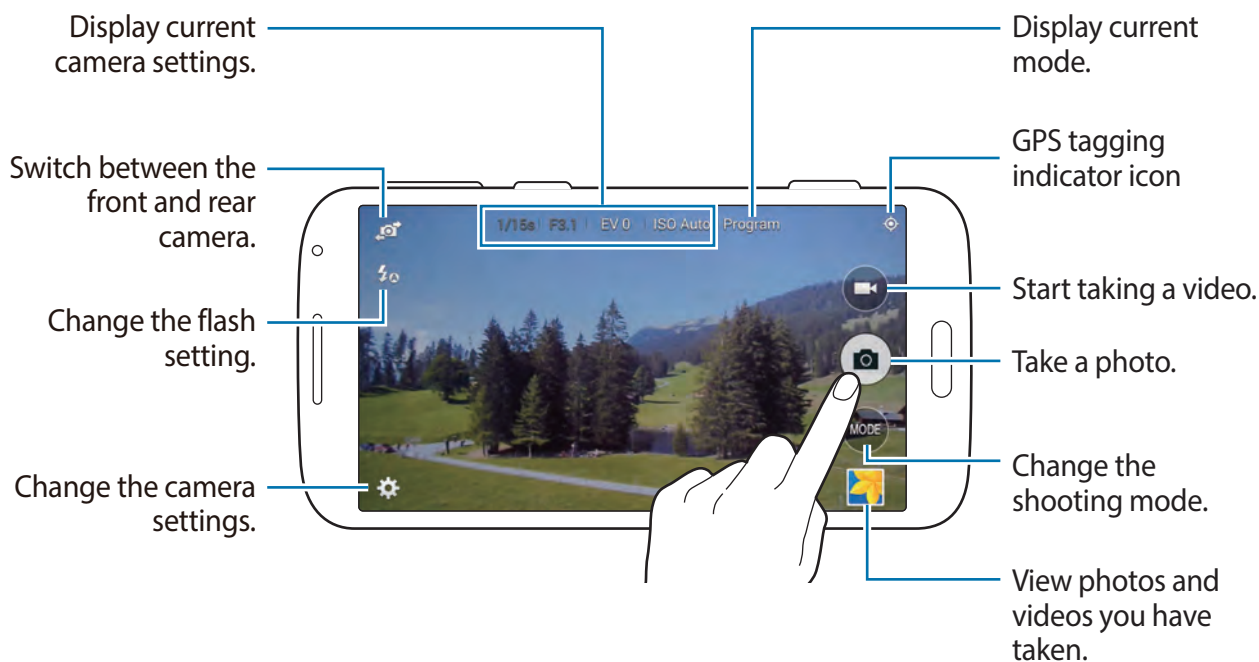
Make sure not to expose the lens to direct sunlight. This may discolour the image sensor, or cause it to malfunction.

Half-pressing the Shutter button

Press the Shutter button halfway down to adjust the focus. The camera adjusts the focus, exposure, and white balance automatically, and the focus frame turns green. The focus frame turns red if not focused.



Learning the preview screen



Learning icons

The icons displayed on the preview screen provide information about current shooting options and settings. The icons listed in the table below are the most common.

Icon	Meaning
1/15s	Shutter speed
F3.1	Aperture value
EV 0	Exposure value
ISO Auto	ISO sensitivity
⌚	Timer
⚡	Flash
📷	Macro
📷	Metering

Icon	Meaning
	White balance
	Continuous shooting
	Bracket mode
	Voice control
	Geotagging
	Remote viewfinder
	Photo Suggest

Taking photos

Half-press the Shutter button to focus on the subject. When the subject is in focus, the focus frame turns green. Press the Shutter button to take the photo.

Or, tap the image on the preview screen where the camera should focus. When the subject is in focus, the focus frame turns green. Tap  to take the photo.

Taking videos

Tap  to take a video. To stop recording, tap .

While recording, tap where you want to focus to change the focus.

- To change the focus while taking a video, tap where you want to focus. To focus on the centre of the screen, tap .
- To capture an image from the video while recording, tap .



- You can record up to 10 minutes of 1080p video at 60 fps. You can record up to 25 minutes of video at lower settings.
- When using a memory card with a slow writing speed, the device may not be able to save the video properly. It may stop recording, or recorded video frames may become corrupted.
- Memory cards with slow writing speeds do not support high-resolution video. To record high-resolution video, use memory cards with faster writing speeds (micro SDHC Class10 or higher).
- The video frame size may appear smaller depending on video resolution and frame rate.
- If you set the optical image stabiliser(OIS) option, the optical image stabiliser(OIS) sound may be recorded.
- If the zoom function is activated when taking videos, the camera may record the noise of the zoom operating. To decrease zoom noise, activate the quiet zoom feature.
- If you change the shooting angle of the camera suddenly while taking a video, the camera may not be able to record images accurately.
- If you tap the screen to change the focus manually while taking a video, the touch sound may be recorded.
- To capture an image from the video while recording, tap . You can take up to six photos.

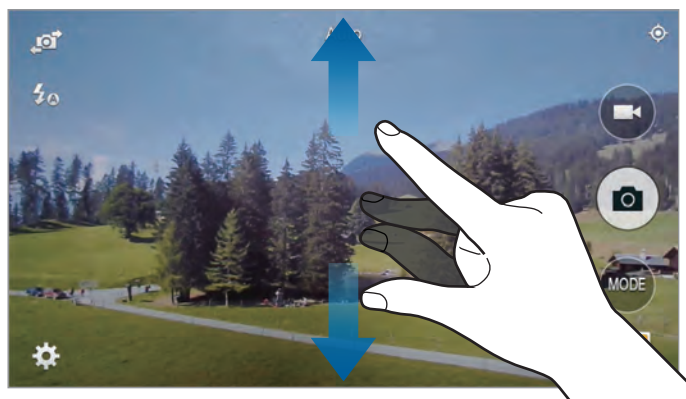
Viewing photos and videos

To view taken photos or videos, tap the gallery icon. Scroll left or right to view the next or previous image.

Zooming in and out

Use one of the following methods:

- Use the Volume button to zoom in or out.
- Spread two fingers apart on the screen to zoom in, and pinch to zoom out.

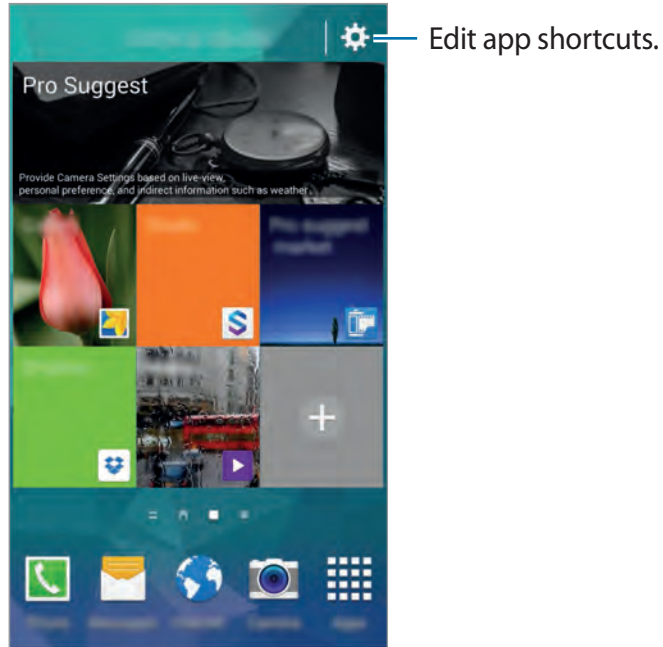


- The zoom in/out effect is available when using the zoom feature while shooting video.
- The zoom function is not available while shooting a video using the Multi motion feature.
- When using the zoom function, the lens moves back and forth to adjust the focus before it sets the precise zoom ratio that you intend to use.
- To maintain a natural view angle, the zoom ratio increases in larger increments as it gets higher.

Using the camera studio widget

You can access various camera-related apps in the **Camera Studio** widget.

On the Home screen, scroll left to view the widget.

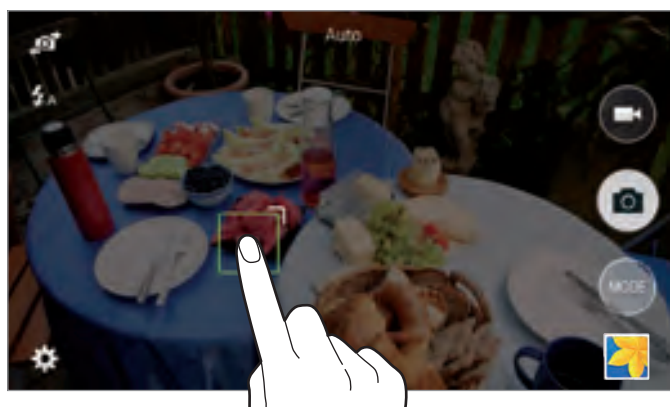


Separating the exposure area and the focus area

If bright light affects the contrast or the subject is outside the auto focus area, use this feature to achieve an appropriate exposure. You can separate the exposure and focus areas and select the exposure level you want for the subject.

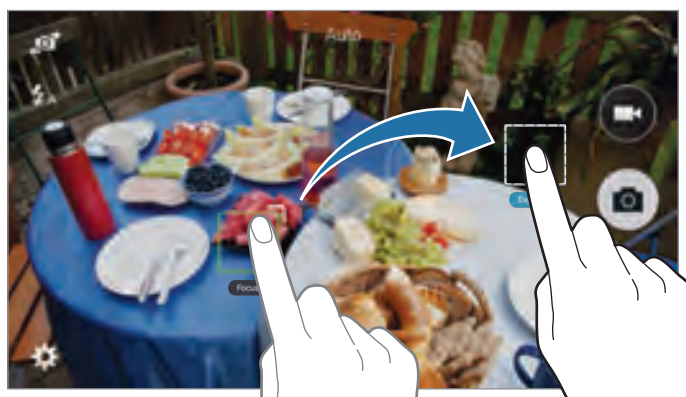
1 Tap the area to focus.

☐ will appear at the top right of the focus frame.



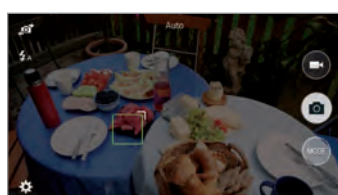
2 Drag ☐ to the exposure area.

When you touch ☐, the exposure area will be separated from the focus area.



Tap and hold each area to lock the focus or exposure setting.

Drag the areas together to merge the focus and exposure areas.



Before separating



After separating

Using the shooting mode

Various shooting modes are available with the camera. You can use them to customise your photos and videos.

On the Apps screen, tap **Camera** → **MODE**.

Tap **Manage mode** to select the shooting modes to appear on the mode selection screen.

- **Auto:** Use this to allow the camera to evaluate the surroundings and determine the ideal mode for the photo.
- **Program:** Use this to allow the camera to automatically adjust the shutter speed and aperture value so that an optimal exposure value can be achieved.
- **Manual:** Use this to adjust the shutter speed and aperture value manually.
- **Pro suggest:** Take photos with one of the automatically suggested smart modes or by applying pre-defined settings..
- **Beauty face:** Take a photo with lightened faces for gentler images.
- **Continuous shot:** Take a series of photos of moving subjects.
- **Kids shot:** Play a funny sound to get a kid's attention when shooting.
- **Selfie alarm:** Detect a face in a preset area and to take multiple photos automatically. You can then select the best photo.
- **Landscape:** Take photos of blue skies and landscapes with richer colours.
- **Dawn:** Take photos of the dawn sky in subtle colours.
- **Snow:** Take brighter photos of snow scenery.
- **Macro:** Take photos of very close subjects.
- **Food:** Take photos of food in more colourful tones.
- **Party/Indoor:** Take crisp indoor photos.
- **Action freeze:** Take photos of subjects moving at high speed.
- **HDR(Rich tone):** Take photos without losing details in bright and dark areas.

- **Panorama:** Take a photo composed of many photos strung together. The device identifies the photo with  in **Gallery**.

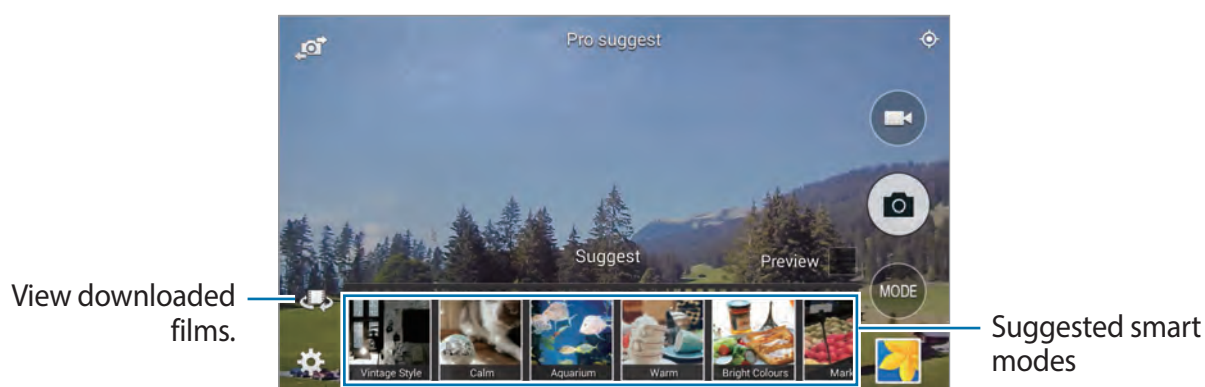
To get the best shot, follow these tips.

- Move the camera slowly in one direction.
- Keep the camera's viewfinder within the guide frame.
- Avoid taking photos of a subject in front of unrecognisable backgrounds, such as empty skies or plain walls.
- **Waterfall:** Take photos of waterfalls.
- **Animated photo:** Create a photo in which selected objects move by freezing or animating moving objects automatically detected by the camera.
- **Sound & shot:** Take a photo with sound.
- **Surround shot:** Take multiple shots of your immediate surroundings and combine them as a single spherical image.
- **Virtual tour shot:** Take photos of a space by moving the device and shooting from different angles to create a stereoscopic image. The device identifies the photo with  in **Gallery**.
- **Silhouette:** Take photos of dark shapes against a light background.
- **Sunset:** Take photos of the sunset.
- **Night:** Take photos in low-light conditions, without using the flash.
- **Fireworks:** Take photos of fireworks.
- **Light trace:** Take photos of the light trailing in low-light conditions.
- **Shot & More:** Take a series of photos and apply various effects to them. The device identifies the photos with  in **Gallery**.

Using Pro suggest mode

Use this mode to take photos with one of the automatically suggested smart modes or by applying pre-defined image settings. Image settings can be combined in a film and then applied to shots when you shoot them. You can download various films or upload your own films.

- 1 Tap **Camera** on the Apps screen.
- 2 Tap **MODE** → **Pro suggest**.
- 3 Select a mode or film.



- 4 Press the Shutter button.



- If you set the current time manually, mode suggestions may not be proper.
- To use this feature, read and agree to terms and conditions.

Managing films

Download various films or upload your own films. You can also arrange films by ranking or category, view recently uploaded films, or create your own films.

On the Apps screen, tap **Pro suggest market** → **Pro suggest film**.

- To create a film, tap .
- To search for films, tap .
- To access additional options, tap .

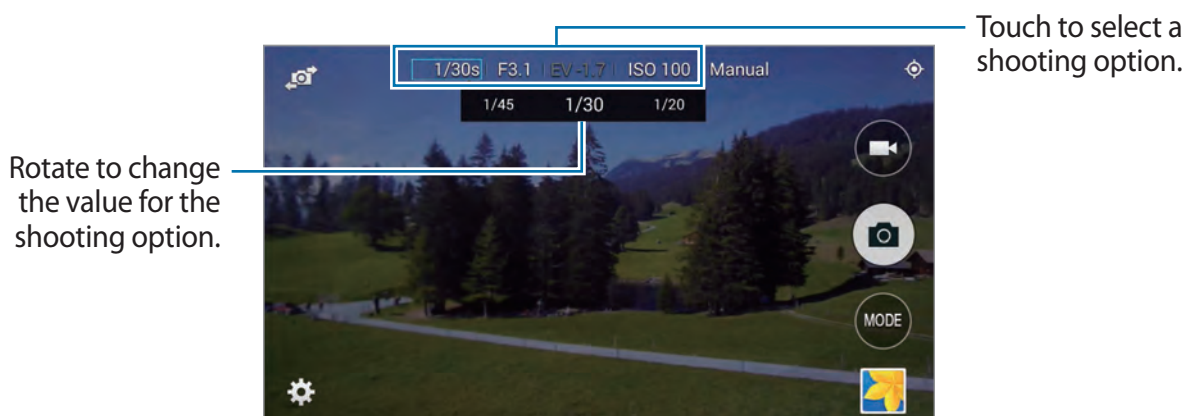
Viewing shooting guides

To view photos taken by others and tips about taking the photos, on the Apps screen, tap **Pro suggest market** → **Pro suggest guide**.

Using Manual mode

This mode lets you adjust the shutter speed and aperture value manually. In this mode, you can fully control the exposure of your photos. This mode is useful in controlled shooting environments, such as a studio, or when it is necessary to fine-tune camera settings. This mode is also recommended for shooting night scenes or fireworks.

- 1 Tap **Camera** on the Apps screen.
- 2 Tap **MODE** → **Manual**.
- 3 Set the desired shooting options.



- If you set a high ISO value or open the shutter for a long time, image noise may increase.
- The longer you open the shutter, the longer it takes to save a photo. Do not turn the camera off while the camera saves a photo.
- You can select one of two different aperture values. Available values vary depending on the zoom ratio.

Using Selfie alarm mode

Use this to detect a face in a preset area and to take multiple photos automatically. You can then select the best photo.

- 1 Tap **Camera** on the Apps screen.
- 2 Tap **MODE** → **Selfie alarm**.
- 3 Drag the frame to set a detection area.
- 4 Compose your shot with the lens facing you.
- 5 Listen to the beeps to guide you as you adjust the composition.
When a face is completely inside the detection area, the camera emits a warning tone, beeps for two seconds, and then automatically takes multiple photos.
- 6 Select the best photo, and then tap .

Using HDR(Rich tone) mode

Take photos with rich colours and reproduce details even in bright and dark areas.

On the Apps screen, tap **Camera** → **MODE** → **HDR(Rich tone)**, and then take a photo.



Without effect



With effect



Tap **⚙** → **Save as** to save one HDR photo or two photos (one with the HDR effect and one with the regular exposure).

Using Animated photo mode

Use this to create a photo in which selected objects move by freezing or animating moving objects automatically detected by the camera.

- 1 Tap **Camera** on the Apps screen.
- 2 Tap **MODE** → **Animated photo**.
- 3 Press the Shutter button to take a photo.
- 4 Tap  or , and then rub the screen to animate or freeze the detected moving objects.
- 5 Tap **Trim** to adjust the range to trim.
- 6 Tap **Direction** to change the direction of the animation.
- 7 Tap  to save the photo.

Using Surround shot mode

Use this mode to take multiple shots of your immediate surroundings and combine them as a single spherical image.

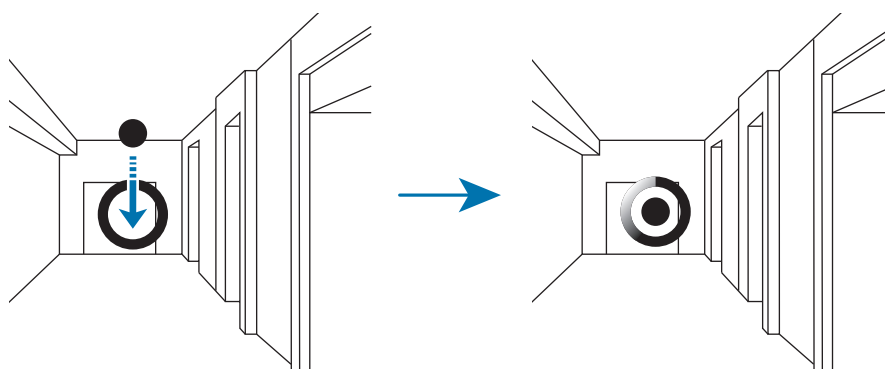
- 1 Tap **Camera** on the Apps screen.
- 2 Tap **MODE** → **Surround shot**.
A target pointer appears on the screen.
- 3 Move the device to locate the target pointer to the area where you want to take the first shot.
- 4 Hold the target pointer inside the circle on the preview screen until you take the first shot.
- 5 To take another shot, locate the next target pointer and position it inside the circle again. You can view the position of the photos you have taken on the sphere at the bottom left of the screen.
- 6 To stop shooting, tap  to finish taking photo.

Using virtual tour mode

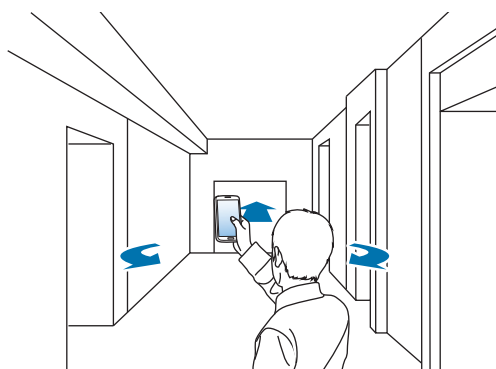
About virtual tour mode

Use this shooting mode to take photos in a space by moving forwards, and rotating left or right. Photos of the space are taken from different angles. You can view the photos in a slideshow and simulate actually moving through the space.

- 1 Tap **Camera** on the Apps screen.
- 2 Tap **MODE** → **Virtual tour shot**.
- 3 Move with the device to position the dot inside the large circle in the centre of the preview screen. The device detects when you stop and starts to take photos from that position in the space.



- 4 Move slowly forwards, and rotate left or right while taking photos. Whenever the dot is inside the large circle, the device takes a photo automatically.



- 5 Move with the device slowly in the direction of the arrow. When the small circle is in the centre of the large circle, the device starts taking photos. Repeat this action to take more photos.

To see a preview of the photo, tap > at the bottom left of the screen. The direction where images were taken is displayed on each preview thumbnail.

To delete the last photo that was taken, tap **Undo**.

- 6 To finish, tap .

Viewing photos

View a series of photos taken from different locations and directions.

- 1 On the Apps screen, tap **Gallery**.
- 2 Select an image with the  icon on the image thumbnail.

Using shot & more mode

Use this mode to take a series of photos and modify them by applying various effects using the shooting modes.



The zoom function is not available while taking photos in this mode.

- 1 Tap **Camera** on the Apps screen.
- 2 Tap **MODE** → **Shot & more**.
- 3 Press the Shutter button.

The device takes a series of photos and displays the available shooting modes.

4 Select a shooting mode and apply an effect to the photos.

- **Best photo:** Take a series of photos and save the best one. To view other photos in the series, scroll left or right. The device recommends the best photo and identifies it with 🏆.
- **Best face:** Take multiple group shots at the same time and combine them to create the best possible image. Tap the white frame on each face and choose the best individual pose for each subject from the poses that appear at the bottom of the screen. Then, merge the images into a single photo. The device recommends the best photo and identifies it with 👑.
- **Eraser:** Erase moving objects in the background. Tap ➖ to erase moving objects. Tap ➕ to restore the original photo.
- **Drama:** Take a series of photos and combine them to create an image that shows motion trails.
- **Panning shot:** Apply an effect to the subject's background that makes the subject appear to be moving fast. Tap **Object** to select a subject. Tap **Motion blur** to change the angle of blurring to apply to the background. Tap ● and draw a circle with your finger around the large circle to adjust the angle of blurring. To adjust the level of background blurring, drag the screen to the left or the right.

5 Tap 📷.

Configuring settings

On the Apps screen, tap **Camera** → . Not all of the following options are available in both still camera and video camera modes. The available options vary depending on the mode used.

- **Shutter speed:** Adjust the shutter speed to capture photos of fast-moving subjects or create tracer effects in a photo.
- **Aperture:** Adjust the aperture value to take portraits, flowers, or landscape shots.
- **EV (brightness):** If the exposure set by the camera is higher or lower than you expected, you can adjust the exposure value manually.
- **ISO (sensitivity):** The ISO sensitivity value represents the sensitivity of the camera to light. The higher the ISO sensitivity, the more sensitive the camera is to light. Consequently, by selecting a higher ISO sensitivity, you can take photos in dim or dark places at faster shutter speeds. However, this may increase electronic noise and result in a grainy photo.
- **WB (light source):** Select an appropriate white balance, so images have a true-to-life colour range.
- **Flash:** To take a realistic photo of a subject, the amount of light should be constant. When the light source varies, you can use a flash and supply a constant amount of light.
- **Focus mode:** Use this option to select a focus mode appropriate to the subject.
- **Drive mode:** Use this option to set the shooting method. Continuous shots are recommended for shooting the rapid motion of fast moving subjects, such as racing cars.
- **Timer:** Use this option for delayed-time shots.
- **One touch shot:** Tap the subject on the preview screen to take photos.
- **Save as:** Use this to save one HDR photo or two photos (one with the HDR effect and one with the regular exposure).
- **Focus area:** Use this option to change the positions of the focus area.
- **Face detection:** Set the device to recognise people's faces and help you take photos of them.
- **Photo size:** Select a resolution. Use higher resolution for higher quality. But it takes up more memory.

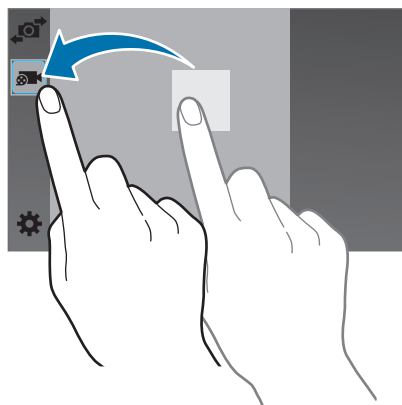
- **Quality:** Use this option to select a higher photo quality for better photos. Selecting a higher photo quality also increases the file size.
- **Auto contrast:** Use this option to improve contrast automatically in photos with backlit subjects or high contrast between subjects and backgrounds.
- **Metering:** Select a metering method. This determines how light values are calculated.
 - **Multi** averages the entire scene.
 - **Spot** measures the light value at a specific location.
 - **Center-weighted** measures background light in the centre of the scene.
- **Adjust image:** Use this option to adjust the colour, saturation, sharpness, or contrast of your photos.
- **OIS(anti-shake):** Use the Optical Image Stabiliser (OIS) option to reduce or eliminate blurriness from camera shake.
- **Effects:** Use the filter effects to take unique photos or videos.
- **Signature:** Use this option to add your signature to an image.
- **Photo Suggest:** Use this application to view photos taken by other users of points of interest near your current location.
- **Voice control:** Activate or deactivate the voice recognition to take photos or videos. Tap  → . Say a shooting command, such as Smile, Cheese, or Record video.
- **Movie size:** Select a resolution for videos. Use higher resolution for higher quality. Higher resolution videos take up more memory.
- **Multi motion:** Set the playback speed of videos.
- **Sound:** Use this to decrease noises made by the device or mute sound when taking videos.
- **Windcut:** Remove wind noise from a recording.
- **Remote viewfinder:** Set a device to control the camera remotely.
- **Help:** Access help information for using the camera.

Reorganising camera shortcuts

1 On the Apps screen, tap **Camera** → ⚙️.

2 Tap and hold an item and drag it to a slot at the left of the screen.

You can reorganise camera shortcuts for fast and easy access on the preview screen.



Shutter speed

Shutter speed refers to the amount of time it takes to open and close the shutter. Adjust the shutter speed to capture photos of fast-moving subjects or create tracer effects in a photo.

Tap ⚙️, and then rotate the **Shutter speed** dial to adjust the shutter speed.

Aperture

The size of the aperture is represented by a value known as an “F-number.” The smaller the f-number, the greater the size of the aperture. Adjust the aperture value to take portraits, flowers, or landscape shots.

Tap ⚙️, and then rotate the **Aperture** dial to adjust the aperture value.

EV (brightness)

The camera automatically sets the exposure by measuring the levels of light from the photo's composition and the position of a subject. If the exposure set by the camera is higher or lower than you expected, you can adjust the exposure value manually.

Tap , and then rotate the **EV** dial to adjust the exposure value.



Darker (-)



Neutral (0)



Brighter (+)



- When taking a photo, if the appropriate exposure value cannot be decided, use the **AE BKT** option to take three consecutive photos with different exposure values.
- Taking photos with higher exposure values may result in blurry photos due to the slower shutter speed.

WB (light source)

The White balance represents the light source that influences on the colour of a photo.

The colour of a photo depends on the type and quality of the light source. If you want the colour of your photo to be realistic, select an appropriate lighting condition to calibrate the white balance, or adjust the colour temperature manually. You can also adjust colour for the preset light sources so that the colours of the photo match the actual scene under mixed lighting conditions.

Tap  → **WB (light source)**, and select an option.

- **Custom:** Use this to set a customised white balance for the lighting conditions of your photo. You can appropriately adjust your colours for the actual scene. Tap >, aim the lens at a piece of white surface, and then press the Shutter button.
- **K:** Use this to manually adjust the colour temperature of the light source. Colour temperature is a measurement in degrees Kelvin that indicates the specific type of light source. You can get a warmer photo with a higher value, and a cooler photo with a lower value. Tap >, and then drag the slider or tap  or  to adjust the colour temperature.

Drive mode

Use this option to set the shooting method. Continuous shots are recommended for shooting the rapid motion of fast moving subjects, such as racing cars.

Tap  → **Drive mode**, and select an option.



- Saving photos may take longer depending on the memory card's capacity and performance when taking photos continuously.
- Prevent the camera from shaking when taking photos continuously.

Face detection

Detecting faces

The camera automatically detects up to 10 human faces in one scene.

Tap  → **Face detection** → **Normal**.

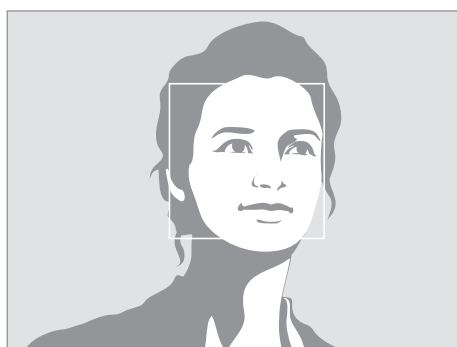
Aim the camera at a human subject. The camera automatically focuses on their face and displays a yellow frame around it. Press the Shutter button to take a photo.

Taking a smile shot

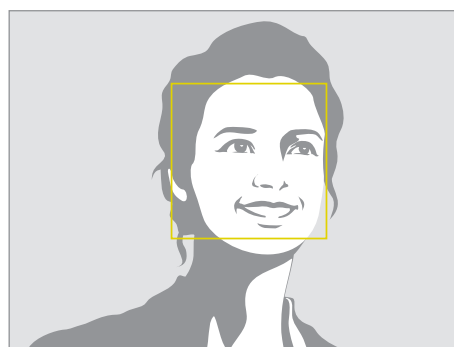
The camera automatically detects a smiling face, and releases the shutter.

Tap  → **Face detection** → **Smile shot**.

Aim the camera at a human subject, and press the Shutter button. When the camera detects a smiling face, the camera automatically takes the photo.



Face detected



Smile detected

Detecting eye blinking

The camera takes three photos of a person in succession and saves a photo in which the person's eyes are open.

Tap  → **Face detection** → **Blink detection**.

Aim the camera at a human subject, and press the Shutter button. The camera takes three photos of a person in succession and saves a photo in which the person's eyes are open. If the person's eyes are closed in all the three photos, the camera asks you whether to save one photo.

OIS(anti-shake)

Use the Optical Image Stabiliser (OIS) feature to reduce or eliminate blurriness from camera shake.

Tap  → **OIS (anti-shake)**.



Before correction



After correction



- This feature may not function properly in the following conditions:
 - When you move the camera to follow a moving subject.
 - If the camera is shaking too much.
 - When the shutter speed is slow (for example, when taking photos in low-light conditions).
 - If the battery power is low.
 - When you take close-up photos.
- The display may be blurry if the camera is hit or dropped. When this happens, restart the device.

Tracking AF

Track your subject, even when the subject is moving or when you change the shooting composition.

Tap  → **Focus area** → **Tracking AF**, and select a subject.



- Tracking a subject may fail in the following conditions:
 - The subject is 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.
- If the camera fails to track the subject, the focus area will be reset.
- If the camera fails to focus, the focus frame will change to red and the focus will be reset.

Configuring general settings

On the Apps screen, tap **Camera** → ⚙️ → ▼.

- **Camera function volume:** Adjust the volume level for camera function sounds.
- **Beep:** Activate or deactivate beep sounds.
- **Guidelines:** Display viewfinder guides to help composition when selecting subjects.
- **Auto screen off:** Set the length of time the device waits before turning off the display's backlight.
- **Review:** Briefly display photos or videos taken.
- **Date/time Imprint:** Use this to imprint the time and date on photos.
- **GPS tag:** Attach a GPS location tag to the photo.

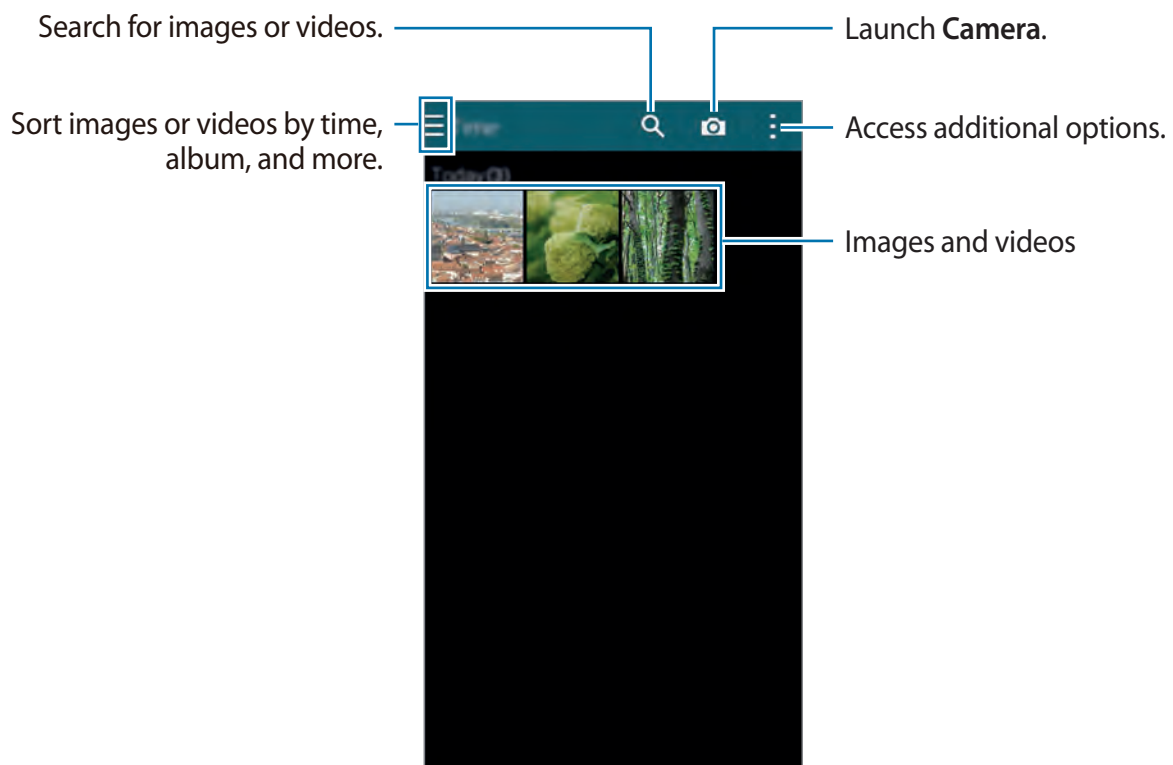


- To improve GPS signals, avoid shooting in locations where the signal may be obstructed, such as between buildings or in low-lying areas, or in poor weather conditions.
- Your location may appear on your photos when you upload them to the Internet. To avoid this, deactivate the GPS tag setting.
- **AF lamp:** Use this to activate the AF-assist light in low-light conditions
- **Start mode:** Select the shooting mode to use when the camera turns on.
- **Storage:** Select the memory location for storage.
- **Reset:** Reset the camera settings

Gallery

Viewing content on the device

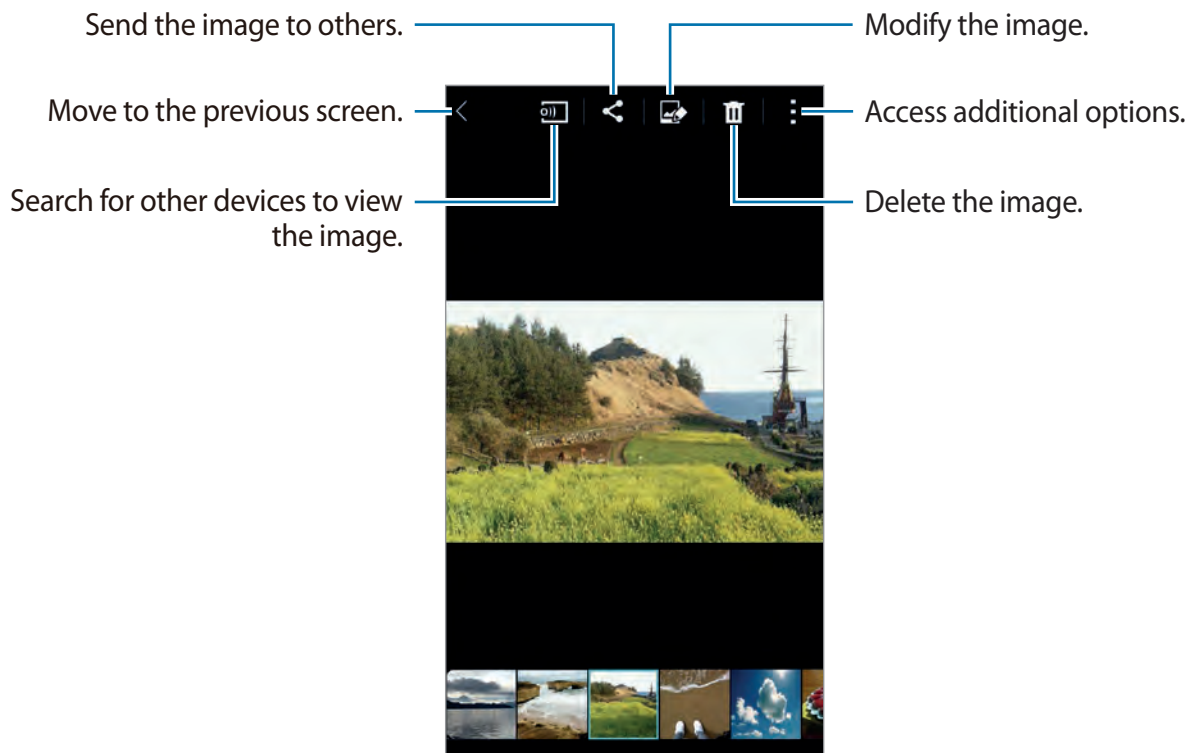
1 Tap **Gallery** on the Apps screen.



2 Select an image.

- Selecting multiple images:
When you tap and hold an image, ✓ appears on the image. Then, tap images to select more.
- Selecting all images:
When you tap and hold an image, ✓ appears on the image. Then, tap **1 selected** → **Select all**.

3 Select an option.



Viewing content stored on other devices

You can view content stored on other devices if the devices are registered with Samsung Link. Sign in to your Samsung account to view a list of other devices that have content available to view. Ensure that the registered devices are turned on and connected to a Wi-Fi or mobile network. Visit link.samsung.com for more information.



You may incur additional charges when you view content stored on other devices via the mobile network. To avoid additional charges, use the Wi-Fi feature.

Tap , select a device under **CONNECTED DEVICES**, and then select content.

Accessing additional options

Use additional options, such as sorting content, viewing slideshows, and more.

On the Apps screen, tap **Gallery** → , and then use the following options:

- **Select:** Select images or videos.
- **Delete:** Delete images.
- **Sort by oldest:** Sort the oldest images and videos on the device.
- **Create album:** Create a new album.
- **Content to display:** Select the images or videos to display.
- **Slideshow:** Start a slideshow with the images in the current folder.
- **Studio:** Edit images or videos in studio mode.
- **Settings:** Change the Gallery settings.
- **Help:** Access help information for Gallery.

Tagging faces

Register the faces in the image as face tags.

- 1 Tap **Gallery** on the Apps screen.
- 2 Tap  → **Settings**, and then tick **Face tag**.
A white frame appears around the recognised face.
- 3 Tap the face and tap **Add name**.

4 Select or add a contact to the tag, and then tap **Done**.

When the face tag appears on an image, tap the face tag and use available options, such as making calls or sending messages.



Face recognition success depends on the face's angle, size, skin colour and facial expression. Also, it depends on the light conditions and the accessories that the subject is wearing.

Using Tag buddy

Tag buddy allows you to tag photos with information, such as locations, person's names, and dates.

To activate Tag buddy, on the Apps screen, tap **Gallery** → **:** → **Settings** → **Tag buddy**, and then drag the **Tag buddy** switch to the right.

Select from the following tag options:

- **Date:** Add the time and date. The tagged information is based on the date and time currently-set on the device.
- **Location:** Add location details to photos that you take. Before using this feature, activate the GPS feature in **Camera**.
- **Category:** Assign categories to images. The device assigns categories to the images automatically.
- **Tags:** Add tags to display on photos. You can also tag people's faces by using the Face tag setting. Refer to [Tagging faces](#) for details.

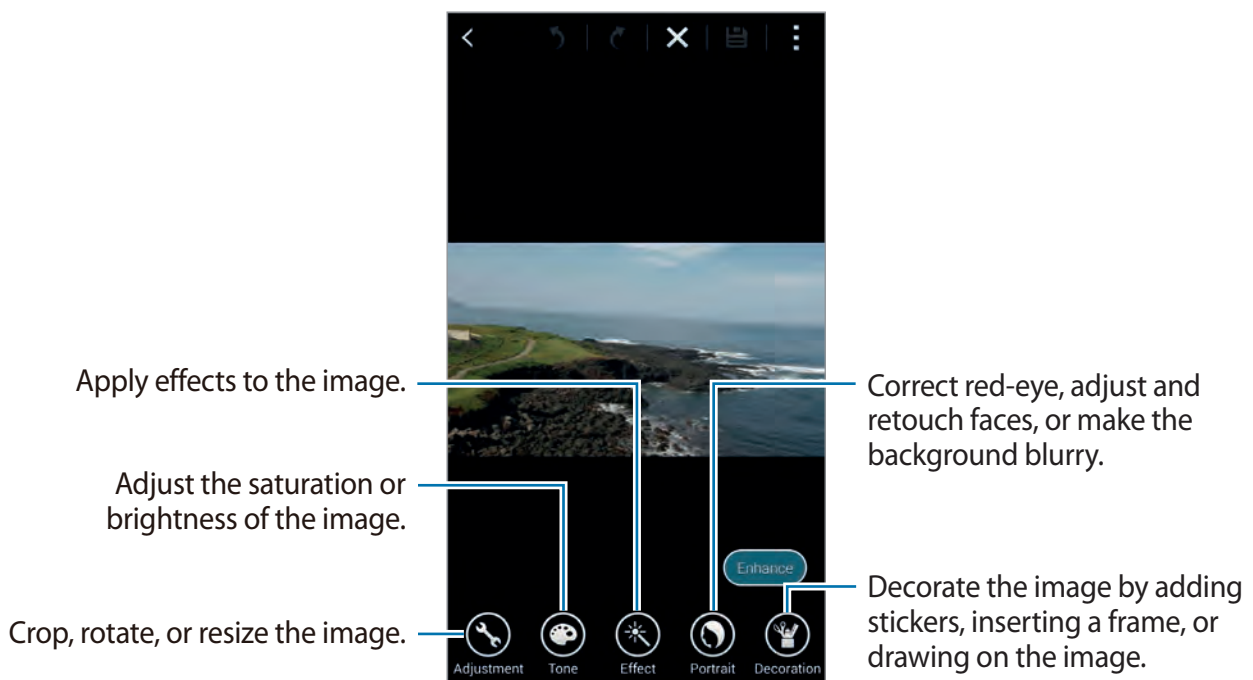
You can edit the information entered using Tag buddy. While viewing an image with tags, tap the tag information at the bottom of the screen. Then, tap , edit details, and then tap **Done**.

Studio

Using Photo studio

Edit images by applying various effects.

- 1 Tap **Studio** on the Apps screen.
- 2 Tap **Photo studio**, and then select an image.
- 3 Edit the image by applying various effects.



4 Tap **Done** → .

5 Select a save option and tap **OK**.

The edited photo is saved in the **Studio** folder. To open the folder, tap **Gallery** →  → **Album** → **Studio**.

Using Collage studio

Combine several images together to create a collage.

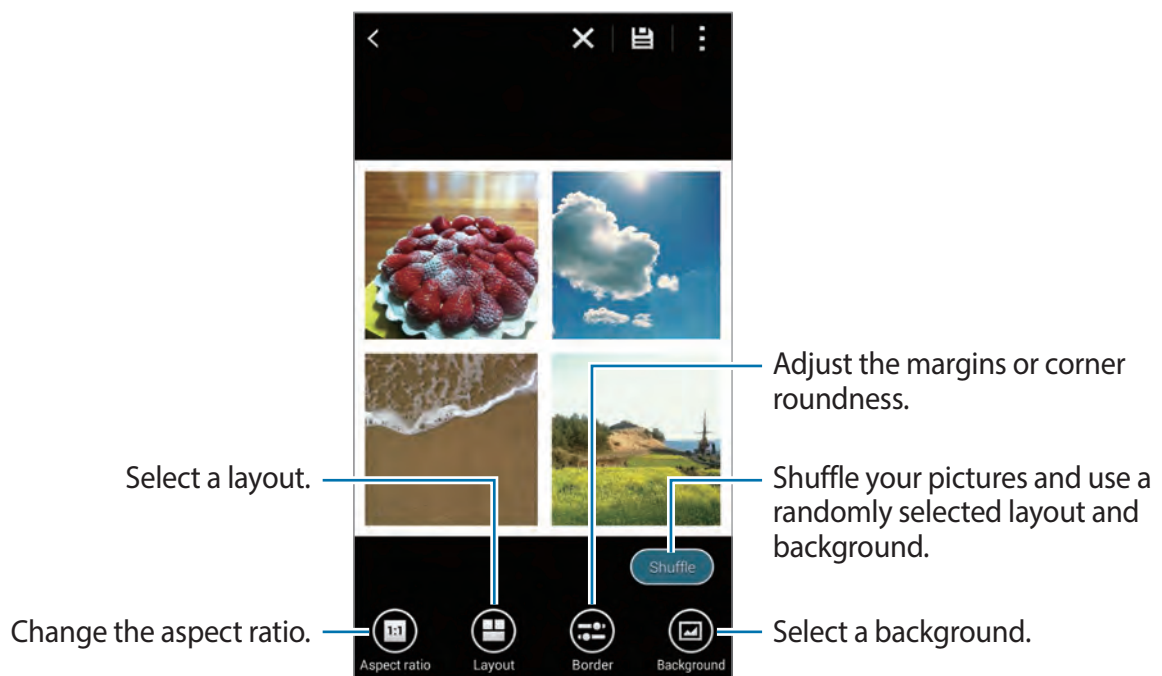
1 Tap **Studio** on the Apps screen.

2 Tap **Collage studio**.

3 Select images to combine and tap **Done**.

You can select up to six images.

4 Edit the image by applying various effects.



5 Tap .

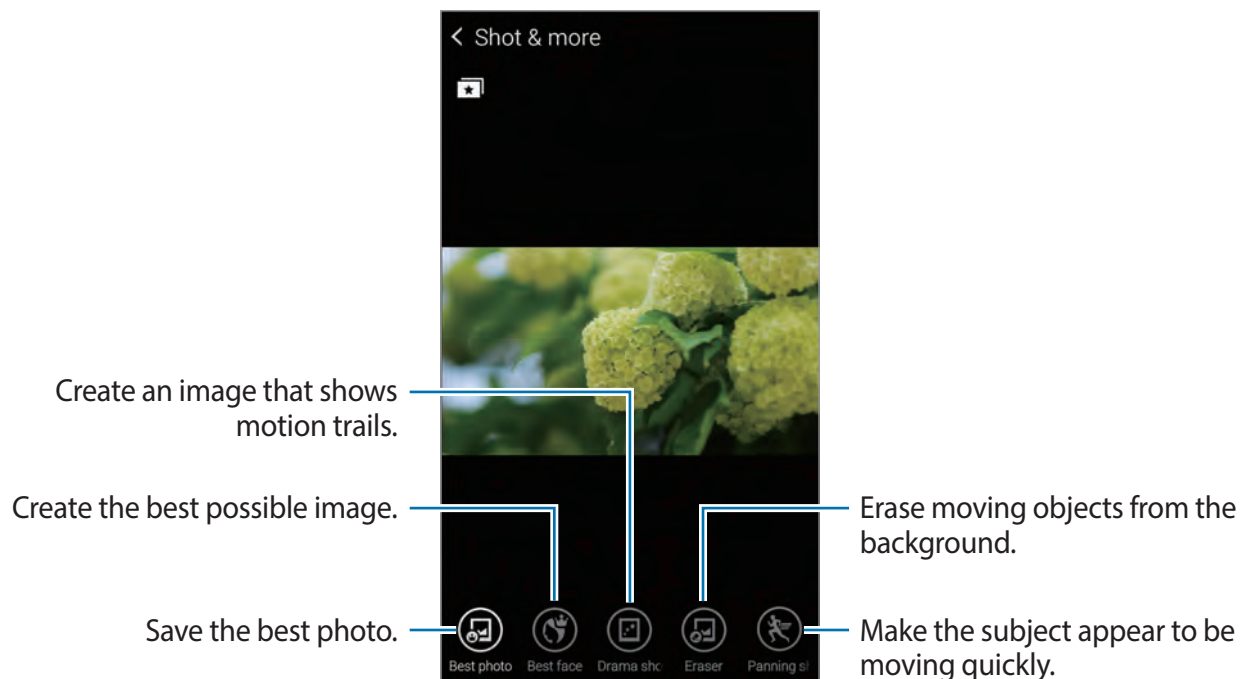
6 Select a save option and tap **OK**.

The edited image is saved in the Studio folder. To open the folder, tap **Gallery** →  → **Album** → **Studio**.

Using Shot & more

Apply various effects to the images you have taken.

- 1 Tap **Studio** on the Apps screen.
- 2 Tap **Shot & more**, and then select an image.
- 3 Edit the image by applying various effects.



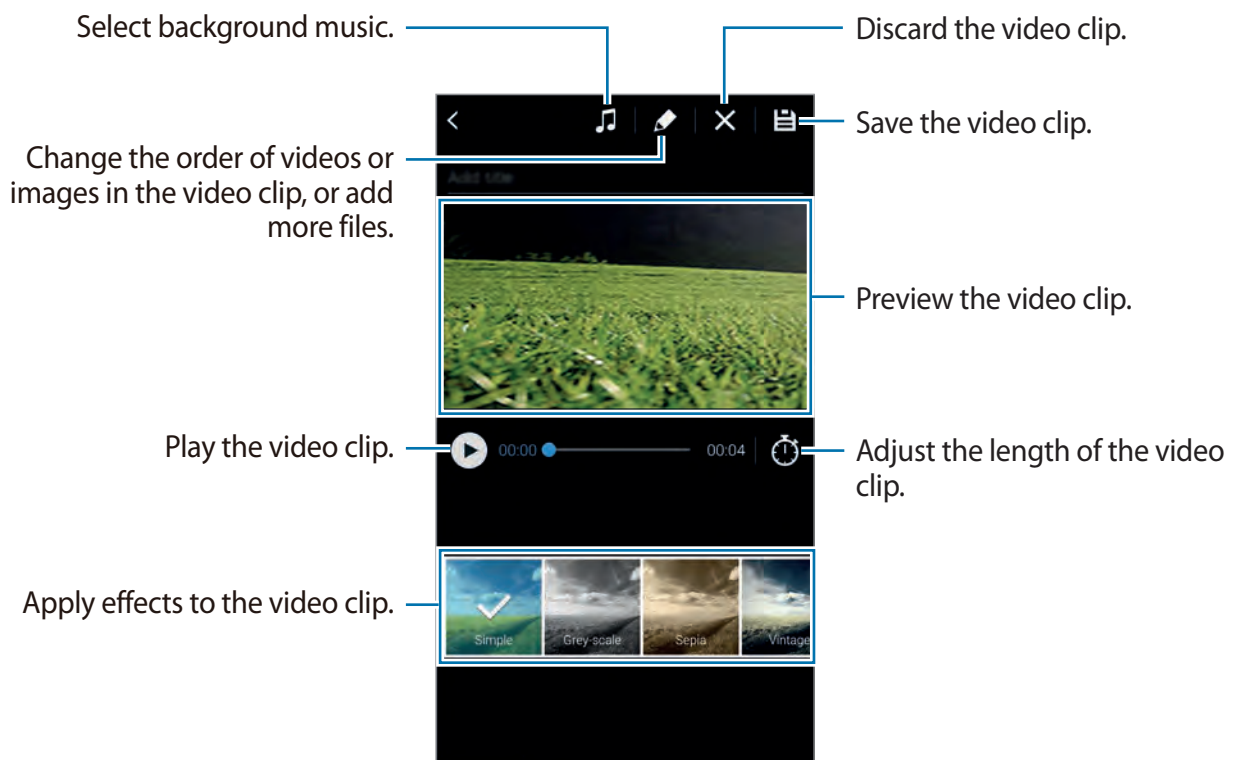
4 Tap .

The edited image is saved in the Studio folder. To open the folder, tap **Gallery** →  → **Album** → **Studio**.

Using Video clip studio

Edit or create videos with multiple images.

- 1 Tap **Studio** on the Apps screen.
- 2 Tap **Video clip studio**.
- 3 Select videos to edit and tap **Done**.
You can also select images to create a video.
- 4 Edit the video by applying various effects.



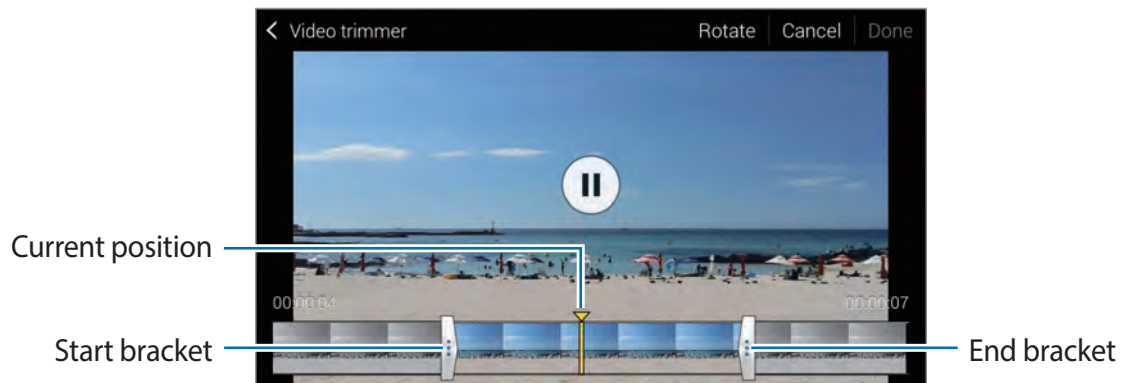
- 5 Tap .
- 6 Select a save option and tap **Done**.

The edited video is saved in the **Studio** folder. To open the folder, tap **Gallery** →  → **Album** → **Studio**.

Using Video trimmer

Trim video segments.

- 1 Tap **Studio** on the Apps screen.
- 2 Tap **Video trimmer**, and then select a video.
- 3 Move the start bracket to the desired starting point, move the end bracket to the desired ending point, tap **Done**.



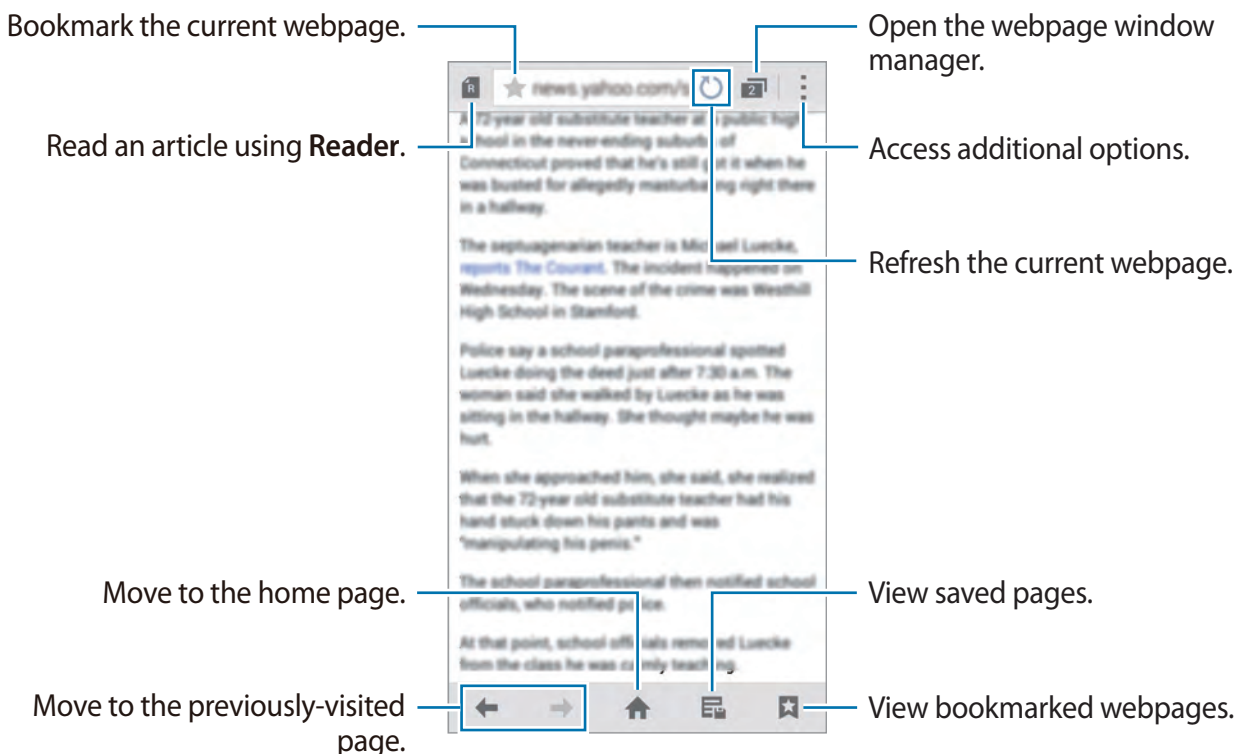
- 4 Enter a filename, and then tap **OK** to save the video.

Internet & SNS

Internet

Browsing webpages

- 1 Tap **Internet** on the Apps screen.
- 2 Tap the address field. To change the search engine, tap the search engine icon next to the web address field.
- 3 Enter the web address or a keyword, and then tap **Go**. To search the web by voice, tap . To view the toolbars, drag your finger downwards slightly on the screen.



Managing favourite webpages

You can set frequently-used webpages as favourite pages and then access them quickly.

Tap **Internet** on the Apps screen.

Tap  to view the quick access list.

To add a webpage to the quick access list while viewing a webpage, tap  → **Add to Quick access**.

To delete a webpage from the quick access list, tap and hold a webpage icon, and then drag it to **Delete** that appears at the top of the screen.

Managing the webpage history

Tap **Internet** on the Apps screen.

Tap  → **History** to open a webpage from the list of recently-visited webpages.

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

To delete webpages in the history, tap  → **Delete**, select webpages to delete, and then tap **Done**.

Chrome

Use this app to search for information and browse webpages.

Tap **Chrome** on the Apps screen.



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

Tap the address field, enter the web address or a keyword, and then tap **Go**.

Hangouts

Use this app to chat and socialise with your friends individually or in groups.

Tap **Hangouts** on the Apps screen.



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

Select a friend from the friends list or enter data to search and select a friend from the results to start chatting.

ChatON

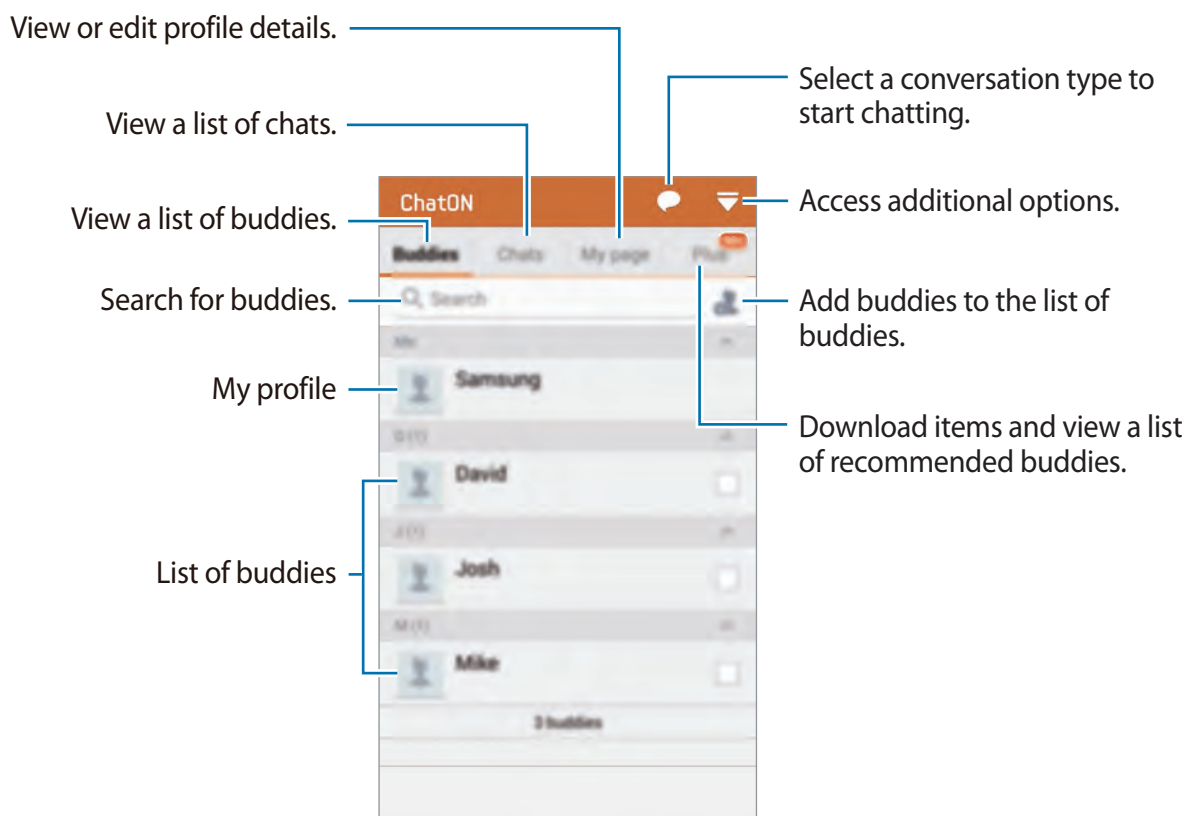
Use this app to chat and socialise with your friends individually or in groups. When you sign in to your Samsung account, you can view all your chat history sent from registered devices.

Tap **ChatON** on the Apps screen.



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

Follow the on-screen instructions to complete the setup.



Chatting with buddies

Tap  → **Start chat**, and then select a buddy to start chatting with. Then, enter a message in the text field and tap .

To send a broadcast message, tap  → **Broadcast**.

To start voice or video chat, tap  → **ChatON Voice Chat** or **ChatON Video Chat**.



Video chatting with dual camera mode will be provided for up to 3 minutes. After 3 minutes the device will turn off the rear camera for optimal performance.

Voice features

S Voice

About S Voice

Use this app to command the device by voice to perform various features.

Tap **S Voice** on the Apps screen. Alternatively, press the Home button twice.

To deactivate the access by pressing the Home button, tap **⋮** → **Settings**, and then deselect **Open via the home key**.



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

Setting the language

Tap **⋮** → **Settings** → **Language**, and then select a language.



The selected language is applied to **S Voice** only, not to the device's display language.

Using S Voice

When you launch **S Voice**, the device starts voice recognition and the microphone icon turns red.

Say a voice command.

If you say a command and the device recognises it, the microphone icon at the bottom of the screen flashes green. Then, the device performs the command.

Tips for better voice recognition:

- Speak clearly.
- Speak in quiet places.
- Do not use offensive or slang words.
- Avoid speaking in dialectal accents.

The device may not recognise your commands or may perform unwanted commands depending on your surroundings or how you speak.

Waking up S Voice in standby mode

If S Voice is not used for a certain period, it automatically switches to standby mode.

Tap the microphone icon or say “Hi Galaxy” to the device to resume voice recognition.

Changing the wake-up command

You can change the wake-up command from “Hi Galaxy”. The wake-up command is used to launch **S Voice** when the device is in standby mode.

Tap  → **Settings** → **Voice wake-up** → **Set wake-up command**.

Disabling voice feedback

Tap  → **Disable voice prompt**. The device stops providing voice feedback when you say commands.

Correcting unwanted voice commands

You can edit the voice commands if the device does not recognise them correctly.

To correct a voice command, tap the last speech bubble that contains your spoken text and edit the text with the keyboard.

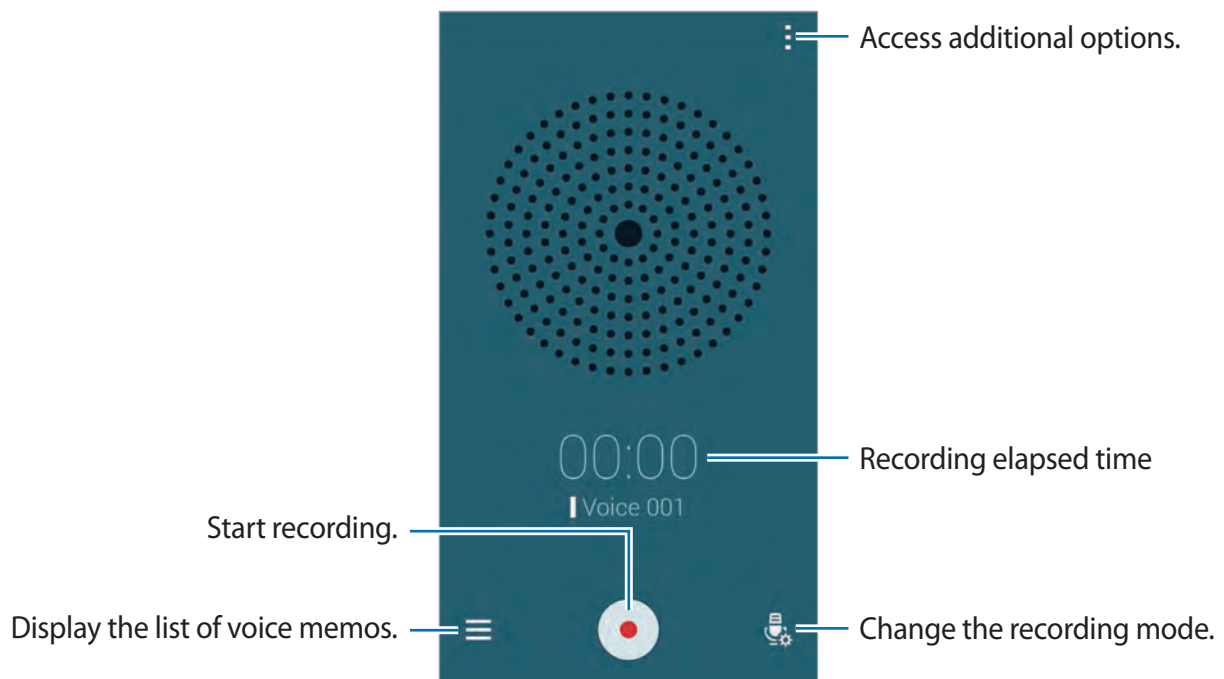
Voice Recorder

Recording voice memos

Tap **Voice Recorder** on the Apps screen.

Tap  to start recording. Speak into the microphone at the bottom of the device. Tap  to pause recording. To cancel recording, tap . Tap  to finish recording.

While recording a voice memo, tap  to insert a bookmark.



To set the device to remove background noise, tap  → **Settings**, and then tick **Noise reduction**.

Saving files with contextual tags

Add contextual tags, such as locations and dates, to filenames when saving voice memos.

Tap  → **Settings**, and then tick **Contextual filename**. The device adds the recording date to a filename. To add the location where a voice memo is recorded, tap  → **Settings**, and then tick **Location tags**.

Playing voice memos

Tap **Voice Recorder** on the Apps screen.

Tap  and select a voice memo to play.

- : Trim the voice memo.
- : Set a portion of the voice memo for looped play.
- **x1.0**: Adjust the playback speed.
- : Skip a silent portion in the voice memo.
- : Insert bookmarks on the voice memo.
-  / : Pause or resume playback.
-  / : Skip to the previous or next voice memo.

Using the bookmarks list

You can mark specific points in a voice memo with bookmarks. Each bookmark is marked with a bookmark icon on the voice memo.

To view the bookmark details while a voice memo is playing, tap  → **Bookmarks**. Select a bookmark from the bookmark list to play the voice memo from that position.

Managing voice memos

On the Apps screen, tap **Voice Recorder** → .

Tap  to search for voice memos.

Tap  to delete voice memos.

Tap  and select one of the following:

- **Select:** Select voice memos to share or delete.
- **Sort by:** Sort memos by date, title, or category.
- **Filter by category:** View memos filtered by a category.
- **Edit categories:** Add, delete, or rename categories.
- **Settings:** Change the voice recorder settings.

Renaming voice memos

Tap and hold the voice memo, tap  → **Rename**, enter the name for the voice memo, and then tap **OK**.

Managing categories

Tap  → **Edit categories** → , enter a category name, select a colour, and then tap **Done**.

To change or assign voice memo categories, in the list of voice memos, tap and hold the voice memo. Then, tap  → **Change category**, and then select the category.

To filter voice memos by category, tap  → **Filter by category**, and then select the category.

Voice Search

Use this app to search webpages by speaking.

Tap **Voice Search** on the Apps screen.



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

Say a keyword or phrase when **Speak now** appears on the screen.

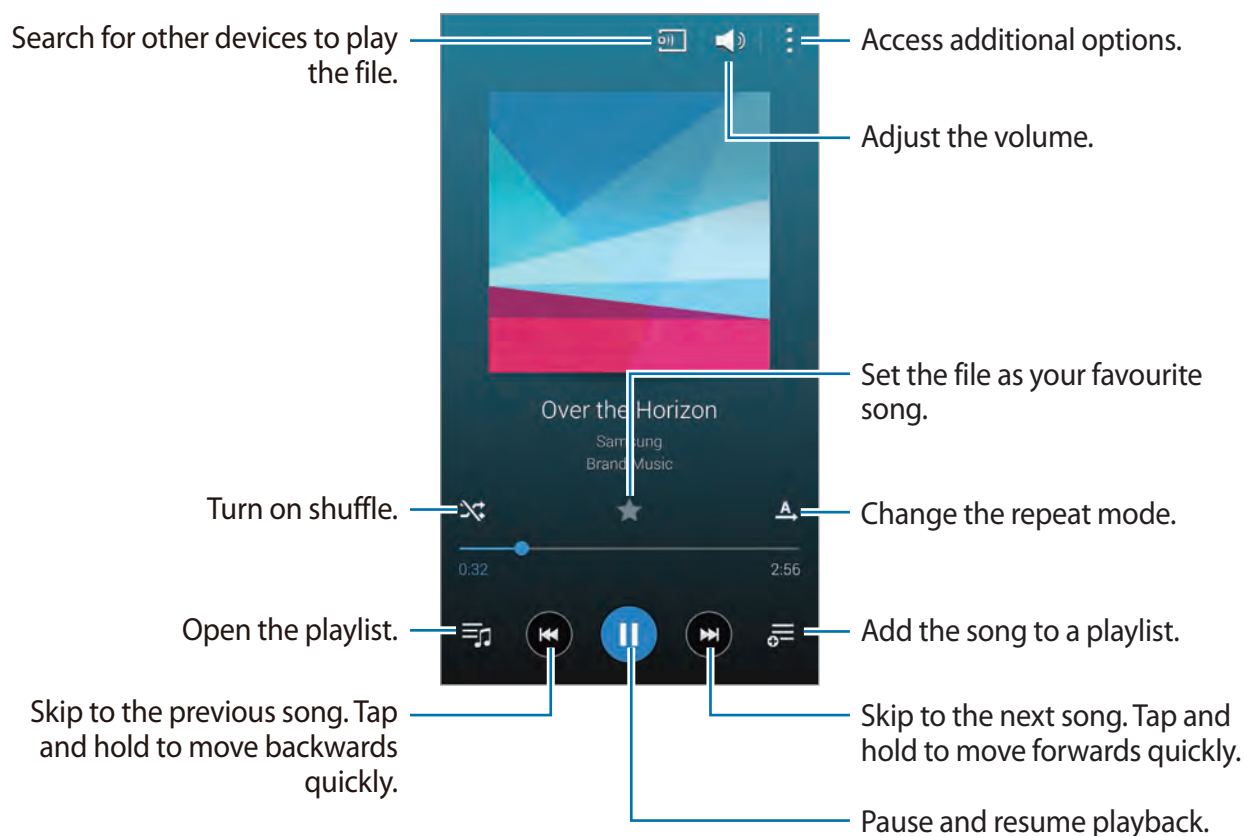
Multimedia

Music

Playing music

Tap **Music** on the Apps screen.

Select a music category, and then select a song to play.



To listen to songs at equal volume levels, tap  → **Settings**, and then tick **Smart volume**.



When **Smart volume** is activated, the volume may end up louder than the device volume level. Use caution to avoid long-term exposure to loud sounds to prevent damage to your hearing.



Smart volume may not be activated for some files.

To set a personalised sound while listening to songs with a headset, tap  → **Settings** → **Adapt Sound** → **On**.

When you activate this option for the first time, tap **Start** to adjust the sound. The device starts a series of sound tests to adjust the sound level and starts to beep. Tap **Yes** if you can hear the beep or **No** if you cannot. Repeat this step for each test until the sound adjustment is finished. Then, tick **Music sound** to apply the option when you listen to music.



When you turn the volume up to level 14 or higher, the adapt sound option is not applied to music playback. If you turn the volume down to level 13 or lower, the option is reapplied.

Setting a song as ringtone or alarm tone

To use the currently-playing song as a ringtone or an alarm tone, tap  → **Set as** → **From the beginning** or **Auto recommendations**, select an option, and then tap **Done**.

Creating playlists

Make an own selection of songs.

Tap **Music** on the Apps screen.

Tap **Playlists** →  → **Create playlist**. Enter a title and tap **OK**. Tap **+**, select songs to include, and then tap **Done**.

To add the currently-playing song to a playlist, tap  and select the playlist.

Playing music by mood

Use this feature to play music that suits your mood.

Tap **Music** on the Apps screen.

Tap **Music square**. Songs are automatically categorised by mood. Tap a mood cell or drag multiple cells to listen to the music in the cells.



Song categories are based on available information about the song. Some songs may not be categorised in mood cells.

Playing music stored on other devices

Search for music that is stored on other devices and play it on your device.

Tap **Music** on the Apps screen.

Accessing music on a registered device

Tap **Devices** and select a device in **REGISTERED DEVICES** to access and play music. You can play the song on the devices that are registered to Samsung link. Visit link.samsung.com for more information. Ensure that the registered devices are turned on and connected to a Wi-Fi or mobile network.



You may incur additional charges when you view content stored on other devices via the mobile network. To avoid additional charges, use the Wi-Fi feature.

Accessing music on a nearby device

Tap **Devices** and select a device in **NEARBY DEVICES** to access and play music. You can play the song on the devices with content sharing feature activated.

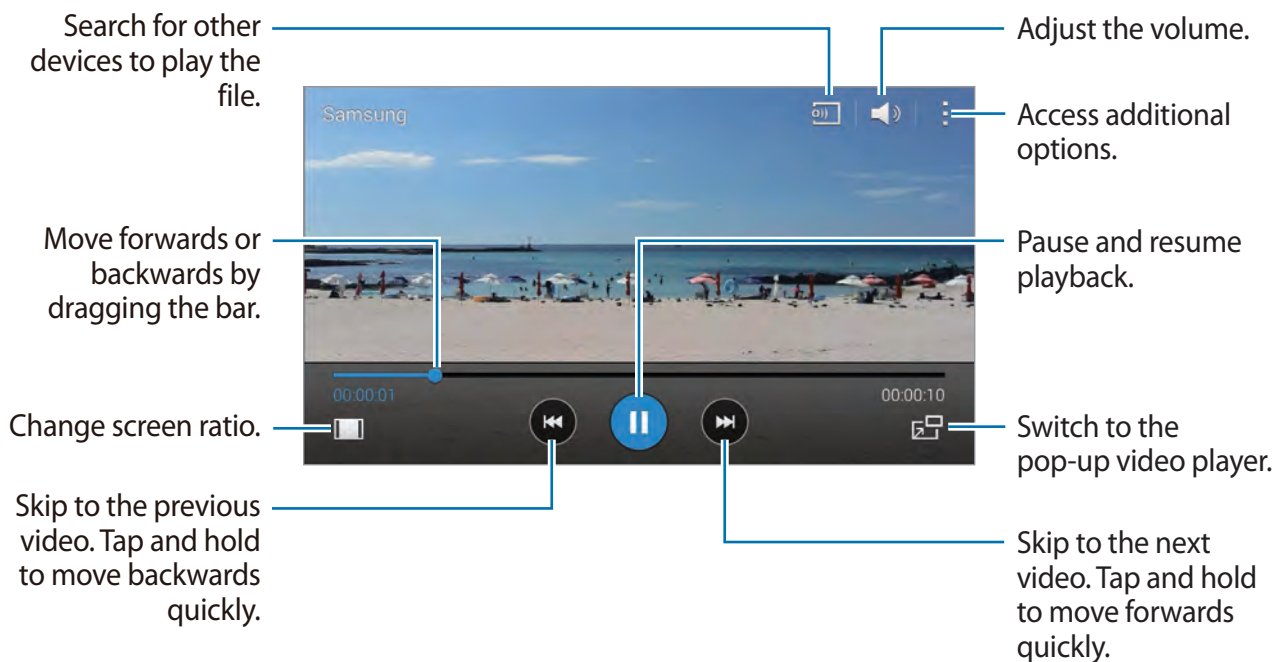
To activate the feature, on the Apps screen, tap **Settings** → **Nearby devices**, and then drag the **Nearby devices** switch to the right. Refer to [Nearby devices](#) for more settings.

Video

Playing videos

Tap **Video** on the Apps screen.

Select a video to play.



To customise the control panel location during playback, tap **⋮** → **Settings**, tick **Mini controller**, and then tap **Close**. Then, tap **◀** or **▶** to move the control panel to either side of the screen.



This feature is available only in landscape orientation.

Using the pop-up video player

Use this feature to use other apps without closing the video player. While watching videos, tap **📺** to use the pop-up video player.

Spread two fingers apart on the screen to enlarge the player or pinch to reduce it. To move the player, drag the player to another location.

Capturing images

To use this feature, during playback, tap  → **Settings**, tick **Capture**, and then tap **Close**.

Tap  to capture an image from the video during playback.

Sharing or deleting videos

Tap **Video** on the Apps screen.

Tap  → **Select**, select videos, tap  → **Share via**, and then select a sharing method.

Tap  → **Delete**, select videos, and then tap **Done**.

Editing videos

Tap **Video** on the Apps screen.

Select a video, tap  → **Edit** → **Video trimmer**. Move the start bracket to the desired starting point, move the end bracket to the desired ending point, tap **Done**, enter a filename, and then tap **OK** to save the video.

To edit videos using a video editor app, tap **Video Editor**.

Playing videos stored on other devices

Search for videos that are stored on other devices and play them on your device.

Tap **Video** on the Apps screen.

Accessing a video on a registered device

Tap **Devices** and select a device in **REGISTERED DEVICES** to access and play the video. You can play the video on the devices that are registered to Samsung link. Visit link.samsung.com for more information. Ensure that the registered devices are turned on and connected to a Wi-Fi or mobile network.



You may incur additional charges when you view content stored on other devices via the mobile network. To avoid additional charges, use the Wi-Fi feature.

Accessing a video on a nearby device

Tap **Devices** and select a device in **NEARBY DEVICES** to access and play the video. You can play the video on devices that have the content sharing feature activated.

To activate the content sharing feature, on the Apps screen, tap **Settings** → **Nearby devices**, and then drag the **Nearby devices** switch to the right. Refer to [Nearby devices](#) for more settings.

YouTube

Use this app to watch videos from the YouTube website.

Tap **YouTube** on the Apps screen.



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

Watching videos

Tap  and select a category. To search for a video by entering a keyword, tap .

Rotate the device to landscape orientation to display full screen.

Sharing videos

Select the video to view, tap , and then select a sharing method.

Uploading videos

Tap  → **Uploads** → , select a video, enter information for the video, and then tap .

Flipboard

Use this app to access your personalised magazines.

Tap **Flipboard** on the Apps screen.



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

To start your Flipboard, flick up on the greeting page, select news topics, and then tap **Build Your Flipboard**.

Select a cover story or a topic, flick through the Flipboard pages, and then select an article to read.

Google+

Use this app to stay connected with people via Google's social network service.

Tap **Google+** on the Apps screen.



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

Tap **All** to change the category, and then scroll up or down to view posts from your circles.

Photos

Use this app to manage photos, albums, and videos that you have saved on the device and uploaded to **Google+**.

Tap **Photos** on the Apps screen.



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

Play Games

Use this app to download and play games.

Tap **Play Games** on the Apps screen.



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

Play Music

Use this app to listen to music from the device or stream music from the Google cloud service.

Tap **Play Music** on the Apps screen.



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

Play Newsstand

Use this app to read the latest news articles.

Tap **Play Newsstand** on the Apps screen.



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

Safety

Emergency mode

About emergency mode

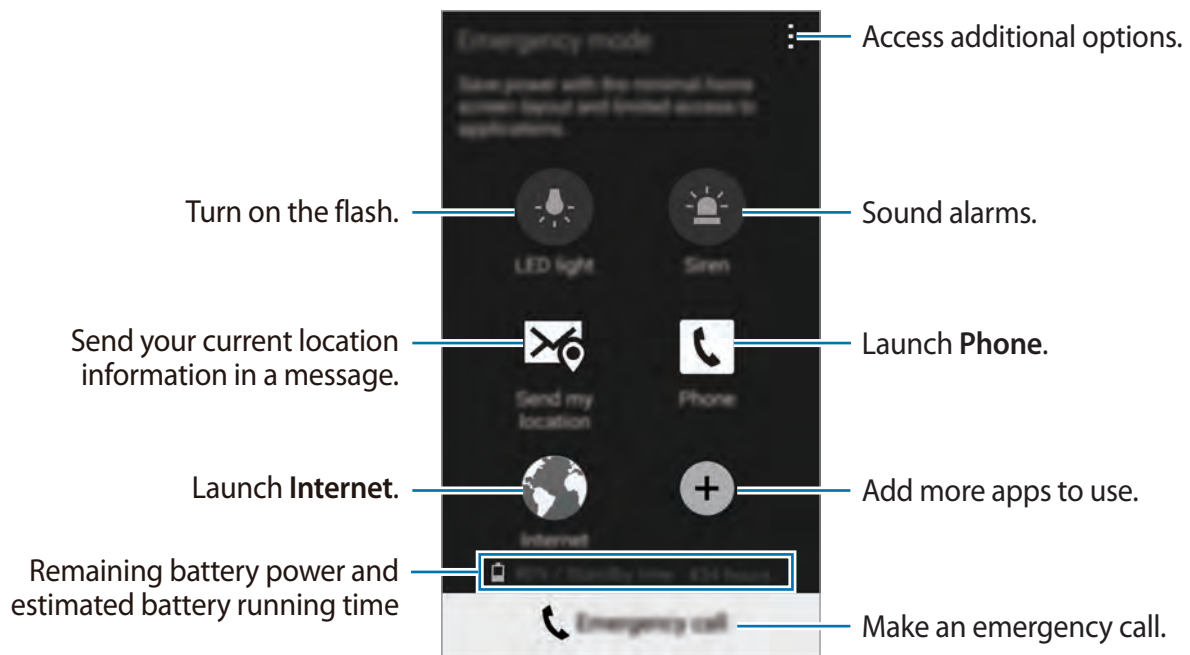
Use this mode to extend the device's standby time when you are in an emergency situation. When this mode is activated, the screen's brightness decreases and battery consumption is reduced by restricting some features. You can also turn on the flash, sound alarms, and send your location information to others in a message.

Activating emergency mode

Press and hold the Power button, and then tap **Emergency mode**. Alternatively, on the Apps screen, tap **Settings** → **Safety assistance** → **Emergency mode**, and then drag the **Emergency mode** switch to the right.



You may incur additional charges for sending messages or using the mobile network.



The maximum standby time is the estimated time that the device will maintain a battery charge. The standby time is the time taken for the battery to fully discharge if the device is not used. Standby time may vary depending on device settings and operating conditions.

Deactivating emergency mode

To deactivate emergency mode, press and hold the Power button, and then tap **Emergency mode**. Alternatively, tap **⋮** → **Disable Emergency mode**. Emergency mode is deactivated.

Sending help messages

About sending help messages

You can preset contacts to send a message to in an emergency. Make calls or send messages to your primary contacts by quickly pressing the Power button three times.

On the Apps screen, tap **Settings** → **Safety assistance**.

Adding primary contacts

- 1 On the Apps screen, tap **Settings** → **Safety assistance**.
- 2 Tap **Manage primary contacts** → **Create primary contact**.
- 3 Tap **Create new contact** and enter contact information or tap **Select from contacts** to add an existing contact as a primary contact.

Setting help messages

On the Apps screen, tap **Settings** → **Safety assistance** → **Send help messages**, drag the **Send help messages** switch to the right, and then select content to include in help messages.

Sending help messages

In an emergency situation, quickly press the Power button three times. The device sends messages to your primary contacts. The messages include your location information.



You may incur additional charges for sending messages or using the mobile network.

Severe weather notification (Geo News)

About severe weather notification (Geo News)

Use this feature to receive notifications about severe weather conditions close to your current location.



- The feature identifies your location and provides you with information about disasters if they occur in your area. The information provided may differ depending on the service provider in your current location.

To view information about severe weather conditions and the regions and languages that the information is available in, visit www.samsung.com/geonews.

- You may incur additional charges if you receive notifications from a weather forecasting service while you are roaming.

Setting severe weather notifications

On the Apps screen, tap **Settings** → **Safety assistance** → **Geo News**, and then drag the **Geo News** switch to the right.

Receiving notifications

On the Apps screen, tap **Settings** → **Safety assistance** → **Geo News**, and then drag the **Geo News** switch to the right.

Warning notifications

Tick **Notification pop-ups**.

If the weather conditions worsen, the device displays the notification in a pop-up window. You can make an emergency call or send emergency messages to preset contacts from the pop-up window.

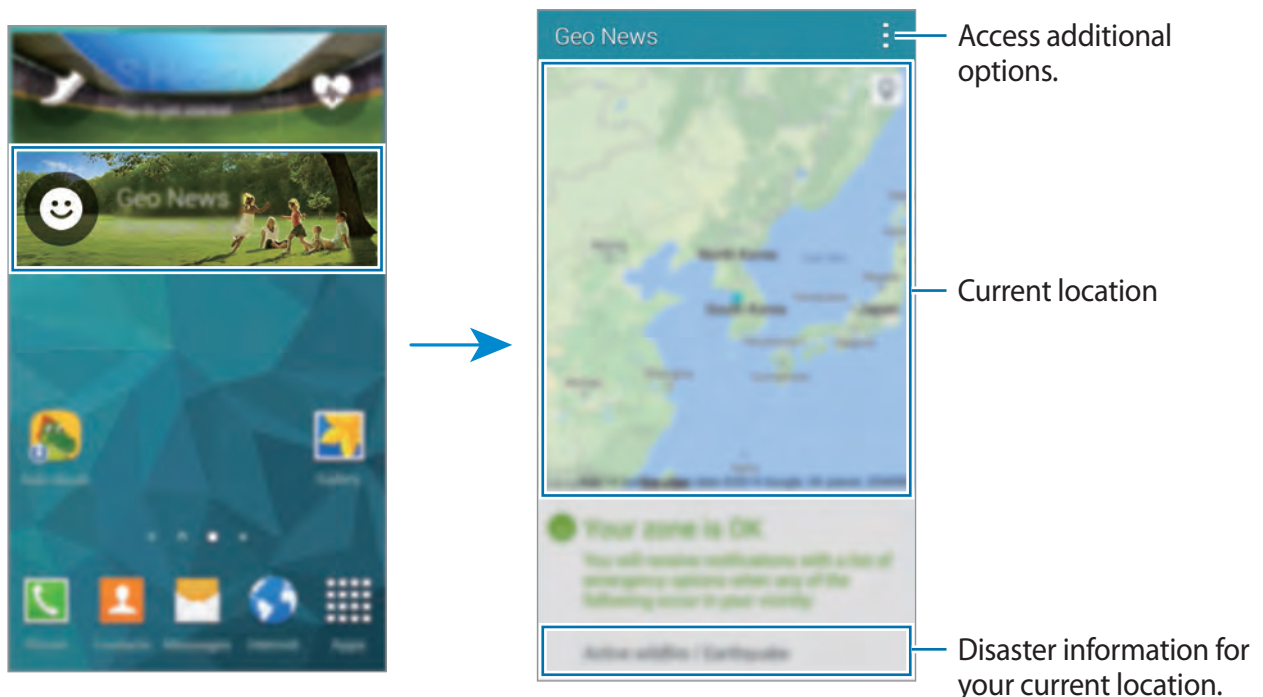
Watch notifications

Notifications for less severe weather conditions appear on the status bar at the top of the screen. The information provided is displayed in the **Geo News** widget.

Using the geo news widget

You can view your current location and information about disasters in your region in the **Geo News** widget.

On the Home screen, scroll left and tap the **Geo News** widget.



Utilities

S Finder

Use this app to search for content on the device and via the Internet. You can apply various filters and view the search history.

Open the notifications panel and tap **S Finder**.

Searching for content

Tap the search field and enter a keyword, or tap  and say a keyword.

To get more refined results, tap  and apply filters under the search field.

To update the list of search results, tap  → **Refresh**.

You can set the search parameters using the available filters or select search categories. Tap  → **Settings** → **Select filters** or **Select search category**.

Managing the search history

To delete the history, tap  → **Settings** → **Delete history**.

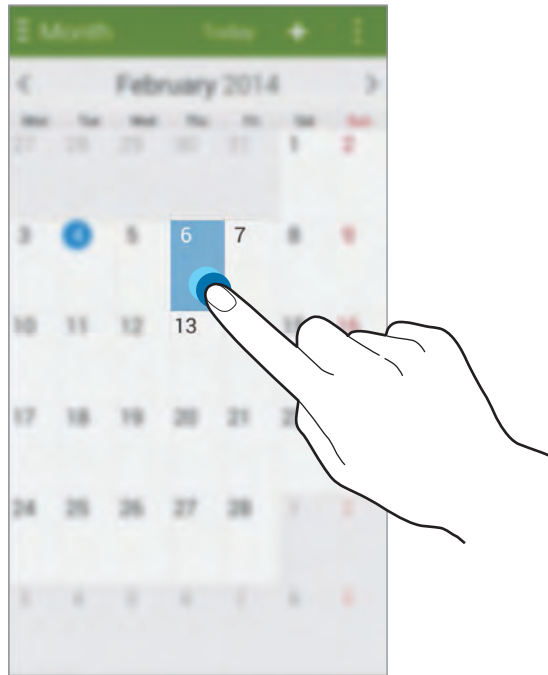
To set the device not to save the search results, tap  → **Settings**, and then deselect **Save search history**.

S Planner

Starting S Planner

Use this app to manage events and tasks.

Tap **S Planner** on the Apps screen.

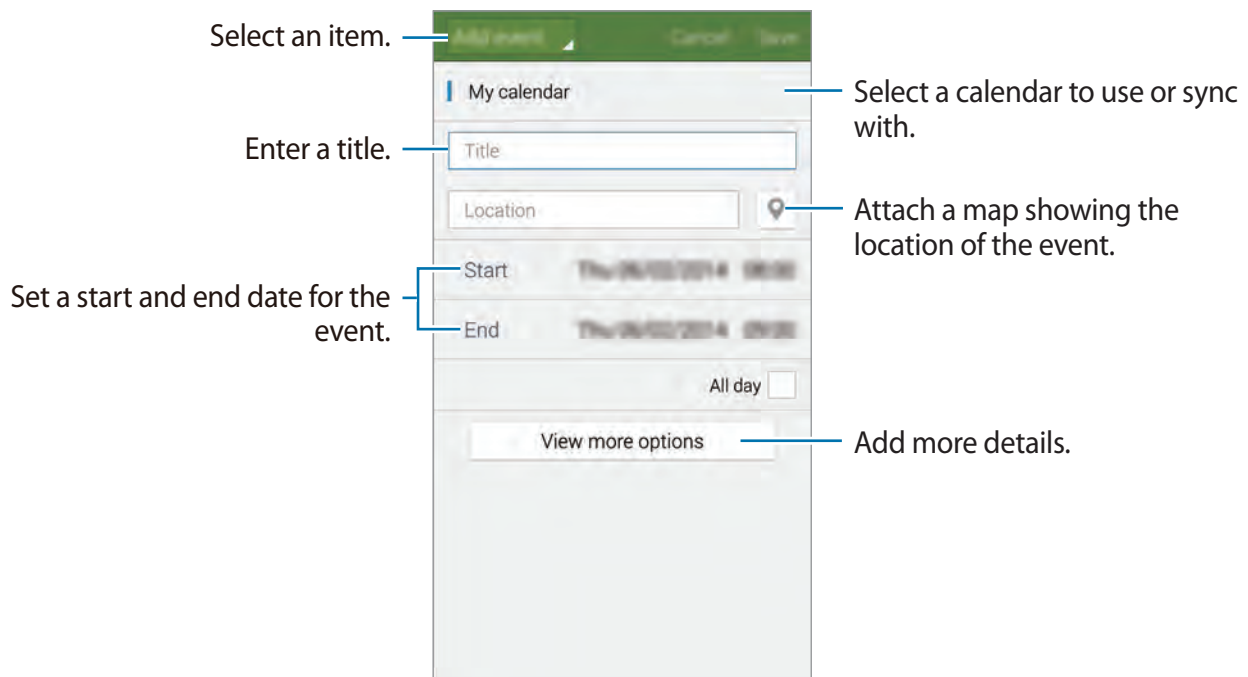


Tap  and use the following:

- **Go to:** Move to a specific date.
- **Delete:** Delete events or tasks.
- **Search:** Search for events or tasks.
- **Calendars:** Select the calendars to display.
- **Sync:** Sync events and tasks with your accounts.
- **Settings:** Change settings for S Planner.

Creating events or tasks

- 1 Tap **S Planner** on the Apps screen.
- 2 Tap **+**. Alternatively, select a date with no events or tasks in it and tap the date again. If the date already has saved events or tasks in it, tap the date and tap **+**.
- 3 Select either event or task and enter details.
 - **Add event:** Set a start and end date for an event. You can set an optional repeat setting.
 - **Add task:** Add a task to do on a specific date. You can set an optional priority setting.



- 4 Tap **Save** to save the event or task.

Syncing events and tasks with your accounts

Tap **S Planner** on the Apps screen.

To sync events and tasks with your accounts, tap  → **Sync**.

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

To change an account's syncing option, tap **Settings** → **Accounts**, and then select an account service.

Deleting events or tasks

Tap **S Planner** on the Apps screen.

To delete events or tasks, tap  → **Delete**, select the events or tasks, and then tap **Done**.

To delete an event or task while viewing it, tap  → **OK**.

To mark tasks as completed, tap a date that has tasks in it and tick completed tasks.

Sharing events or tasks

Tap **S Planner** on the Apps screen.

To share an event or task while viewing it, tap  → **Share via**, and then select a sharing method.

Calculator

Use this app for simple or complex calculations.

Tap **Calculator** on the Apps screen.

Rotate the device to landscape orientation to display the scientific calculator. If **Screen rotation** is disabled, tap  → **Scientific calculator**.

To see the calculation history, tap  to hide the keypad.

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

Clock

Alarm

On the Apps screen, tap **Clock** → **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**.

- **Snooze:** Set an interval and the number of times for the alarm to repeat after the preset time.
- **Smart alarm:** Set a time and tone for the smart alarm. A smart alarm starts at a low volume a few minutes before a preset alarm is scheduled to sound. The volume of the smart alarm increases gradually until you turn it off or the preset alarm sounds.

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

Stopping alarms

Drag  outside the large circle to stop an alarm. Drag  outside the large circle to repeat the alarm after a specified length of time.

Deleting alarms

Tap  → **Delete**, select alarms, and then tap **Done**.

World clock

On the Apps screen, tap **Clock** → **World clock**.

Creating clocks

Tap  and enter a city name or select a city from the cities list.

To apply summer time, tap and hold a clock, and then tap .

Deleting clocks

Tap  → **Delete**, select clocks, and then tap **Done**.

Stopwatch

On the Apps screen, tap **Clock** → **Stopwatch**.

Tap **Start** to time an event. Tap **Lap** to record lap times.

Tap **Stop** to stop timing. To clear lap times, tap **Reset**.

Timer

On the Apps screen, tap **Clock** → **Timer**.

Set the duration, and then tap **Start**.

Drag  outside the large circle when the timer goes off.

Drive

Use this app to access files stored in your Google Drive storage service. You can store all your files in one place, access them from anywhere, and share them with others.

Tap **Drive** on the Apps screen.



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

Dropbox

Use this app to save and share files with others via the Dropbox cloud storage. When you save files to Dropbox, your device automatically syncs with the web server and any other devices that have Dropbox installed.



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

1 Tap **Dropbox** on the Apps screen.

2 Sign in to your Dropbox account. If you do not have it, create a Dropbox account.

3 Tap **Turn on Camera Upload**.

The device uploads photos taken with the device's camera to Dropbox. To upload videos, drag the **Include videos** switch to the right.

To upload photos or videos manually, tap **Skip this**.

4 Use the following functions:

-  : Upload or open files. Tap  → **Upload here** to upload files.
-  : View the uploaded photos or videos. Tap  to share or delete files, or create albums.
-  : Open files in the favourites list.
-  : View notifications.

Google

Use this app to search the Internet. You can also use it to search for apps and app content saved on the device or memory card.

Tap **Google** on the Apps screen.



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

Searching the device

Tap the search field, and then enter a keyword. Alternatively, tap , and then say a keyword.

Google Now

View Google Now cards that show the current weather, public transit info, your next appointment, and more when you are most likely to need it.

Join Google Now when you launch **Google** for the first time. To change Google Now settings, tap  → **Settings**, and then drag the **Google Now** switch to the left or right.

Maps

Use this app to pinpoint the location of the device, search for places, or get directions.

Tap **Maps** on the Apps screen.



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

Searching for locations

Search for locations by entering an address or a keyword. Once the location is found, select a location to view the detailed information. Refer to the help for more information.

Getting directions for a destination

Tap  to set starting and ending locations, and then select a travel method. The device shows the routes to get to the destination.

Memo

Use this app to record important information to save and view at a later date.

Tap **Memo** on the Apps screen.

Adding and managing categories

Create categories to sort and manage your memos.

On the memos list, tap  → **Manage categories**.

To add a new category, tap , enter a category name, and then tap **OK**.

To delete a category, tap  next to the category.

To rename a category, tap and hold a category name, enter a new name for the category, and then tap **OK**.

To change the category order, tap  next to a category and drag it up or down to another position.

Composing memos

Tap **+** on the memos list and enter a memo. While composing a memo, use the following options:

- : Create or set a category.
- : Insert images.
- : Make a voice recording to insert.

To save the memo, tap **Done**.

To edit a memo, tap a memo, and then tap the content of the memo.

Searching for memos

Tap **Q** on the memos list and enter a keyword to search for memos that include the keyword.

Deleting memos

Tap  → **Delete**, select memos, and then tap **Done**.

To delete the memo while viewing it, tap  → **Delete**.

My Files

About My Files

Use this app to access all kinds of files stored in the device, including images, videos, songs, and sound clips.

Tap **My Files** on the Apps screen.

Viewing files

Tap **My Files** on the Apps screen.

Select a folder to open it. To go up a level in the directory, tap . To return to the My Files main screen, tap .

Select a folder, tap , and then use one of the following options:

- **Select:** Select files or folders.
- **Delete:** Delete files or folders.
- **Create folder:** Create a folder.
- **View mode:** Change the view mode.
- **Sort by:** Sort files or folders.
- **Add shortcut:** Add a shortcut to the folder on the Home screen or the My Files main screen.
- **Settings:** Change the file manager settings.

Tap and hold a file or folder, and then use one of the following options:

- : Send files to others or share them.
- : Delete files or folders.
-  → **Move:** Move files or folders to another folder.
-  → **Copy:** Copy files or folders to another folder.
-  → **Rename:** Rename a file or folder.
-  → **Add shortcut:** Add a shortcut of the folder to the Home screen or the My Files main screen.
-  → **Zip:** Compress files or folders to create a zip file.
-  → **Details:** View file or folder details.

Searching for files or folders

Tap **My Files** on the Apps screen.

Tap , and then enter search criteria to search for.

Viewing storage information

Tap **My Files** on the Apps screen.

Tap  to view memory information for your device and memory card.

Adding FTP server shortcuts to the device

Add an FTP server shortcut to the shortcuts area.

Tap **My Files** on the Apps screen.

Tap  → **Add FTP server**, enter details such as server address, user name, and password, and then tap **Done**.

Torch

Use this widget to turn the flash on or off to improve visibility.

To add it to the Home screen, on the Home screen, tap and hold an empty area, tap **Widgets**, tap and hold the **Torch** widget, and then drag it to the Home screen.

Tap the **Torch** widget on the Home screen to turn it on or off.

Connecting with other devices

NFC

About NFC

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

Before using this feature

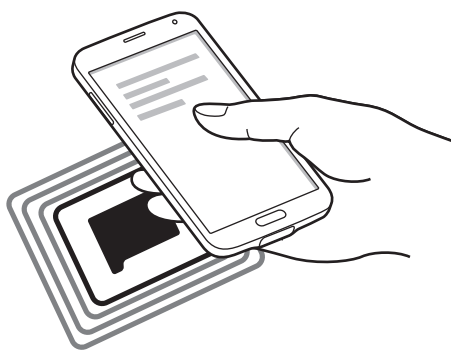
- Check the location of the NFC antennas on your device and the other device.
- Ensure that the NFC feature is activated on your device and the devices you want to connect to.
- Ensure that the device's screen is unlocked. Otherwise, the device will not read NFC tags or receive data.

Using the NFC feature

Use the NFC feature to send images or contacts to other devices, and read product information from NFC tags. If you insert a SIM or USIM card that has a payment feature, you can use the device to make payments conveniently.

On the Apps screen, tap **Settings** → **NFC**, and then drag the **NFC** switch to the right.

Place the NFC antenna area on the back of your device near an NFC tag. The information from the tag will appear.



Making a purchase 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 details about the service, contact your service provider.

On the Apps screen, tap **Settings** → **NFC**, and then drag the **NFC** switch to the right.

Touch the NFC antenna area on the back of your device to the NFC card reader.

To set the default payment app, tap **Tap and pay** and select an app.



The payment services list may not include all available payment apps.

Sending data

Use the Android Beam feature to send data, such as webpages and contacts, to NFC-enabled devices.

- 1 On the Apps screen, tap **Settings** → **NFC**, and then drag the **NFC** switch to the right.
- 2 Tap **Android Beam** and drag the **Android Beam** switch to the right.
- 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.

Bluetooth

About Bluetooth

Bluetooth creates a direct wireless connection between two devices over short distances. Use Bluetooth to exchange data or media files with other devices.



- Samsung is not responsible for the loss, interception, or misuse of data sent or received via the Bluetooth feature.
- 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.

Before using this feature

- Ensure that the Bluetooth feature is activated on your device and the devices you want to connect to.
- Ensure that both devices are set as visible to other Bluetooth devices.

Pairing with other Bluetooth devices

- 1 On the Apps screen, tap **Settings** → **Bluetooth**, drag the **Bluetooth** switch to the right, and then tap **Scan**. Detected devices are listed.

To set the device as visible to other devices, tap the device name.

- 2 Select a device to pair with.

If your device has paired with the device before, tap the device name without confirming the auto-generated passkey.

- 3 Accept the Bluetooth authorisation request on both devices to confirm.

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.

Sending an image

- 1 On the Apps screen, tap **Gallery**.

- 2 Select an image.

3 Tap  → **Bluetooth**, and then select a device to pair with.

If the device you want to pair with is not on the list, request that the device turns on its visibility option. Or, set your device as visible to other devices.

4 Accept the Bluetooth authorisation request on the other device.

Receiving an image

When another device sends you an image, accept the Bluetooth authorisation request. The received image is saved in the **Gallery** → **Download** folder.

Unpairing Bluetooth devices

1 On the Apps screen, tap **Settings** → **Bluetooth**.

The device displays the paired devices on the list.

2 Tap  next to the device's name to unpair.

3 Tap **Unpair**.

S Beam

Use this feature to send data, such as videos, images, and documents.

Before using this feature

- Ensure that the NFC feature or Wi-Fi Direct is activated on your device and the devices you want to send files to.

Sending data

- 1 On the Apps screen, tap **Settings** → **NFC**, and then drag the **NFC** switch to the right.
- 2 Tap **S Beam** and drag the **S Beam** switch to the right.
- 3 Select a file 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 file.



- Do not send copyright-protected data via S Beam. Doing so may violate copyright laws. Samsung is not responsible for any liabilities caused by the illegal use of copyrighted data.
- If both devices try to send data simultaneously, the file transfer may fail.

