SAMSUNG

User Manual

About this manual

This device provides high quality mobile communication and entertainment using Samsung's high standards and technological expertise. This user manual is specially designed to detail the device's functions and features.

- Please read this manual before using the device to ensure safe and proper use.
- Descriptions are based on the device's default settings.
- Images and screenshots may differ in appearance from the actual product.
- Content may differ from the final product, or from software provided by service providers or carriers, and is subject to change without prior notice. For the latest version of the manual, refer to the Samsung website, *www.samsung.com*.
- Content (high quality content) that requires high CPU and RAM usage will affect the overall performance of the device. Applications related to the content may not work properly depending on the device's specifications and the environment that it is used in.
- Available features and additional services may vary by device, software, or service provider.
- Applications and their functions may vary by country, region, or hardware specifications. Samsung is not liable for performance issues caused by applications from any provider other than Samsung.
- Samsung is not liable for performance issues or incompatibilities caused by edited registry settings or modified operating system software. Attempting to customise the operating system may cause the device or applications to work improperly.
- Software, sound sources, wallpapers, images, and other media provided with this device are licensed for limited use. Extracting and using these materials for commercial or other purposes is an infringement of copyright laws. Users are entirely responsible for illegal use of media.
- You may incur additional charges for data services, such as messaging, uploading and downloading, auto-syncing, or using location services. To avoid additional charges, select an appropriate data tariff plan. For details, contact your service provider.

- Default applications that come with the device are subject to updates and may no longer be supported without prior notice. If you have questions about an application provided with the device, contact a Samsung Service Centre. For user-installed applications, contact service providers.

- Modifying the device's operating system or installing softwares from unofficial sources may result in device malfunctions and data corruption or loss. These actions are violations of your Samsung licence agreement and will void your warranty.

Instructional icons

Warning: situations that could cause injury to yourself or others

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

Note: notes, usage tips, or additional information

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ABOUT DIVX VIDEO

DivX® is a digital video format created by DivX, LLC, a subsidiary of Rovi Corporation. This is an official DivX Certified® device that has passed rigorous testing to verify that it plays DivX video. Visit _www.divx.com_ for more information and software tools to convert your files into DivX videos.

ABOUT DIVX VIDEO-ON-DEMAND

This DivX Certified® device must be registered in order to play purchased DivX Video-on-Demand (VOD) movies. To obtain your registration code, locate the DivX VOD section in your device setup menu. Go to _vod.divx.com_ for more information on how to complete your registration.

DivX Certified® to play DivX® video up to HD 720p, including premium content.

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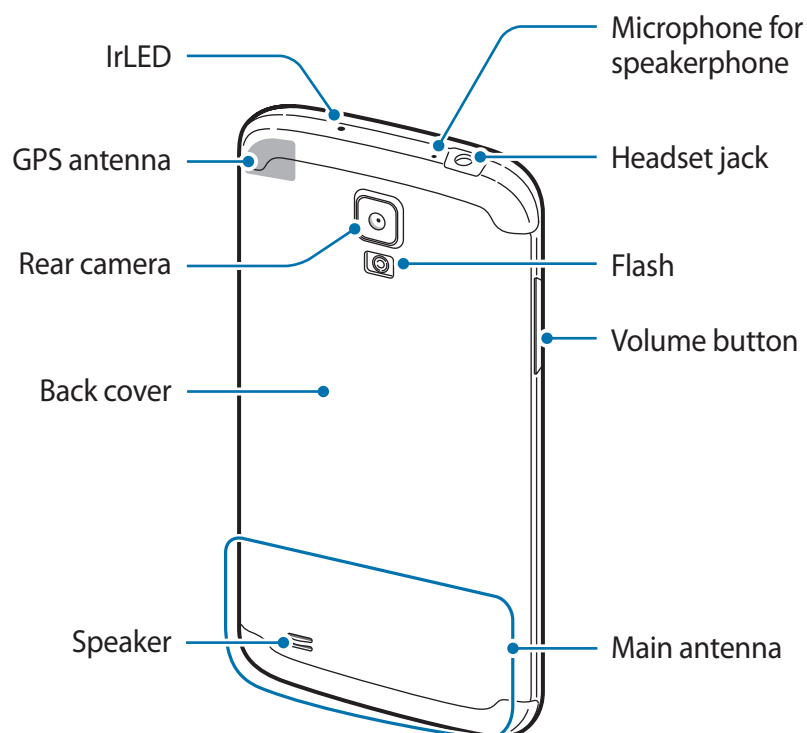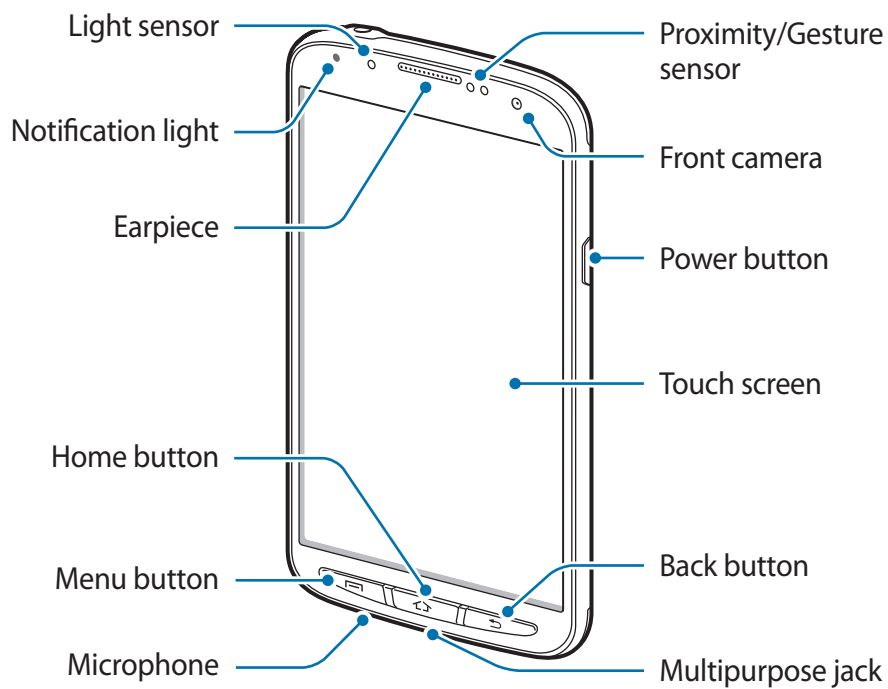
The microphone at the top of the device is active only when you use the speakerphone or take videos.

- Do not cover the antenna area with your hands or other objects. This may cause connectivity problems or drain the battery.
- Do not use a screen protector. This causes sensor malfunctions.

Maintaining water and dust resistance

This device is resistant to water and dust when all compartments are closed tightly. Follow these tips carefully to prevent damage to the device.

- Rinse the device with clean water after exposing it to salt water or ionised water.
- Do not immerse the device in water deeper than 1 m and keep it submersed for more than 30 minutes.
- If the device gets wet, dry it thoroughly with a clean, soft cloth.
- The back and multipurpose jack covers may be loosened slightly if the device is dropped or receives an impact. Ensure that all the covers are properly aligned and tightly closed. Otherwise, they may not provide protection from water and dust.
- Always keep the multipurpose jack cover clean and be careful to avoid damaging it.
- If the device has been immersed in water and the microphone is wet, others may not be able to hear you clearly during a call. Ensure that the microphone is clean and dry by wiping it with a dry cloth and allowing the device to air-dry.
- Your device has been tested in a controlled environment and shown to be dust and water resistant in certain circumstances (meets requirements of classification IP67 as described by the international standard IEC 60529 - Degrees of Protection provided by Enclosures [IP Code]; test conditions: 15 - 35 ℃, 86 - 106 kPa, 1 metre, for 30 minutes). Despite this classification, your device is not impervious to water damage in any situation.

Buttons

Button	Function
Power	• Press and hold to turn the device on or off.
	• Press and hold for more than 7 seconds to reset the device if it has fatal errors or hang-ups, or freezes.
	• Press to lock or unlock the device. The device goes into lock mode when the touch screen turns off.
Menu	• Press to open a list of options available for the current screen.
	• Press and hold to launch **S Finder**.
Home	• Press to return to the Home screen.
	• Press and hold to open the list of recent applications.
Back	• Press to return to the previous screen.
Volume	• Press to adjust the device volume.

Package contents

Check the product box for the following items:

- Device
- Battery
- Quick start guide

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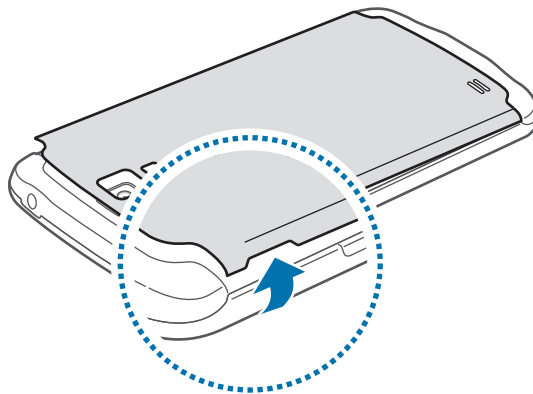
Installing the SIM or USIM card and battery

Insert the SIM or USIM card provided by the mobile telephone service provider, and the included battery.

- • Only microSIM cards work with the device.
- • Some LTE services may not be available depending on the service provider. For details about service availability, contact your service provider.
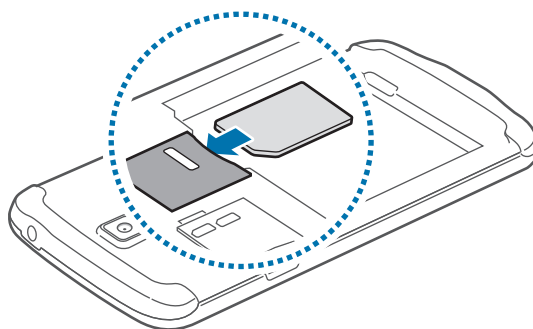
1 Remove the back cover.

⚠ Be careful not to damage your fingernails when you remove the back cover.

- • Do not remove the rubber seal from the inside of the back cover. Doing so can cause water damage to the device.
- • Do not bend or twist the back cover excessively. Doing so may damage the cover.

2 Insert the SIM or USIM card with the gold-coloured contacts facing downwards.

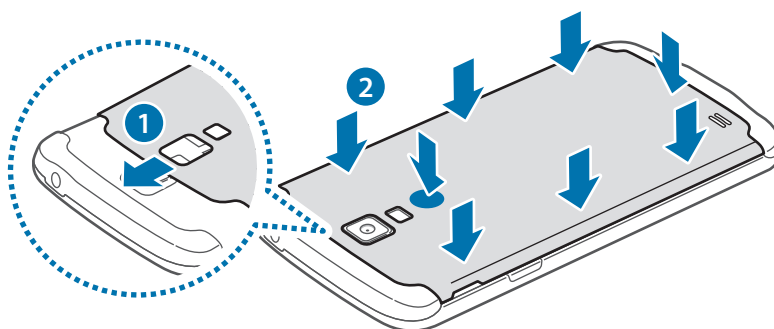3 Push the SIM or USIM card into the slot until it locks in place.

⚠
- Do not remove the protective tape covering the antenna, as this can damage the antenna.
- Do not insert a memory card into the SIM card slot. If a memory card happens to be lodged in the SIM card slot, take the device to a Samsung Service Centre to remove the memory card.
- Use caution not to lose or let others use the SIM or USIM card. Samsung is not responsible for any damages or inconveniences caused by lost or stolen cards.

4 Insert the battery.
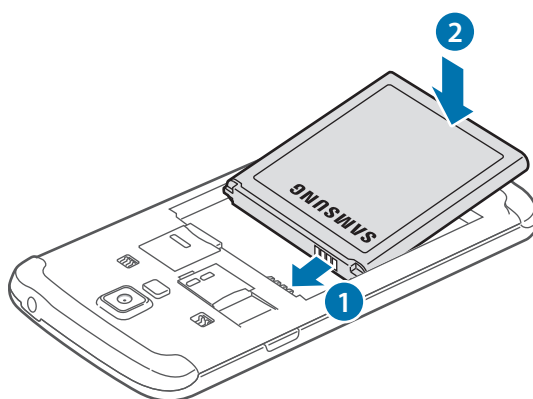
5 Replace the back cover.

To close the cover, attach the upper part of the back cover and press firmly on each part in order. Ensure that all the hooks inside the cover (**2**) are properly aligned and tightly closed.
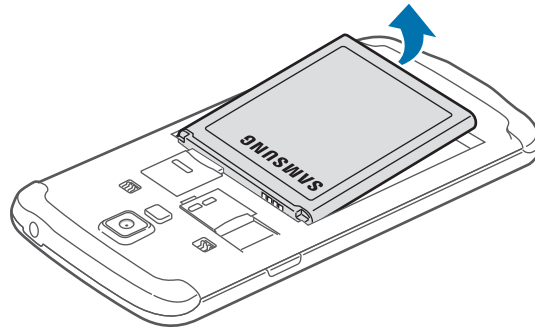

⚠ Ensure that there is no foreign material, such as sand or dust, on the rubber seal area before replacing the back cover.
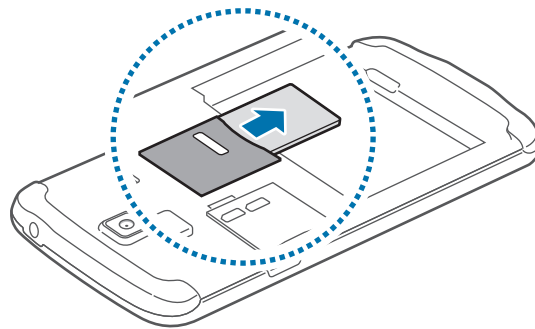
Removing the SIM or USIM card and battery

1 Remove the back cover.

2 Pull out the battery.

3 Push the SIM or USIM card until it disengages from the device, and then pull it out.

Charging the battery

Use the charger to charge the battery before using it for the first time. A computer can be also used to charge the device by connecting them via the USB cable.

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

> 📝 • When the battery power is low, the device emits a warning tone and displays a low battery power message.
>
> • If the battery is completely discharged, the device cannot be turned on immediately when the charger is connected. Allow a depleted battery to charge for a few minutes before turning on the device.

Charging with the charger

Connect the USB cable to the USB power adaptor and then plug the end of the USB cable into the multipurpose jack.
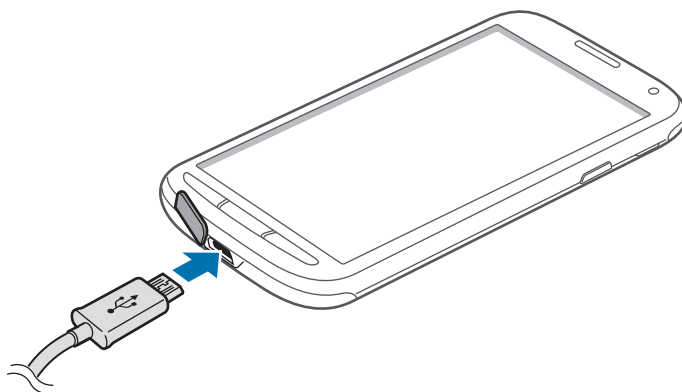
> ❗ • Connecting the charger improperly may cause serious damage to the device. Any damage caused by misuse is not covered by the warranty.
>
> • Ensure that there is no foreign material, such as sand or dust, on the rubber of the multipurpose jack cover before replacing the cover.
>
> • Be careful not to damage or detach the multipurpose jack cover. A damaged or missing cover can result in water damage to the device.

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

After fully charging, disconnect the device from the charger. First unplug the charger from the device, and then unplug it from the electric socket.

Do not remove the battery before removing the charger. This may damage the device.

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

Checking the battery charge status

When you charge the battery while the device is off, the following icons will show the current battery charge status:

50%   100%

Charging   Fully charged

Reducing the battery consumption

Your device provides options that help you save battery power. By customising these options and deactivating features in the background, you can use the device longer between charges:

- When you are not using the device, switch to sleep mode by pressing the Power button.
- Close unnecessary applications with the task manager.
- Deactivate the Bluetooth feature.
- Deactivate the Wi-Fi feature.
- Deactivate auto-syncing of applications.
- Decrease the backlight time.
- Decrease the brightness of the display.

Inserting a memory card

Your device accepts memory cards with maximum capacities of 64 GB. Depending on the memory card manufacturer and type, some memory cards may not be compatible with your device.
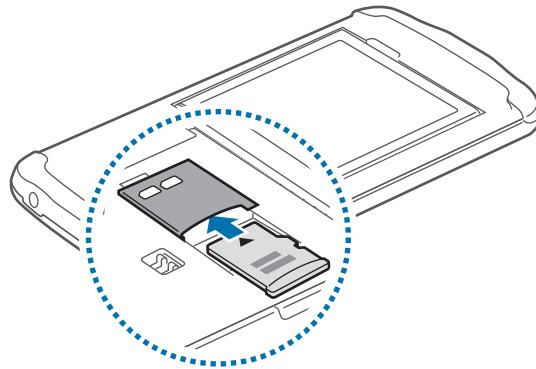
- Some memory cards may not be fully compatible with the device. Using an incompatible card may damage the device or the memory card, or corrupt the data stored in it.
- Use caution to insert the memory card right-side up.

- The device supports the FAT and the exFAT file systems for memory cards. When inserting a card formatted in a different file system, the device asks to reformat the memory card.
- Frequent writing and erasing of data shortens the lifespan of memory cards.
- When inserting a memory card into the device, the memory card's file directory appears in the **SD card** folder.

1 Remove the back cover.

2 Insert a memory card with the gold-coloured contacts facing downwards.

3 Push the memory card into the slot until it locks in place.

4 Replace the back cover.

Removing the memory card

Before removing the memory card, first unmount it for safe removal. On the Home screen, tap **Apps → Settings → MORE → Storage → Unmount SD card**.

1 Remove the back cover.

2 Push the memory card until it disengages from the device, and then pull it out.

3 Replace the back cover.

> ⊗ Do not remove the memory card while the device is transferring or accessing information. Doing so can cause data to be lost or corrupted or damage to the memory card or device. Samsung is not responsible for losses that result from the misuse of damaged memory cards, including the loss of data.

Formatting the memory card

A memory card formatted on a computer may not be compatible with the device. Format the memory card on the device.

On the Home screen, tap **Apps** → **Settings** → **MORE** → **Storage** → **Format SD card** → **FORMAT SD CARD** → **ERASE EVERYTHING**.

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

Turning the device on and off

When turning on the device for the first time, follow the on-screen instructions to set up your device.

Press and hold the Power button for a few seconds to turn the device on and off.
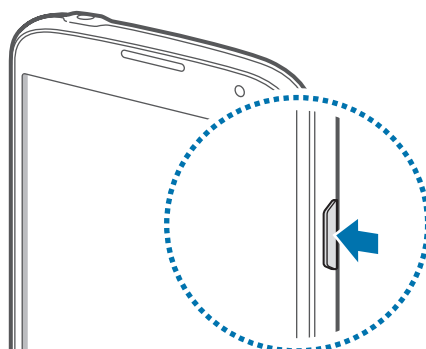
✏️ • Follow all posted warnings and directions from authorised personnel in areas where the use of wireless devices is restricted, such as aeroplanes and hospitals.

• Press and hold the Power button and tap **Flight mode** to disable the wireless features.

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

Holding the device

Do not cover the antenna area with your hands or other objects. This may cause connectivity problems or drain the battery.

Locking and unlocking the device

When not in use, lock the device to prevent unwanted operation. Pressing the Power button turns off the screen and puts the device into lock mode. The device automatically gets locked if it is not used for a specified period.

To unlock the device, press the Power button or the Home button when the touch screen is turned off, tap anywhere on the screen, and then flick your finger in any direction.

Adjusting the volume

Press the Volume button up or down to adjust the ringtone volume, or to adjust the sound volume when playing music or video.

Switching to silent mode

Use one of the following methods:

- Press and hold the Volume button down until it switches to silent mode.
- Open the notifications panel at the top of the screen, and then tap **Sound** or **Vibrate**.

Basics

Indicator icons

The icons displayed at the top of the screen provide information about the status of the device. The icons listed in the table below are most common.

Icon	Meaning
	No signal
	Signal strength
	Roaming (outside of normal service area)
	GPRS network connected
	EDGE network connected
	UMTS network connected
	HSDPA network connected
	HSPA+ network connected
	LTE network connected
	Wi-Fi connected
	Bluetooth feature activated
	GPS activated
	Call in progress
	Missed call
	Air gesture feature activated
	Smart screen feature activated
	Synced with the web
	Connected to computer
	No SIM or USIM card

Icon	Meaning
✉	New text or multimedia message
⏰	Alarm activated
🔇	Silent mode activated
📳	Vibration mode activated
✈	Flight mode activated
⚠	Error occurred or caution required
▯	Battery power level

Using the touch screen

Use only fingers to use the touch screen.

- • Do not allow the touch screen to come into contact with other electrical devices. Electrostatic discharges can cause the touch screen to malfunction.
- • To avoid damaging the touch screen, do not tap it with anything sharp or apply excessive pressure to it with your fingertips.

- • The touch screen may not be active in water.
- • The device may not recognise touch inputs close to the edges of the screen, which are outside of the touch input area.
- • Leaving the touch screen idle for extended periods may result in afterimages (screen burn-in) or ghosting. Turn off the touch screen when you do not use the device.

Finger gestures

Tapping

To open an application, to select a menu item, to press an on-screen button, or to enter a character using the on-screen keyboard, tap it with a finger.

Dragging

To move an icon, thumbnail, or preview to a new location, tap and hold it and drag it to the target position.

Double-tapping

Double-tap on a webpage or image to zoom in a part. Double-tap again to return.

Flicking

Flick left or right on the Home screen or the Applications screen to see another panel. Flick up or down to scroll through a webpage or a list, such as contacts.

Pinching

Spread two fingers apart on a webpage, map, or image to zoom in a part. Pinch to zoom out.

Control motions

Simple motions allow easy control of the device.

Before using motions, make sure the motion feature is activated. On the Home screen, tap
Apps → **Settings** → **MY DEVICE** → **Motions and gestures** → **Motion**, and then drag the
Motion switch to the right.

> Excessive shaking or impact to the device may result in unintended inputs. Control
> motions properly.

Rotating the screen

Many applications allow display in either portrait or landscape orientation. Rotating the
device causes the display to automatically adjust to fit the new screen orientation.

To prevent the display from rotating automatically, open the notifications panel and deselect
Screen rotation.

> - Some applications do not allow screen rotation.
> - Some applications display a different screen depending on the orientation. The
>   calculator turns into a scientific calculator when rotated to landscape.

Picking up

When you pick up the device after it has been idle for some time or when the screen has turned off, it vibrates if you have missed calls or new messages.

Holding to ear

While viewing call, message, or contact details, pick up and hold the device to your ear to make a call.

Panning to browse

When an image is zoomed in, tap and hold a point on the screen, and then move the device in any direction to browse the image.

Turning over

Turn over the device to mute ringtone or pause media playback.

Tilting

Tap and hold two points on the screen, and then tilt the device back and forth to zoom in or out.

Palm motions

Use palm motions to control the device by touching the screen.

Before using motions, make sure the palm motion feature is activated. On the Home screen, tap **Apps** → **Settings** → **MY DEVICE** → **Motions and gestures** → **Palm motion**, and then drag the **Palm motion** switch to the right.

Sweeping

Sweep your hand across the screen to capture a screenshot. The image is saved in **Gallery** → **Screenshots**. It is not possible to capture a screenshot while using some applications.

Covering

Cover the screen with a palm to pause media playback.

Air Gesture

Use this feature to control functions without touching the screen.

Before using this feature, make sure the air gesture feature is activated. On the Home screen, tap **Apps** → **Settings** → **MY DEVICE** → **Motions and gestures** → **Air gesture**, and then drag the **Air gesture** switch to the right.

> The device may not recognise your gestures if you perform them too far from the device or while wearing dark-coloured clothes, such as gloves.

Quick glance

When the screen is turned off, move your hand above the sensor to view notifications, missed calls, new messages, time and date, and more.

Air browse

Move your hand to the left or right across the sensor to browse images, songs, or memos.
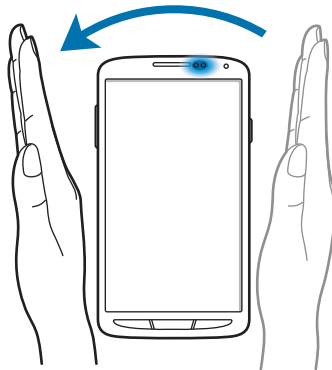
Air move

Tap and hold an icon with one hand, and then move your other hand to the left or right across the sensor to move the icon to another location.

While using the daily or weekly calendar, tap and hold an event, and then move your other hand to the left or right to move the event to another day or week.
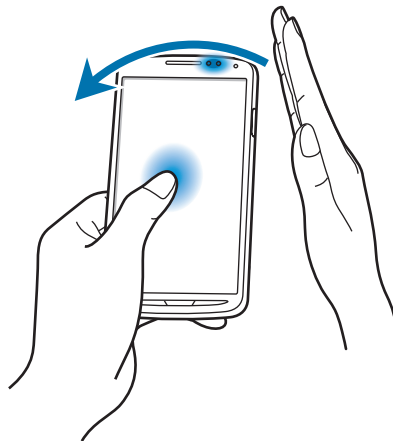
Air call-accept

When a call comes in, move your hand to the left, and then to the right across the sensor to answer the call.
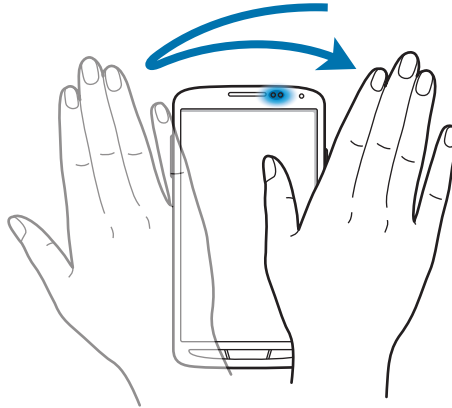
Air View

Use this feature to perform various functions when your finger is hovering over the screen.

On the Home screen, tap **Apps** → **Settings** → **MY DEVICE** → **Air view**, and then drag the **Air view** switch to the right.

Point at an item with your finger to preview the content or view information in a pop-up window. When you point at an area on a webpage for a few seconds, the device magnifies the area.
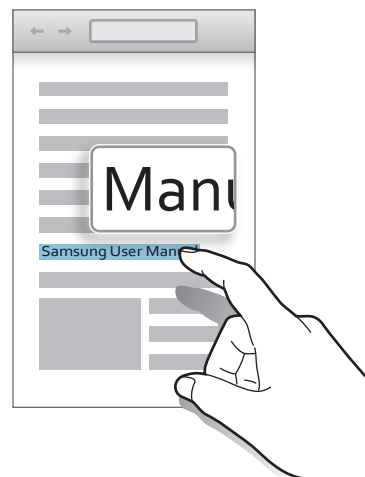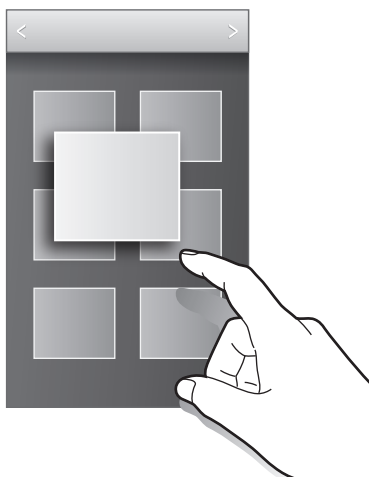
Samsung Smart Pause

Use this feature to pause videos when you look away from the screen.

On the Home screen, tap **Apps** → **Settings** → **MY DEVICE** → **Smart screen**, and then tick **Smart pause**.

During video playback, look away from the screen to pause the video. To resume playback, look at the screen again.
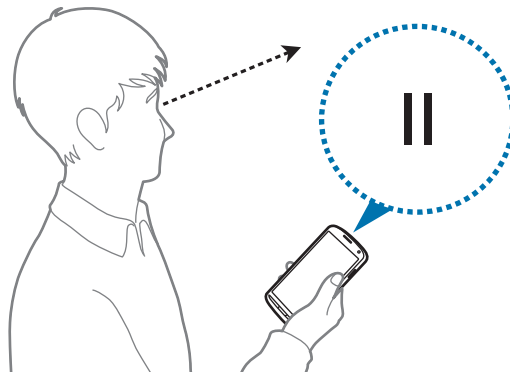
Increasing touch screen sensitivity

Use this feature to let the device increase its touch sensitivity.

On the Home screen, tap **Apps** → **Settings** → **MY DEVICE** → **Display**, and then tick **Increase touch sensitivity**.

- Use leather gloves for better recognition while touching the screen. Other types of material may not be recognised.
- For best results, tap the screen firmly while wearing gloves.
- Unintended touch inputs may occur without gloves in glove mode.

Activating Multi Window

Use this feature to run multiple applications on the screen at the same time.

> • Only applications on the Multi Window panel can run.
>
> • This feature may not be available depending on the region or service provider.

To use Multi Window, on the Applications screen, tap **Settings** → **MY DEVICE** → **Display**, and then tick **Multi window**.

Using the Multi Window panel

To show the Multi Window panel, press and hold the Back button. The Multi Window panel appears at the right side of the screen. Select one application, and then drag another application to a new location. You can launch the same application on the two windows at the same time. To hide the Multi Window panel, press and hold the Back button again.
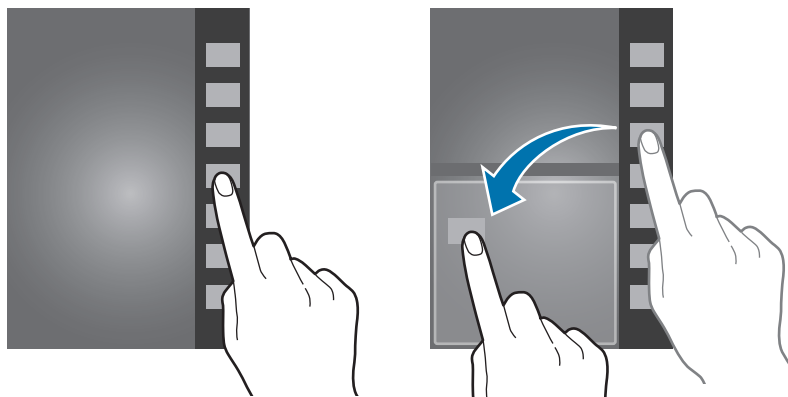
Drag the circle between the application windows up or down to adjust the size of the windows.

Using Multi Window applications

While using Multi Window applications, select an application window, tap the circle between the application windows, and then use one of the following:

- 🔄 : Switch locations between Multi Window applications.
- ⬈ : Maximise the window to fit the screen.
- ✕ : Close the application.

Sharing files

Drag an item you want to share to the other window. Some applications may not support this feature.

Creating a window combination

Use this feature to save the combination of the currently-running Multi Window applications.

On the Multi Window panel, tap ⠿ → **Create**.

Notifications

Notification icons appear on the status bar at the top of the screen to report missed calls, new messages, calendar events, device status, and more. Drag down from the status bar to open the notifications panel. Scroll the list to see additional alerts. To close the notifications panel, drag up the bar that is at the bottom of the screen.

From the notifications panel, you can view your device's current settings. Drag down from the status bar, and then tap ▦ to use the following options:

- **Wi-Fi**: Activate or deactivate the Wi-Fi feature.
- **Location**: Activate or deactivate the GPS feature.
- **Sound**: Activate or deactivate silent mode. You can vibrate or mute your device in silent mode.

- **Screen rotation**: Allow or prevent the interface from rotating when you rotate the device.
- **Bluetooth**: Activate or deactivate the Bluetooth feature.
- **Mobile data**: Activate or deactivate the data connection.
- **Multi window**: Set to use Multi Window.
- **Mobile hotspot**: Activate or deactivate the Wi-Fi tethering feature.
- **Screen Mirroring**: Activate or deactivate the screen mirroring feature.
- **S Beam**: Activate or deactivate the S Beam feature.
- **NFC**: Activate or deactivate the NFC feature.
- **Sync**: Activate or deactivate auto-syncing of applications.
- **Smart stay**: Activate or deactivate the smart stay feature.
- **Smart pause**: Activate or deactivate the smart pause feature.
- **Power saving**: Activate or deactivate power-saving mode.
- **Flight mode**: Activate or deactivate flight mode.
- **Air view**: Activate or deactivate the air view feature.
- **Air gesture**: Activate or deactivate the air gesture feature.
- **Hands-free mode**: Activate or deactivate hands-free mode.

The available options may vary depending on the region or service provider.

To rearrange the options on the notifications panel, open the notifications panel, tap   →   , tap and hold an item, and then drag the item to another location.

Home screen

The Home screen is the starting point to access all of the device's features. It displays indicator icons, widgets, shortcuts to applications, and others.

The Home screen can have multiple panels. To view other panels, scroll left or right.

Rearranging items

Adding an application icon

On the Home screen, tap **Apps**, tap and hold an application icon, and then drag it into a panel preview.

Moving an item

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

Removing an item

Tap and hold an item, and drag it to the rubbish bin that appears at the top of the Home screen. When the rubbish bin turns red, release the item.

Rearranging panels

Adding a new panel

Press the Menu button, scroll to the last page, and then tap .

Moving a panel

Press the Menu button, tap and hold a panel preview, and then drag it to a new location.

Removing a panel

Press the Menu button, tap and hold a panel preview, and then drag it to the rubbish bin at the top of the screen.

Setting wallpaper

Set an image or photo stored in the device as wallpaper for the Home screen.

1 On the Home screen, press the Menu button, and then tap **Wallpapers**.

2 Scroll left or right and select from images displayed at the bottom of the screen.

To select photos taken by the device's camera or other images, tap **From Gallery**.

3 Tap **SET AS WALLPAPER** or **SAVE**.

Using widgets

Widgets are small applications that provide convenient functions and information on your Home screen. To use them, add widgets from the widgets panel to the Home screen.

> • Some widgets connect to web services. Using a web-based widget may result in additional charges.
>
> • The widgets available may vary depending on the region or service provider.

Adding widgets to the Home screen

On the Home screen, press the Menu button, and then tap **Widgets**. Scroll left or right on the widgets panel, and then tap and hold a widget to add it to the Home screen. Put it on a location you want, resize it by dragging the frame if necessary, and then tap anywhere on the screen to save the location of the widget.

Using the setting shortcut widget

On the Home screen, press the Menu button, and then tap **Widgets** → **Settings**, and then tap and hold **Settings Shortcut** to open a list of setting options. Select a setting option to add it to the Home screen as a shortcut.

Using applications

This device can run many different types of applications, ranging from media to Internet applications.

Opening an application

On the Home screen or the Applications screen, select an application icon to open it.

Opening from recently-used applications

Press and hold the Home button to open the list of recently-used applications.

Select an application icon to open.

Closing an application

Close applications not in use to save battery power and maintain device performance.

Press and hold the Home button, tap ![icon], and then tap **END** next to an application to close it. To close all running applications, tap **END ALL**. Alternatively, press and hold the Home button, and then tap ![icon].

Applications screen

The Applications screen displays icons for all applications, including any new applications installed.

On the Home screen, tap **Apps** to open the Applications screen.

To view other panels, scroll left or right.

Rearranging applications

This feature is available only in the customisable grid view.

Press the Menu button, tap **Edit**, tap and hold an application, and then drag it to a new location. To move it to another panel, drag it to the side of the screen.

Organising with folders

Put related applications together in a folder for convenience.

Press the Menu button, tap **Edit**, tap and hold an application, and then drag it to **Create folder**. Enter a folder name and then tap **Done**. Put applications into the new folder by dragging, and then press the Back button to save the arrangement.

Rearranging panels

Pinch on the screen, tap and hold a panel preview, and then drag it to a new location.

Installing applications

Use application stores, such as **Samsung Apps** (**GALAXY Apps**), to download and install applications.

Uninstalling applications

Press the Menu button, tap **Uninstall/disable apps**, and then select an application to uninstall it.

> Some default applications that come with the device cannot be uninstalled.

Help

Access help information to learn how to use the device and applications or configure important settings.

Tap **Help** on the Applications screen. Select a category to view tips.

To sort categories by an alphabetical order, tap ▦.

To search for keywords, tap ⌕.

Entering text

Use the Samsung keyboard or the voice input feature to enter text.

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

Changing the keyboard type

Tap any text field, open the notifications panel, tap **Select keyboard**, and then select the type of keyboard to use.

Using the Samsung keyboard

Set options for the Samsung keyboard.

Delete a preceding character.

Enter uppercase.

Break to the next line.

Enter punctuation marks.

Enter a space.
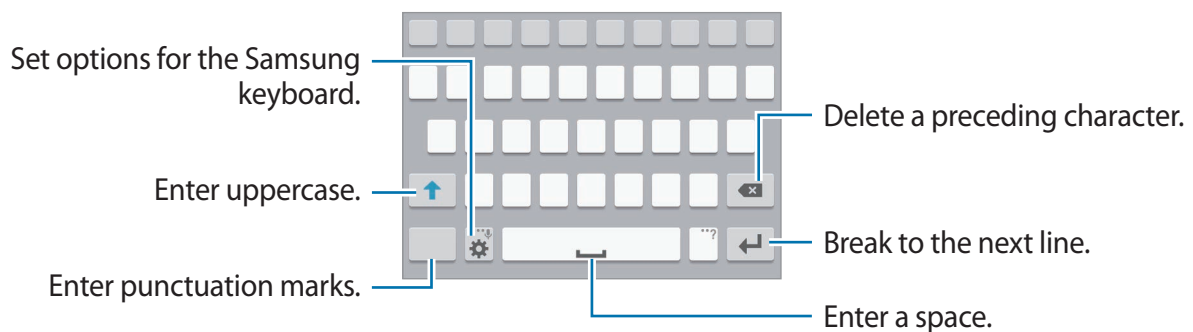
Entering uppercase

Tap ⬆ before entering a character. For all caps, tap it twice.

Changing the keyboard type

Tap and hold ⚙, and then tap ⌨ to change the keyboard type. On the floating keyboard, tap and hold the tab and move the floating keyboard to another location.

Changing language keyboards

Add languages to the keyboard, and then slide the space key left or right to change language keyboards.

Handwriting

Tap and hold ✿, tap 🖊, and then write a word with a finger. Suggested words appear as characters are entered. Select a suggested word.
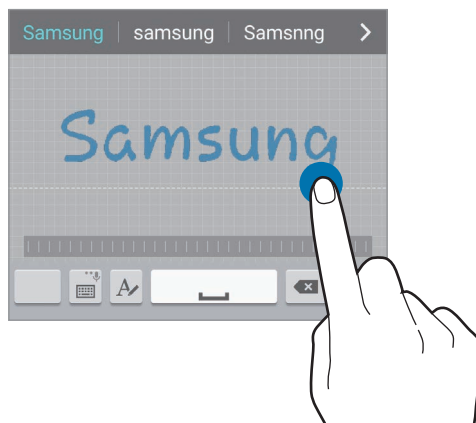
This feature may not be available depending on the region or service provider.

Entering text by voice

Activate the voice input feature and then speak into the microphone. The device displays what you speak.

If the device does not recognise your words correctly, tap the underlined text and select an alternative word or phrase from the dropdown list.

To change the language or add languages for the voice recognition, tap the current language.

Copying and pasting

Tap and hold over text, drag 🔵 or 🔵 to select more or less text, and then tap **Copy** to copy or **Cut** to cut. The selected text is copied to the clipboard.

To paste it into a text entry field, tap and hold at the point where it should be inserted, and then tap **Paste**.

Connecting to a Wi-Fi network

Connect the device to a Wi-Fi network to use the Internet or share media files with other devices. (p. 121)

Turning Wi-Fi on and off

Open the notifications panel, and then tap **Wi-Fi** to turn it on or off.

- Your device uses a non-harmonised frequency and is intended for use in all European countries. The WLAN can be operated in the EU without restriction indoors, but cannot be operated outdoors.
- Turn off Wi-Fi to save the battery when not in use.

Joining Wi-Fi networks

On the Applications screen, tap **Settings** → **CONNECTIONS** → **Wi-Fi**, and then drag the **Wi-Fi** switch to the right.

Select a network from the list of detected Wi-Fi networks, enter a password if necessary, and then tap **CONNECT**. Networks that require a password appear with a lock icon. After the device connects to a Wi-Fi network, the device will automatically connect to it any time it is available.

Adding Wi-Fi networks

If the desired network does not appear in the networks list, tap **Add Wi-Fi network** at the bottom of the networks list. Enter the network name in **Network SSID**, select the security type and enter the password if it is not an open network, and then tap **CONNECT**.

Forgetting Wi-Fi networks

Any network that has ever been used, including the current network, can be forgotten so the device will not automatically connect to it. Select the network in the networks list, and then tap **FORGET**.

Setting up accounts

Google applications, such as **Play Store**, require a Google account, and **Samsung Apps** (**GALAXY Apps**) requires a Samsung account. Create Google and Samsung accounts to have the best experience with the device.

Adding accounts

Follow the instructions that appear when opening a Google application without signing in to set up a Google account.

To sign in with or sign up for a Google account, on the Applications screen, tap **Settings** → **ACCOUNTS** → **Add account** → **Google**. Then, enter your email address to sign in or tap **OR CREATE A NEW ACCOUNT**, and then follow on-screen instructions to complete the account setup. More than one Google account can be used on the device.

Set up a Samsung account as well.

Removing accounts

On the Applications screen, tap **Settings** → **ACCOUNTS**, select an account name under **My accounts**, select the account to remove, press the Menu button, and then tap **Remove account**.

Transferring files

Move audio, video, image, or other types of files from the device to the computer, or vice versa.

Connecting with Samsung Kies

Samsung Kies is a computer application that manages media contents and personal information with Samsung devices. Download the latest Samsung Kies from the Samsung website.

1 Connect the device to the computer using the USB cable.

Samsung Kies launches on the computer automatically. If Samsung Kies does not launch, double-click the Samsung Kies icon on the computer.

2 Transfer files between your device and the computer.

Refer to the Samsung Kies help for more information.

Connecting with Windows Media Player

Ensure that Windows Media Player is installed on the computer.

1 Connect the device to the computer using the USB cable.

2 Open Windows Media Player and sync music files.

Connecting as a media device

1 Connect the device to the computer using the USB cable.

2 Open the notifications panel, and then tap **Connected as a media device** → **Media device (MTP)**.

Tap **Camera (PTP)** if your computer does not support Media Transfer Protocol (MTP) or not have any appropriate driver installed.

3 Transfer files between your device and the computer.

Securing the device

Prevent others from using or accessing personal data and information stored in the device by using the security features. The device requires an unlock code whenever unlocking it.

Setting a pattern

On the Applications screen, tap **Settings** → **MY DEVICE** → **Lock screen** → **Screen lock** → **Pattern**.

Draw a pattern by connecting four dots or more, and then draw the pattern again to verify it. Set a backup unlock PIN to unlock the screen when you forget the pattern.
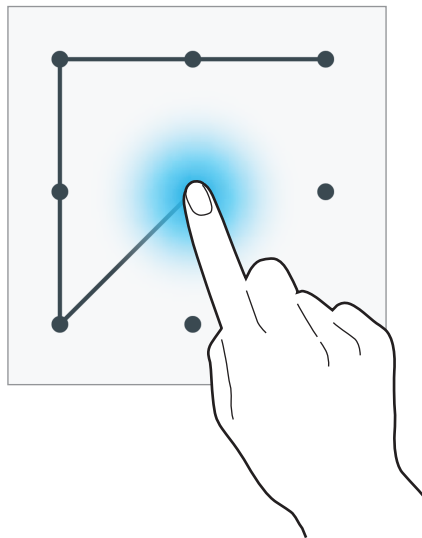
Setting a PIN

On the Applications screen, tap **Settings** → **MY DEVICE** → **Lock screen** → **Screen lock** → **PIN**.

Enter at least four numbers, and then enter the password again to verify it.

Setting a password

On the Applications screen, tap **Settings** → **MY DEVICE** → **Lock screen** → **Screen lock** → **Password**.

Enter at least four characters including numbers and symbols, and then enter the password again to verify it.

Unlocking the device

Turn on the screen by pressing the Power button or the Home button, and enter the unlock code.

> If the unlock code is forgotten, take the device to a Samsung Service Centre to reset it.

Upgrading the device

The device can be upgraded to the latest software.

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

Upgrading with Samsung Kies

Launch Samsung Kies and connect the device to the computer. Samsung Kies automatically recognises the device and shows available updates in a dialogue box, if any. Click the Update button in the dialogue box to start upgrading. Refer to the Samsung Kies help for details on how to upgrade.

> • Do not turn off the computer or disconnect the USB cable while the device is upgrading.
>
> • While upgrading the device, do not connect other media devices to the computer. Doing so may interfere with the update process.

Upgrading over the air

The device can be directly upgraded to the latest software by the firmware over-the-air (FOTA) service.

On the Applications screen, tap **Settings** → **MORE** → **About device** → **Software updates** → **Update now**.

Communication

Phone

Use this application to make or answer a call.

Tap **Phone** on the Applications screen.

Making calls

Making a call

Use one of the following methods:

- **Keypad**: Enter the number using the keypad, and then tap .
- **Logs**: Make a call from the history of incoming and outgoing calls and messages.
- **Favourites**: Make a call from the list of favourite contacts.
- **Contacts**: Make a call from the contacts list.

Speed dial numbers

For speed dial numbers, tap and hold the corresponding digit.

Number prediction

When entering numbers on the keypad, automatic predictions appear. Select one of these to make a call.
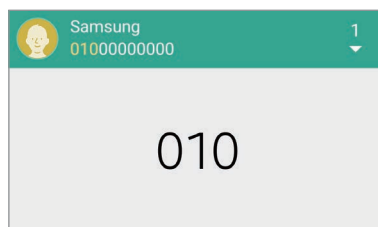
Finding contacts

Enter a name, phone number, or email address to find a contact in the contacts list. As characters are entered, predicted contacts appear. Select one to place a call to it.

Making an international call

Tap and hold **0** until the + sign appears. Enter the country code, area code, and phone number, and then tap .

During a call

The following actions are available:

- : Select an equaliser option for use during a call.
- : Deactivate the noise reduction feature that removes background noise so that the other party can hear you more clearly.
- : Increase the volume.
- **Hold**: Hold a call. Tap **Unhold** to retrieve the held call.
- **Add call**: Dial a second call.
- **Keypad**: Open the keypad.
- **End call**: End the current call.
- **Speaker**: Activate the speakerphone. Keep the device away from your ears when using the speakerphone.
- **Mute**: Turn off the microphone so that the other party cannot hear you.
- **Bluetooth**: Switch to a Bluetooth headset if it is connected to the device.
- Menu button → **Contacts**: Open the contacts list.
- Menu button → **Memo**: Create a memo.
- Menu button → **Message**: Send a message.

Adding contacts

To add a phone number to the contacts list from the keypad, enter the number and tap **Add to Contacts**.

Sending a message

Press the Menu button, and then tap **Send message** to send a message to the number on display.

Viewing call logs

Tap **Logs** to view the history of incoming and outgoing calls.

To filter a call log, tap **All logs**, and then select an option.

Fixed dialling number

The device can be set to restrict outgoing calls only to numbers with specified prefixes. Those prefixes are stored in the SIM or USIM card.

Press the Menu button, tap **Settings** → **Call** → **More settings** → **Fixed Dialling Numbers** → **Enable FDN**, and then enter the PIN2 supplied with the SIM or USIM card. Tap **FDN list** and add numbers.

Call barring

The device can be set to prevent certain calls from being made. For example, international calling can be disabled.

Press the Menu button, tap **Settings** → **Call** → **More settings** → **Call barring**, select a call type, select a call barring option, and then enter a password.

Receiving calls

Answering a call

When a call comes in, drag ![icon] outside the large circle.

If the call waiting service is active, another call can be made. When the second call is answered, the first call is put on hold.

Rejecting a call

When a call comes in, drag ![icon] outside the large circle.

To send a message when rejecting an incoming call, drag the reject message bar upwards. To create the rejection message, press the Menu button, and then tap **Settings** → **Call** → **Rejection messages**.

Automatically rejecting calls from unwanted numbers

Press the Menu button, tap **Settings** → **Call** → **Call rejection** → **Auto reject mode** → **Auto reject numbers**, and then tap **Auto reject list**. Tap ![icon], enter a number, assign a category, and then tap **SAVE**.

Missed calls

If a call is missed, ![icon] appears on the status bar. Open the notifications panel to view the list of missed calls.

Call waiting

Call waiting is a service provided by the service provider. A user can use this service to suspend a current call and switch to an incoming call. This service is not available for video calls.

To make use of this service, press the Menu button, and then tap **Settings** → **Call** → **More settings** → **Call waiting**.

Call forwarding

The device can be set to send incoming calls to a specified number.

Press the Menu button, tap **Settings** → **Call** → **More settings** → **Call forwarding**, and then select a call type and condition. Enter a number and tap **ENABLE**.

Video calls

Making a video call

Enter the number or select a contact from the contacts list, and then tap to make a video call.

During a video call

The following actions are available:

- **Switch**: Switch between the front and rear camera.
- **Mute**: Turn off the microphone so that the other party cannot hear you.
- **End call**: End the current call.
- Menu button → **Hide me**: Hide your image from the other party.
- Menu button → **Outgoing image**: Select an image to show it to the other party.
- Menu button → **Keypad**: Open the keypad.
- Menu button → **Speaker off**: Deactivate the speakerphone feature.
- Menu button → **Switch to headset**: Switch to a Bluetooth headset if it is connected to the device.

Contacts

Use this application to manage contacts, including phone numbers, email addresses, and others.

Tap **Contacts** on the Applications screen.

Managing contacts

Creating a contact

Tap and enter contact information.

- ⊕ : Add an image.
- + / — : Add or delete a contact field.

Editing a contact

Select a contact to edit, and then tap .

Deleting a contact

Press the Menu button, and then tap **Delete**.

Setting a speed dial number

Press the Menu button, tap **Speed dial**, select a speed dial number, and then select a contact for it. To remove a speed dial number, tap ✕.

Searching for contacts

Use one of the following search methods:

- Scroll up or down the contacts list.
- Use the index at the right side of the contacts list for quick scrolling, by dragging a finger along it.
- Tap the search field at the top of the contacts list and enter search criteria.

Once a contact is selected, take one of the following actions:

- ⭐ : Add to favourite contacts.
- 📞 / 📇 : Make a voice or video call.
- ✉ : Compose a message.
- ✉@ : Compose an email.

Displaying contacts

By default, the device shows all saved contacts on the device, the SIM or USIM card, or another account.

Press the Menu button, tap **Settings** → **Contacts** → **Contacts to display**, and then select a location where contacts are saved.

Moving contacts

Moving contacts to Google

Press the Menu button, and then tap **Move device contacts to** → **Google**.

Moving contacts to Samsung

Press the Menu button, and then tap **Move device contacts to** → **Samsung account**.

Importing and exporting contacts

Importing contacts

Press the Menu button, and then tap **Settings** → **Contacts** → **Import/export contacts** and then select an import option.

Exporting contacts

Press the Menu button, and then tap **Settings** → **Contacts** → **Import/export contacts** and then select an export option.

Sharing contacts

Press the Menu button, tap **Share name card**, select contacts, tap **DONE**, and then select a sharing method.

Favourite contacts

Press the Menu button, and then take one of the following actions:

- **Search**: Search for contacts.
- **Remove from favourites**: Remove contacts from favourites.
- **Help**: Access help information about using contacts.

Contact groups

Tap **Contacts** → .

Adding contacts to a group

Select a group, and then tap . Select contacts to add, and then tap **DONE**.

Managing groups

Press the Menu button, and then take one of the following actions:

- **Search**: Search for contacts.
- **Delete group**: Select user-added groups, and then tap **DONE**. Default groups cannot be deleted.
- **Change order:** Tap and hold next to the group name, drag it up or down to another position, and then tap **DONE**.
- **Help**: Access help information about using contacts.

Sending a message or email to a group's members

Select a group, press the Menu button, tap **Send message or email** → **Message** or **Email**, select members, and then tap **DONE**.

Business card

Create a business card and send it to others.

Tap **Set my profile**, enter details, such as phone number, email address, and postal address, and then tap **SAVE**. If user information has been saved when you set up the device, select the business card, and then tap ✎ to edit.

Press the Menu button, tap **Share name card**, and then select a sharing method.

Messages

Use this application to send text messages (SMS) or multimedia messages (MMS).

Tap **Messages** on the Applications screen.

> You may incur additional charges for sending or receiving messages while you are outside your home service area. For details, contact your service provider.

Sending messages

Tap ✎, add recipients, enter a message, and then tap ✉.

Use the following methods to add recipients:

- Enter a phone number.
- Tap 👤, select contacts, and then tap **DONE**.

Use the following methods to make a multimedia message:

- Tap 📎 and attach images, videos, contacts, memos, events, and others.
- Press the Menu button, and then tap **Add subject** to enter a subject.

Sending scheduled messages

While composing a message, press the Menu button, and then tap **Schedule message**. Set a time and date, and then tap **DONE**. The device will send the message at the specified time and date.

> • If the device is turned off at the scheduled time, is not connected to the network, or the network is unstable, the message will not be sent.
>
> • This feature is based on the time and date set on the device. The time and date may be incorrect if you move across time zones and the network does not update the information.

Translating and sending messages

To use the translating feature while composing a message, press the Menu button, tap **Translate**, drag the **Translate** switch to the right, set a language pair, and then tap **OK**.

Tap 🔤 to translate the message, and then tap **DONE**. The translated message will replace the message of the source language.

Viewing incoming messages

Incoming messages are grouped into message threads by contact.

Select a contact to view the person's message.

Listening to a voice message

Tap and hold **1** on the keypad, and then follow the instructions from your service provider.

Email

Use this application to send or view email messages.

Tap **Email** on the Applications screen.

Setting up email accounts

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

Enter the email address and password. Tap **NEXT** for a private email account, such as Google Mail, or tap **MANUAL SETUP** for a company email account. After that, follow on-screen instructions to complete the setup.

To set up another email account, press the Menu button, and then tap **Settings** → **Manage accounts** → .

Sending messages

Tap   → the email account to use, and then tap   at the bottom of the screen. Enter recipients, subject, and message, and then tap   .

Tap   to add a recipient from the contacts list.

Tap   to attach images, videos, contacts, memos, events, and others.

Tap   →   to insert images, events, contacts, location information, and others into the message.

Sending scheduled messages

While composing a message, press the Menu button, and then tap **Schedule email**. Tick **Schedule email**, set a time and date, and then tap **DONE**. The device will send the message at the specified time and date.

- If the device is turned off at the scheduled time, is not connected to the network, or the network is unstable, the message will not be sent.

- This feature is based on the time and date set on the device. The time and date may be incorrect if you move across time zones and the network does not update the information.

Reading messages

Select an email account to use, and new messages are retrieved. To manually retrieve new messages, tap ⟳.

Tap a message to read.

Delete the message.

Add this email address to the contacts list.

Open attachments.

Mark the message as a reminder.

Forward the message.

Reply to all recipients.

Go to the previous or next message.

Reply to the message.
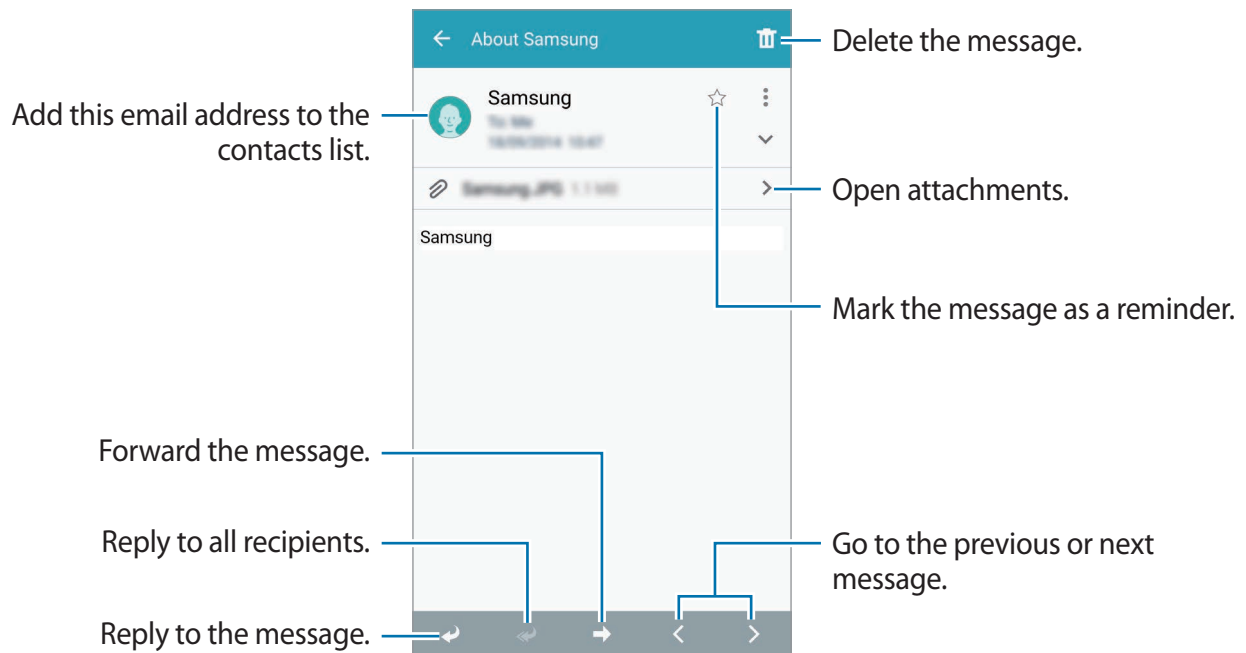
Tap ❯ to open attachments, and then tap **DOWNLOAD** to save it.

Gmail

Use this application to quickly and directly access the Google Mail service.

Tap **Gmail** on the Applications screen.

- This application may not be available depending on the region or service provider.
- This application may be labelled differently depending on the region or service provider.

Sending messages

In any mailbox, tap , enter recipients, a subject, and a message, and then tap .

Tap to attach images, videos, music, and others.

Tap to add more recipients.

Press the Menu button, and then tap **Save draft** to save the message for later delivery.

Press the Menu button, and then tap **Discard** to start over.

Press the Menu button, and then tap **Settings** to change the Google Mail settings.

Reading messages

Delete this message.

Keep this message for long-term storage.

Mark the message as unread.

About Samsung

Mark the message as a reminder.

Add this email address to the contacts list.

Reply to all recipients or forward this message to others.

Preview attachment.

Reply to this message.
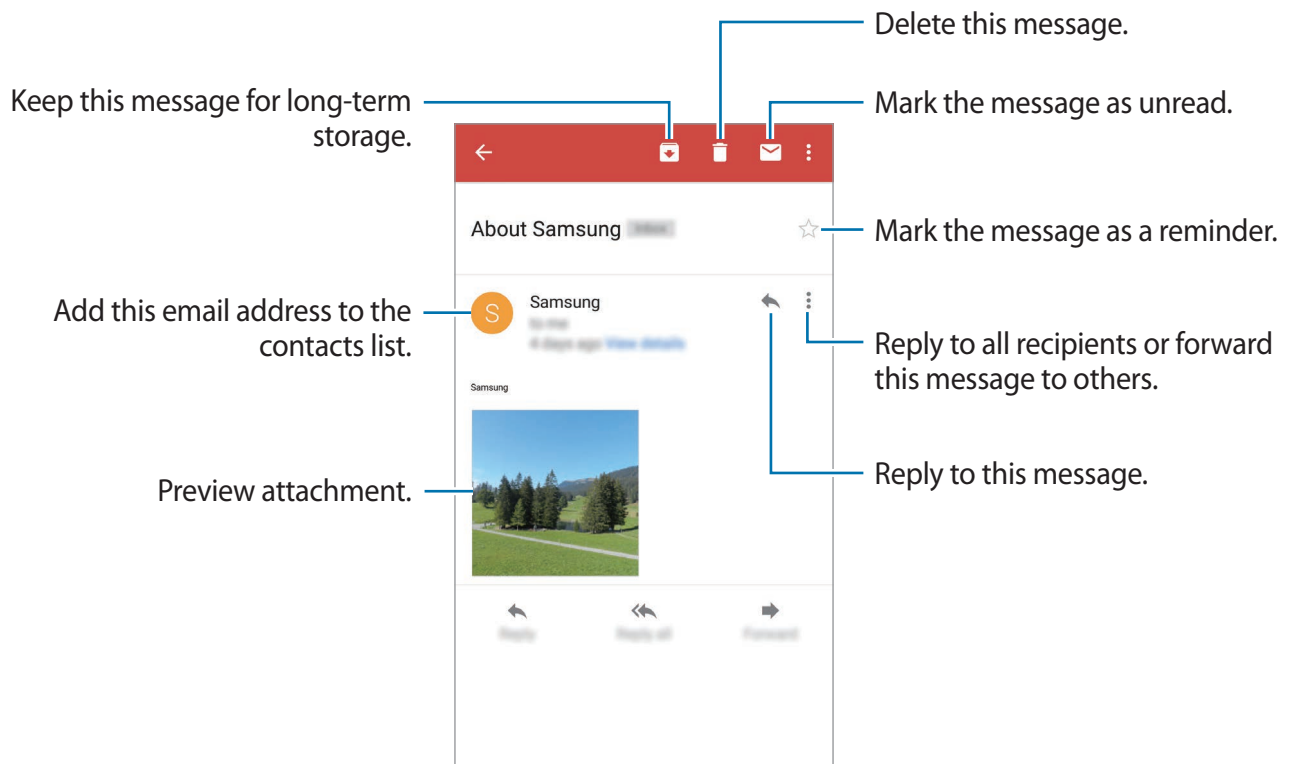
Labels

Google Mail does not use actual folders, but uses labels instead. When Google Mail is launched, it displays messages labelled Inbox.

Drag your finger downwards on the screen to manually retrieve new messages.

Tap ▤ to view messages in other labels.

To add a label to a message, select the message, press the Menu button, tap **Change labels**, and then select the label to assign.

Hangouts

Use this application to chat with others.

Tap **Hangouts** on the Applications screen.

> This application 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.

Google+

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

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

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

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

Photos

Use this application to view and share images or videos via Google's social network services.

Tap **Photos** on the Applications screen.

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

Select one of the following categories:

• **ALL**: View all the images or videos that are taken or downloaded to the device.

• **HIGHLIGHTS**: View images or videos grouped by date or album. Tap   to view all of the images or videos in the group.

Then, select an image or video.

While viewing it, use one of the following icons:

•   : Modify the image.

•   : Share the image or video with others.

•   : Delete the image or video.

Web & network

Internet

Use this application to browse the Internet.

Tap **Internet** on the Applications screen.

Viewing webpages

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

Press the Menu button to share, save, or print the current webpage while viewing a webpage.

To change the search engine, tap the address field, and then tap the search engine icon next to the web address.

Opening a new page

Press the Menu button, and then tap **New Tab**.

To go to another webpage, tap ⬛, scroll up or down, and tap the page to select it.

Searching the web by voice

Tap the address field, tap ◉, speak a keyword, and then select one of the suggested keywords that appear.

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

Bookmarks

To bookmark the current webpage, tap ⭐ → ➕.

To open a bookmarked webpage, tap ⭐, and then select one.

History

Tap ⭐ → **History** to open a webpage from the list of recently-visited webpages. To clear the history, press the Menu button, and then tap **Clear history**.

Links

Tap and hold a link on the webpage to open it in a new page, save, or copy.

To view saved links, use **Downloads**. (p. 118)

Sharing webpages

To share a webpage address with others, press the Menu button, and then tap **Share via**.

To share a part of a webpage, tap and hold the desired text, and then tap **Share via**.

Chrome

Use this application to search for information and browse webpages.

Tap **Chrome** on the Applications screen.

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

Viewing webpages

Tap the address field, and then enter a web address or search criteria.

Opening a new page

Press the Menu button and tap **New tab**.

To go to another webpage, press the Menu button, tap **Recent tabs**, and then select a webpage.

Searching the web by voice

Tap the address field, tap ⊗ → 🎤 , speak a keyword, and then select one of the suggested keywords that appear.

Syncing with other devices

Sync open tabs and bookmarks to use with Chrome on another device, when you are logged in with the same Google account.

To view open tabs on other devices, press the Menu button, and then tap **Recent tabs**. Select a webpage to open.

To view bookmarks, press the Menu button and then tap **Bookmarks**.

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.

To activate Bluetooth, on the Applications screen, tap **Settings** → **CONNECTIONS** → **Bluetooth**, and then drag the **Bluetooth** switch to the right.

Pairing with other Bluetooth devices

On the Applications screen, tap **Settings** → **CONNECTIONS** → **Bluetooth** → **SCAN**, and detected devices are listed. Select the device you want to pair with, and then accept the auto-generated passkey on both devices to confirm.

Sending and receiving data

Many applications support data transfer via Bluetooth. An example is **Gallery**. Open **Gallery**, select an image, tap ◁ → **Bluetooth**, and then select one of the Bluetooth devices. After that, accept the Bluetooth authorisation request on the other device to receive the image. The transferred file is saved in the **Download** folder. If a contact is received, it is added to the contacts list automatically.

Screen Mirroring

Use this feature to connect your device to a large screen with an AllShare Cast dongle or HomeSync and then share your contents. You can also use this feature with other devices that support the Wi-Fi Miracast feature.

- This feature may not be available depending on the region or service provider.
- Miracast-enabled devices that do not support High-bandwidth Digital Content Protection (HDCP) may not be compatible with this feature.
- Some files may be buffered during playback, depending on the network connection.
- To save energy, deactivate this feature when not in use.
- If you specify a Wi-Fi frequency, AllShare Cast dongles or HomeSync may not be discovered or connected.
- If you play videos or games on a TV, select an appropriate TV mode to get the best experience.

On the Applications screen, tap **Settings** → **CONNECTIONS** → **Screen Mirroring**. Select a device, open or play a file, and then control the display with the keys on your device. To connect to a device using a PIN, tap and hold the device name to enter the PIN.

Samsung Link

Use this application to play content saved on remotely-located devices or web storage services over the Internet. You can play and send multimedia files on your device to another device or web storage service.

To use this application, you must sign in to your Samsung account and register two or more devices. The registration methods may vary depending on the device type.

Tap **Samsung Link** on the Applications screen.

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

When opening this application, all the content from your registered devices and storage services will appear. You can browse and play them.

Sending files

Send files to other devices or upload them to web storage services.

Tap ▤ to select a device or web storage and scroll left or right to select a media category.

Then, tap ⋮ → **Select**, select files, and then tap ⤇.

Sharing files

Tap ▤ to select a device or web storage and scroll left or right to select a media category.

Then tap ⋮ → **Select**, select files, tap ⦉, and then select a sharing method.

Playing files on a remote device

Tap ▤ to select a device or web storage and scroll left or right to select a media category.

Then tap ⋮ → **Select**, select files, tap ▦, and then select a device.

> - Supported file formats may differ depending on connected devices as a media player.
> - Some files may be buffered while playing depending on the network connection.

Managing contents on a web storage service

Select a web storage service, and then view and manage your files.

To transfer files between your device and a web storage service, tap   → **Select**, select files, and then tap   .

To register web storage services to the device, tap   → **Add storage**, and then select a web storage service.

Group Play

Use this application to enjoy moments with your friends by sharing and playing content. Create or join a Group Play session, and then share content, such as images or music.

Tap **Group Play** on the Applications screen.

> • This application may not be available depending on the region or service provider.
>
> • While using this application, you cannot access the Internet through the Wi-Fi network.

Join a Group Play session.

Create a Group Play session.

Set whether or not to require a group password.
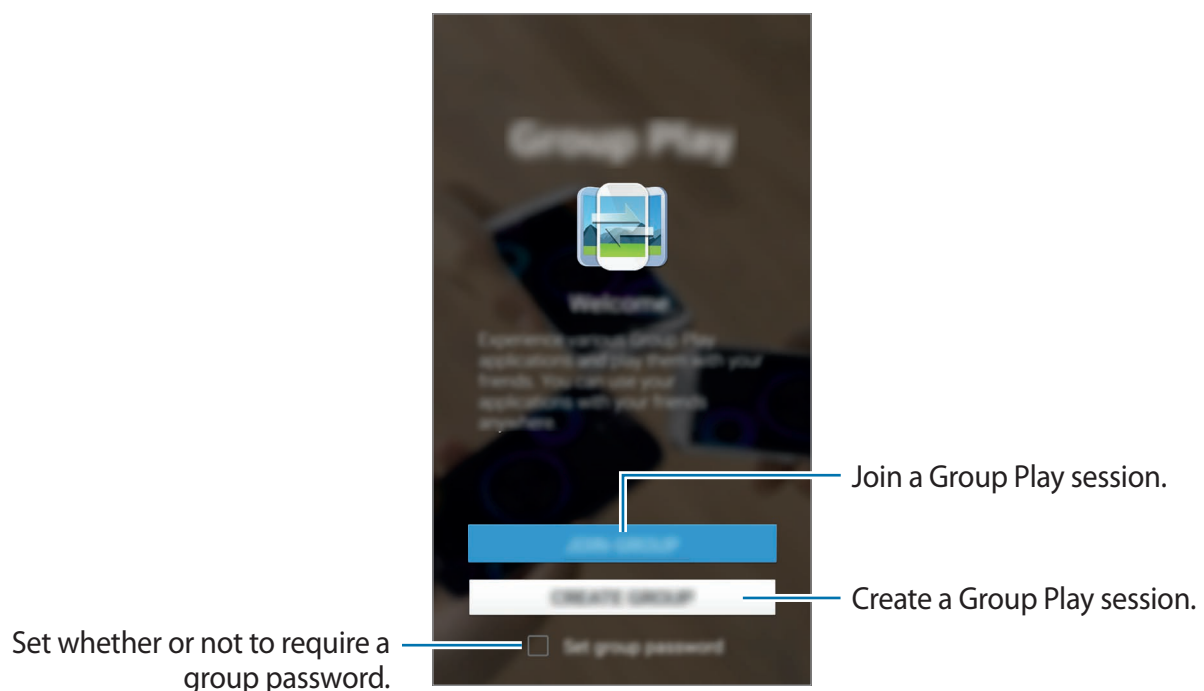
Creating a group for Group Play

When you create a Group Play session, other devices can join the session and share the content.

When you use a password for a Group Play session, other devices must enter the password to join the session. To use a password, tick **Set group password**.

Tap **CREATE GROUP**, set a password, and then use the following features:

- **Share music**: Connect two or more devices and use them to achieve a surround sound effect when sharing music.

- **Share images**: Select images to share.

- **Share video**: Connect two or more devices to share a video or combine the devices into a larger display. Each device displays parts of the video at the same time, which can be played together, to create a large display showing the whole video. To activate this feature, tap 　 while sharing a video.

- **Share documents**: Select documents to share.

- **Play games and more**: Play online games with friends.

Joining Group Play

Join a Group Play session created by another device.

- Tap **JOIN GROUP**, select a Group Play session to join, and then enter the password for the group if necessary. Select a media category and the content that is currently being shared will appear on the device.

- Activate the NFC feature, and touch the back of your device to the back of another device that is opening a session. (p. 68)

Using additional features in a Group Play session

While sharing content with other devices, use the following features:

- ⚙ : Change the speaker settings for each connected device.
- ⚙ → 🔊 : Adjust the volume.
- ⚙ → 🔘 : Set the device to use all connected devices as stereo speakers.
- 🖼 : Combine connected devices' screens to show a larger display.
- ◱ : Spilt the combined screen.
- 🔊 : Adjust the volume.
- ✎ : Write a note or draw on the screen. All participants can see what you create.
- ▦ : View all shared images in mosaic layout. This feature is available when you selected more than two images.
- 🖼 / ☰ : Select more images or documents.
- 👤 : View the group participants.

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 applications.

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

> ✎ If the screen is locked, your device will not read NFC tags or receive data.

To activate the NFC feature, on the Applications screen, tap **Settings** → **CONNECTIONS** → **NFC**. Drag the **NFC** switch to the right.

Reading information from an NFC tag

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.

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

Sending data via Android Beam

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

On the Applications screen, tap **Settings** → **CONNECTIONS** → **NFC**. Drag the **Android Beam** switch to the right.

Select an item, find the location of the NFC antenna on the other device, touch the other device's antenna with your device's antenna, and then tap your device's screen.

S Beam

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

> 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.

On the Applications screen, tap **Settings** → **CONNECTIONS** → **S Beam**. Drag the **S Beam** switch to the right.

Select an item, find the location of the NFC antenna on the other device, touch the other device's antenna with your device's antenna, and then tap your device's screen.

> If both devices try to send data simultaneously, the file transfer may fail.

WatchON

Use this application to connect to a TV to watch your favourite shows and movies.

Tap **WatchON** on the Applications screen.

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

You must first connect the device to a network and ensure that the device's infrared port is facing the TV.

Connecting to a TV

Connect to a TV to display the device's screen onto a large surface and control the TV remotely with the device. The steps vary depending on the options you choose.

Select a country, region, and broadcast service. Follow the on-screen instructions to register the TV to the device. The steps vary depending on the options you choose.

To connect to other devices, press the Menu button, and then tap **Settings** → **My room** → **ADD DEVICES**.

Watching TV

Select from the TV programme suggestions based on your choice when registering a TV or select a category at the top of the screen. Select a TV programme and then tap **WATCH ON TV**. The selected programme will show up on the connected TV.

Tap and open the control panel to control the TV.

Setting programme reminders

Tap the time at the bottom of the screen and select a time for a TV programme you want to watch. Select a programme, and tap **REMIND ME**.

Media

Music

Use this application to listen to music.

Tap **Music** on the Applications screen.

Playing music

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

Search for other devices to play the file.

Adjust the volume.

Set the file as your favourite song.

Over the horizon
Samsung
Samsung

Turn on shuffle.

Change the repeat mode.

Open the playlist.

Restart the currently-playing song or skip to the previous song. Tap and hold to move backwards quickly.

Skip to the next song. Tap and hold to move forwards quickly.

Pause and resume playback.

To listen to songs at equal volume levels, press the Menu button, and then tap **Settings** →
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, press the Menu button,
and then tap **Settings** → **Adapt Sound** → **On**. 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

To use the currently-playing song as ringtone, press the Menu button, and then tap **Set as** →
From the beginning or **Auto recommendations** → **Phone ringtone** → **DONE**.

Creating playlists

Make an own selection of songs.

Tap **PLAYLISTS**, press the Menu button, and then tap **Create playlist**. Enter a title and tap
CREATE. Tap , select songs to include, and then tap **DONE**.

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

Playing music by mood

Play music grouped by mood. The playlist is automatically created by the device.

Press the Menu button, tap **Music square**, and select a cell of mood. Or select multiple cells
by dragging your finger.

Camera

Use this application to take photos or videos.

Use **Gallery** to view photos and videos taken with the device's camera. (p. 79)

Tap **Camera** on the Applications screen.

> - The camera automatically shuts off when unused.
> - Make sure that the lens is clean. Otherwise, the device may not work properly in some modes that require high resolutions.
> - The touch screen may not be active in water. Use the Volume button to take a photo or video under water. (p. 78)

Camera etiquette

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

Taking photos

Taking a photo

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.

View more options. ——

Switch between the front and rear camera. ——

Open Gallery to view photos and videos. ——

—— Indicates which shooting mode is in use.

—— Start taking a video.

—— Change the shooting mode.

—— Select among various effects that are available.
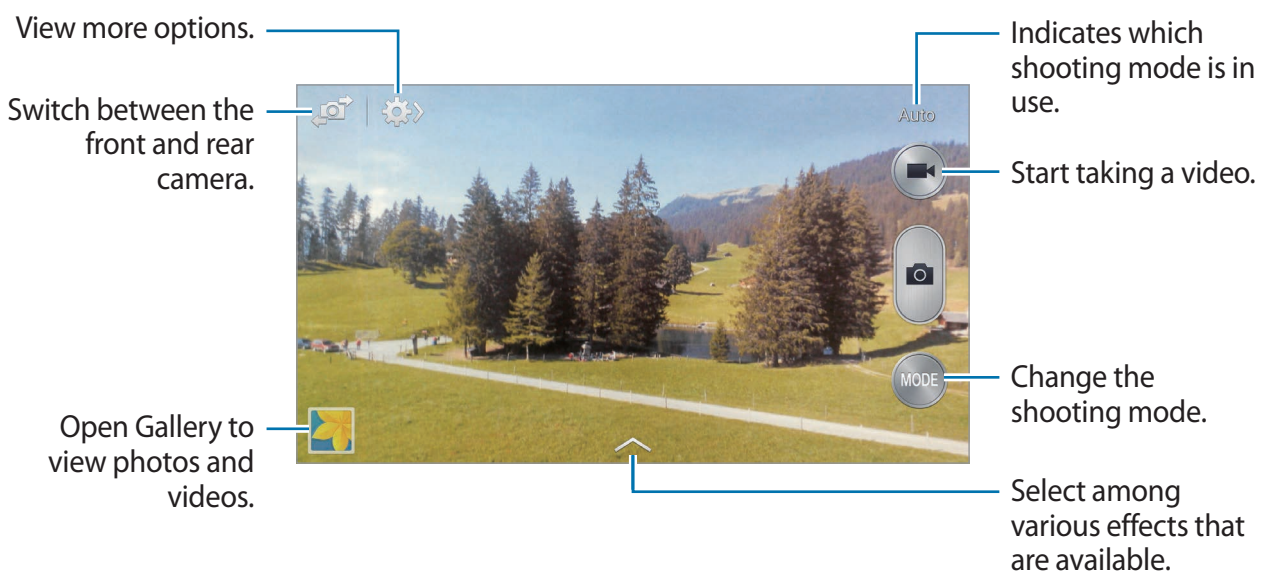
Shooting mode

Several photo effects are available.

Tap **MODE**, and then scroll up or down the screen at the right side of the screen.

- **Auto**: Use this to allow the camera to evaluate the surroundings and determine the ideal mode for the photo.
- **Beauty face**: Take a photo with lightened faces for gentler images.
- **Best photo**: Take a series of photos, and then save the best one.
- **Continuous shot**: Take a series of photos of moving subjects.
- **Best face**: Use this to take multiple group shots at the same time and combine them to create the best possible image.

  Tap to take multiple photos. To get the best shot, hold the camera steady and remain still while taking photos. When **Gallery** opens, tap the yellow frame on each face, and choose the best individual pose for the subject. After choosing a pose for each individual, tap to merge the images into a single photo, and save it.
- **Sound & shot**: Use this to take a photo with sound.

  Tap to take a photo. The device records a few seconds of audio after taking a photo.

> While taking photos in this mode, sound is recorded by the internal microphone.

- **Drama**: Use this to take a series of photos and combine them to create an image that shows trails of the movement.

  To get the best shot, follow these tips. The device may not take photos properly in other shooting conditions.

  - Hold the camera steady and remain still while taking photos.
  - Take photos of a subject that is moving in one direction.
  - Take photos with backgrounds that are free of moving objects.
  - Avoid taking photos of a subject and background with similar colours.
  - Avoid taking photos of a subject that is too close or too far away to fit within the viewfinder or that is too long such as a bus or a train.

- **Animated photo**: Use this to create animated photos from a video.
- **Rich tone (HDR)**: Use this to take a photo with an improved contrast ratio.

- **Eraser**: Use this to erase the movements of moving subjects in the background.

  Tap ![icon] to take a series of photos. The device erases traces of movement from a moving subject. To restore the original photo, tap ![icon], and then tap the highlighted area.

  To get the best shot, follow these tips.

    - Hold the camera steady and remain still while taking photos.

    - Avoid taking photos of a subject and background with similar colours.

    - When taking photos of a subject that is moving very little or moving a great deal, the camera may not recognise all of the movements.

    - If there are multiple subjects moving in the background, the camera may not recognise all of the movement.

- **Panorama**: Take a photo composed of many photos strung together.

  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.

- **Sports**: Use this setting for fast-moving subjects.

- **Night**: Use this setting for images taken in darker conditions.

- **Aqua**: Use this mode to take a photo or video under water. Press the Volume button up or down to take a photo or video. You can specify the action for the Volume button.

Panoramic photos

A panoramic photo is a wide landscape image consisting of multiple shots.

Tap **MODE** → **Panorama**.

Tap ![icon] and move the camera in one direction. When the blue frame aligns with the viewfinder, the camera automatically takes another shot in a panoramic sequence. To stop shooting, tap ![icon].

If the viewfinder is out of the direction, the device stops shooting.

Taking videos

Taking a video

Tap ▣ to take a video. To pause recording, tap ▣ . To stop recording, tap ▣ .
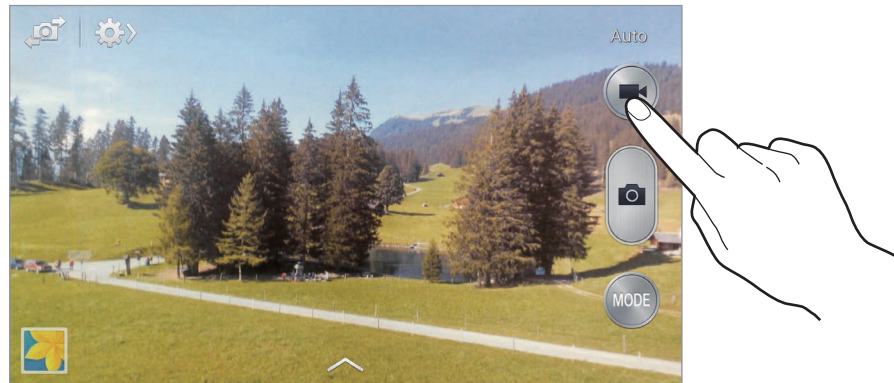
While recording, use the following actions:

- To change the focus, 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 ▣ .

Recording mode

Tap ▣ → ▣ to change recording mode.

- **Normal**: Use this mode for normal quality.
- **Limit for MMS**: Use this mode to lower quality for sending via messaging.

Zooming in and out
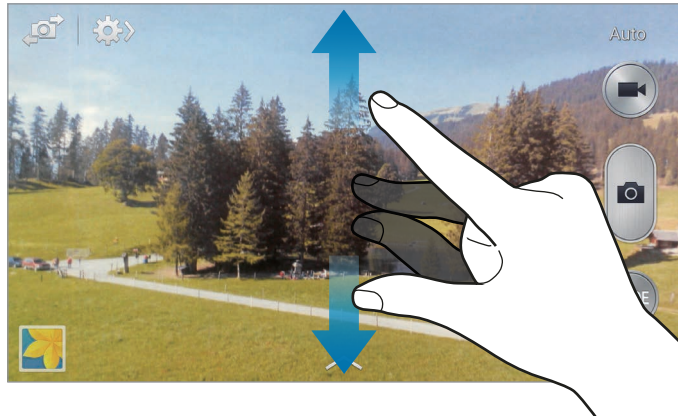
Use one of the following methods:

- 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.

Share shot

Tap ⚙ → ⬏, and then select one of the following:

- **Share shot**: Send a photo directly to another device via Wi-Fi Direct or NFC.

- **Buddy photo share**: Set the device to recognise a person's face that you have tagged in a photo and send it to that person.

- **Remote viewfinder**: Set a device to control the camera remotely.

Controlling the camera remotely

Set a device as a viewfinder to control the camera remotely.

Tap ⚙ → ⬏ → **Remote viewfinder**, and then connect the device and the camera using Wi-Fi Direct or NFC. Tap 📷 to take a photo remotely using the device as a viewfinder.

Configuring settings for Camera

Tap ⚙ → ⚙ to configure settings for 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.

- **Photo size** / **Video size**: Select a resolution. Use higher resolution for higher quality. But it takes up more memory.

- **Face detection**: Set the device to recognise people's faces and help you take photos of them.

- **Metering modes**: Select a metering method. This determines how light values are calculated. **Centre-weighted** measures background light in the centre of the scene. **Spot** measures the light value at a specific location. **Matrix** averages the entire scene.

- **ISO**: Select an ISO value. This controls camera light sensitivity. It is measured in film-camera equivalents. Low values are for stationary or brightly-lit objects. Higher values are for fast-moving or poorly-lit objects.

- **Anti shake**: Activate or deactivate anti-shake. Anti-shake helps focus when the camera is moving.

- **Save as**: Set the device to delete the original photo when taking photos with rich tone mode.

- **Location tag**: Attach a GPS location tag to the photo. Activate this feature when taking photos to create albums in **Story Album**.

  > - 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.

- **Review pics/videos**: Briefly display photos taken.

- **Volume key**: Set the device to use the Volume button to control the shutter or zoom function.

- **Timer**: Use this for delayed-time shots.

- **White balance**: Select an appropriate white balance, so images have a true-to-life colour range. The settings are designed for specific lighting situations. These settings are similar to the heat range for white-balance exposure in professional cameras.

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

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

- **Flash**: Activate or deactivate the flash.

- **Voice control**: Set the camera to take photos with voice commands.

- **Contextual filename**: Set the camera to display contextual tags. Activate this to use Tag Buddy in **Gallery** and **Story Album**.

- **Save as flipped**: Invert the image to create a mirror-image of the original scene.

- **Storage**: Select the memory location for storage.

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

Shortcuts

Reorganise shortcuts for easy access to the camera's various options.

Press the Menu button, and then tap **Edit quick settings**.

Tap and hold an option and drag it to a slot at the top of the screen. The other icons can be moved within the list by tapping and dragging them.

Gallery

Use this application to view images and videos.

Tap **Gallery** on the Applications screen.

Viewing images

Launching **Gallery** displays available folders. When another application, such as **Email**, saves an image, the **Download** folder is automatically created to contain the image. Likewise, capturing a screenshot automatically creates the **Screenshots** folder. Select a folder to open it.

In a folder, images are displayed by creation date. Select an image to view it in full screen.

Scroll left or right to view the next or previous image.

Zooming in and out

Use one of the following methods to zoom in an image:

- Double-tap anywhere to zoom in.

- Spread two fingers apart on any place to zoom in. Pinch to zoom out, or double-tap to return.

Viewing images using the motion feature

Use the motion feature to execute a function with particular motion.

On the Applications screen, tap **Settings** → **MY DEVICE** → **Motions and gestures** → **Motion**, drag the **Motion** switch to the right, and then turn on the switch for each feature.

To stop using a motion feature, turn off the switch for the feature.

To set the sensitivity for each motion feature, select a feature, tap **ADVANCED SETTINGS**, and then use the adjustable slide bar.

Playing videos

Video files show the ⊙ icon on the preview. Select a video to watch it and tap ⊙.

Trimming segments of a video

Select a video, and then tap 🎞. Move the start bracket to the desired starting point, move the end bracket to the desired ending point, and then save the video.

Editing images

When viewing an image, press the Menu button and use the following functions:

- **Favourite**: Add the image to favourites.

- **Slideshow**: Start a slideshow with the images in the current folder.

- **Photo frame**: Use this to write a note below the image. The edited image is saved in the **Photo frame** folder.

- **Photo note**: Use this to write a note on the back of the image. Tap ✎ to edit the note.

- **Print**: Print the image by connecting the device to a printer. Some printers may not be compatible with the device.

- **Rename**: Rename the file.

- **Buddy photo share**: Send the image to a person whose face is tagged in the image.

- **Rotate left**: Rotate anticlockwise.

- **Rotate right**: Rotate clockwise.

- **Crop**: Resize the white frame to crop and save the image in it.

- **Detect text**: Launch **Optical Reader** to extract text from the image.

- **Set as**: Set the image as wallpaper or a contact image.

- **Details**: View image details.

- **Settings**: Change the Gallery settings.

Modifying images

When viewing an image, tap and use the following functions:

- **Rotate**: Rotate the image.

- **Crop**: Crop the image.

- **Colour**: Adjust the saturation or brightness of the image.

- **Effect**: Apply effects to the image.

- **Portrait**: Correct red-eye, adjust and retouch faces, or make background blurry.

- **Sticker**: Attach stickers.

- **Drawing**: Draw on the image.

- **Frame**: Apply frames to the image.

Favourite images

When viewing an image, press the Menu button, and then tap **Favourite** to add the image to the favourites list.

Making image collages

In a folder, press the Menu button, tap **Select item**, select two to four images by ticking, and then press the Menu button, and then tap **Create collage**. Select a style at the bottom of the screen, and then tap   .

To add images, tap   → **Add picture**.

To delete images, tap   .

To change the split type, tap   .

Deleting images

Use one of the following methods:

- In a folder, press the Menu button, and then tap **Select item**, select images by ticking, and then tap   .
- When viewing an image, tap   .

Sharing images

Use one of the following methods:

- In a folder, press the Menu button, and then tap **Select item**, select images by ticking, and then tap   to send them to others.
- When viewing an image, tap   to send it to others or share it via social network services.

Setting as wallpaper

When viewing an image, press the Menu button, and then tap **Set as** to set the image as wallpaper or to assign it to a contact.

Tagging faces

Press the Menu button, tap **Settings**, and then tick **Face tag**. A yellow frame appears around the recognised face on an image. Tap the face, tap **Add name**, and then select or add a contact.

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 may fail depending on the face angle, face size, skin colour, facial expression, light conditions, or accessories the subject is wearing.

Using Tag Buddy

Press the Menu button, and then tap **Settings** → **Tag buddy**, and then drag the **Tag buddy** switch to the right to display a contextual tag (weather, location, date, and person's name) when opening an image.

Organising with folders

Create a folder to organise images or videos stored in the device. You can copy or move files from one folder to another.

To create a new folder, tap . Enter a name for the folder, tap **OK**, and then tick images or videos. Tap and hold any selected image or video, drag it to the new folder, and then tap **DONE**. Tap **COPY** to copy or **MOVE** to move.

Story Album

Use this application to create your own digital album to keep your stories by organising the images neatly and automatically.

Tap **Story Album** on the Applications screen.

Creating story albums

Create story albums by selecting images from **Gallery** or images sorted by tag information.

Tap ▦, and then select an option.

Select images from Gallery.

Select images by tag information.
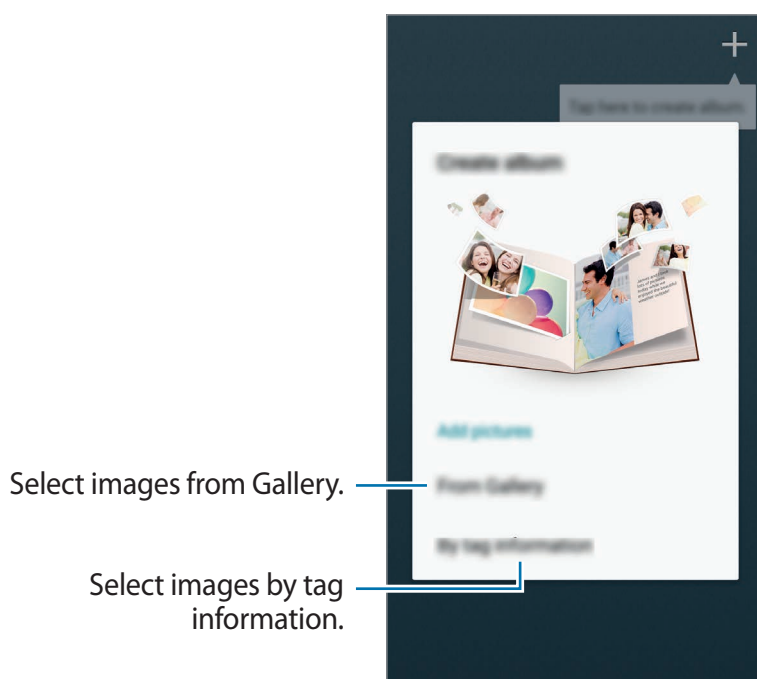
Creating albums from Gallery

Tap **From Gallery**, select a folder, select images, and then tap **DONE**. Enter a title for the album, select a theme and a cover image, and then tap **CREATE**.

Creating albums by tag information

Create albums by sorting photos by tag information, such as the location where an image was taken, subjects, or time.

Tap **By tag information**, and then set the following tag options:

- **Location**: Specify a location. The device sorts images from the location. To use location tags, activate the GPS tag setting in **Camera** before taking photos. (p. 78)

- **People**: Select people from tagged images. The device sorts images taken with the people. To use people tags, add tags to images in **Gallery**. (p. 83)

- **Time**: Specify a period of time. The device sorts images taken during the period you set.

After the setting is finished, tap **FIND PICTURES**. Enter a title for the album, select a theme and a cover image, and then tap **CREATE**.

Viewing story albums

Select a story album. The cover image appears on the first page. Scroll left or right to view images in the story album.

On a page of the album, press the Menu button and use the following functions. The available options vary depending on the page.

- **Edit title**: Rename the album.

- **Add content**: Add more content to the current page.

- **Remove content**: Delete content on the current page.

- **Edit**: Change the layout of the current page.

- **Change theme**: Change the theme for the page layout.

- **Change cover image**: Change the cover image of the album.

- **Slideshow**: Start a slideshow with the images in the current album.

- **Share via**: Send the album to others.

- **Export**: Export the album to other storage locations.

- **Print**: Print the album by connecting the device to a printer. Some printers may not be compatible with the device.

- **Order photo book**: Place an order for a printed album.

- **Delete page**: Delete the page.

Editing images

Tap the image of the page in an album.

Delete the image.

Add a caption.

Send the image to others.

Select among various effects that are available.
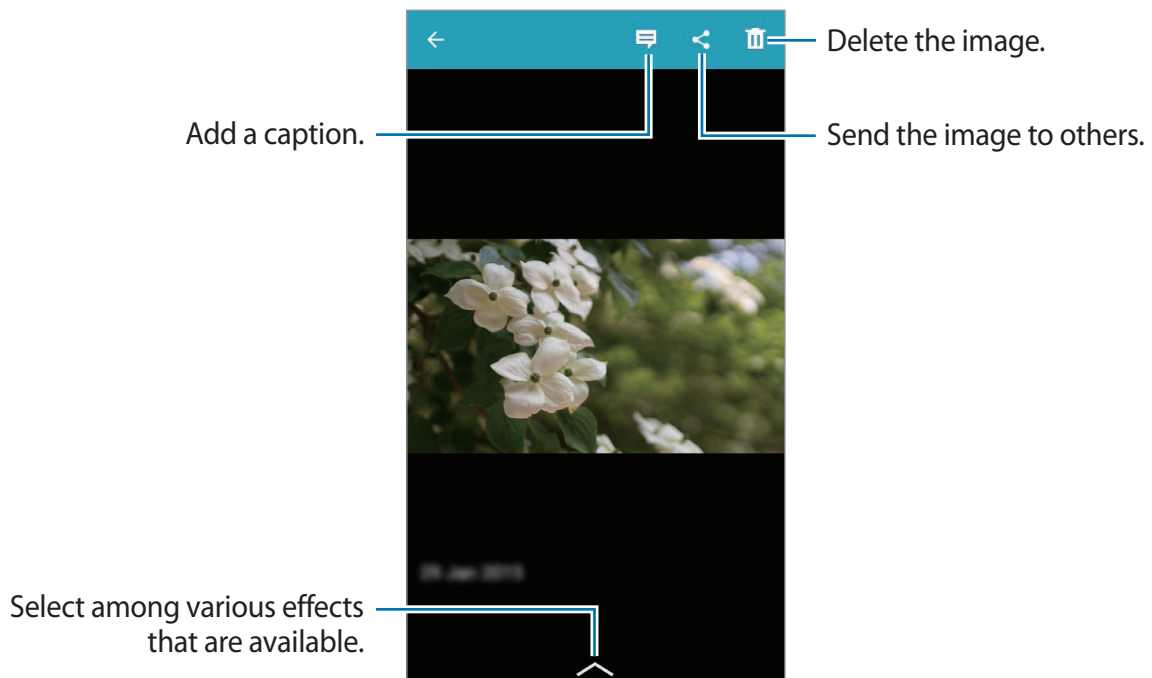
Press the Menu button, and then use the following functions:

- **Slideshow**: Start a slideshow.
- **Set as cover**: Set the image as an album cover image.
- **Rotate left**: Rotate the image anticlockwise.
- **Rotate right**: Rotate the image clockwise.

Creating albums with recommended photos

When you take multiple photos in a location, the device suggests creating a new album based on the location. This feature helps you create photo albums conveniently when you have daily events or travel.

Setting your home city

Set your home city to let the device recognise whether you at home or travelling. The device suggests creating event or travel albums based on your location. For example, when taking photos outside of the home city, the device suggests creating a travel album.

Press the Menu button, tap **Settings** → **Home city**, select a setting method, and then tap **SAVE**.

Setting a minimum number of photos

Press the Menu button, tap **Settings**, and then drag the switch next to an album type to the right. Select the album type, and then set the minimum number of photos.

When you take photos that meet the criteria you set, the device will suggest creating an album.

> The device will recommend creating story albums when you surpass the preset specified number of photos in a single day.

Creating an event or travel album

Tap   → **From suggestions**. Select an album, enter a title for the album, and then tap **CREATE**.

Video

Use this application to play video files.

Tap **Video** on the Applications screen.

> Avoid locking the device's screen while playing a DivX Video-On-Demand. Each time you lock the screen while playing a DivX Video-On-Demand, one of your available rental counts is lost.

Playing videos

Select a video to play.

Search for other devices to play the file.

Adjust the volume.

Move forwards or backwards by dragging the bar.

Pause and resume playback.

Change screen ratio.

Reduce the size of the video screen.

Restart the current video or skip to the previous video. Tap and hold to move backwards quickly.

Skip to the next video. Tap and hold to move forwards quickly.
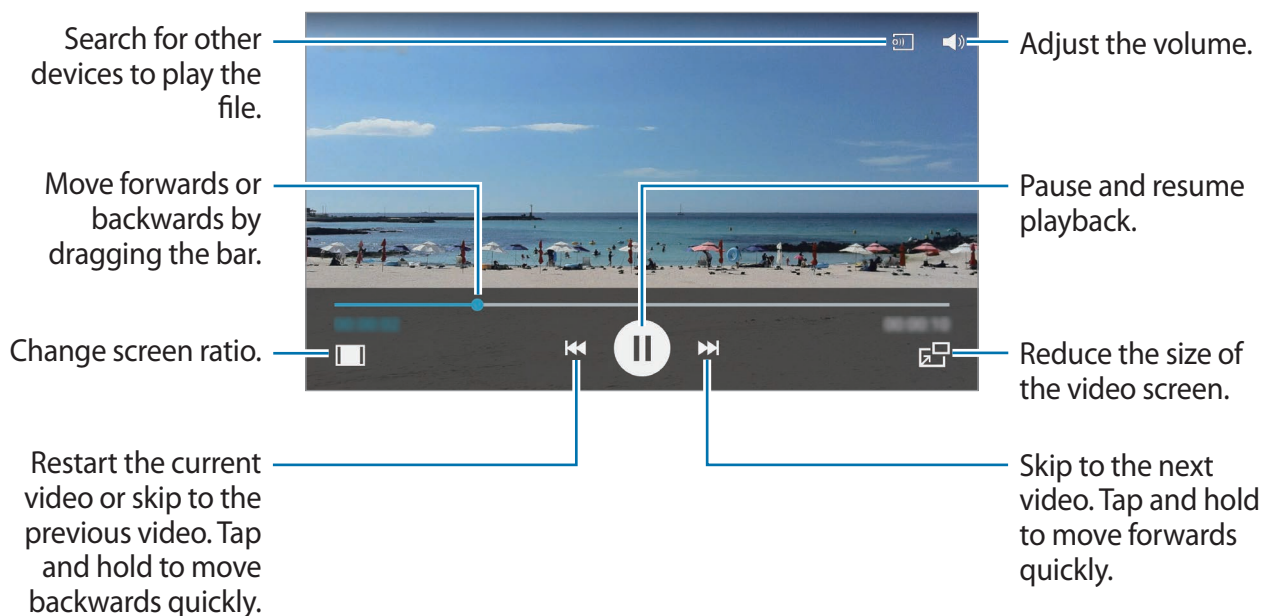
Deleting videos

Press the Menu button, tap **Delete**, select videos by ticking, and then tap .

Sharing videos

During playback, press the Menu button, tap **Share via**, and then select a sharing method.

Using Popup Video player

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

YouTube

Use this application to watch videos from the YouTube website.

Tap **YouTube** on the Applications screen.

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

Watching videos

Tap ⌕, and then enter a keyword. Select one of the returned search results to watch a video.

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 application to access your personalised magazines.

Tap **Flipboard** on the Applications screen.

This application 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.

Application & media stores

Play Store

Use this application to purchase and download applications and games that are able to run on the device.

Tap **Play Store** on the Applications screen.

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

Installing applications

Browse applications by category, or tap 🔍 to search with a keyword.

Select an application to view information. To download it, tap **INSTALL**. If there is a charge for the application, tap the price, and follow on-screen instructions to complete the purchase process.

> • When a new version is available for any installed application, an update icon appears at the top of the screen to alert you to the update. Open the notifications panel and tap the icon to update the application.
>
> • To install applications that you downloaded from other sources, on the Applications screen, tap **Settings** → **MORE** → **Security** → **Unknown sources**.

Uninstalling applications

Uninstall the applications purchased from **Play Store**.

Tap ☰ → **My apps**, select an application to delete in the list of installed applications, and then tap **UNINSTALL**.

Samsung Apps (GALAXY Apps)

Use this application to purchase and download dedicated Samsung applications. For more information, visit *apps.samsung.com*.

Tap **Samsung Apps** (**GALAXY Apps**) on the Applications screen.

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

Installing applications

Browse applications by category. Tap ▤ to select a category.

To search for an application, tap 🔍 at the top of the screen, and then enter a keyword in the search field.

Select an application to view information. To download it, tap **Install**. If there is a charge for the application, tap the price, and follow on-screen instructions to complete the purchase process.

> When a new version is available for any installed application, an update icon appears at the top of the screen to alert you to the update. Open the notifications panel and tap the icon to update the application.

Play Books

Use this application to read and download book files.

Tap **Play Books** on the Applications screen.

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

Play Movies & TV

Use this application to watch, download, and rent movies or TV shows.

Tap **Play Movies & TV** on the Applications screen.

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

Play Music

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

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

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

Play Games

Use this application to download and play games.

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

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

Play Newsstand

Use this application to read the latest news articles.

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

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

Utilities

S Memo

Use this application to create a memo using images and voice recordings.

Tap **S Memo** on the Applications screen.

Composing memos

Create memos with enriched content by drawing sketches with your finger or adding images or voice memos.

Tap ![icon] to write or draw on the screen, or tap ![icon] to enter text with the keyboard.

Jot down or draw a memo.

Enter a memo.

Erase the memo.

Undo and redo the last action.

Make a voice recording to insert.

Insert a multimedia file.

Switch to view mode.

Append another page to the current memo.

When jotting down a memo, tap ✏ once more to change the pen type, line thickness, or pen colour.

When erasing the handwritten memo, tap ◈ once more to change the eraser size or tap **Clear all** to clear the memo.

Change the pen type.

Change the line thickness.

Change the pen colour.

Save the current setting as a pen profile.

View more colours.
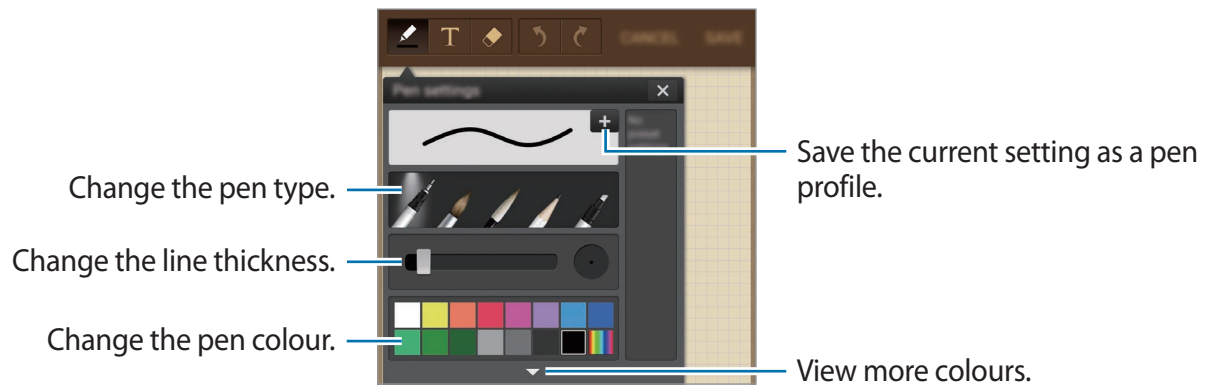
To change the sheet background, press the Menu button, and then tap **Change background**.

To add tags, press the Menu button, and then tap **Add tag**.

Inserting multimedia files or a voice recording

Tap ⊡ to insert multimedia files. Tap 🎤 to insert a voice recording.

Browsing memos

Browse memo thumbnails by scrolling up or down.

To search for a memo, press the Menu button, and then tap **Search**.

To delete memos, press the Menu button, and then tap **Delete**.

To sort memos by date, title, tag, or others, press the Menu button, and then tap **Sort by**.

To change the view mode, press the Menu button, and then tap **List view**.

To create a memo by importing a file, press the Menu button, and then tap **Import**.

To export memos as another file format, press the Menu button, and then tap **Export**.

To create a folder, press the Menu button, and then tap **Create folder**.

To change the order of memos, press the Menu button, and then tap **Change order**.

To move memos to another folder, press the Menu button, and then tap **Move**.

To copy memos, press the Menu button, and then tap **Copy**.

To change the S Memo settings, press the Menu button, and then tap **Settings**.

To access help information for S Memo, press the Menu button, and then tap **Help**.

To back up or restore memos to or from a storage location, press the Menu button, and then tap **Backup and restore**.

Viewing a memo

Tap the memo thumbnail to open it.

To delete memos, press the Menu button, and then tap **Delete**.

To send the memo to others, press the Menu button, and then tap **Share via**.

To export the memo as another file format, press the Menu button, and then tap **Export**.

To add the memo as your favourites list, press the Menu button, and then tap **Add to Favourites**.

To save the memo as an event, press the Menu button, and then tap **Create event**.

To set the memo as wallpaper or to assign it to a contact, press the Menu button, and then tap **Set as**.

To print the memo by connecting the device to a printer, press the Menu button, and then tap **Print**. Some printers may not be compatible with the device.

To edit the memo, tap .

To play the voice recording, tap .

S Planner

Use this application to manage events and tasks.

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

Creating events or tasks

Tap , and then use one of the following methods:

- **Add event**: Enter an event with an optional repeat setting.
- **Add task**: Enter a task with an optional priority setting.
- **Add memo**: Create a handwritten memo to attach to the date.

To add an event or task more briefly, tap a date to select it and tap it again.
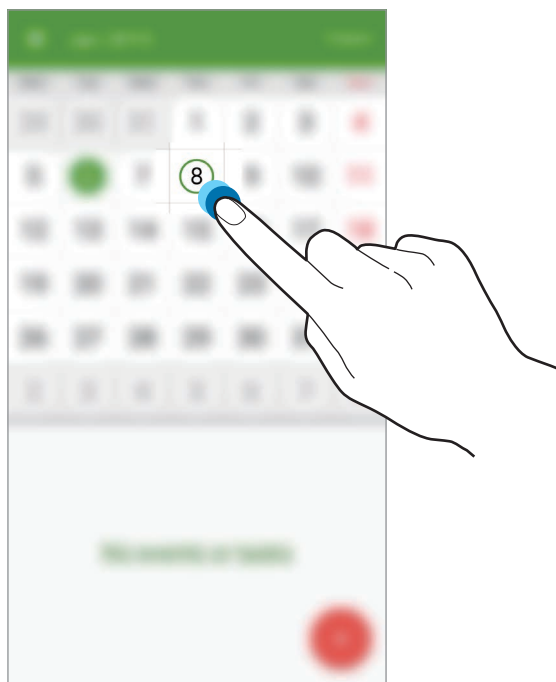
Enter a title and specify which calendar to use or sync with. Then tap **VIEW MORE OPTIONS** to add more details, such as how often the event repeats or when it has an advance alert.

Attaching memos to a date

Tap and hold a date to select it and the memo pad appears.
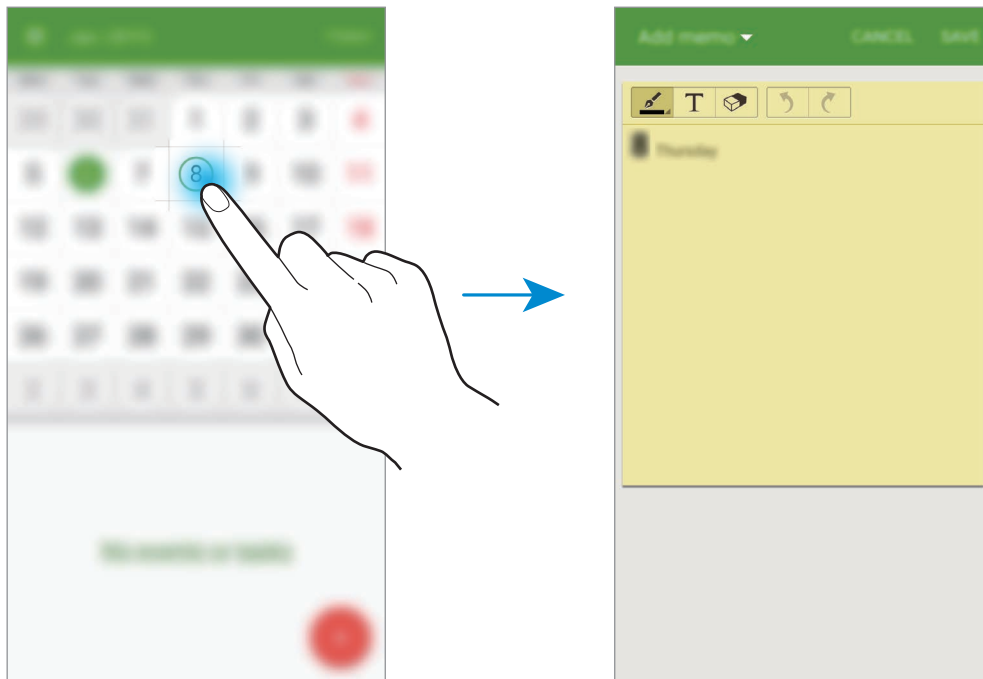
Syncing with Google Calendar

On the Applications screen, tap **Settings** → **ACCOUNTS** → **Google** under **My accounts** → a Google account → **Sync Calendar**. To manually sync for updating, on the Applications screen, tap **S Planner**, press the Menu button, and then tap **Sync now**.

To display synced event or tasks, press the Menu button, tap **Calendars**, and then tick calendars to display.

Changing calendar type

Tap   , and then select one from among different types of calendars including year, month, week, and others.

Searching for events

Press the Menu button, tap **Search**, and then enter a keyword to search for.

To view today's events, tap **TODAY** at the top of the screen.

Deleting events

Select an event, and then tap .

Sharing events

Select an event, tap , and then select a sharing method.

Dropbox

Use this application 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 computers that have Dropbox installed.

Tap **Dropbox** on the Applications screen.

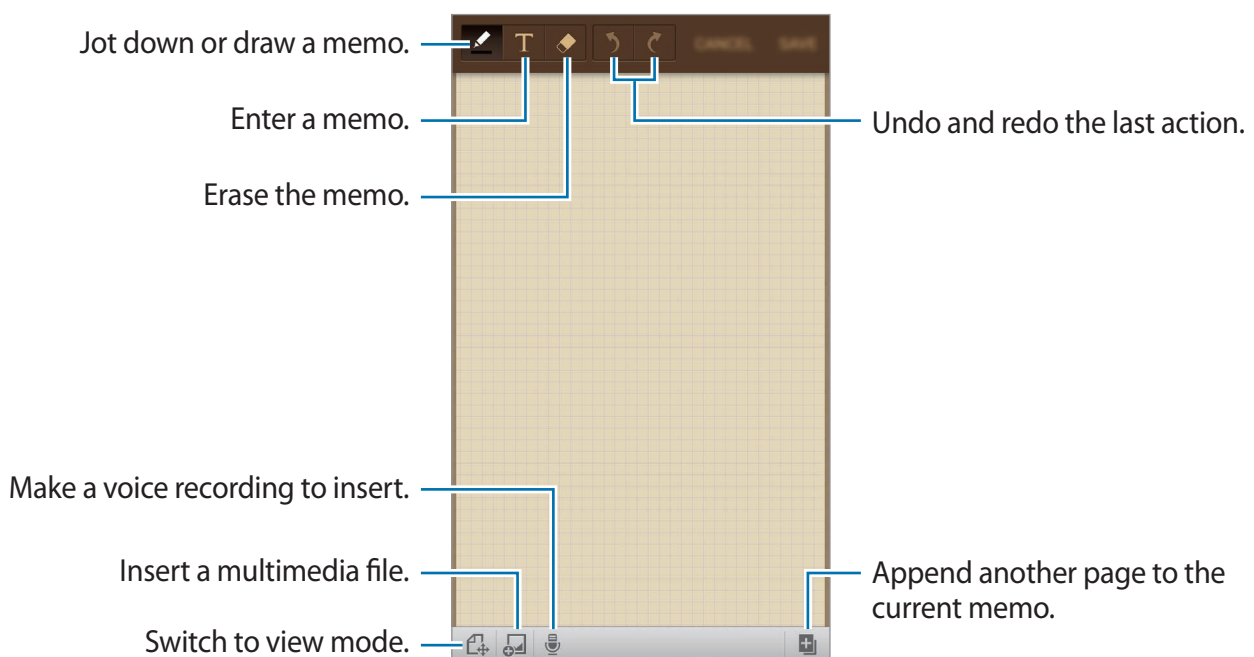> This application may not be available depending on the region or service provider.

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

Once Dropbox is activated, tap **Turn on Camera Upload** to upload photos and videos taken with the device's camera to Dropbox automatically. To view the uploaded photos or videos, tap . To share or delete files or create albums, tap , and then select files.

To upload files to Dropbox, tap , press the Menu button, and then tap **Upload here** → **Photos or videos** or **Other files**. To open files in Dropbox, select a file.

While viewing images or videos, tap to add it to the favourites list. To open files in the favourites list, tap .

Cloud

Use this feature to sync files or back up application data with your Samsung account or Dropbox.

On the Applications screen, tap **Settings** → **ACCOUNTS** → **Cloud**.

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

Syncing with the Samsung account

Tap your Samsung account or **Sync settings** to sync files.

Backing up or restoring data

Tap **Backup** or **Restore** to back up or restore data with your Samsung account.

Syncing with Dropbox

Tap **Link Dropbox account**, and then enter the Dropbox account. Follow the on-screen instructions to complete the setup.

Once you sign in, tap **Allow** and the device automatically syncs files with Dropbox whenever you make some changes.

Drive

Use this application to save and share files with others via the Google Drive service by selecting files from the device, or creating or scanning documents. When you save files to Google Drive, your device automatically syncs with the web server and any other computers that have Google Drive installed.

Tap **Drive** on the Applications screen.

Uploading files

Tap   → **Uploads**, select one of the files saved on the device, and then upload it to Google Drive. To create a new document, or scan an image or document and upload it, tap   → **Scan**, **Google Docs**, **Google Sheets**, or **Google Slides**.

Viewing files

Select a file to open it.

While viewing a file, tap   and use one of the following:

- **Share**: Share the file with others.
- **Star**: Mark the file as important.
- **Move**: Move the file to another folder.
- ⋮ : Access additional options.

Clock

Use this application to set alarms, check the time of many major cities in the world, measure the duration of an event, set a timer, or use as the desk clock.

Tap **Clock** on the Applications screen.

Turn this alarm on or off.
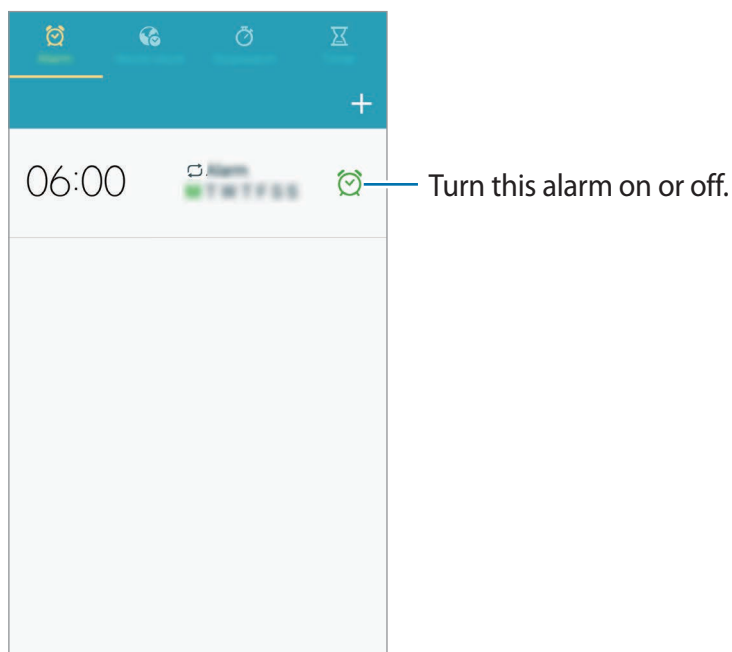
Alarm

Setting alarms

Tap , set a time for the alarm to go off, select days for the alarm to repeat, and then tap **DONE**.

- **Location alarm**: Set a location. The alarm goes off only when you are in the location.
- **Snooze**: Set an interval and the number of times for the alarm to repeat after the preset time.
- **Smart alarm**: Set a time for the alarm to go off before the preset time.

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 and hold the alarm, and then tap **Delete**.

World clock

Creating clocks

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

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

Deleting clocks

Tap and hold the clock, and then tap **Delete**.

Stopwatch

Tap **START** to time an event. Tap **LAP** to record lap times.

Tap **RESET** to clear lap time records.

Timer

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

Drag ✕ outside the large circle when the timer goes off.

Desk clock

Tap ⬚ to view in full screen.

Calculator

Use this application for simple or complex calculations.

Tap **Calculator** on the Applications screen.

Rotate the device to landscape orientation to display the scientific calculator. If **Screen rotation** is disabled, press the Menu button, and then tap **Scientific calculator**.

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

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

S Health

Use this application to monitor your health by managing intake or burnt calories.

Tap **S Health** on the Applications screen.

Starting S Health

When opening this application for the first time, follow the on-screen instructions, and then enter your physical statistics to complete the setup. Then, the S Health menu screen appears on the screen.

Access to the S Health home screen.

Manage calories.

Manage weight.
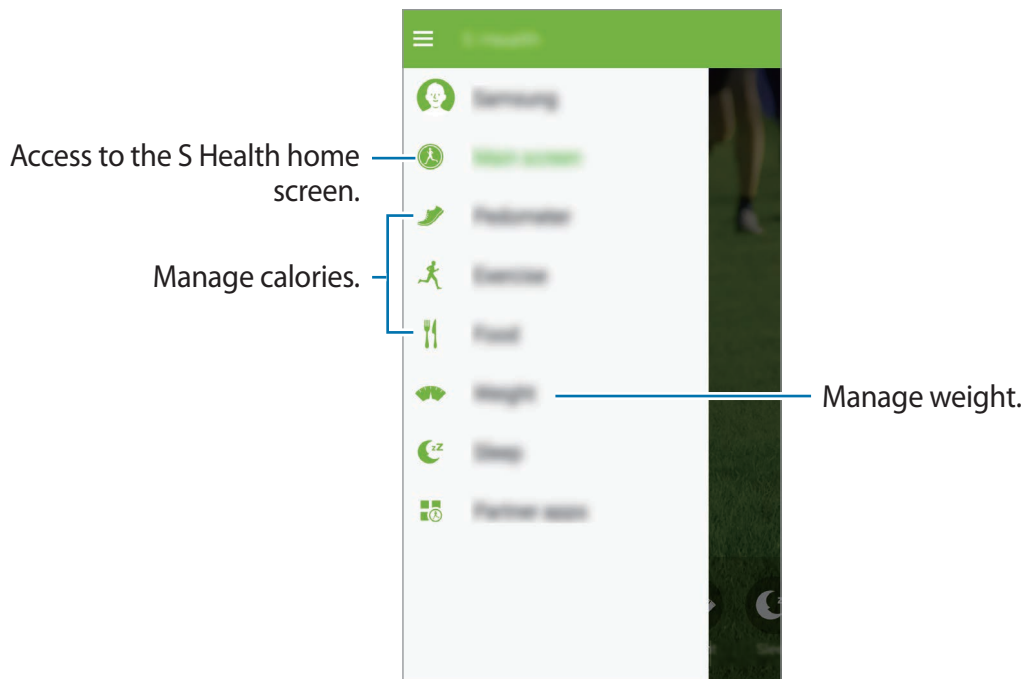
To edit the profile, press the Menu button, tap **Settings** → **Edit profile**.

> Based on your physical statistics, the device calculates your basal metabolic rate (BMR) and recommends a daily caloric intake. The recommendation may not be accurate for all ages, body compositions, or nutritional needs.

Checking your health information

View your information on the S Health home screen.

On the S Health menu screen, tap **Main screen.**

Access the S Health menu screen.

Using the Walking mate

Set a target number of steps and track your daily steps and burned calories.

On the S Health home screen, tap ▤ → **Pedometer**.

View the logs of your daily steps.

Access the S Health menu screen.

View and manage accessory device connections.

Move to a specific date of step count records.

Step counts

Target number of steps

How far you have walked

How many calories you have burned

View your step count on a graph.
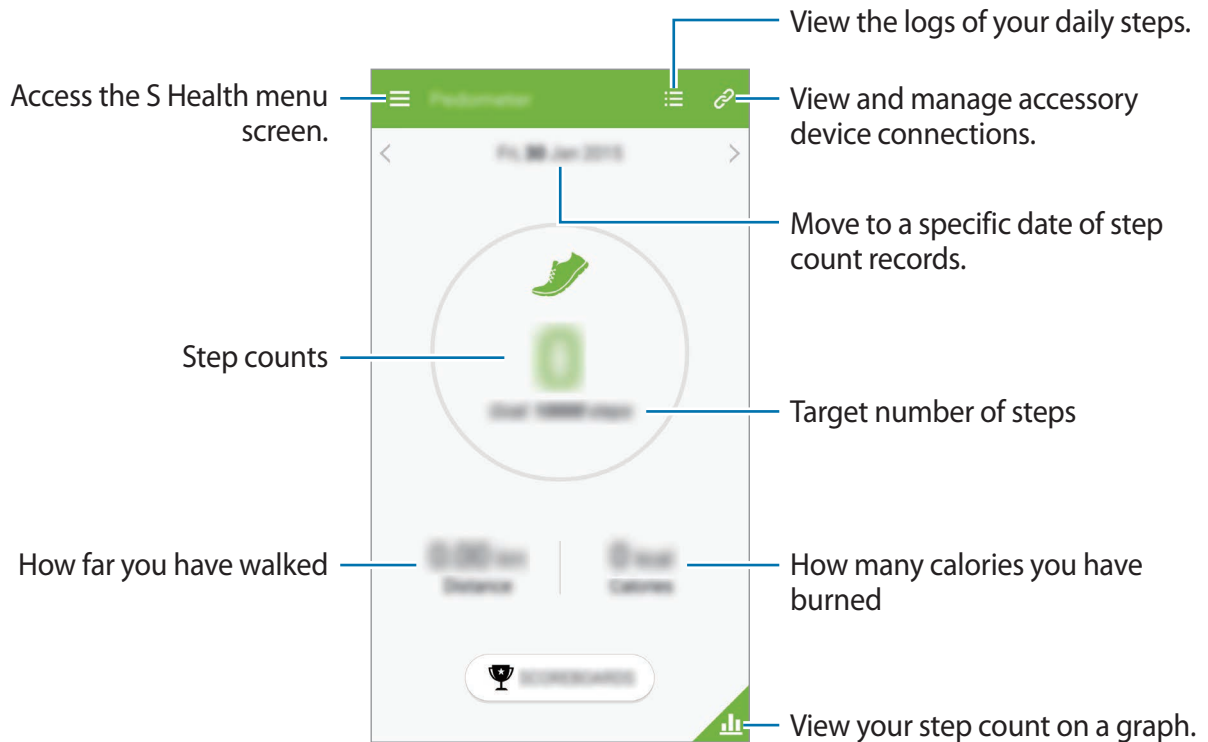
Press the Menu button and use the following functions:

- **Daily step goal**: Change the target number of steps.
- **Share via**: Send the current page to others.
- **Help**: Access help information about using this feature.

> - You may experience a brief delay while the walking mate monitors your steps and then displays your step count.
> - If you use the walking mate while travelling by car or train, vibration may affect your step count.

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Using the Exercise mate

Set an exercise goal and monitor your calories burned.

On the S Health home screen, tap ▤ → **Exercise**.

View the logs of your daily exercise.

Access the S Health menu screen.

View exercise records on a graph.
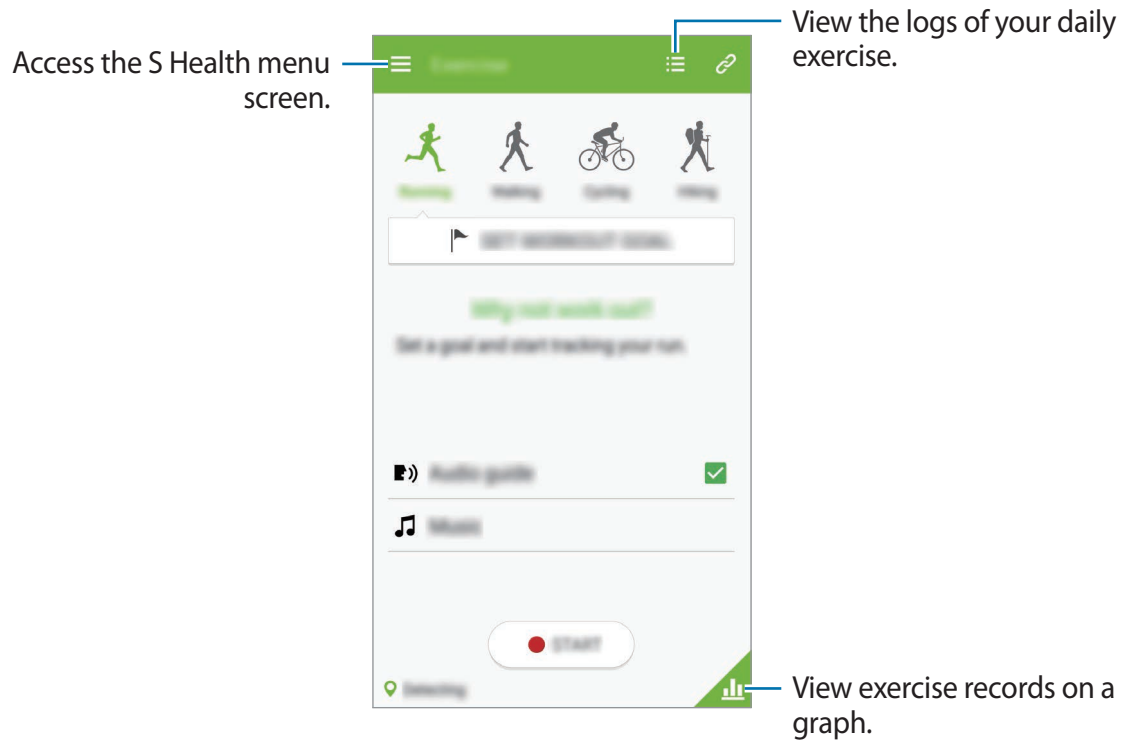
Press the Menu button and tap **Help** to access help information about using this feature.

To set an exercise goal and start exercising, tap **SET WORKOUT GOAL**. Set details, such as exercise type or goal, and then tap **START**.

View a map of places you have exercised.

Move to the previous screen.

View and manage accessory device connections.

View your exercise records.

Activate or deactivate the audio guide.

GPS signal status
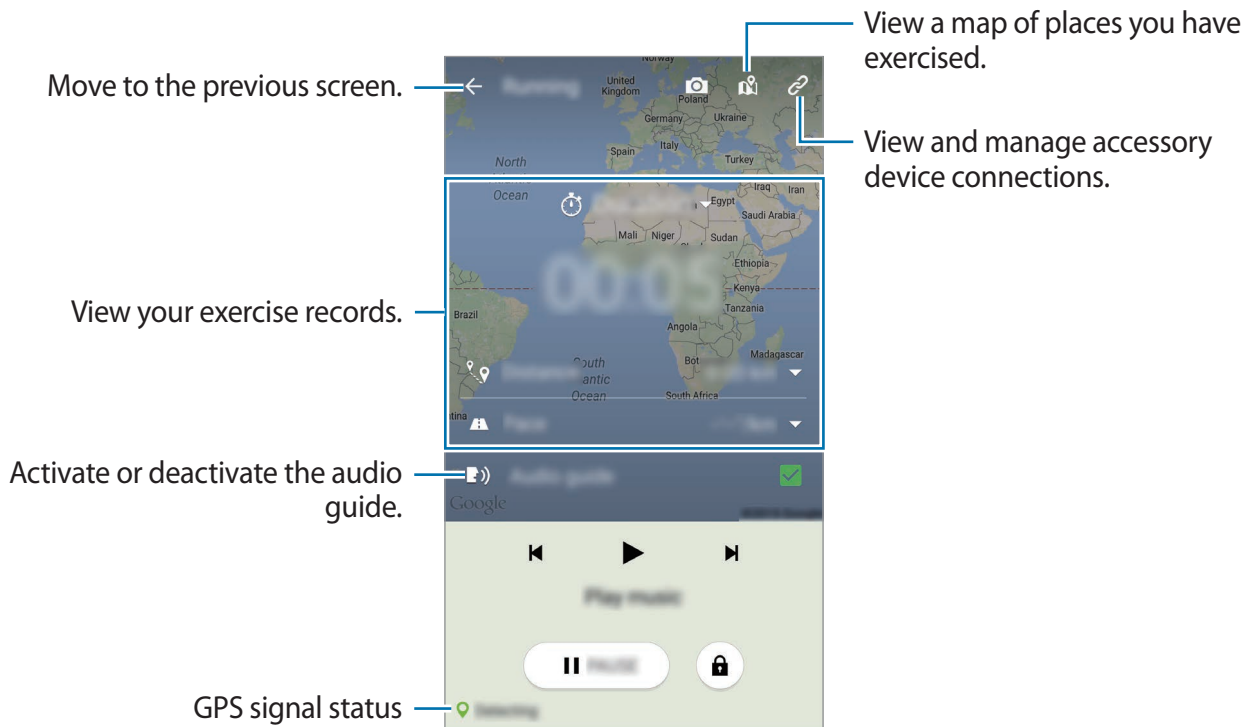
Using the Food tracker

Set a calorie goal and record your daily caloric intake.

On the S Health home screen, tap   → **Food**.

View the logs of your daily caloric intake.

Access the S Health menu screen.

Move to a specific date of caloric intake records.

Calories intake

Enter mealtime information.

View your caloric intake on a graph.
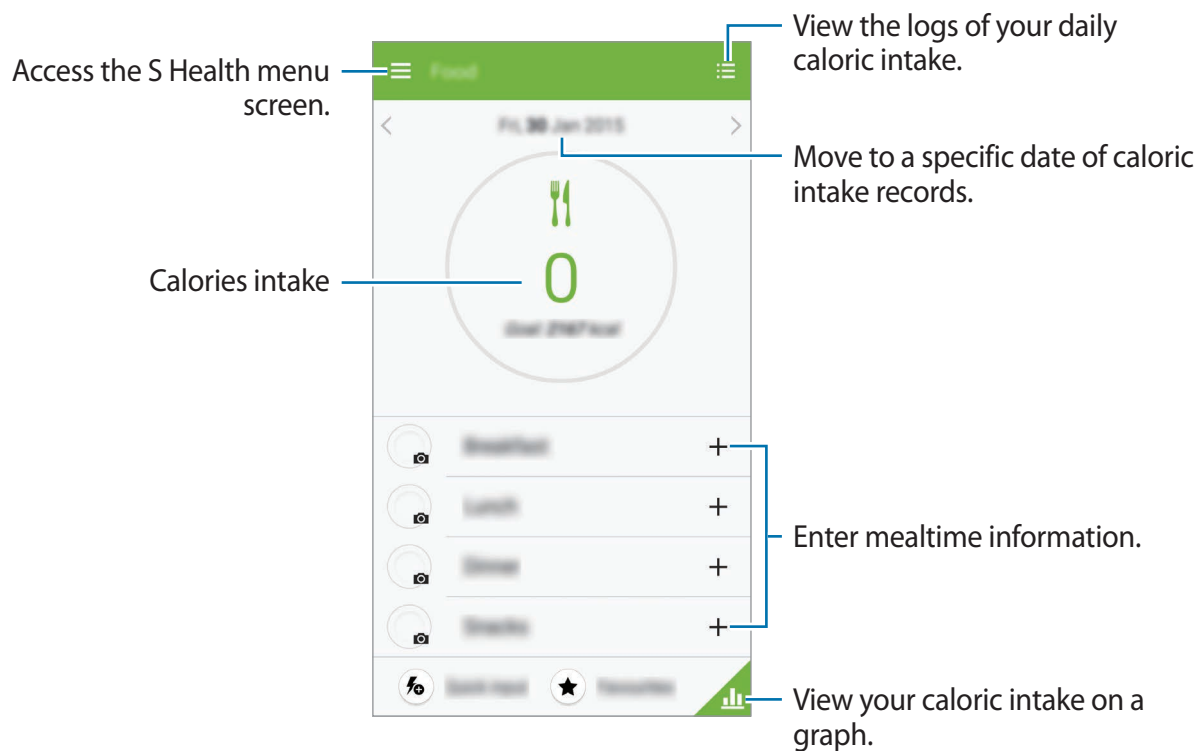
Tap   to enter the caloric intake. Enter the mealtime information, and then tap **SAVE**.

Press the Menu button and use the following functions:

- **Daily calorie goals**: Change your daily caloric intake goal.
- **Share via**: Send the current page to others.
- **Help**: Access help information about using this feature.

Managing weight

Record your weight changes and manage the weight data.

On the S Health home screen, tap ▤ → **Weight**.

View the logs of your daily weight.

Access the S Health menu screen.

View and manage accessory device connections.

Move to a specific date of weight data records.

Weight data

Height data

Enter weight data.

View your weight changes on a graph.
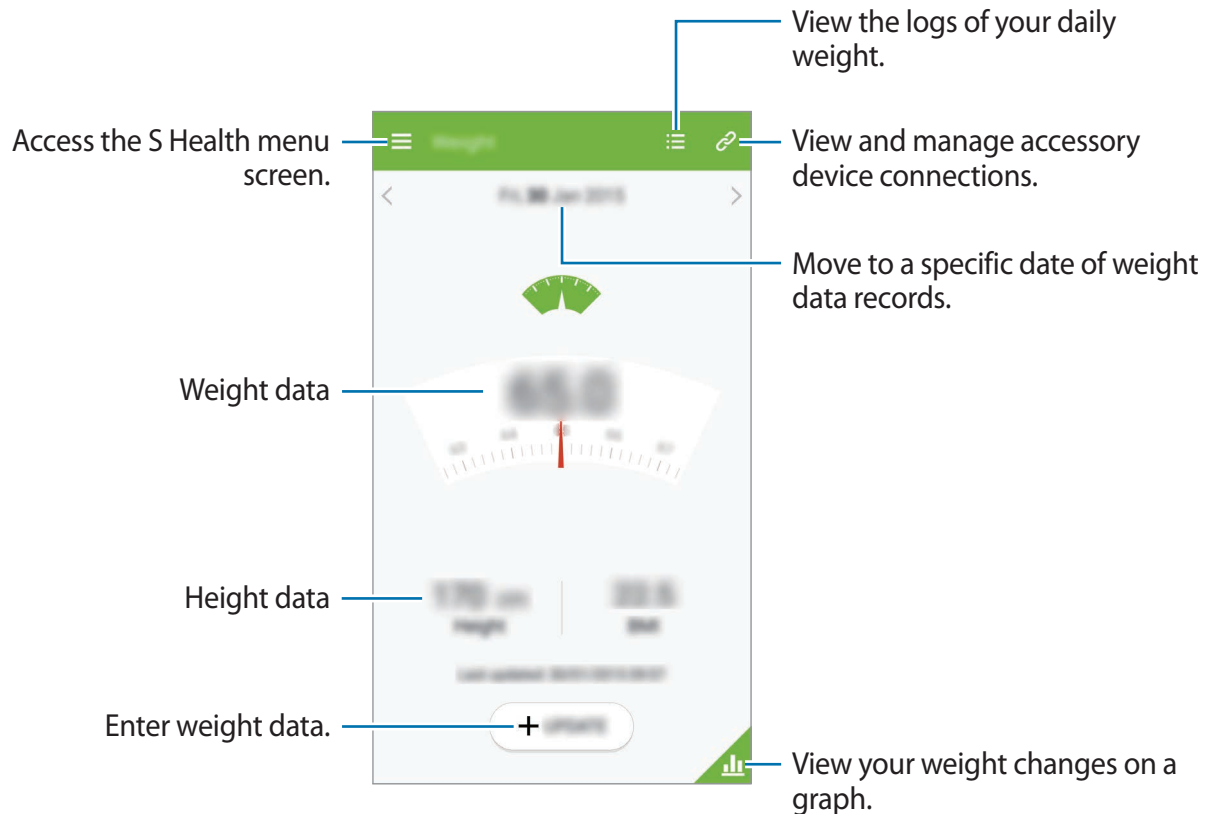
Tap **UPDATE** to enter the weight data. Enter a value, and then tap **SAVE**. Whenever you change the weight data, the device applies the data to your profile.

You can connect a measuring device and record your weight. Tap 🔗 → **SCAN**, select a measuring device, and then follow the on-screen instructions to connect the measuring device.

Press the Menu button and use the following functions:

- **Share via**: Send the current page to others.
- **Help**: Access help information about using this feature.

Configuring settings for S Health

On the S Health home screen, press the Menu button, tap **Settings**, and then select one of the following:

- **Edit profile**: Edit your physical statistics.
- **Accounts**: Manage S Health data by signing in to your Samsung account.
- **Password**: Set a PIN to lock or unlock S Health.
- **Unit settings**: Set unit options.
- **Notification**: Set the device to display new events.
- **My accessories**: View and manage accessory device connections.
- **Compatible accessories**: View accessories that are compatible with the device or manage connected accessories.
- **Reset data**: Reset S Health data.
- **Check for updates**: Check the current version of S Health.
- **Terms and Conditions**: View the terms and conditions, including personal information and data retention policies.
- **About S Health**: View information about S Health.

S Translator

Use this application to translate text into other languages.

Tap **S Translator** on the Applications screen.

Using S Translator

Set the source and target languages, enter text in the input field, and then tap   .

To add a language pair to your favourites list, tap   .

To send a language pair to others, tap   .

Starting a conversation with the translator

Tap the buttons at the bottom of the screen to communicate with another person via spoken translation.

Tap **Speak** for your language, and then speak into the microphone. The device will translate what you say. Tap   in the target language field to let the device read the translation out loud.

Then, tap **Speak** for the language of the person you are talking with and let the person reply in their language. The device will translate what they say. Tap   in the source language field to let the device read it back to you.

Voice Recorder

Use this application to record or play voice memos.

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

Recording voice memos

Tap ⊙ to start recording. Speak into the microphone at the bottom of the device. Tap ⏸ to pause recording. Tap ⊡ to finish recording.

Recording elapsed time

Start recording.

Change the recording quality.

Display the list of voice memos.
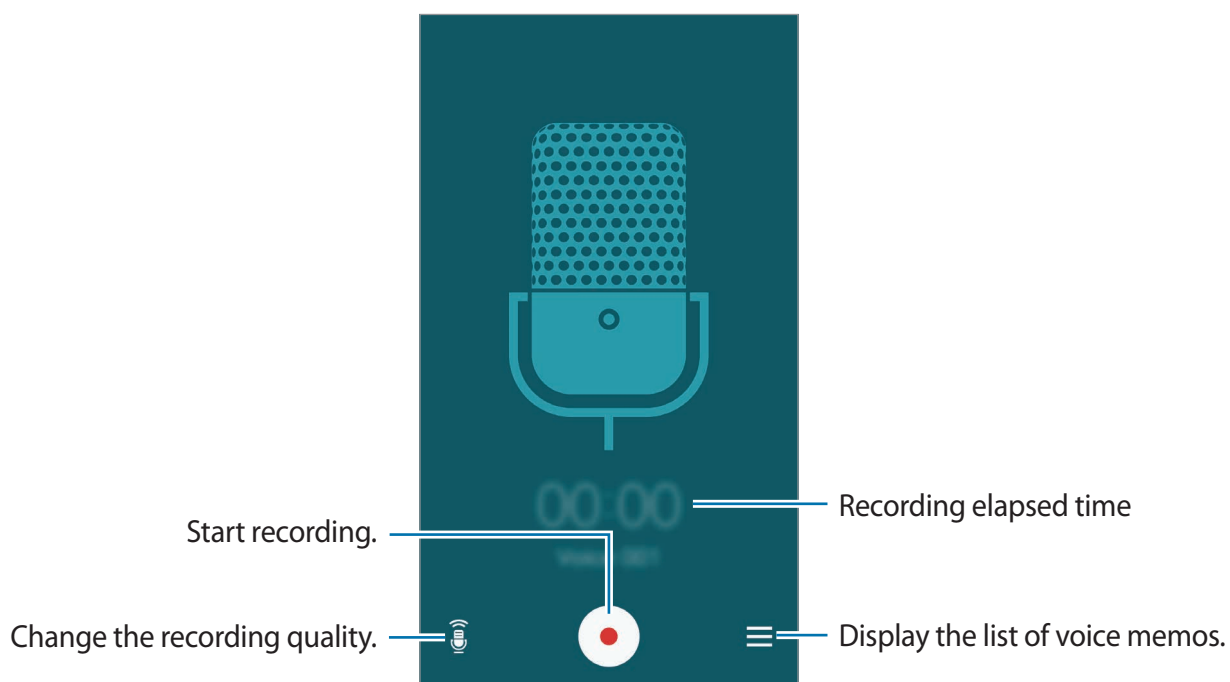
To set the device to remove background noise, press the Menu button, and then tap **Settings** → **Noise reduction** → **On**.

Playing voice memos

Select a voice memo to play.

- ✂ : Trim the voice memo.
- x1.0 : Adjust the playback speed.
- ⏸ : Pause playback.
- ⏪ / ⏩ : Skip 60 seconds backwards or forwards.
- ◀◀ / ▶▶ : Skip to the previous or next voice memo.

To send a voice memo to others, press the Menu button, tap **Share via**, and then select a sharing method.

Managing voice memos

In the list of voice memos, press the Menu button and select one of the following:

- **Share via**: Select voice memos to send, and then select a sharing method.
- **Delete**: Select voice memos to delete.
- **Settings**: Change the voice recorder settings.

Saving files with contextual tags

In the list of voice memos, press the Menu button, and then tap **Settings** → **Contextual filename** → **On**.

S Voice

Use this application to command the device by voice to dial a number, send a message, write a memo, and more.

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

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

Here are several examples of spoken commands:

- Open music
- Launch calculator
- Call Lulu mobile
- Dial Lulu work
- Check schedule

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.

Hands-free mode

In hands-free mode, the device will read content aloud when you have incoming calls, messages, and notifications so you can use the device without hands while driving. For example, the device will read aloud the caller's name or phone number when a call comes in.

To activate hands-free mode, say "Hands-free mode on."

Google

Use this application to search not only the Internet, but also applications and their contents on the device as well.

Tap **Google** on the Applications screen.

> This application 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 speak a keyword.

If no results are returned from the applications, the web browser appears, displaying the search results.

Search scope

To select what applications to search, press the Menu button, and then tap **Settings** → **Phone search**, and then tick the items to search for.

Google Now

Launch Google search to 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 opening Google search for the first time. To change Google Now settings, press the Menu button, tap **Settings**, and then drag the **Google Now** switch to the left or right.

Voice Search

Use this application to search webpages by speaking.

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

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

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

My Files

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

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

Viewing files

Select a category, and then select a folder to open it. To go back to the parent folder, tap . To return to the root directory, tap .

In a folder, press the Menu button, and then use one of the following options:

- **Select all**: Select all files to apply the same option to them at once.
- **Create folder**: Create a folder.
- **Search**: Search for files.
- **View by**: Change the view mode.
- **Sort by**: Sort files or folders.
- **Settings**: Change the file manager settings.

Adding shortcuts to folders

Add a shortcut of frequently-used folders to the root directory. Press the Menu button, tap **Add shortcut**, enter a shortcut name, select a folder, and then tap **SET HERE**.

Downloads

Use this application to see what files are downloaded through the applications.

Tap **Downloads** on the Applications screen.

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

Select a file to open it with an appropriate application.

To sort the files by size, tap **SORT BY SIZE**.

To sort the files by date, tap **SORT BY DATE**.

To clear the history, tap **CLEAR LIST**.

TripAdvisor

Use this application to get travel information such as destination or hotel. You can also book for a room and share your reviews with others.

Tap **TripAdvisor** on the Applications screen.

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

Optical Reader

Use this application to scan or extract text or data from images, documents, business cards, or QR codes.

Tap **Optical Reader** on the Applications screen.

To start **Optical Reader**, you need to download and install the application. Tap **OK**, and then follow the on-screen instructions.

> You may incur additional charges when downloading this application via the mobile network. To avoid additional charges, contact your service provider.

To select languages to recognise, press the Menu button, and then tap **Language settings**.

Scanning text

Aim the pointer at an image, document, or QR code.

- Text: View the definition of extracted words.
- Business cards: Make calls or send messages from the scanned contact information.
- QR codes: View information for QR codes.

> - Some QR codes may not be recognised.
> - The following types of text may not be recognised: handwriting, small fonts, graphic fonts, cursive text, or text in images.

Extracting and translating text

Tap ![icon], and then select the languages to translate. Aim the rear camera at some text, and then tap ![icon] → ![icon] to capture an image of the text.

To capture a large text image that does not fit within the viewfinder, tap ![icon] to capture the image in multiple sections.

- Tap the underlined word to translate it.
- Tap ![icon] to extract the text from the image.

Travel & local

Maps

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

Tap **Maps** on the Applications screen.

> ✎ This application 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.

Settings

About Settings

Use this application to configure the device, set application options, and add accounts.

Tap **Settings** on the Applications screen.

CONNECTIONS

Wi-Fi

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

To use options, press the Menu button.

- **Advanced**: Customise Wi-Fi settings.
- **WPS push button**: Connect to a secured Wi-Fi network with a WPS button.
- **WPS PIN entry**: Connect to a secured Wi-Fi network with a WPS PIN.
- **Help**: Access help information for Wi-Fi.

Setting Wi-Fi sleep policy

On the Settings screen, tap **CONNECTIONS** → **Wi-Fi**, press the Menu button, and then tap **Advanced** → **Keep Wi-Fi on during sleep**.

> When the screen is turned off, the device automatically turns off Wi-Fi connections. When this happens, the device automatically accesses data networks if it is set to use them. This may incur data transfer fees. To avoid data-usage bills, set this option to **Always**.

Setting Network notification

The device can detect open Wi-Fi networks and display an icon on the status bar to notify when available.

On the Settings screen, tap **CONNECTIONS** → **Wi-Fi**, press the Menu button, tap **Advanced**, and then tick **Network notification** to activate this feature.

Wi-Fi Direct

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

On the Settings screen, tap **CONNECTIONS** → **Wi-Fi**, press the Menu button, and then tap **Wi-Fi Direct**.

Bluetooth

Activate the Bluetooth feature to exchange information over short distances.

To use more options, press the Menu button.

- **Visibility timeout**: Set duration that the device is visible.
- **Received files**: View received files via the Bluetooth feature.
- **Help**: Access help information for Bluetooth.

Data usage

Keep track of your data usage amount, and customise the settings for the limitation.

- **Mobile data**: Set the device to use data connections on any mobile network.
- **Set mobile data limit**: Set a limit for the mobile data usage.

To use more options, press the Menu button.

- **Restrict background data**: Set the device to disable sync in the background while using a mobile network.
- **Show Wi-Fi usage**: Set the device to show your data usage via Wi-Fi.

- **Mobile hotspots**: Select Wi-Fi hotspots to prevent applications that are running in the background from using them.

- **Auto-sync data**: Set the device to sync contact, calendar, email, bookmark, and social network image data automatically.

More networks

Customise settings to control networks.

Flight mode

This disables all wireless functions on your device. You can use only non-network services.

Default messaging app

Select the default application to use for messaging.

Printing

Configure settings for printer plug-ins installed on the device. You can search for available printers or add one manually to print files via Wi-Fi or cloud services.

Mobile networks

- **Mobile data**: Use to allow packet switching data networks for network services.
- **Data roaming**: Use the device to connect to another network when you are roaming.
- **Access Point Names**: Set up access point names (APNs).
- **Network mode**: Select a network type.
- **Network operators**: Search for available networks and select a network for roaming.

Tethering and Mobile hotspot

• **Mobile hotspot**: Use the portable Wi-Fi hotspot to share the device's mobile network connection with computers or other devices through the Wi-Fi network.

• **USB tethering**: Use USB tethering to share the device's mobile network connection with a computer via USB. When connected to a computer, the device is used as a wireless modem for the computer.

• **Bluetooth tethering**: Use Bluetooth tethering to share the device's mobile network connection with computers or other devices via Bluetooth.

• **Help**: Learn more about USB, Wi-Fi, and Bluetooth tethering.

VPN

Set up and connect to virtual private networks (VPNs).

NFC

Activate the NFC feature to read or write NFC tags that contain information.

• **Android Beam**: Turn on the Android Beam feature to send data, such as webpages and contacts, to NFC-enabled devices.

• **Tap and pay**: Set the default payment method.

S Beam

Activate the S Beam feature to send data, such as videos, images, and documents, to devices that support NFC and Wi-Fi Direct.

Nearby devices

- **Content to share**: Set the device to share your content with other devices.
- **Allowed devices**: View the list of devices that can access your device.
- **Denied devices**: View the list of devices that are blocked from accessing your device.
- **Download to**: Select a memory location for saving media files.
- **Receive files from other devices**: Set the device to accept uploads from other devices.

Screen Mirroring

Activate the screen mirroring feature and share your display with others.

MY DEVICE

Lock screen

Change settings for the locked screen.

- **Screen lock**: Activate the screen lock feature. The following options may vary depending on the screen lock feature selected.
- **Lock screen widgets**:
  - **Clock or personal message**: Set the device to show a clock or personal message on the locked screen. The following options may vary, depending on your selection.

    For a personal message:

  - **Edit personal information**: Edit the personal message.

    For a clock:

  - **Dual clock**: Set the device to show the dual clock.
  - **Clock size**: Change the size of the clock.
  - **Show date**: Set the device to show the date with the clock.
  - **Owner information**: Enter your information that is shown with the clock.

- **Unlock effect**: Select an effect when you unlock the screen.
- **Help text**: Set the device to show the help text on the locked screen.
- **Wake up in lock screen**: Set the device to recognise your wake up command when the screen is locked.
- **Set wake-up command**: Set a wake up command to launch **S Voice** or perform a specified function.

Display

Change the settings for the display.

- **Wallpaper**:
   - **Home screen**: Select a background image for the Home screen.
   - **Lock screen**: Select a background image for the locked screen.
   - **Home and lock screen**: Select a background image for the Home screen and the locked screen.
- **Notification panel**: Customise the items that appear on the notifications panel.
- **Multi window**: Set the device to use Multi Window.
- **Screen mode**:
   - **Adapt Display**: Use this mode for optimising the display according to the display settings.
   - **Dynamic**: Use this mode to make the display tone more vivid.
   - **Standard**: Use this mode for normal surroundings.
   - **Cinema**: Use this mode for dim surroundings, such as in a dark room.
- **Brightness**: Set the brightness of the display.
- **Auto rotate screen**: Set the content to rotate automatically when the device is turned.
- **Screen timeout**: Set the length of time the device waits before turning off the display's backlight.
- **Daydream**: Set the device to launch a screensaver when your device is connected to a desktop dock.

- **Font style**: Change the font type for display text.
- **Font size**: Change the font size.
- **Display battery percentage**: Set the device to display the remaining battery life.
- **Edit after screen capture**: Set the device to edit the screenshot after capturing it.
- **Increase touch sensitivity**: Set the device to increase the sensitivity so you can use the touch screen with gloves on.

> Depending on the type of material you wear while touching the device, some commands may not be recognised.

LED indicator

- **Charging**: Set the device to turn on the notification light while you are charging the battery.
- **Low battery**: Set the device to turn on the notification light when the battery is low.
- **Notifications**: Set the device to turn on the notification light when you have missed calls, messages, or notifications.
- **Voice recording**: Set the device to turn on the notification light when you record voice memos.

Sounds and notifications

Change settings for various sounds on the device.

- **Vibration intensity**: Adjust the force of the vibration notification.
- **Vibrate when ringing**: Set the device to vibrate and play a ringtone for incoming calls.
- **Ringtones**: Select a ringtone to alert you to incoming calls.
- **Vibrations**: Add or select a vibration pattern.
- **Notification ringtone**: Select a ringtone for events, such as incoming messages and missed calls.
- **Application notifications**: Change the notification settings for each application.
- **Adapt Sound**: Personalise the sound for the ear you use most during calls or while listening to music.

Easy mode

Select a Home screen mode (standard or easy).

Call

Customise the settings for calling features.

- **Call rejection**: Reject calls from specified phone numbers automatically. Add phone numbers to the reject list.
- **Rejection messages**: Add or edit the message sent when you reject a call.
- **Answering and ending calls**:
  - **Pressing the home key**: Set the device to answer an incoming call when pressing the Home button.
  - **Voice control**: Set the device to answer or reject an incoming call with voice commands.
  - **Pressing the power key**: Set the device to end a call when pressing the Power button.
- **Turn off screen during calls**: Set the device to turn on the proximity sensor during a call.
- **Call alerts**:
  - **Vibrate when answered**: Set the device to vibrate when the other party answers a call.
  - **Vibrate when call ends**: Set the device to vibrate when the other party ends a call.
  - **Call connect tone**: Activate or deactivate the call connection tone.
  - **Minute minder**: Activate or deactivate the minute minder tone.
  - **Call end tone**: Activate or deactivate the call disconnection tone.
  - **Notify during calls**: Set the device to alert you to events during a call.

- **Call accessories**:
  - **Automatic answering**: Set the device to answer automatically after a specified period (available only when a headset is connected).
  - **Automatic answering timer**: Select the length of time that the device waits before answering calls.
  - **Outgoing call conditions**: Set the device to allow outgoing calls with a Bluetooth headset, even when your device is locked.
  - **Outgoing call types**: Select the type of outgoing calls to make you use a Bluetooth headset.
- **More settings**:
  - **Caller ID**: Display your caller ID to other parties for outgoing calls.
  - **Call forwarding**: Divert incoming calls to another number.
  - **Auto area code**: Set the device to insert a prefix (area or country code) automatically before a phone number.
  - **Call barring**: Block incoming or outgoing calls.
  - **Call waiting**: Allow incoming call alerts when a call is in progress.
  - **Auto redial**: Activate auto redial for calls that were not connected or that were cut off.
  - **Fixed Dialling Numbers**: Activate or deactivate FDN mode to restrict calls to numbers in the FDN list. Enter the PIN2 supplied with your SIM or USIM card.
- **Ringtones and keypad tones**:
  - **Ringtones**: Select a ringtone to alert you to incoming calls.
  - **Vibrations**: Add or select a vibration pattern.
  - **Vibrate when ringing**: Set the device to vibrate and play a ringtone for incoming calls.
  - **Dialling keypad tone**: Set the device to sound when tapping the buttons on the keypad.

- **Personalise call sound**: Select a type of call sound to use with a headset.

- **Noise reduction**: Set the device to remove background noise so that the other party can hear you more clearly.

- **Increase volume in pocket**: Set the device to raise the ringtone volume when the device is in an enclosed, such as a bag or pocket.

- **Hide my video**: Select an image to be shown to the other party.

- **Use call fail options**: Choose to try a voice call when a video call fails to connect.

- **Service provider**: Select or set your voicemail service provider.

- **Voicemail settings**: Enter the number to access the voicemail service. Obtain this number from the service provider.

- **Alert sound**: Select a ringtone to alert you to new voicemails.

- **Vibrate**: Set the device to vibrate when voicemails are received.

Hands-free mode

Set the device to read contents aloud and specify applications to use in hands-free mode.

Safety assistance

Set the device to send a message to recipients in an emergency. Press and hold the Volume up button and the Volume down button for 3 seconds to send the message.

- **Edit emergency message**: Edit the message that will be sent when you are in an emergency.

- **Send emergency pictures**: Set the device to take photos and send them along with the message to the recipients.

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

- **Message interval**: Set an interval for resending the message.

- **Emergency contacts**: Select or edit the recipients for the message.

Power saving mode

Activate power-saving mode and change the settings for power-saving mode.

- **CPU performance**: Set the device to limit some system resource usage.
- **Screen output**: Set the device to decrease the brightness of the display.
- **Disable haptic feedback**: Set the device to turn off the vibration when touching keys.
- **Learn about Power saving**: Discover how to reduce battery consumption.

Accessories

Change the accessory settings.

- **Dock sound**: Set the device to play a sound when your device is connected to or removed from a desktop dock.
- **Audio output mode**: Set the device to use the dock speaker when your device is connected to a desktop dock.
- **Desk home screen display**: Set the device to show the desk clock when your device is connected to a desktop dock.
- **Audio output**: Select a sound output format to use when connecting your device to HDMI devices. Some devices may not support the surround sound setting.

Accessibility

Accessibility services are special features for those with certain physical disabilities. Access and alert the following settings to improve accessibility to the device.

- **Answering and ending calls**:
  - **Pressing the home key**: Set the device to answer an incoming call when pressing the Home button.
  - **Voice control**: Set the device to answer or reject an incoming call with voice commands.
  - **Pressing the power key**: Set the device to end a call when pressing the Power button.
- **Manage accessibility**: Export or import the accessibility settings to share them with other devices.

Language and input

Change the settings for text input. Some options may not be available depending on the selected language.

Language

Select a display language for all menus and applications.

Default

Select a default keyboard type for text input.

Samsung keyboard

Change the Samsung keyboard settings.

> 📝 The available options may vary depending on the region or service provider.

- **Select input languages**: Select languages for text input.
- **Predictive text**: Activate predictive text mode to predict words based on your input and show word suggestions. You can also customise the word prediction settings.
- **Auto replace**: Set the device to correct misspelled and incomplete words by tapping the space bar.
- **Auto capitalise**: Set the device to automatically capitalise the first character after a final punctuation mark, such as a full stop, question mark, or exclamation mark.
- **Auto spacing**: Set the device to automatically insert a space between words.
- **Auto punctuate**: Set the device to insert a full stop when you double-tap the space bar.
- **Sound**: Set the device to sound when a key is touched.
- **Vibration**: Set the device to vibrate when a key is touched.
- **Character preview**: Set the device to display a large image of each character tapped.
- **Reset settings**: Reset Samsung keyboard settings.

Google voice typing

Change the voice input settings.

- **Choose input languages**: Select input languages for text input.
- **Block offensive words**: Set the device to prevent the device from recognising offensive words in voice inputs.
- **Offline speech recognition**: Download and install language data for offline voice input.

Voice input

Select a voice recognition engine.

To change the voice input settings, tap ✿.

- **Languages**: Select a language for the voice recognition.
- **Speech output**: Set the device to provide voice feedback to alert you to the current action.
- **"Ok Google" detection**: Set the device to begin voice recognition when you say the wake up command while using the search application.

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

- **Offline speech recognition**: Download and install language data for offline voice input.
- **Block offensive words**: Hide offensive words from voice search results.
- **Bluetooth headset**: Set the device to allow a voice search with a Bluetooth headset, when it is connected to the device.

Text-to-speech options

- **Preferred TTS engine**: Select a speech synthesis engine. To change the settings for speech synthesis engines, tap ⚙.

- **Speech rate**: Select a speed for the text-to-speech feature.

- **Listen to an example**: Listen to the spoken text for an example.

- **Default language status**: View the status of the default language for the text-to-speech feature.

Pointer speed

Adjust the pointer speed for the mouse or trackpad connected to your device.

Motions and gestures

Activate the motion recognition feature and change the settings that control motion recognition on your device.

- **Air gesture**:

  - **Learn about sensor and icon**: View information about the gesture sensor and the indicator that appears while using the air gesture feature.

  - **Quick glance**: When the screen is turned off, move your hand above the sensor to view notifications, missed calls, new messages, time and date, and more.

  - **Air browse**: Move your hand to the left or right across the sensor to browse images, songs, or memos.

  - **Air move**: Tap and hold an icon with one hand, and then move your other hand to the left or right across the sensor to move the icon to another location.

  - **Air call-accept**: When a call comes in, move your hand to the left, and then to the right across the sensor to answer the call.

- **Motion**:
  - **Direct call**: Set the device to make a voice call by picking up and holding the device near your ear while viewing call, message, or contact details.
  - **Smart alert**: Set the device to alert you if you have missed calls or new messages when you pick up the device.
  - **Zoom**: Set the device to zoom in or out while viewing images in **Gallery** or browsing webpages, when you tap and hold two points with your fingers and then tilt the device back and forth.
  - **Browse an image**: Set the device to scroll through an image by moving the device in any direction when the image is zoomed in.
  - **Mute/Pause**: Set the device to mute incoming calls, alarms, and music by placing the device face down.
- **Palm motion**:
  - **Capture screen**: Set the device to capture an image of the screen when you sweep your hand to the left or right across the screen.
  - **Mute/Pause**: Set the device to pause media playback when you touch the screen with your palm.

Smart screen

- **Smart stay**: Set the device to prevent the display backlight from turning off while you are looking at the display.
- **Smart rotation**: Set the interface not to rotate according to the orientation of your face.
- **Smart pause**: Set the device to pause video playback when you look away from the screen.

Air view

Preview content or view information in a pop-up window by pointing at an item with your finger.

- **Information preview**: View information in a pop-up window by pointing at items with your finger.

- **Progress preview**: While playing music or videos, preview a scene or view the elapsed time by pointing at the progress bar with your finger.

- **Speed dial preview**: View contact information of speed dial numbers in a pop-up window by pointing at a speed dial number with your finger.

- **Webpage magnifier**: While browsing the Internet, magnify the content by pointing at the screen.

- **Sound and vibration feedback**: Set the device to sound and vibrate when pointing at items with your finger.

Voice control

Change settings to control options by voice commands.

ACCOUNTS

Add account

Add email or SNS accounts.

Cloud

Change settings for syncing data or files with your Samsung account or Dropbox cloud storage.

Backup and reset

Change the settings for managing settings and data.

- **Back up my data**: Set the device to back up settings and application data to the Google server.
- **Backup account**: Set up or edit your Google backup account.
- **Automatic restore**: Set the device to restore settings and application data when the applications are reinstalled on the device.
- **Factory data reset**: Reset settings to the factory default values and delete all data.

MORE

Customise settings for location services, security, and other options.

Location

Change location settings and activate permissions to allow applications to use your location information.

- **Mode**: Select a method to collect your location data.
- **Recent location requests**: View which apps request your current location information and their battery usage.
- **Location services**: View the location services your device is using.
- **My places**: Set up profiles that will be used for specific locations when you use GPS, Wi-Fi, or Bluetooth features to find your current location.

Security

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

- **Device administrators**: View device administrators installed on the device. You can allow device administrators to apply new policies to the device.
- **Unknown sources**: Choose to install applications from any source. If not chosen, download applications only from **Play Store**.

- **Encrypt device**: Set a password to encrypt data saved on the device. You must enter the password each time you turn on the device.

  > Charge the battery before enabling this setting because it may take more than an hour to encrypt your data.

- **Encrypt external SD card**: Set the device to encrypt files on a memory card.

  > If you reset your device to the factory defaults with this setting enabled, the device will not be able to read your encrypted files. Disable this setting before resetting the device.

- **Remote controls**: Set the device to allow control of your lost or stolen device remotely via the Internet. To use this feature, you must sign in to your Samsung account.

  - **Account registration**: Add or view your Samsung account.

  - **Google location service**: Set the device to allow location data collection or to determine the location of your lost or stolen device via Wi-Fi or mobile network.

- **SIM change alert**: Activate or deactivate the Find my mobile feature which helps locate the device when lost or stolen.

- **Go to website**: Access the Find my mobile website (*findmymobile.samsung.com*). You can track and control your lost or stolen device on the Find my mobile website.

- **Set up SIM card lock**:

  - **Lock SIM card**: Activate or deactivate the PIN lock feature to require the PIN before using the device.

  - **Change SIM PIN**: Change the PIN used to access SIM or USIM data.

- **Make passwords visible**: By default, the device hides passwords for security. Set the device to display passwords as they are entered.

- **Security policy updates**:

  - **Automatic updates**: Set the device to check and download security updates automatically.

  - **Preferred networks**: Select a network connection option to check and download security updates automatically.

  - **Check for updates**: Check for security updates.

- **Send security reports**: Set the device to send security reports automatically when the device is connected to a Wi-Fi network.

- **Storage type**: Set a storage type for credential files.

- **Trusted credentials**: Use certificates and credentials to ensure secure use of various applications.

- **Install from device storage**: Install encrypted certificates stored on the USB storage.

- **Clear credentials**: Erase the credential contents from the device and reset the password.

Application manager

View and manage the applications on your device.

Default applications

Select a default setting for using applications.

- **Home**: Select a default Home screen mode.

- **Messages**: Select the default application to use for messaging.

Battery

View the amount of battery power consumed by your device.

- **Display battery percentage**: Set the device to display the remaining battery life.

Storage

View memory information for your device and memory card, or format a memory card.

> Formatting a memory card permanently deletes all data from it.

> The actual available capacity of the internal memory is less than the specified capacity because the operating system and default applications occupy part of the memory. The available capacity may change when you upgrade the device.

Date and time

Access and alter the following settings to control how the device displays the time and date.

If the battery remains fully discharged or removed from the device, the time and date is reset.

- **Automatic date and time**: Automatically update the time and date when moving across time zones.
- **Set date**: Set the current date manually.
- **Set time**: Set the current time manually.
- **Automatic time zone**: Set the device to receive time zone information from the network when you move across time zones.
- **Select time zone**: Set the home time zone.
- **Use 24-hour format**: Display time in 24-hour format.
- **Select date format**: Select a date format.

About device

Access device information, edit the device name, or update device software.

Google Settings

Use this application to configure settings for some features provided by Google.

Tap **Google Settings** on the Applications screen.

Troubleshooting

Before contacting a Samsung Service Centre, please attempt the following solutions. Some situations may not apply to your device.

When you turn on your device or while you are using the device, it prompts you to enter one of the following codes:

- Password: When the device lock feature is enabled, you must enter the password you set for the device.
- PIN: When using the device for the first time or when the PIN requirement is enabled, you must enter the PIN supplied with the SIM or USIM card. You can disable this feature by using the Lock SIM card menu.
- PUK: Your SIM or USIM card is blocked, usually as a result of entering your PIN incorrectly several times. You must enter the PUK supplied by your service provider.
- PIN2: When you access a menu requiring the PIN2, you must enter the PIN2 supplied with the SIM or USIM card. For details, contact your service provider.

Your device displays network or service error messages

- When you are in areas with weak signals or poor reception, you may lose reception. Move to another area and try again. While moving, error messages may appear repeatedly.
- You cannot access some options without a subscription. Contact your service provider for more details.

Your device does not turn on

- When the battery is completely discharged, your device will not turn on. Charge the battery completely before turning on the device.
- The battery may not be inserted properly. Insert the battery again.
- Wipe both gold-coloured contacts and insert the battery again.

The touch screen responds slowly or improperly

- If you attach a protective cover or optional accessories to the touch screen, the touch screen may not function properly.
- If you are wearing gloves, if your hands are not clean while touching the touch screen, or if you tap the screen with sharp objects or your fingertips, the touch screen may malfunction.
- The touch screen may malfunction in humid conditions or when exposed to water.
- Restart your device to clear any temporary software bugs.
- Ensure that your device software is upgraded to the latest version.
- If the touch screen is scratched or damaged, visit a Samsung Service Centre.

Your device freezes or has fatal errors

If your device freezes or hangs, you may need to close applications or reinsert the battery and turn on the device to regain functionality. If your device is frozen and unresponsive, press and hold the Power button for more than 7 seconds to reboot.

If this does not solve the problem, perform a factory data reset. On the Applications screen, tap **Settings** → **ACCOUNTS** → **Backup and reset** → **Factory data reset** → **RESET DEVICE** → **ERASE EVERYTHING**. Before performing the factory data reset, remember to make backup copies of all important data stored on the device.

If the problem is still not resolved, contact a Samsung Service Centre.

Calls are not connected

- Ensure that you have accessed the right cellular network.
- Ensure that you have not set call barring for the phone number you are dialling.
- Ensure that you have not set call barring for the incoming phone number.

Others cannot hear you speaking on a call

- Ensure that you are not covering the built-in microphone.
- Ensure that the microphone is close to your mouth.
- If using a headset, ensure that it is properly connected.

Sound echoes during a call

Adjust the volume by pressing the Volume button or move to another area.

A cellular network or the Internet is often disconnected or audio quality is poor

- Ensure that you are not blocking the device's internal antenna.
- When you are in areas with weak signals or poor reception, you may lose reception. You may have connectivity problems due to issues with the service provider's base station. Move to another area and try again.
- When using the device while moving, wireless network services may be disabled due to issues with the service provider's network.

The battery icon is empty

Your battery is low. Recharge or replace the battery.

The battery does not charge properly (For Samsung-approved chargers)

- Ensure that the charger is connected properly.
- If the battery terminals are dirty, the battery may not charge properly or the device may turn off. Wipe both gold-coloured contacts and try charging the battery again.
- The batteries in some devices are not user-replaceable. To have the battery replaced, visit a Samsung Service Centre.

The battery depletes faster than when first purchased

- When you expose the battery to very cold or very hot temperatures, the useful charge may be reduced.
- Battery consumption increases when you use messaging features or some applications, such as games or the Internet.
- The battery is consumable and the useful charge will get shorter over time.

Your device is hot to the touch

When you use applications that require more power or use applications on your device for an extended period of time, your device may feel hot to the touch. This is normal and should not affect your device's lifespan or performance.

Error messages appear when launching the camera

Your device must have sufficient available memory and battery power to operate the camera application. If you receive error messages when launching the camera, try the following:

• Charge the battery or replace it with a battery that is fully charged.

• Free some memory by transferring files to a computer or deleting files from your device.

• Restart the device. If you are still having trouble with the camera application after trying these tips, contact a Samsung Service Centre.

Photo quality is poorer than the preview

• The quality of your photos may vary, depending on the surroundings and the photography techniques you use.

• If you take photos in dark areas, at night, or indoors, image noise may occur or images may be out of focus.

Error messages appear when opening multimedia files

If you receive error messages or multimedia files do not play when you open them on your device, try the following:

• Free some memory by transferring files to a computer or deleting files from your device.

• Ensure that the music file is not Digital Rights Management (DRM)-protected. If the file is DRM-protected, ensure that you have the appropriate licence or key to play the file.

• Ensure that the file formats are supported by the device. If a file format is not supported, such as DivX or AC3, install an application that supports it. To confirm the file formats that your device supports, visit *www.samsung.com*.

- Your device supports photos and videos captured with the device. Photos and videos captured by other devices may not work properly.

- Your device supports multimedia files that are authorised by your network service provider or providers of additional services. Some content circulated on the Internet, such as ringtones, videos, or wallpapers, may not work properly.

Another Bluetooth device is not located

- Ensure that the Bluetooth wireless feature is activated on your device.

- Ensure that the Bluetooth wireless feature is activated on the device you wish to connect to.

- Ensure that your device and the other Bluetooth device are within the maximum Bluetooth range (10 m).

If the tips above do not solve the problem, contact a Samsung Service Centre.

A connection is not established when you connect the device to a computer

- Ensure that the USB cable you are using is compatible with your device.

- Ensure that you have the proper driver installed and updated on your computer.

- If you are a Windows XP user, ensure that you have Windows XP Service Pack 3 or higher installed on your computer.

- Ensure that you have Samsung Kies or Windows Media Player 10 or higher installed on your computer.

Your device cannot find your current location

GPS signals may be obstructed in some locations, such as indoors. Set the device to use Wi-Fi or a mobile network to find your current location in these situations.

Data stored on the device has been lost

Always make backup copies of all important data stored on the device. Otherwise, you cannot restore data if it is corrupted or lost. Samsung is not responsible for the loss of data stored on the device.

A small gap appears around the outside of the device case

- This gap is a necessary manufacturing feature and some minor rocking or vibration of parts may occur.
- Over time, friction between parts may cause this gap to expand slightly.

Some content may differ from your device depending on the region, service provider, or software version, and is subject to change without prior notice.