

SAMSUNG

SM-G903W

User Manual

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Health and Safety

Basics

Read me first

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

- Descriptions are based on the device's default settings.
- Some content may differ from your device depending on the region, service provider, or device's software.
- Content (high quality content) that requires high CPU and RAM usage will affect the overall performance of the device. Apps related to the content may not work properly depending on the device's specifications and the environment that it is used in.
- Samsung is not liable for performance issues caused by apps supplied by providers other than Samsung.
- Samsung is not liable for performance issues or incompatibilities caused by edited registry settings or modified operating system software. Attempting to customize the operating system may cause the device or apps 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 depending on your data plan. For large data transfers, it is recommended to use the Wi-Fi feature.
- Default apps that come with the device are subject to updates and may no longer be supported without prior notice. If you have questions about an app provided with the device, contact a Samsung Service Centre. For user-installed apps, 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.

Maintaining water and dust resistance

The device may be damaged if water or dust enters the device. Follow these tips carefully to prevent damage to the device and to maintain the water- and dust-resistant performance of the device.

- Do not immerse the device in water deeper than 1 m and keep it submerged for more than 30 minutes.
- Ensure that the back cover is tightly closed. Otherwise, it may not provide protection from water and dust.
- Do not immerse the device in water for extended periods.
- Do not expose the device to **water moving with force**, such as water running from a tap, ocean waves, or waterfalls.
- Do not open the device's covers when the device is in water or in very humid places, such as swimming pools or bathrooms.
- Do not open the back cover using wet hands or when the device is wet.
- **The rubber seal fitted to the back cover** is an important component of the device. Take care when opening and closing the back cover to avoid damaging the rubber seal. Also, ensure that the rubber seal is free from debris, such as sand or dust to prevent damage to the device.
- **If the device is exposed to freshwater, dry it thoroughly with a clean, soft cloth. If the device is exposed to any liquid other than freshwater, rinse the device with freshwater immediately and dry it thoroughly with a clean, soft cloth. Failure to rinse the device in freshwater and dry it as instructed may cause the device to suffer from operability or cosmetic issues.**
- The back cover may be loosened **if the device is dropped or receives an impact**. Ensure that all the covers are properly aligned and tightly closed.
- **If the device has been immersed in water or the microphone or the speaker is wet**, sound may not be heard clearly during a call. Ensure that the microphone or the speaker is clean and dry by wiping it with a dry cloth.
- The water-resistant design of the device causes it to vibrate slightly in certain conditions. Vibrations in these conditions, such as when the volume level is high, are normal and do not affect the device's performance.
- The touchscreen and other features may not work properly **if the device is used in water or in other liquids**.

- Your device has been tested in a controlled environment and certified to be water- and dust-resistant in specific situations (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°C, 86 - 106 kPa, 1 metre, 30 minutes). Despite this classification, your device is not impervious to water damage in any situation.

Instructional icons



Warning: situations that could cause injury to yourself or others



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



Notice: notes, usage tips, or additional information

Package contents

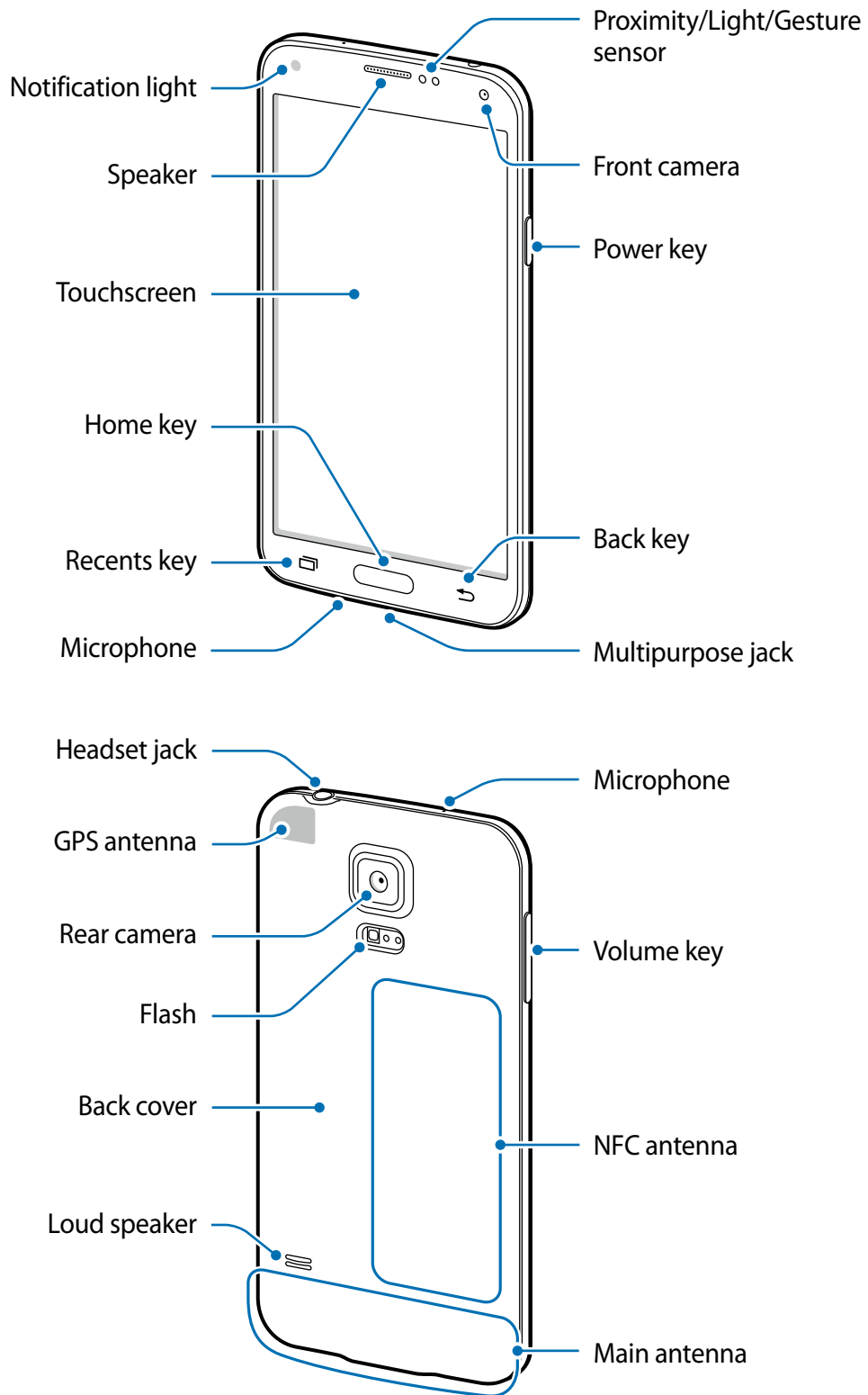
Check the product box for the following items:

- Device
- Battery
- USB cable
- USB power adapter
- 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.
- Some accessories, such as docking devices, may not have the same water- and dust- resistance certification.
- Use only Samsung-approved accessories. Using unapproved accessories may cause the performance problems and malfunctions that are not covered by the warranty.
- Availability of all accessories is subject to change depending entirely on manufacturing companies. For more information about available accessories, refer to the Samsung website.



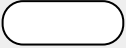

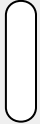
Device layout





- Do not cover the antenna area with your hands or other objects. This may cause connectivity problems or drain the battery.
- Using a Samsung-approved screen protector is recommended. Unapproved screen protectors may cause the sensors to malfunction.

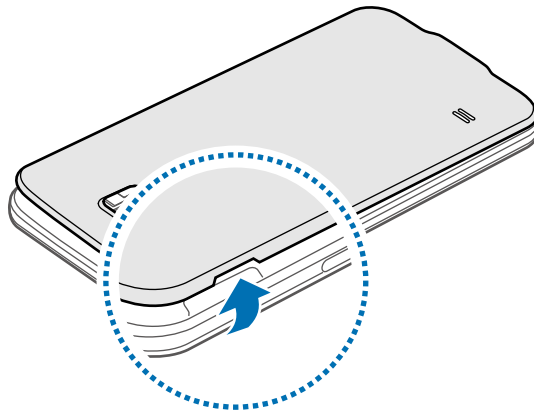
Keys

Key	Function
 Power	<ul style="list-style-type: none"> • Press and hold to turn the device on or off. • Press to turn on or lock the screen.
 Recents	<ul style="list-style-type: none"> • Tap to open the list of recent apps.
 Home	<ul style="list-style-type: none"> • Press to turn on the screen while the screen is locked. • Press to return to the Home screen. • Press and hold to launch Google.
 Back	<ul style="list-style-type: none"> • Tap to return to the previous screen.
 Volume	<ul style="list-style-type: none"> • Press to adjust the device volume.

Battery

Installing the battery

1 Remove the back cover.

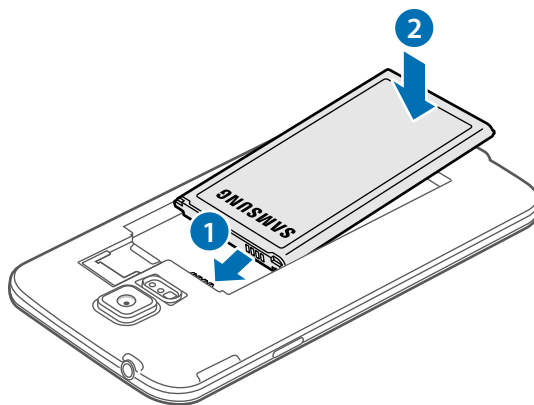


Be careful not to damage your fingernails when you remove the back cover.

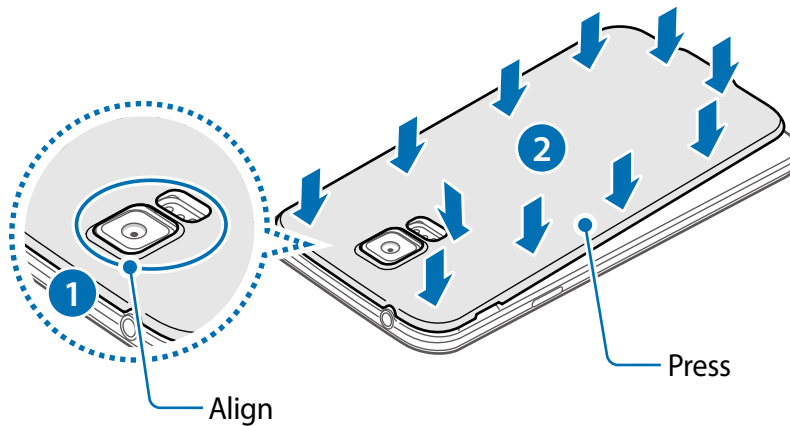


Do not bend or twist the back cover excessively. Doing so may damage the cover.

2 Insert the battery with the battery's gold-coloured contacts properly aligned with the device's contacts.



3 Replace the back cover.



Ensure that the the back cover is closed tightly to prevent water and dust from entering the device. Open or loose back cover may allow water and dust to enter the device and cause damage.

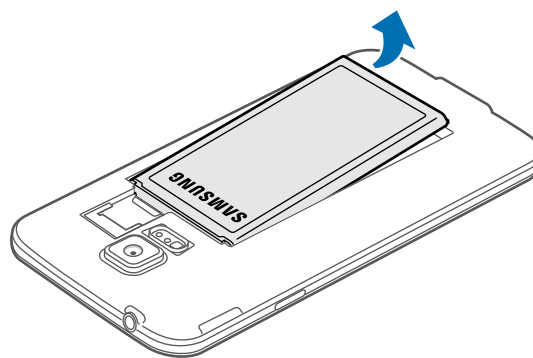


Use only Samsung-approved back covers and accessories with the device.

Removing the battery

1 Remove the back cover.

2 Pull out the battery.



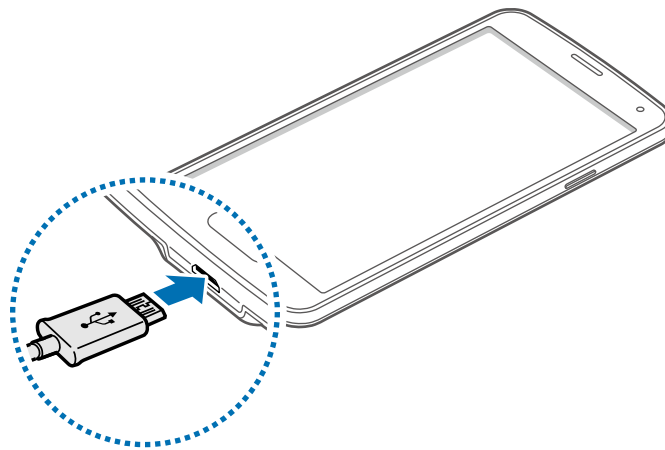
Charging the battery

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



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

- 1 Connect the USB cable to the USB power adapter, 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.

- 2 Plug the USB power adapter into an electric socket.

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



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.

Viewing the remaining charging time

While charging, open the Home screen and tap **Apps** → **Settings** → **Battery**.



The actual charging time may vary depending on the status of your device and the charging conditions. The remaining charging time may not be displayed when you charge the device in very cold or very hot conditions.

Reducing the battery consumption

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

- Optimize the device using the Smart manager.
- When you are not using the device, switch to sleep mode by pressing the Power key.
- Activate power saving mode.
- Close unnecessary apps.
- Deactivate the Bluetooth feature when not in use.
- Deactivate the Wi-Fi feature when not in use.
- Deactivate auto-syncing of apps.
- Decrease the backlight time.
- Decrease the screen brightness.

Battery charging tips and precautions

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

Power saving mode

Save the battery power by limiting the device's functions.

On the Home screen, tap **Apps** → **Settings** → **Battery** → **Power saving mode**, and then tap the switch to activate it.

To automatically activate power saving mode when the remaining battery power reaches the preset level, tap **Start power saving** and select an option.

Ultra power saving mode

Use this mode to extend the device's battery power. In ultra power saving mode, the device performs the following:

- Displays colours on the screen as grey tones.
- Restricts the available apps to essential and selected apps only.
- Deactivates the mobile data connection when the screen turns off.
- Deactivates the Wi-Fi and Bluetooth features.

On the Home screen, tap **Apps** → **Settings** → **Battery** → **Ultra power saving mode**, and then tap the switch to activate it.

To deactivate ultra power saving mode, tap **MORE** → **Disable Ultra power saving mode**.



The usage time left shows the time remaining before the battery power runs out. Usage time left may vary depending on your device settings and operating conditions.

SIM or USIM card

Installing the SIM or USIM card

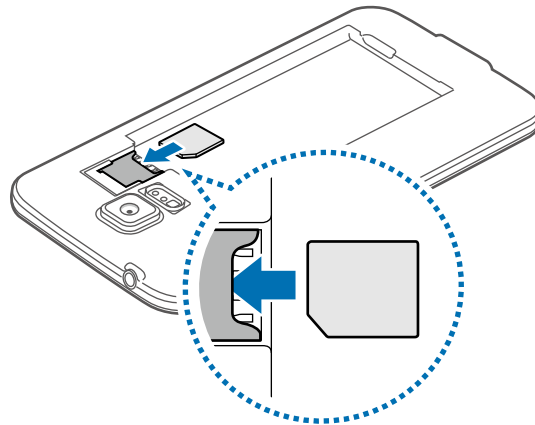
Insert the SIM or USIM card provided by the mobile telephone service provider.



- Only microSIM cards work with the device.
- Some LTE services may not be available depending on the service provider. For more information about service availability, contact your service provider.

- 1 Remove the back cover and battery.

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



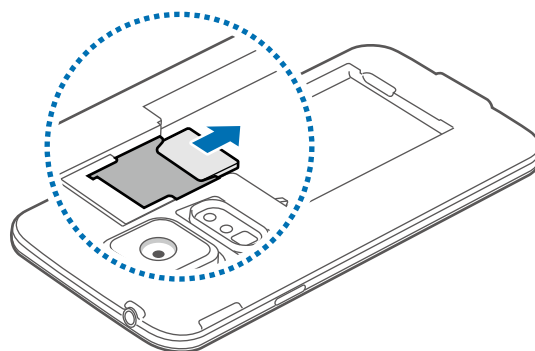
- Do not insert a memory card into the SIM card slot. If a memory card happens to be lodged in the SIM card slot, take the device to a Samsung Service Centre to remove the memory card.
- Use caution not to lose or let others use the SIM or USIM card. Samsung is not responsible for any damages or inconveniences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

3 Replace the battery and back cover.

Removing the SIM or USIM card

1 Remove the back cover and battery.

2 Pull out the SIM or USIM card.



Memory card

Installing a memory card

Your device accepts memory cards with maximum capacity of 128 GB. Depending on the memory card manufacturer and type, some memory cards may not be compatible with your device.

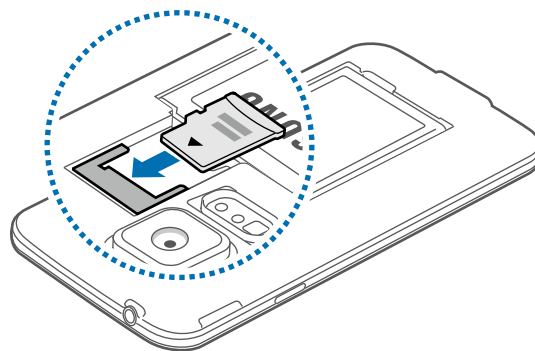


- Some memory cards may not be fully compatible with the device. Using an incompatible card may damage the device or the memory card, or corrupt the data stored in it.
- Use caution to insert the memory card right-side up.



- 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 **My Files** → **SD card** folder.

- 1 Remove the back cover and battery.
- 2 Insert a memory card with the gold-coloured contacts facing downwards.




- 3 Replace the battery and back cover.

Removing the memory card

Before removing the memory card, first unmount it for safe removal.

On the Home screen, tap **Apps** → **Settings** → **Storage** → **Unmount SD card**.


- 1 Remove the back cover and battery.
- 2 Pull out the memory card.
- 3 Replace the battery and 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** → **Storage** → **Format SD card** → **FORMAT SD CARD** → **ERASE EVERYTHING**.


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

Turning the device on and off

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

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

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

-  • If your device is frozen and unresponsive, press and hold the Power key and the Volume key down simultaneously for more than 7 seconds to restart it.
- Follow all posted warnings and directions from authorized personnel in areas where the use of wireless devices is restricted, such as airplanes and hospitals.

Touchscreen



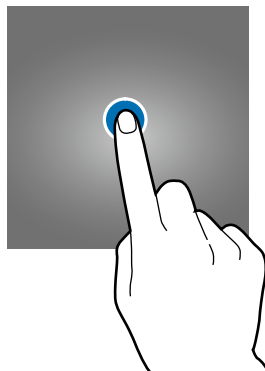
- Do not allow the touchscreen to come into contact with other electrical devices. Electrostatic discharges can cause the touchscreen to malfunction.
- To avoid damaging the touchscreen, do not tap it with anything sharp or apply excessive pressure to it with your fingertips.



- The device may not recognize touch inputs close to the edges of the screen, which are outside of the touch input area.
- Leaving the touchscreen idle for extended periods may result in afterimages (screen burn-in) or ghosting. Turn off the touchscreen when you do not use the device.
- It is recommended to use fingers when you use the touchscreen.

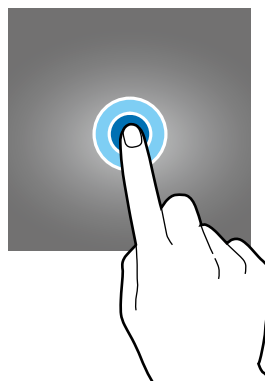
Tapping

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



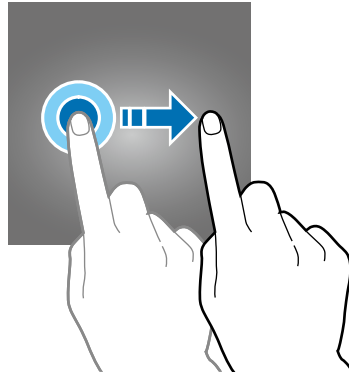
Tapping and holding

Tap and hold an item or the screen for more than 2 seconds to access available options.



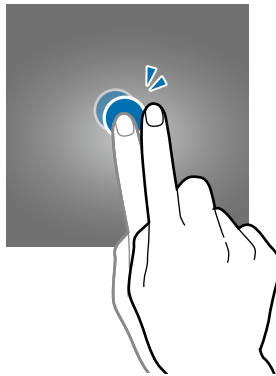
Dragging

To move an item, tap and hold it and drag it to the target position.



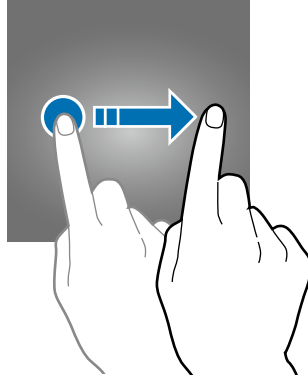
Double-tapping

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



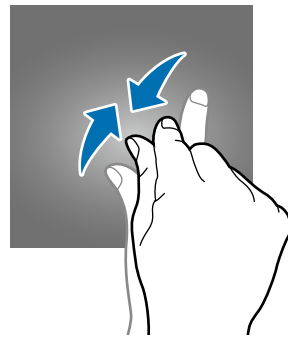
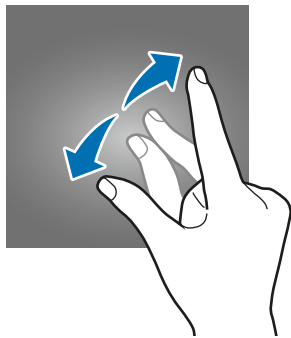
Swiping

Swipe to the left or right on the Home screen or the Apps screen to view other panels. Swipe upwards or downwards to scroll through a webpage or a list of items, such as contacts.



Spreading and pinching

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

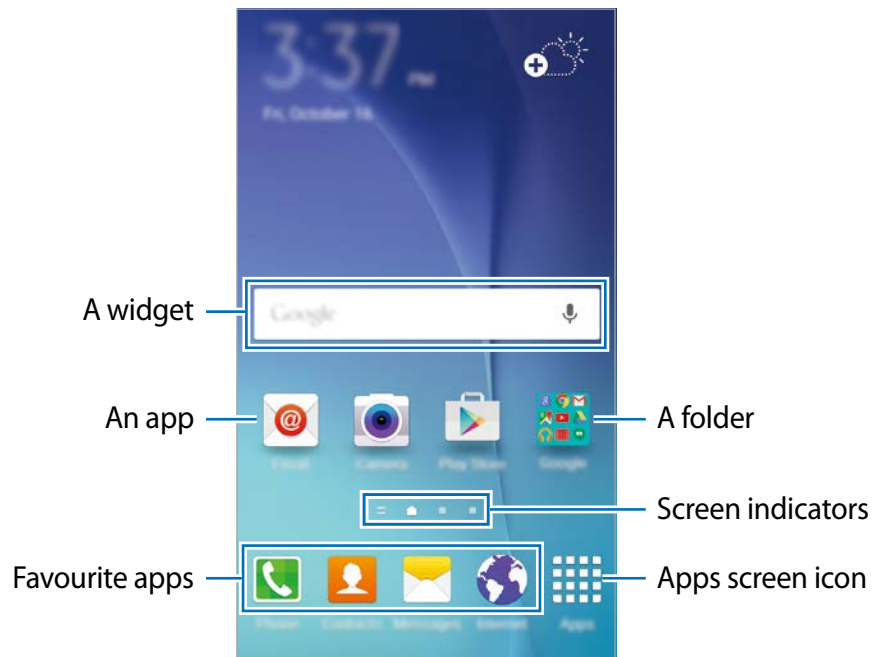


Home screen

Home screen

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

To view other panels, swipe to the left or right, or tap one of the screen indicators at the bottom of the screen.



Home screen options


On the Home screen, tap and hold an empty area, or pinch your fingers together to access the available options. Customize the Home screen by adding, deleting, or rearranging Home screen panels. You can also set the Home screen wallpaper, add widgets to the Home screen, and more.

- **Wallpapers:** Change the wallpaper settings for the Home screen and the locked screen.
- **Widgets:** Add widgets to the Home screen. Widgets are small apps that launch specific app functions to provide information and convenient access on your Home screen.
- **Themes:** Change the device's theme. Visual elements of interface, such as colours, icons, and wallpapers, will change depending on the selected theme.

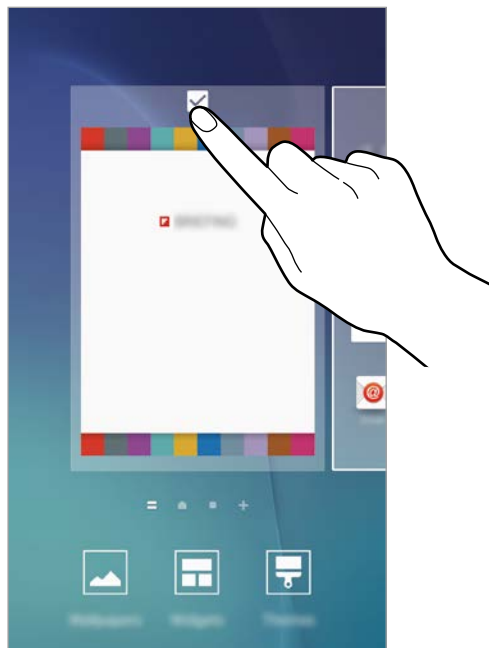


Flipboard Briefing

View the latest articles in various categories. You can get up to date on news that interests you using this feature.

On the Home screen, tap  or swipe to the right to open Flipboard Briefing. Swipe upwards or downwards to browse articles in each news category.

To activate or deactivate Flipboard Briefing, tap and hold an empty area on the Home screen. Then, swipe to the right and select the tick box at the top of the Flipboard Briefing panel.



Adding items

Tap and hold an app or a folder from the Apps screen, and then drag it to the Home screen.

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

Moving and removing an item

Tap and hold an item on the Home screen, and then drag it to a new location.

To move the item to another panel, drag it to the side of the screen.

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

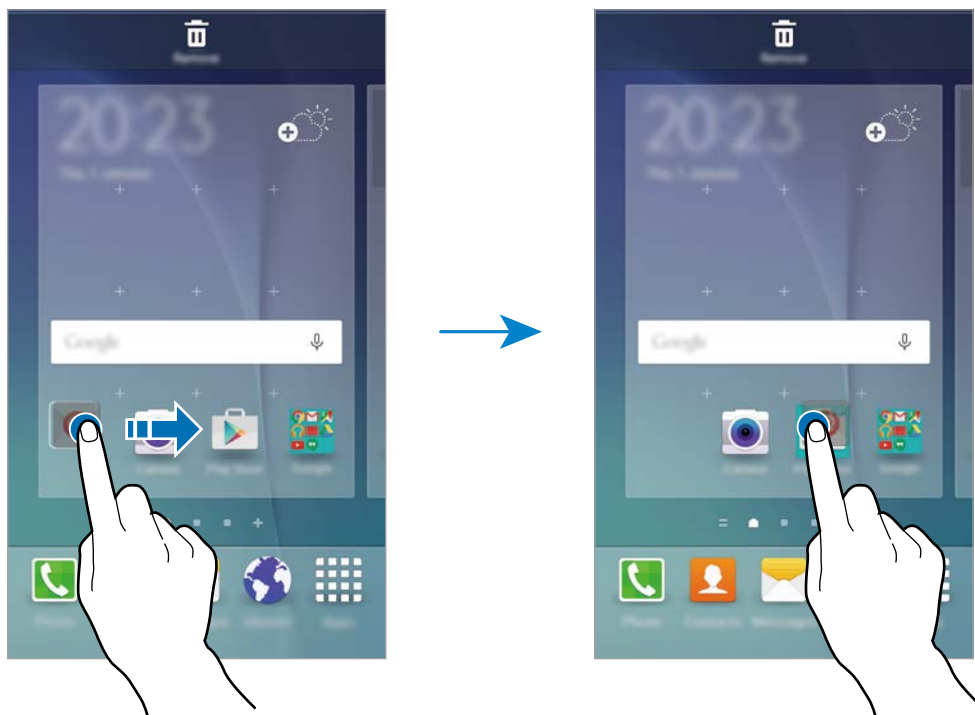
To remove an item, tap and hold the item. Then, drag it to **Remove** at the top of the screen.

Creating folders

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

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

A new folder containing the selected apps will be created.



3 Enter a folder name.

To change the folder colour, tap 🎨.

To add more apps to the folder, tap and hold another app, and then drag it to the folder.

Managing panels

On the Home screen, tap and hold an empty area to add, move, or remove a panel.

To add a panel, swipe to the left, and then tap +.

To move a panel, tap and hold a panel preview, and then drag it to a new location.

To remove a panel, tap and hold a panel preview, and then drag it to **Remove** at the top of the screen.

To set a panel as the main Home screen, tap 🏠.

Apps screen

The Apps screen displays icons for all apps, including newly installed apps.

On the Home screen, tap **Apps** to open the Apps screen. To view other panels, swipe to the left or right, or select a screen indicator at the bottom of the screen.

Moving items



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

On the Apps screen, tap **EDIT**. Tap and hold an item and drag it to a new location.

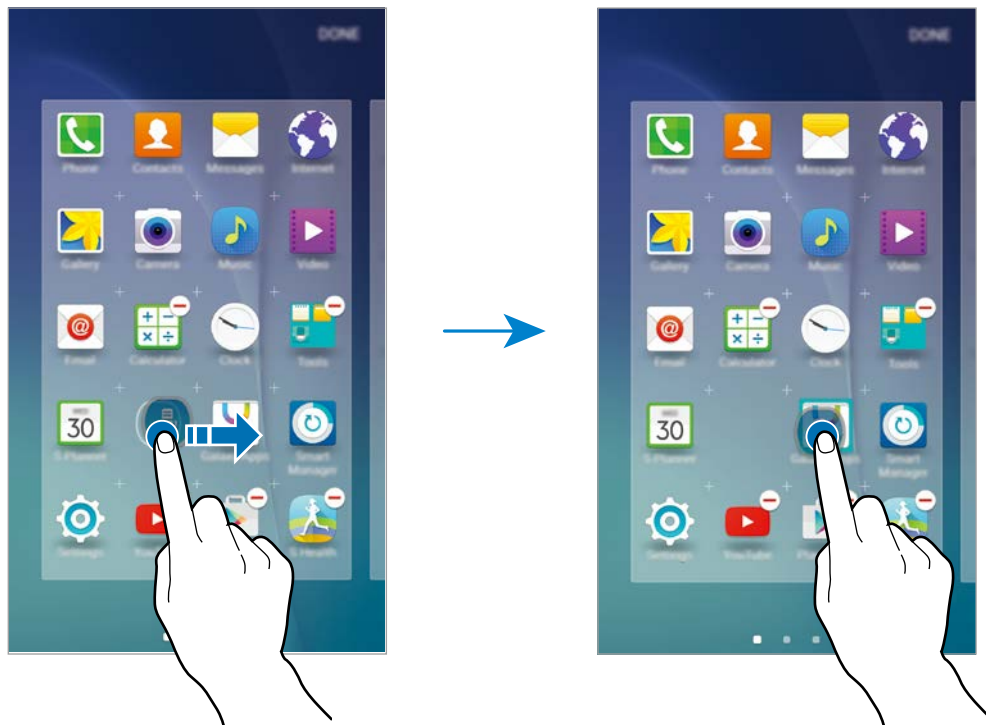
To move the item to another panel, drag it to the side of the screen.

Creating folders



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

- 1 On the Apps screen, tap **EDIT**.
- 2 Tap and hold an app, and then drag it over another app.
- 3 Drop the app when a folder frame appears around the apps.
A new folder containing the selected apps will be created.



- 4 Enter a folder name.
To change the folder colour, tap 🎨.

To add more apps to the folder, tap and hold another app, and then drag it to the folder.

Indicator icons

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



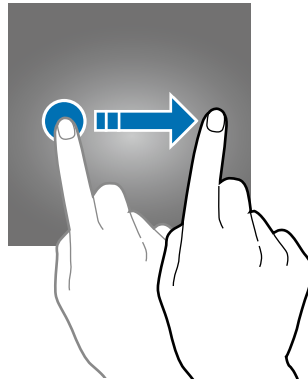
The status bar may not appear at the top of the screen in some apps. To display the status bar, drag down from the top of the screen.

Icon	Meaning
	No signal
	Signal strength
	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
	New text or multimedia message
	Alarm activated
	Mute mode activated
	Vibration mode activated
	Flight mode activated
	Error occurred or caution required
	Battery power level

Lock screen

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

To unlock the screen, press the Power key or the Home key and swipe in any direction.



You can change the way that you lock the screen to prevent others from accessing your personal information.

On the Apps screen, tap **Settings** → **Lock screen and security** → **Screen lock type**, and then select a screen lock method. The device requires an unlock code whenever unlocking it.



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

Pattern

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

PIN

A PIN consists of numbers only. Enter at least four numbers, and then enter the password again to verify it.

Password

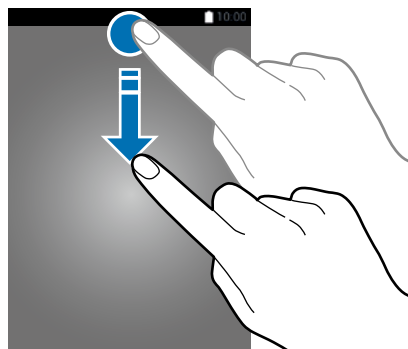
A password consists of characters and numbers. Enter at least four characters including numbers and symbols, and then enter the password again to verify it.

Notification panel

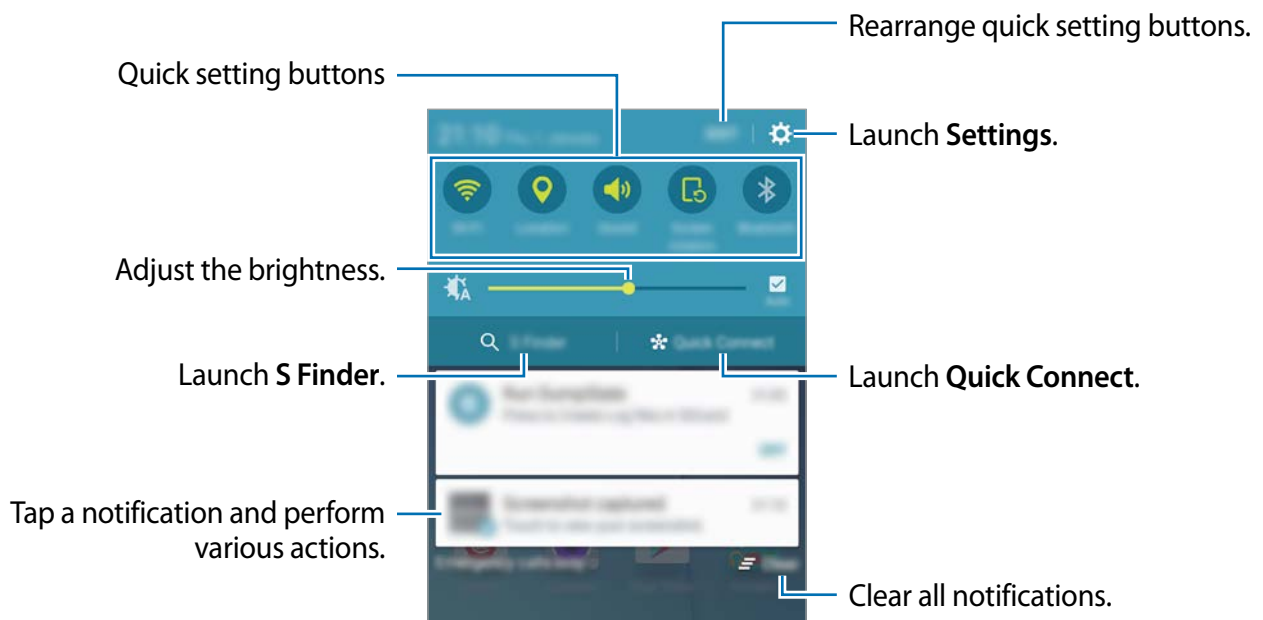
Using the notification panel

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

To open the notification panel, drag the status bar downwards. To close the notification panel, swipe upwards on the screen.



You can use the following functions on the notification panel.



Using quick setting buttons

Tap quick setting buttons to activate some features. Swipe to the left or right on the buttons area to view more buttons. To view more detailed settings, tap and hold a button.

To rearrange buttons, tap **EDIT**, tap and hold a button, and then drag it to another location.

S Finder

Search for a wide variety of content with a keyword.

Searching for content on the device

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

Enter a keyword in the search field or tap  and say a keyword.

To get more refined results, tap the filter buttons under the search field, and then select filter details.

Setting search categories

You can set search categories to search for content in specific search fields.

Tap **MORE** → **Select search locations** and select categories.

Quick Connect

Automatically search for nearby devices and quickly connect to them.



- If the device you want to connect does not support the Quick connect feature, activate its Wi-Fi Direct feature before launching **Quick Connect** on your device.
- Connection methods may vary depending on the type of connected devices or the shared content.

Connecting to other devices

1 Open the notification panel and tap **Quick Connect**.

If you are using this feature for the first time, select a visibility option and tap **ENABLE QUICK CONNECT**.

When the panel opens, the Wi-Fi feature is activated automatically and the device searches for nearby devices.



If you have installed Samsung Link on your device, the list of devices registered with Samsung Link will appear at the top of the screen. For more information about Samsung Link, visit link.samsung.com.

- 2 Select a device from the list and connect to it by following the on-screen instructions.
The next steps may vary depending on the connected device.
To change your device's visibility setting, tap **SETTINGS** → **Device visibility**, and then select an option.

Re-searching for devices

If the desired device does not appear in the list, search for the device.
Tap **REFRESH** and select the device from the list of detected devices.

Sharing content

Share content with the connected devices.

- 1 Open the notification panel and tap **Quick Connect**.
- 2 Select a device from the list of detected devices.
- 3 Tap **Share content** and select a media category.
- 4 Follow the on-screen instructions to send content to the connected device.
The next steps may vary depending on the selected media category.

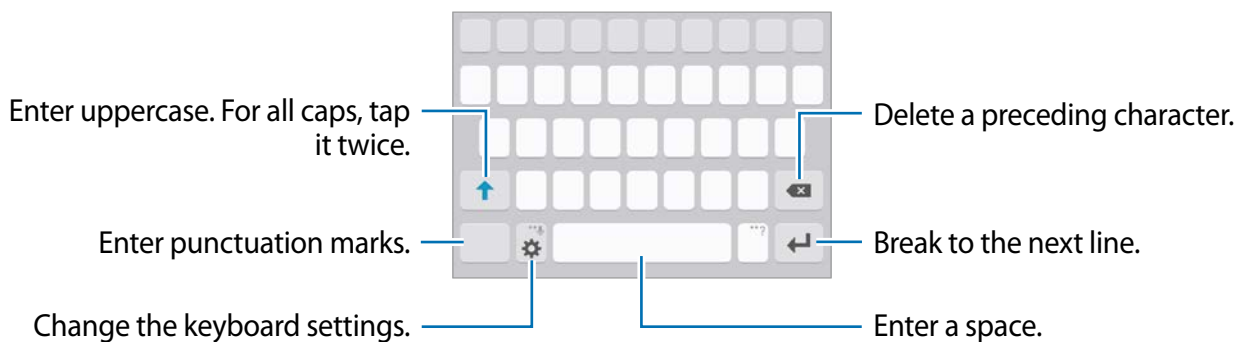
Entering text

Keyboard layout


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



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 input language

Tap  → **Add input languages**, and then select the languages to use. When you select two or more languages, you can switch between the input languages by swiping to the left or right on the space key.



Changing the keyboard layout


Tap , select a language under **Input languages**, and then select a keyboard layout to use.

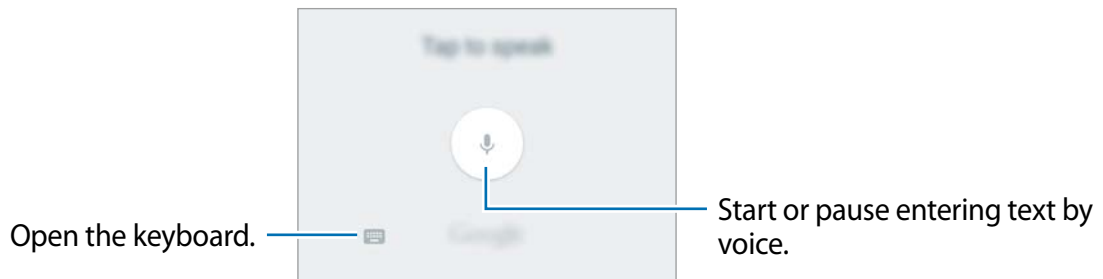




On **3x4 keyboard**, a key has three or four characters. To enter a character, tap the corresponding key repeatedly until the desired character appears.

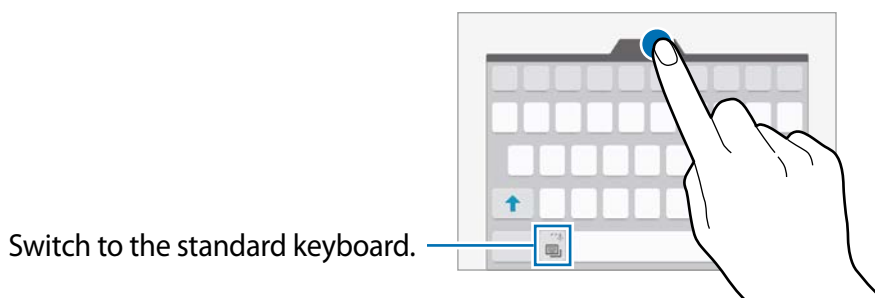
Additional keyboard functions


Tap and hold  to use various functions. Other icons may appear instead of the  icon depending on the last function that was used.

-  : Enter text by voice.





-  : Add an item from the clipboard.
-  : Switch to the floating keyboard. You can move the keyboard to another location by dragging the tab.



-  : Change the keyboard settings.

Copying and pasting

- 1 Tap and hold over text.
- 2 Drag  or  to select the desired text, or tap **Select all** to select all text.
- 3 Tap **Copy** or **Cut**.
The selected text is copied to the clipboard.
- 4 Tap and hold where the text is to be inserted and tap **Paste**.
To paste text that you have previously copied, tap **Clipboard** and select the text.

Screen capture

Capture a screenshot while using the device.

Press and hold the Home key and the Power key simultaneously. You can view captured images in **Gallery**.


You can also capture screenshots by swiping your hand to the left or right across the screen. Refer to [Motions and gestures](#) for more information.




It is not possible to capture a screenshot while using some apps and features.

Opening apps

On the Home screen or the Apps screen, select an app icon to open it.

To open an app from the list of recently used apps, tap  and select a recent app window.

Closing an app

Tap  and drag a recent app window to the left or right to close it. To close all running apps, tap **CLOSE ALL**.

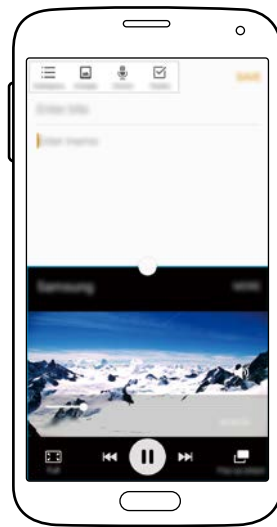
Multi window

Introduction

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





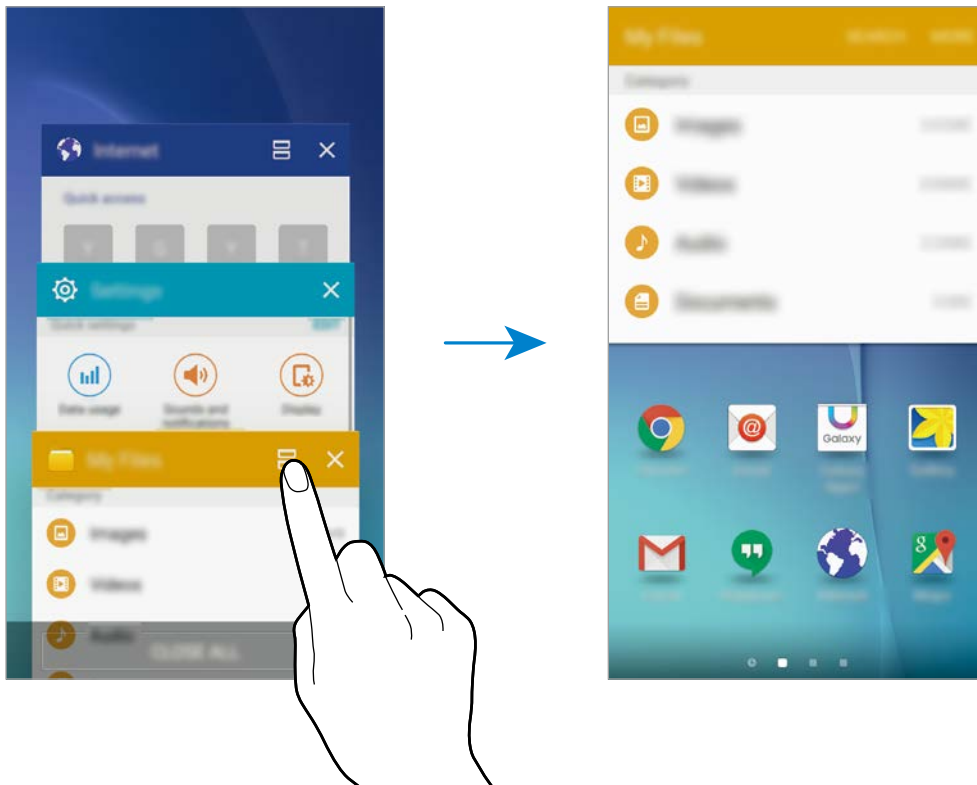
Some apps may not support this feature.



Split screen view


Split screen view

- 1 Tap  to open the list of recently used apps.
- 2 Swipe upwards or downwards and tap  on a recent app window.
The selected app will launch in the upper window.



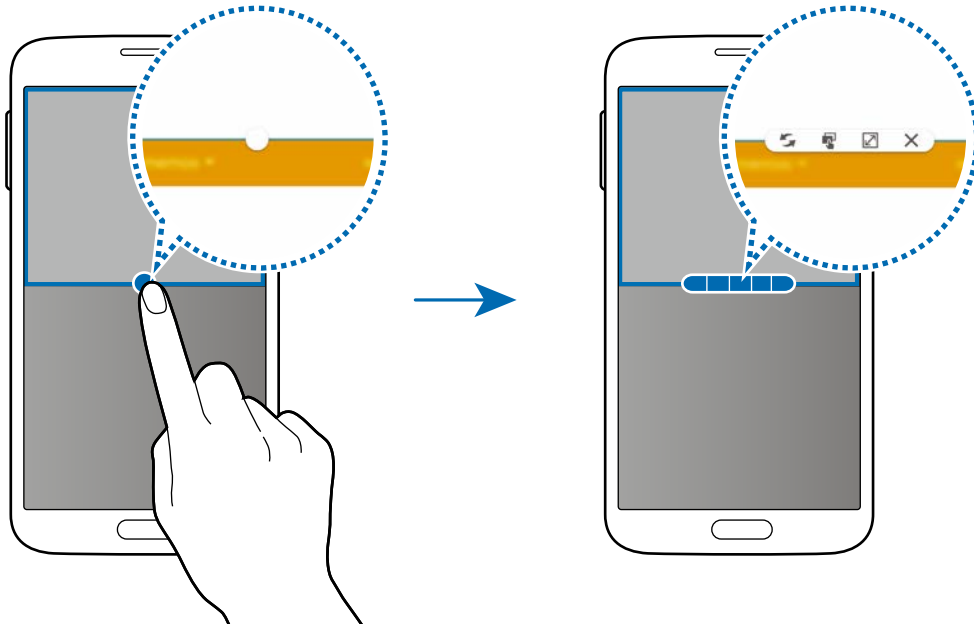
- 3 Select another app to launch.





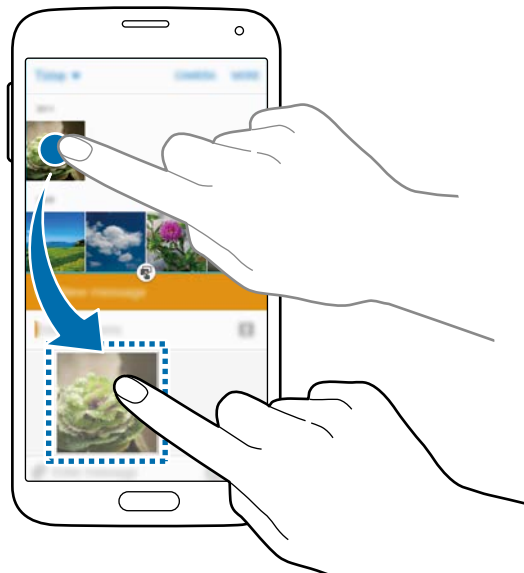
You can also launch the split screen view by tapping and holding .

Using additional options



When using apps in the split screen view, select an app window and tap the circle between the app windows to access the following options:



-  : Switch locations between app windows.
-  : Drag and drop text or copied images from one window to another. Tap and hold an item in the selected window and drag it to a location in another window.

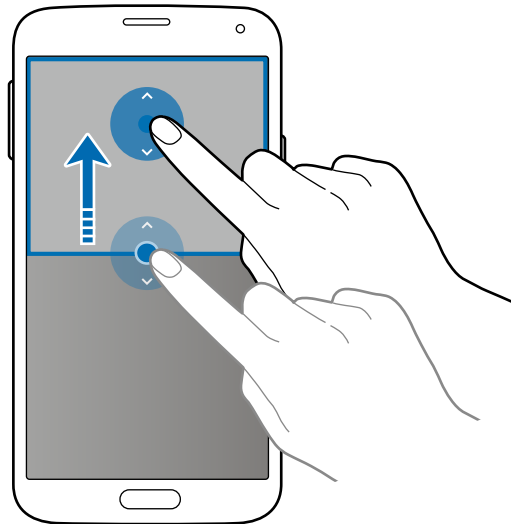


Some apps may not support this feature.

- : Maximize the window.
- : Close the app.

Adjusting the window size

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



Device and data management

Transferring data from your previous device

You can transfer data from a previous device to your new device via Samsung Smart Switch. The following versions of Samsung Smart Switch are available.

- Mobile version: Transfer data between mobile devices. You can download the app from **Galaxy Apps** or **Play Store**.
- Computer version: Transfer data between your device and a computer. You can download the app from www.samsung.com/smartswitch.



- Samsung Smart Switch is not supported on some devices or computers.
- Limitations apply. Visit www.samsung.com/smartswitch for details. Samsung takes copyright seriously. Only transfer content that you own or have the right to transfer.

Transferring data from a mobile device

Transfer data from your previous device to your new device.

Download and install Smart Switch from **Galaxy Apps** or **Play Store**.

Launch **Smart Switch** and follow the on-screen instructions to transfer data from your previous device.

Transferring data from a computer

Back up data from your previous device to a computer and import the data to your new device.

1 On the computer, visit www.samsung.com/smartswitch to download Smart Switch.

2 On the computer, launch Smart Switch.



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

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

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

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

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

Using the device as a removable disk for data transfer

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



Do not disconnect the USB cable from the device when you are transferring files. Doing so may cause data loss or device damage.



The devices may not connect properly if they are connected via a USB hub. Directly connect the device to the computer's USB port.

- 1 Connect the device to the computer using the USB cable.
- 2 Open the notification 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.

Updating the device

The device can be updated to the latest software.

Updating over the air

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


On the Apps screen, tap **Settings** → **About device** → **Software update** → **Update now**.



To automatically check for available updates, tap the **Auto update** switch to activate it. To download updates only when a Wi-Fi connection is activated, tap the **Wi-Fi only** switch to activate it.

Updating with Smart Switch

Connect the device to a computer and update the device to the latest software.

- 1 On the computer, visit www.samsung.com/smartswitch to download and install Smart Switch.
 - 2 On the computer, launch Smart Switch.
 - 3 Connect the device to the computer using a USB cable.
 - 4 If a software update is available, follow the on-screen instructions to update the device.
-  Do not turn off the computer or disconnect the USB cable while the device is updating.
 - While updating the device, do not connect other media devices to the computer. Doing so may interfere with the update process. Before updating, disconnect all other media devices from the computer.

Backing up and restoring data

Keep your personal information, app data, and settings safe on your device. You can back up your sensitive information to a backup account and access it later. You must sign in to your Google or Samsung account to back up or restore data. Refer to [Accounts](#) for more information.

Using a Samsung account

On the Apps screen, tap **Settings** → **Backup and reset** → **Back up my data**, select the items to back up, and then tap **BACK UP NOW**.

To set the device to automatically back up data, tick **Auto back up**.

To restore data using a Samsung account, tap **Restore**. Current data will be deleted from the device to restore the selected items.

Using a Google account

On the Apps screen, tap **Settings** → **Backup and reset**, and then tap the **Back up my data** switch to activate it. Tap **Backup account** and select an account as the backup account.

To restore data using a Google account, tap the **Automatic restore** switch to activate it. When you reinstall apps, backed up settings and data will be restored.

Performing a data reset

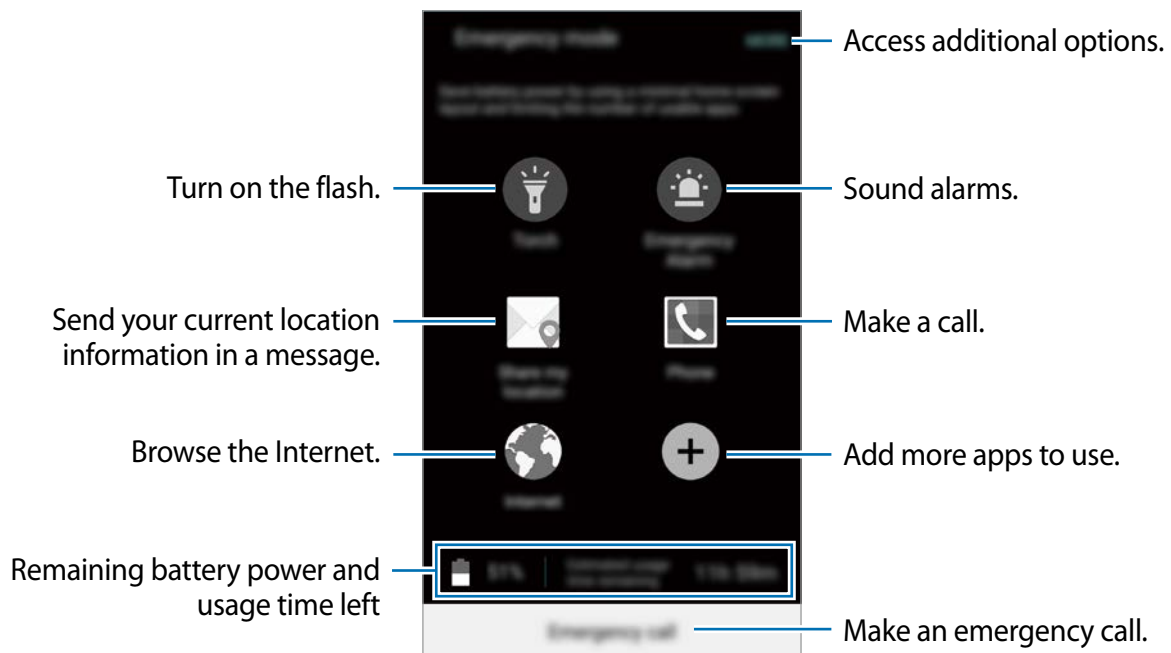
Delete all settings and data on the device. Before performing a factory data reset, ensure you back up all important data stored on the device. Refer to [Backing up and restoring data](#) for more information.

On the Apps screen, tap **Settings** → **Backup and reset** → **Factory data reset** → **RESET DEVICE** → **ERASE EVERYTHING**. The device automatically restarts.

Emergency mode

Emergency mode changes the screen to grey tones to reduce battery consumption. Some apps and functions will be restricted. In emergency mode, you can make an emergency call, send your current location information to others, sound an emergency alarm, and more.

Press and hold the Power key, and then tap **Emergency mode**.



The usage time left shows the time remaining before the battery power runs out. Usage time left may vary depending on your device settings and operating conditions.

Deactivating emergency mode

To deactivate emergency mode, tap **MORE** → **Disable Emergency mode**. Alternatively, press and hold the Power key, and then tap **Emergency mode**.

Applications

Installing or uninstalling apps

Galaxy Apps

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

Tap **Galaxy Apps** on the Apps screen.




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

Installing apps

Browse apps by category or tap **SEARCH** to search for a keyword.

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



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

Play Store

Purchase and download apps.


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

Installing apps

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


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



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

Managing apps

Uninstalling or disabling apps

On the Apps screen, tap **EDIT**. The  icon appears on the apps that you can disable or uninstall. Select an app and tap **DISABLE** or **UNINSTALL**. Alternatively, on the Apps screen, tap **Settings** → **Applications** → **Application manager**, select an app, and then tap **DISABLE** or **UNINSTALL**.

- **DISABLE**: Disable selected default apps that cannot be uninstalled from the device.
- **UNINSTALL**: Uninstall downloaded apps.

Enabling apps

On the Apps screen, tap **Settings** → **Applications** → **Application manager**, scroll to **DISABLED**, select an app, and then tap **ENABLE**.

Phone


Introduction


Make or answer voice calls.

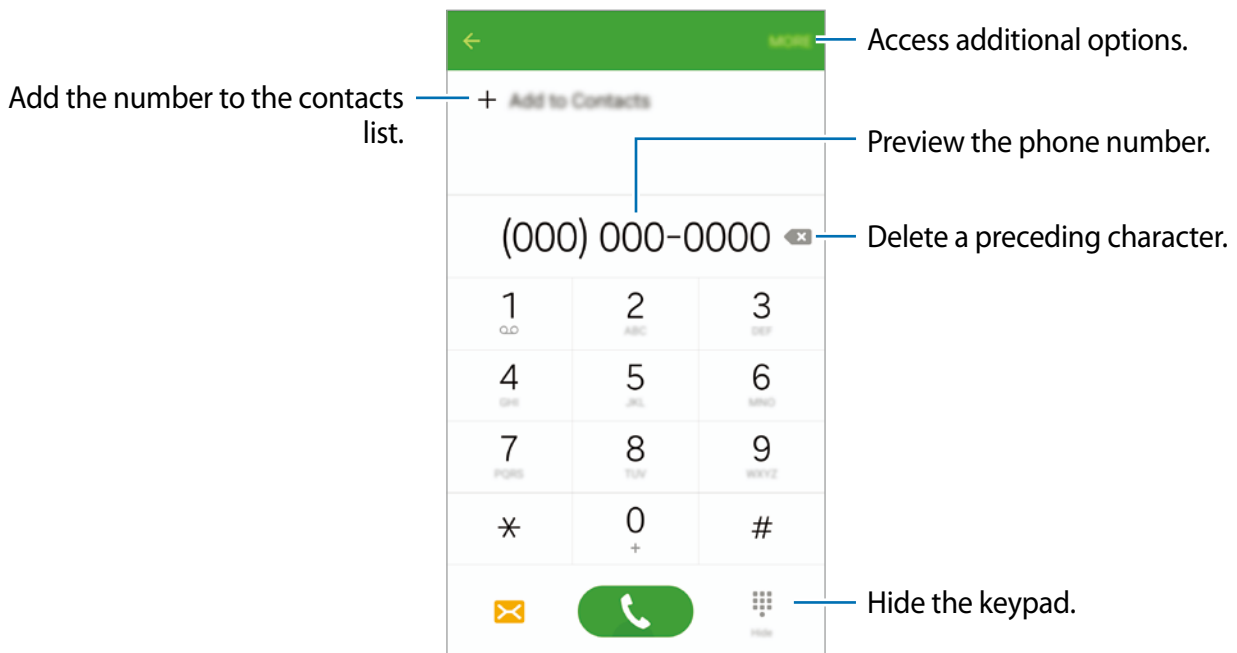
Making calls

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

2 Enter a phone number.

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

3 Tap  to make a voice call.





Making calls from the locked screen

On the locked screen, drag  outside the large circle.

Making calls from call logs or contacts list

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

Making an international call

- 1 Tap  to open the keypad if the keypad does not appear on the screen.
- 2 Tap and hold **0** until the + sign appears.
- 3 Enter the country code, area code, and phone number, and then tap .

Receiving calls

Answering a call

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


Rejecting a call

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

To send a message when rejecting an incoming call, drag the reject message bar upwards.

To create various rejection messages, open the Apps screen and tap **Phone** → **MORE** → **Settings** → **Call rejection** → **Call-reject messages**, enter a message, and then tap **+**.

Missed calls


If a call is missed, the  icon appears on the status bar. Open the notification panel to view the list of missed calls. Alternatively, on the Apps screen, tap **Phone** → **LOG** to view missed calls.

Options during calls

During a voice call

The following actions are available:

- **HOLD:** Hold a call. Tap **RESUME CALL** to retrieve the held call.
- **Add call:** Dial a second call.
- **Extra volume:** Increase the volume.
- **Bluetooth:** Switch to a Bluetooth headset if it is connected to the device.
- **Speaker:** Activate or deactivate the speakerphone. When using the speakerphone, speak into the microphone at the top of the device and keep the device away from your ears.
- **Keypad / Hide:** Open or close the keypad.
- **Mute:** Turn off the microphone so that the other party cannot hear you.
- **Email:** Send an email.
- **Message:** Send a message.

- **Internet:** Browse webpages.
- **Contacts:** Open the contacts list.
- **S Planner:** Open the calendar.
- **Memo:** Create a memo.
- : End the current call.





Contacts


Introduction

Create new contacts or manage contacts on the device.

Adding contacts

Creating contacts manually

- 1 Tap **Contacts** on the Apps screen.
- 2 Tap  and select a storage location.
- 3 Enter contact information.
 - : Add an image.
 -  / : Add or delete a contact field.
- 4 Tap **SAVE**.

To add a phone number to the contacts list from the keypad, open the Apps screen and tap **Phone**. If the keypad does not appear on the screen, tap  to open the keypad. Enter the number and tap **Add to Contacts**.

To add a phone number to the contacts list from received calls or messages, open the Apps screen and tap **Phone** → **LOG** → a contact → **CREATE CONTACT**.

Importing contacts

Import contacts from storage services to your device.

On the Apps screen, tap **Contacts** → **MORE** → **Settings** → **Import/Export contacts** → **IMPORT** and select an import option.





Searching for contacts

On the Apps screen, tap **Contacts**.

Use one of the following search methods:

- Scroll up or down the contacts list.
- Drag a finger along the index at the right side of the contacts list to scroll through it quickly.
- Tap the search field at the top of the contacts list and enter search criteria.

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

- : Add to favourite contacts.
-  / : Make a voice call.
- : Compose a message.
- : Compose an email.

Messages


Introduction

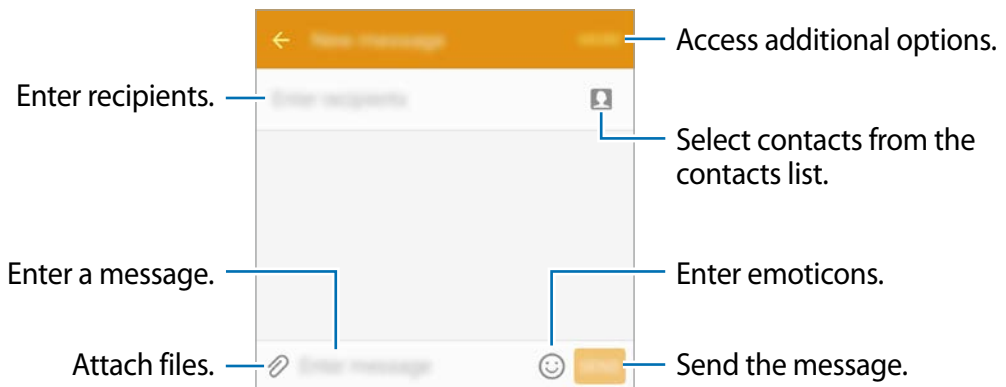
Send and view messages by conversation.

Sending messages



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

- 1 Tap **Messages** on the Apps screen.
- 2 Tap .
- 3 Add recipients and enter a message.



- 4 Tap **SEND** to send the message.

Viewing messages

Messages are grouped into message threads by contact.



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

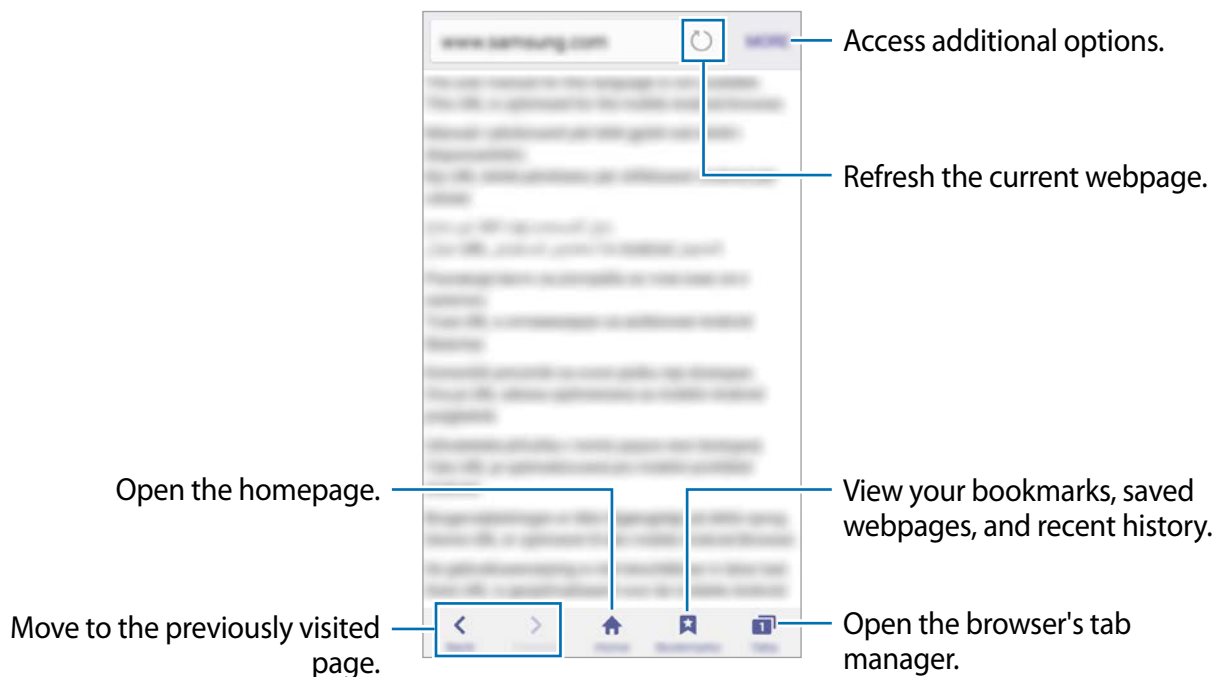
- 1 Tap **Messages** on the Apps screen.
- 2 On the messages list, select a contact.
- 3 View your conversation.

Internet

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

- 1 Tap **Internet** on the Apps screen.
- 2 Tap the address field.
- 3 Enter the web address or a keyword, and then tap **Go**.

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



Email

Setting up email accounts


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

- 1 Tap **Email** on the Apps screen.
- 2 Enter the email address and password, and then tap **NEXT**.
To manually register a company email account, tap **MANUAL SETUP**.
- 3 Follow the on-screen instructions to complete the setup.

To set up another email account, tap **MORE** → **Settings** → **Add account**.

If you have more than one email account, you can set one as the default account. Tap **MORE** → **Settings** → **MORE** → **Set default account**.

Sending emails

- 1 Tap  to compose an email.
- 2 Add recipients and enter an email text.
- 3 Tap **SEND** to send the mail.

Reading emails

On the emails list, tap an email to read.

Camera

Introduction

Take photos and record videos using various modes and settings.

Basic shooting




You can take photos or record videos. View your photos and videos in **Gallery**.

Tap **Camera** on the Apps screen.

Camera etiquette

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

Taking photos or recording videos

- 1 Tap the image on the preview screen where the camera should focus.
- 2 Tap  to take a photo or tap  to record a video.
 - Spread two fingers apart on the screen to zoom in, and pinch to zoom out.
 - To capture an image from the video while recording, tap **Capture**.
 - To change the focus while recording a video, tap where you want to focus. To focus on the centre of the screen, tap .



On the preview screen, swipe to the right to access the list of shooting modes. Or, swipe to the left to view photos and videos you have captured.



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

Launching Camera on the locked screen

To quickly take photos, launch **Camera** on the locked screen.

On the locked screen, drag  outside the large circle.



- This feature may not be available depending on the region or service provider.
- Some camera features are not available when you launch **Camera** from the locked screen while the security features are activated.

Launching Camera quickly

Press the Home key twice quickly to launch **Camera**. **Camera** always launches in auto mode.



- Some camera features are not available when you launch **Camera** from the locked screen or when the screen is turned off while the security features are activated.


Auto mode


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

On the preview screen, tap **MODE** → **Auto**.

Pro mode

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

On the preview screen, tap **MODE** → **Pro**. Select options and customize the settings, and then tap  to take a photo.

- : Change the exposure value. This determines how much light the camera's sensor receives. If the photo is too dark, use a higher exposure.
- **ISO**: Select an ISO value. This controls camera light sensitivity. Low values are for stationary or brightly lit objects. Higher values are for fast-moving or poorly lit objects. However, higher ISO settings can result in noise in photos.
- **WB**: Select an appropriate white balance, so images have a true-to-life colour range.

Panorama

Take a series of photos horizontally or vertically and then stitch them together to create a wide scene.

On the preview screen, tap **MODE** → **Panorama**.





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

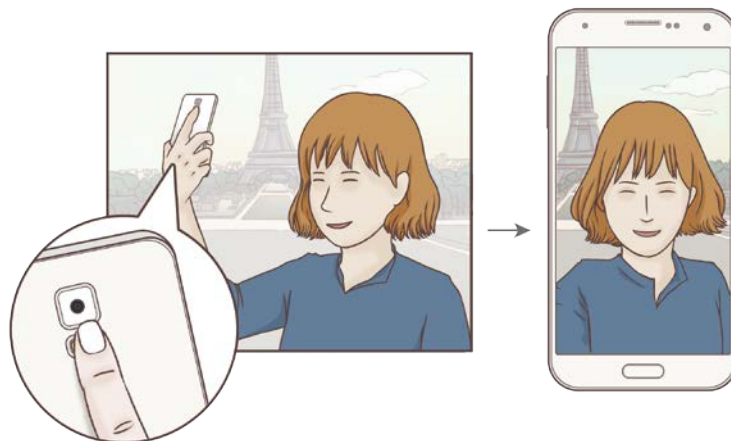
- Move the camera slowly in one direction.
- Keep the image within the frame on the camera's viewfinder.
- Avoid taking photos of indistinct backgrounds, such as an empty sky or a plain wall.

Selfie

Take self-portraits with the front camera.

- 1 On the preview screen, tap  to switch to the front camera for self-portraits.
- 2 Tap **MODE** → **Selfie**.
- 3 Face the front camera lens.
- 4 When the device detects your face, tap the sensor on the back of the device to take a photo of yourself. You can also tap the screen to take a photo.

To take a photo using your palm, tap  and tap the **Gesture control** switch to activate it. Show your palm to the front camera. After recognizing your palm, the device will take a photo after a few seconds.



Wide selfie


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

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

2 Tap **MODE** → **Wide selfie**.

3 Face the front camera lens.

4 When the device detects your face, tap the sensor on the back of the device to take a photo of yourself. You can also tap the screen to take a photo.

To take a photo using your palm, tap  and tap the **Gesture control** switch to activate it. Show your palm to the front camera. After recognizing your palm, the device will take a photo after a few seconds.

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

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



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

Continuous shot

Take a series of photos of moving subjects.

On the preview screen, tap **MODE** → **Continuous shot**.

Tap and hold  to take several photos continuously.

HDR (Rich tone)

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

On the preview screen, tap **MODE** → **HDR (Rich tone)**.



Without effect



With effect

Downloading modes

Download more shooting modes from **Galaxy Apps**.

On the preview screen, tap **MODE** → **Download**.



Some downloaded shooting modes do not have access to every feature. Swiping right to view the modes list and swiping left to view captured images and videos may not be available.





Camera settings

Quick settings

On the preview screen, use the following quick settings.



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

- : Select a filter effect to use when taking photos or recording videos.
- : Select the length of the delay before the camera automatically takes a photo.
- : Activate or deactivate the flash.
- : Change the exposure value. This determines how much light the camera's sensor receives. If the photo is too dark, use a higher exposure..

Camera settings

On the preview screen, tap .



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

- **Picture size (rear) / Picture size (front):** Select a resolution for photos. Using a higher resolution will result in higher quality photos, but they will take up more memory.
- **Video size (rear) / Video size (front):** Select a resolution for videos. Using a higher resolution will result in higher quality videos, but they will take up more memory.
- **Gesture control:** Set the device to detect your palm, so you can use it to take self-portraits.
- **Save pictures as previewed:** Invert the image to create a mirror-image of the original scene, when taking photos with the front camera.
- **Grid lines:** Display viewfinder guides to help composition when selecting subjects.
- **Location tags:** Attach a GPS location tag to the photo.



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

- **Review pictures:** Set the device to show photos after capturing them.
- **Quick launch:** Set the device to launch the camera by pressing the Home key twice quickly.

- **Voice control:** Set the device to take photos or record videos with voice commands. You can say “Smile”, “Cheese”, “Capture”, or “Shoot” to take a photo. To record a video, say “Record video.”
- **Storage location:** Select the memory location for storage.
- **Volume keys function:** Set the device to use the Volume key to control the shutter or zoom function.
- **Reset settings:** Reset the camera settings.

Gallery

Introduction

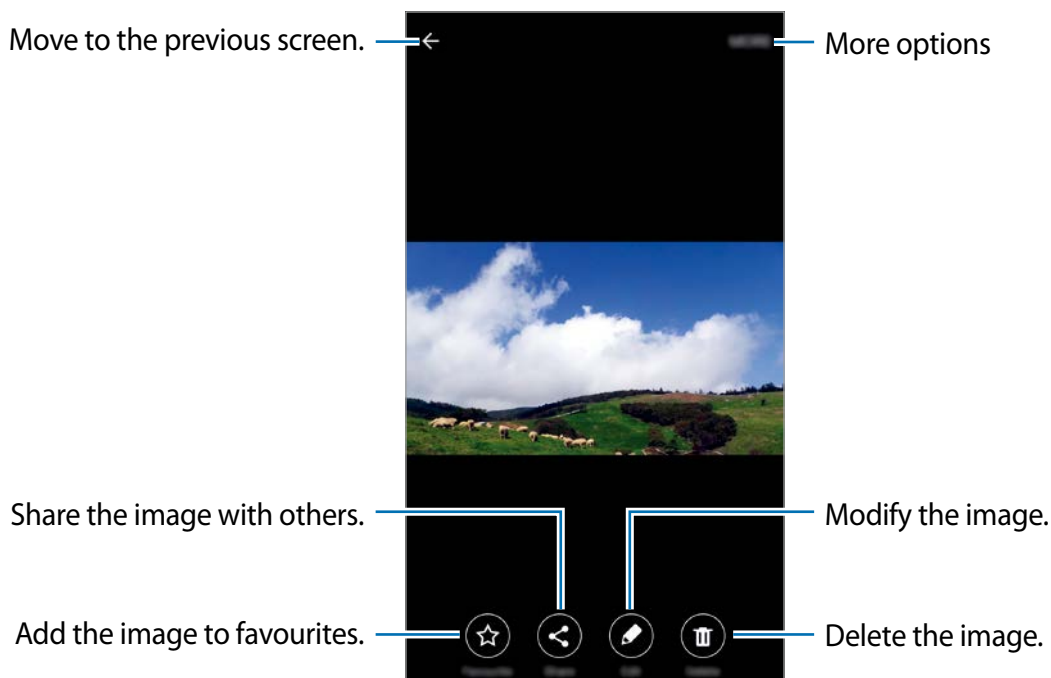
View and manage photos and videos stored in the device.

Viewing images or videos

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

2 Select an image or a video.

Video files show the  icon on the preview thumbnail. To play a video, tap .



To hide or show the menus, tap the screen.

Deleting images or videos

Deleting an image or a video

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

Deleting multiple images and videos

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

Smart Manager

Introduction

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



Using the quick optimization feature

On the Apps screen, tap **Smart Manager** → **CLEAN ALL**.

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

- Identifying apps that use excessive battery power and clearing some memory.
- Deleting unnecessary files and closing apps running in the background.
- Scanning for malware.

Using the Smart manager

On the Apps screen, tap **Smart Manager** and select a feature.

Battery

Check the remaining battery power and time to use the device. For devices with low battery levels, conserve battery power by activating power saving features and closing apps that are consuming an excessive amount of battery power.



The usage time left shows the time remaining before the battery power runs out. Usage time left may vary depending on your device settings and operating conditions.

Storage

Check the status of used and available memory capacity. You can delete unused and residual files or uninstall apps that you do not use any more.

RAM

Check the amount of available RAM. You can close background apps and reduce the amount of RAM you are using to speed up your device.

Device security

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

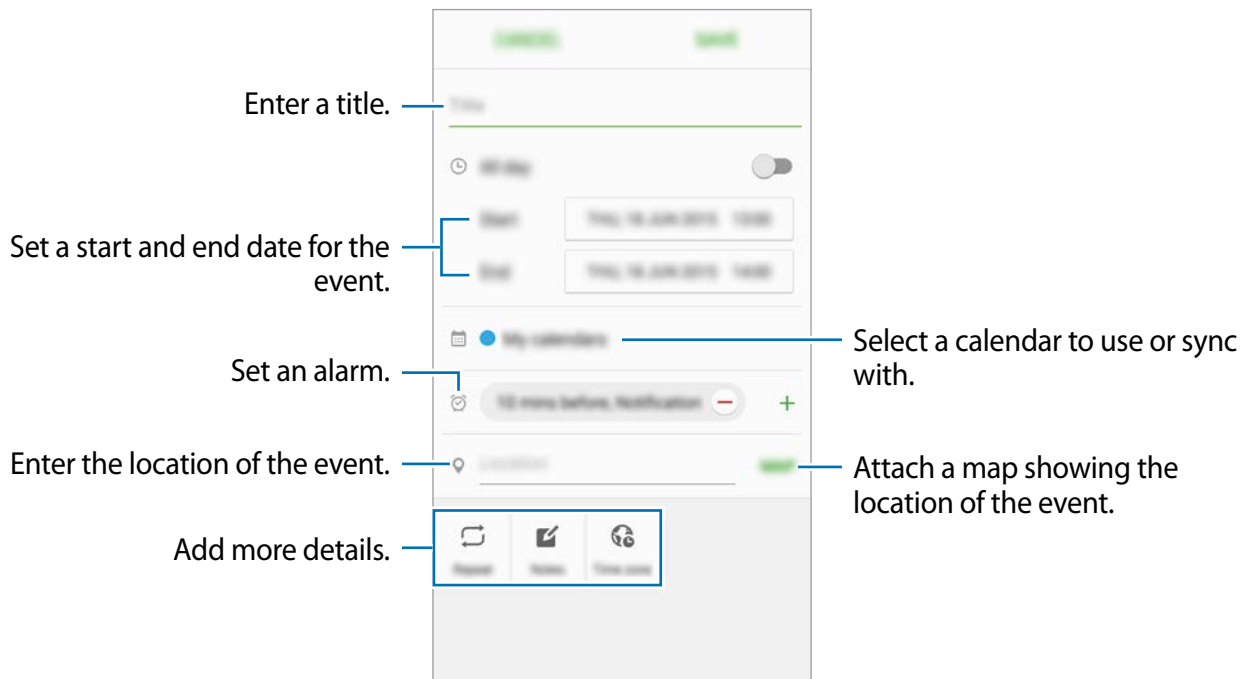
S Planner

Introduction

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


Creating events

- 1 Tap **S Planner** on the Apps screen.
- 2 Tap **+** or double-tap a date.
If the date already has saved events or tasks in it, tap the date and tap **+**.
- 3 Enter event details.



- 4 Tap **SAVE** to save the event.

Creating tasks

- 1 Tap **S Planner** on the Apps screen.
- 2 Tap ▼ → **Tasks**.
- 3 Enter task details and tap **TODAY** or **TOMORROW** to set a due date.
To add more details, tap .
- 4 Tap **SAVE** to save the task.

Syncing events and tasks with your accounts

On the Apps screen, tap **Settings** → **Accounts**, select an account service, and then tap the **Sync Calendar** switch to sync events and tasks with the account.

To add accounts to sync with, open the Apps screen and tap **S Planner** → **MORE** → **Manage calendars** → **Add account**. Then, select an account to sync with and sign in. When an account is added, a green circle is displayed next to the account name.

S Health

Introduction

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

Starting S Health

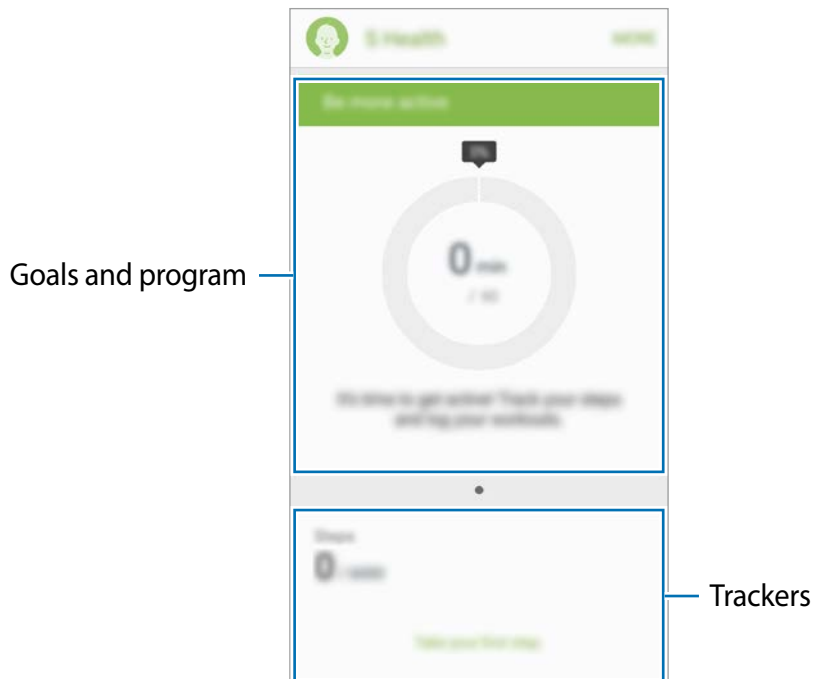
When running this app for the first time or restart it after performing a data reset, follow the on-screen instructions to complete the setup.

- 1 Tap **S Health** on the Apps screen.
- 2 Follow the on-screen instructions to complete the setup.

Using S Health

You can view the key information from S Health menus and trackers to monitor your wellness and fitness.

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



- **TRACKERS:** Monitor your activities, food intake, and body measurements.
- **GOALS:** Set your daily fitness goals and view your progress.
- **PROGRAMMES:** Use customizable exercise programs.

To add trackers, goals, or programs to the S Health screen, tap **MORE** → **Manage items**, and then select items under **TRACKERS**, **GOALS**, or **PROGRAMMES** tab.



To access more information about S Health functions, tap **MORE** → **Settings** → **Help**.

Additional information

- S Health is intended for fitness and wellness purposes only and is not intended for use in the diagnosis of disease or other conditions, or in the cure, mitigation, treatment, or prevention of disease.
- The available functions, features and addable applications for S Health may vary from country to country due to different local laws and regulations. You should check the features and applications available in your specific region before use.
- S Health applications and its service can be changed or discontinued without prior notice.
- The purpose for data collection is limited to providing the service that you have requested, including providing additional information to enhance your wellness, sync data, data analysis and statistics or to develop and provide better services. (But if you sign in to your Samsung account from S Health, your data may be saved on the server for data backup purposes.) Personal information may be stored until the completion of such purposes. You can delete personal data stored by S Health by using the Reset data option in the Settings menu. To delete any data you have shared with social networks or transferred to storage devices, you must delete them separately.
- You may share and/or sync your data with additional Samsung services or compatible third party services that you select, as well as with any of your other connected devices. Access to S Health information by such additional services or third party devices will only be permitted with your express approval.
- You assume full responsibility for the inappropriate use of data shared on social networks or transmitted to others. Use caution when sharing your personal data with others.
- If the device is connected to measuring devices, verify the communication protocol to confirm proper operation. If you use a wireless connection, such as Bluetooth, the device may be affected by electronic interference from other devices. Avoid using the device near other devices that transmit radio waves.
- Please read Terms and Conditions and Privacy Policy of S Health carefully before using it.

S Voice


Introduction


Perform various tasks simply by speaking.

Setting a wake-up command

You can launch **S Voice** using your own wake-up command.

When launching **S Voice** for the first time, tap **START** and set your own wake-up command.

To change the wake-up command, open the Apps screen and tap **S Voice**. Then, tap  → **Voice wake-up** → **Delete wake-up command** to reset the current setting. Tap the switch, tap **Set wake-up command** → **START**, and then follow the on-screen instructions.

To set the device to launch **S Voice** using the wake-up command while the device is locked, tap  and tap the **Wake up in secured lock** switch to activate it.

Using S Voice

1 Say the preset wake-up command.

Alternatively, on the Apps screen, tap **S Voice**.

When **S Voice** is launched, the device begins voice recognition.




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

S Voice settings



View examples of voice commands.

2 Say a voice command.

If the device recognizes the command, the device will perform the corresponding action. To repeat a voice command or say a different command, tap .




This app will close automatically if the device is not used for a specified period.

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 recognize your commands or may perform unwanted commands depending on your surroundings or how you speak.

Setting the language

On the Apps screen, tap **S Voice** →  → **Language**, and then select a language.



The selected language is applied to **S Voice** only, not to the language displayed on the device.

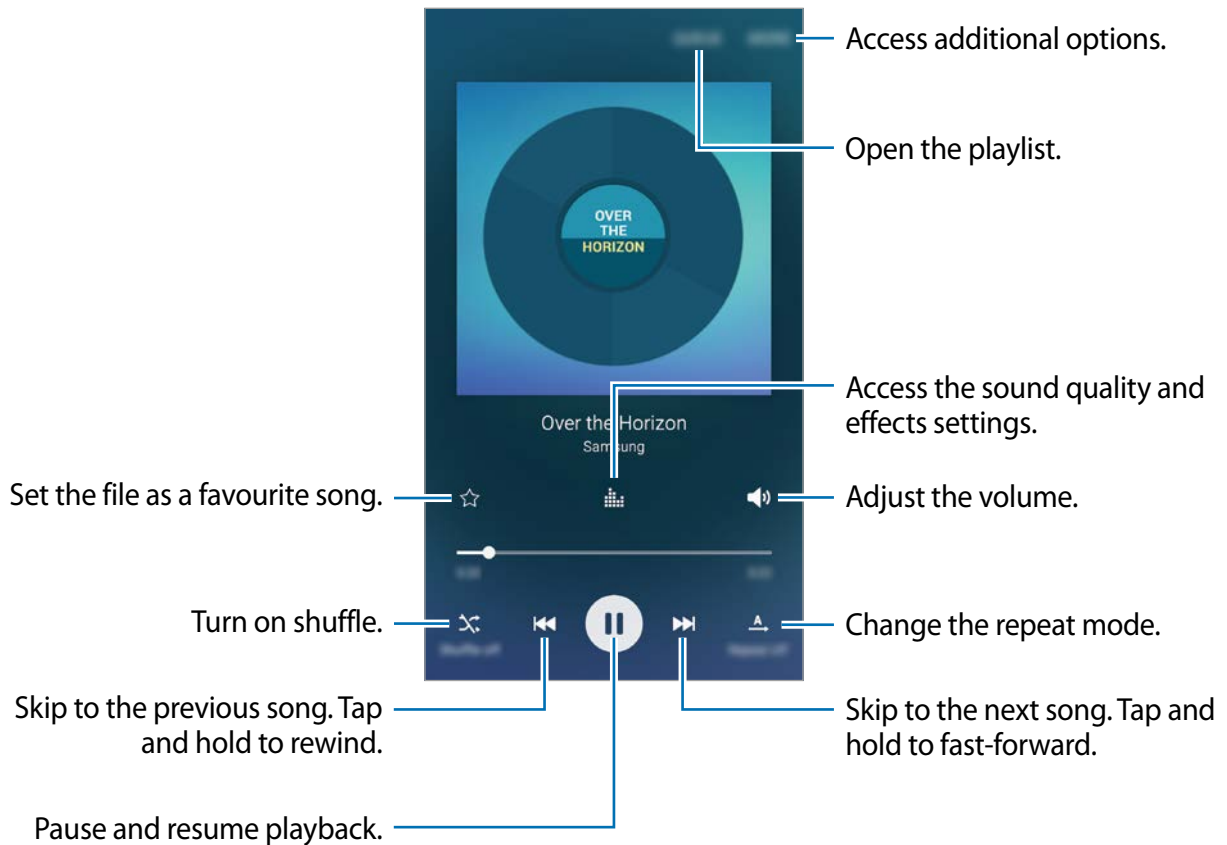
Music

Listen to music sorted by category and customize playback settings.

Tap **Music** on the Apps screen.

Tap ▼, select a category, and then select a song to play.

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

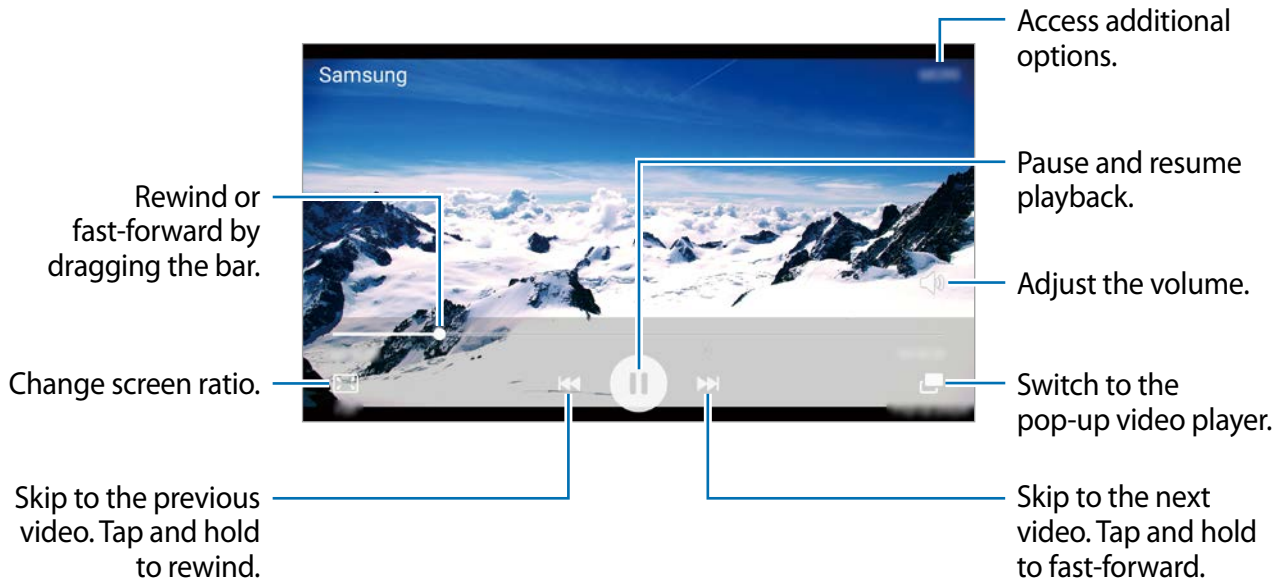


Video

Watch videos stored in the device and customize playback settings.

Tap **Video** on the Apps screen.

Select a video to play.



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


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

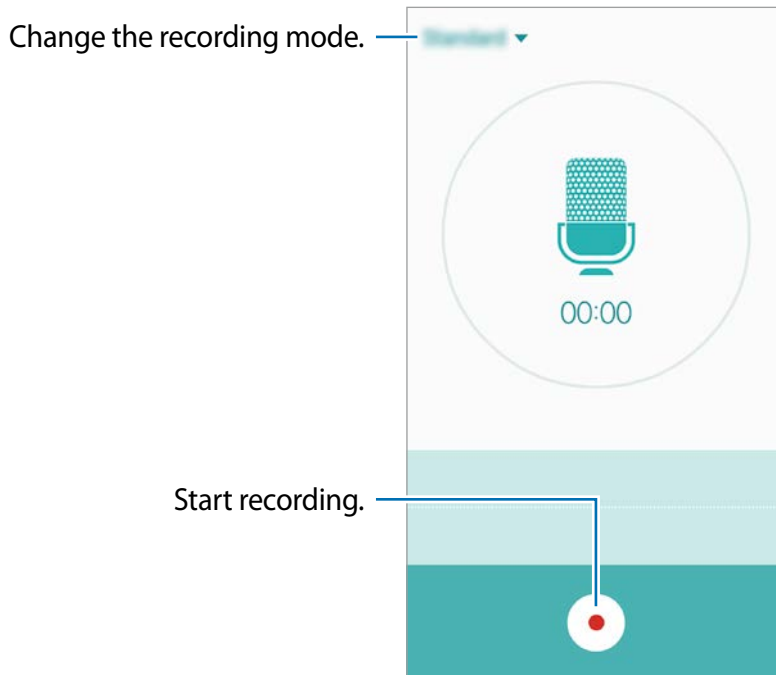
Voice Recorder

Introduction

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


Recording voice memos



- 1 On the Apps screen, tap **Tools** → **Voice Recorder**.
- 2 Tap  to start recording. Speak into the microphone.
Tap **Pause** to pause recording.
While recording a voice memo, tap **Bookmark** to insert a bookmark.



- 3 Tap  to finish recording.

Changing the recording mode

Tap  to select a mode from the list.

- **Standard:** This is the normal recording mode. Voice memos recorded in this mode appear with the  icon next to them.
- **Voice memo:** The device records your voice and simultaneously converts it to on-screen text. For best results, keep the device near your mouth and speak loudly and clearly in a quiet place. Voice memos recorded in this mode appear with the  icon next to them.



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

My Files

Access and manage various files stored in the device or in other locations, such as cloud storage services.

On the Apps screen, tap **Tools** → **My Files**.

- **Category:** View files by category.
- **Local storage:** View files stored in the device.
- **Cloud storage:** View files stored in the cloud storage service.
- **STORAGE USAGE:** View your device's memory information.


To search for files or folders, tap **SEARCH**.

Memo

Create memos and organize them by category.

On the Apps screen, tap **Tools** → **Memo**.

Composing memos

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

- **Category:** Create or set a category.
- **Image:** Insert images.
- **Voice:** Make a voice recording to insert.
- **Tasks:** Add tick boxes at the beginning of each row to create a list of tasks.

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

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

Searching for memos

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

Clock

Introduction

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

Alarm

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

Setting alarms

Set an alarm time and tap **SAVE**.

To open the keypad to enter an alarm time, tap **KEYPAD**.

To set an alarm with alarm options, tap **OPTIONS**, set alarm options, and then tap **SAVE**.

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

Stopping alarms

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

Deleting alarms

Tap ✕ on an alarm in the list of alarms.

World clock

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

Creating clocks

Enter a city name or select a city from the globe, and then tap +.

Deleting clocks

Tap ✕ on a clock.

Stopwatch

- 1 On the Apps screen, tap **Clock** → **Stopwatch**.
- 2 Tap **START** to time an event.
To record lap times while timing an event, tap **LAP**.
- 3 Tap **STOP** to stop timing.
To restart the timing, tap **RESUME**.
To clear lap times, tap **RESET**.


Timer

- 1 On the Apps screen, tap **Clock** → **Timer**.
- 2 Set the duration, and then tap **START**.
To open the keypad to enter the duration, tap **KEYPAD**.
- 3 Tap **DISMISS** when the timer goes off.

Calculator

Perform simple or complex calculations.

Tap **Calculator** on the Apps screen.

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

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

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

Microsoft apps

Use the Android versions of various Microsoft products: Word, Excel, PowerPoint, OneNote, Skype and OneDrive.

Tap **Microsoft Apps** on the Apps screen.



These apps may not be available depending on the region or service provider.

Google apps

Google provides entertainment, social network, and business apps. You may require a Google account to access some apps. Refer to [Accounts](#) for more information.

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



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

Chrome

Search for information and browse webpages.

Gmail

Send or receive emails via the Google Mail service.

Google+

Share your news and follow updates that your family, friends, and others share. You can also back up your photos and videos, and more.

Maps

Find your location on the map, search for locations, and view location information for various places.

Play Music

Discover, listen to, and share music on your device.

Play Movies

Watch videos stored on your device and download various content to watch from **Play Store**.

Play Books

Download various books from **Play Store** and read them.

Play Newsstand

Read news and magazines that interest you in one convenient location.

Play Games

Download games from **Play Store** and play them with others.

Drive

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

YouTube

Watch or create videos and share them with others.

Photos

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

Hangouts

Chat with your friends individually or in groups and use images, emoticons, and video calls while you are chatting.

Google

Search quickly for items on the Internet or your device.

Voice Search

Search quickly for items by saying a keyword or phrase.

Google Settings

Configure settings for some features provided by Google.

Settings

Introduction

Customize settings for functions and apps. You can make your device more personalized by configuring various setting options.

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

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

To edit the list of frequently used settings, tap **EDIT**. Then, tick items to add or deselect items to remove.

Wi-Fi

Connecting to a Wi-Fi network

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



Turn off Wi-Fi to save the battery when not in use.

- 1 On the Settings screen, tap **Wi-Fi**, and then tap the switch to activate it.
- 2 Select a network from the Wi-Fi networks list.
Networks that require a password appear with a lock icon.
- 3 Tap **CONNECT**.



Once the device connects to a Wi-Fi network, the device will reconnect to that network each time it is available without requiring a password. To prevent the device connecting to the network automatically, select it from the list of networks and tap **FORGET**.

Wi-Fi Direct

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

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

2 Tap **Wi-Fi Direct**.

The detected devices are listed.

If the device you want to connect to is not in the list, request that the device turns on its Wi-Fi Direct feature.

3 Select a device to connect to.

The devices will be connected when the other device accepts the Wi-Fi Direct connections request.

Sending and receiving data

You can share data, such as contacts or media files, with other devices. The following actions are an example of sending an image to another device.

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

2 Select an image.

3 Tap **Share** → **Wi-Fi Direct**, select a device to transfer the image to, and then tap **SHARE**.

4 Accept the Wi-Fi Direct connection request on the other device.

If the devices are already connected, the image will be sent to the other device without the connection request procedure.

Ending the device connection

1 Tap **Wi-Fi** on the Settings screen.

2 Tap **Wi-Fi Direct**.

The device displays the connected devices in the list.

3 Tap the device name to disconnect the devices.

Bluetooth

Introduction

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



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

Pairing with other Bluetooth devices

1 On the Settings screen, tap **Bluetooth**, and then tap the switch to activate it.
The detected devices are listed.

2 Select a device to pair with.

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

If the device you want to pair with is not in the list, request that the device turns on its visibility option. Refer to the other device's user manuals.



Your device is visible to other devices while the Bluetooth settings screen is open.

3 Accept the Bluetooth connection request on your device to confirm.


The devices will be connected when the other device accepts the Bluetooth connection request.

Sending and receiving data

Many apps support data transfer via Bluetooth. You can share data, such as contacts or media files, with other Bluetooth devices. The following actions are an example of sending an image to another device.

- 1 Tap **Gallery** on the Apps screen.
- 2 Select an image.
- 3 Tap **Share** → **Bluetooth**, and then select a device to transfer the image to.
If the device you want to pair with is not in the list, request that the device turns on its visibility option.
- 4 Accept the Bluetooth connection request on the other device.

Unpairing Bluetooth devices

- 1 Tap **Bluetooth** on the Settings screen.
The device displays the paired devices in the list.
- 2 Tap  next to the device name to unpair.
- 3 Tap **Unpair**.

Flight mode

This disables all wireless functions on your device. You can use only non-network services. On the Settings screen, tap **Flight mode**.

Mobile hotspot and tethering

Use the device as a mobile hotspot to share the device's mobile data connection with other devices when the network connection is not available. Connections can be made via Wi-Fi or USB.

On the Settings screen, tap **Mobile hotspot and tethering**.




You may incur additional charges when using this feature.

- **Mobile hotspot:** Use the mobile hotspot to share the device's mobile data connection with computers or other devices.
- **USB tethering:** Use USB tethering to share the device's mobile data connection with a computer via USB. When connected to a computer, the device is used as a wireless modem for the computer.

Using the mobile hotspot

Use your device as a mobile hotspot to share your device's mobile data connection with other devices.

- 1 On the Settings screen, tap **Mobile hotspot and tethering** → **Mobile hotspot**.
- 2 Tap the switch to activate it.
The  icon appears on the status bar. Other devices can find your device in the Wi-Fi networks list.
To set a password for the mobile hotspot, tap **MORE** → **Configure Mobile hotspot** and select the level of security. Then, enter a password and tap **SAVE**.
- 3 On the other device's screen, search for and select your device from the Wi-Fi networks list.
- 4 On the connected device, use the device's mobile data connection to access the Internet.

Data usage

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

On the Settings screen, tap **Data usage**.

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

To change the monthly reset date for the monitoring period, tap ▼ → **Change cycle**.

Limiting data usage

- 1 On the Settings screen, tap **Data usage** and tap the **Set mobile data limit** switch to activate it.
- 2 Drag the limit adjustment bar upwards or downwards to set the limit.
- 3 Drag the warning adjustment bar upwards or downwards to set a data usage alert level.
The device will alert you when the warning level is reached.

Mobile networks

Configure your mobile network settings.

On the Settings screen, tap **Mobile networks**.

- **Data roaming:** Set the device to use data connections 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 manually register a network.

NFC and payment

Introduction

Your device allows you to read near field communication (NFC) tags that contain information about products. You can also use this feature to make payments and buy tickets for transportation or events after downloading the required apps.

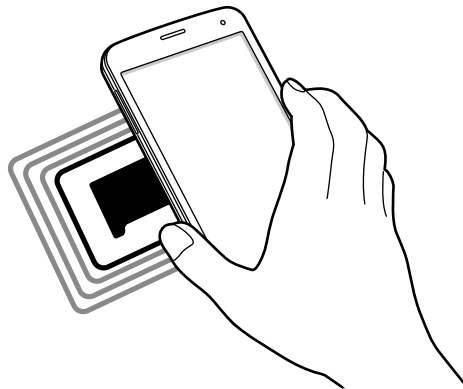


The device contains a built-in NFC antenna. Handle the device carefully to avoid damaging the NFC antenna.

Using the NFC feature

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

- 1 On the Settings screen, tap **NFC and payment**, and then tap the switch to activate it.
- 2 Place the NFC antenna area on the back of your device near an NFC tag.
The information from the tag appears.



Ensure that the device's screen is unlocked. Otherwise, the device will not read NFC tags or receive data.

Making payments with the NFC feature

Before you can use the NFC feature to make payments, you must register for the mobile payment service. To register or get more information about the service, contact your service provider.

- 1 On the Settings screen, tap **NFC and payment**, and then tap the switch to activate it.
- 2 Touch the NFC antenna area on the back of your device to the NFC card reader.

To set the default payment app, open the settings screen and tap **NFC and payment** → **Tap & Pay**, and then select an app.



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

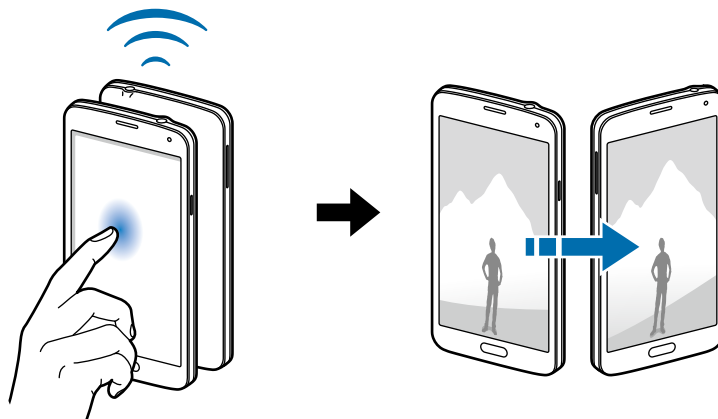
Sending data

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

- 1 On the Settings screen, tap **NFC and payment**, and then tap the switch to activate it.
- 2 Tap **Android Beam** and tap the switch to activate it.
- 3 Select an item and touch the other device's NFC antenna to your device's NFC antenna.
- 4 When **Touch to beam.** appears on the screen, tap your device's screen to send the item.



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



More connection settings

Options

Customize settings to control other features.

On the Settings screen, tap **More connection settings**.

- **Printing:** Configure settings for printer plug-ins installed on the device. You can search for available printers or add one manually to print files. Refer to [Printing](#) for more information.
- **MirrorLink:** Use the MirrorLink feature to control your device's MirrorLink apps on the vehicle's head unit monitor. Refer to [MirrorLink](#) for more information.
- **Download booster:** Set the device to download files larger than 30 MB, faster via Wi-Fi and mobile networks simultaneously. Refer to [Download booster](#) for more information.
- **VPN:** Set up and connect to virtual private networks (VPNs).
- **Default messaging app:** Select the default app to use for messaging.

Printing

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



Some printers may not be compatible with the device.

Adding printer plug-ins

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

1 On the Settings screen, tap **More connection settings** → **Printing**.

2 Select a printer plug-in and tap the switch to activate it.

The device searches for printers that are connected to the same Wi-Fi network as your device.

To add printers manually, tap **MORE** → **Add printer** → **ADD PRINTER**.

To change print settings, tap **MORE** → **Printing settings**.

Printing content

While viewing content, such as images or documents, tap **Share** → **Print** → ▼ → **All printers**, and then select a printer.

MirrorLink

Connect your device to a vehicle to control your device's MirrorLink apps on the vehicle's head unit monitor.

On the Settings screen, tap **More connection settings** → **MirrorLink**.



Your device is compatible with vehicles that support MirrorLink version 1.1 or higher.

Connecting your device to a vehicle via MirrorLink

When using this feature for the first time, connect the device to a Wi-Fi or mobile network.

- 1 Pair your device with a vehicle via Bluetooth.
Refer to [Pairing with other Bluetooth devices](#) for more information.
- 2 Connect your device to the vehicle using a USB cable.
When they are connected, access your device's MirrorLink apps on the head unit monitor.

Ending the MirrorLink connection

Unplug the USB cable from your device and the vehicle.

Download booster

Set the device to download files larger than 30 MB faster by using Wi-Fi and mobile networks simultaneously. A stronger Wi-Fi signal will provide a faster download speed.

On the Settings screen, tap **More connection settings** → **Download booster**.



- This feature may not be supported by some devices.
- You may incur additional charges when downloading files via the mobile network.
- When you download large files, the device may heat up. If the device exceeds a set temperature, the feature will turn off.
- If network signals are unstable, the speed and performance of this feature may be affected.
- If the Wi-Fi and mobile network connections have significantly different data transfer speeds, the device may use only the fastest connection.
- This feature supports Hypertext Transmission Protocol (HTTP) 1.1 and Hypertext Transmission Protocol Secure (HTTPS). The feature cannot be used with other protocols, such as FTP.

Sounds and notifications

Change settings for various sounds on the device.

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

- **Sound mode:** Set the device to use sound mode or silent mode.
- **Volume:** Adjust the volume level for call ringtones, music and videos, system sounds, and notifications.
- **Ringtones and sounds:** Change the ringtone and system sound settings.
- **Vibrations:** Change the vibration settings.
- **Sound quality and effects:** Configure additional sound settings.
- **Do not disturb:** Set the device to mute incoming call and notification sounds, except for allowed exceptions.
- **Notifications on lock screen:** Set whether or not to show the content of notifications on the locked screen.
- **App notifications:** Change the notification settings for each app.
- **LED indicator:** Set the device to turn on the LED indicator while the battery is charging, when you have notifications, or when you record voice memos.

Display

Change the display settings.

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

- **Brightness:** Adjust the brightness of the display.
- **Font:** Change the font size and type.
- **Screen timeout:** Set the length of time the device waits before turning off the display's backlight.
- **Smart stay:** Set the device to prevent the display backlight from turning off while you are looking at the display.
- **Screen mode:** Change the screen mode to adjust the display's colour and contrast.
- **Daydream:** Set the device to launch a screensaver when the device is charging.

Motions and gestures

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

On the Settings screen, tap **Motions and gestures**.



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

- **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.



This feature may not work if the screen is turned on or the device is not on a flat surface.

- **Mute:** Set the device to mute incoming calls or alarms by using palm motions or facing the device's screen downwards.
- **Palm swipe to capture:** Set the device to capture a screenshot when you swipe your hand to the left or right across the screen. You can view the captured images in **Gallery**.



It is not possible to capture a screenshot while using some apps and features.

Applications

Manage the device's apps and change their settings.

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

- **Application manager:** View and manage the apps on your device.
- **Default applications:** Select a default setting for using apps.
- **Application settings:** Customize the settings for each app.

Wallpaper

Change the wallpaper settings for the Home screen and the locked screen.

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

Themes

Apply various themes to the device to change the visual elements of the Home screen, locked screen, and icons.

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

To download more themes, tap **THEME STORE**.

Lock screen and security

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

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



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

- **Screen lock type:** Change the screen lock method.
- **Show information:** Change settings for the items displayed on the locked screen.
- **Unlock effect:** Select an effect that you see when you unlock the screen.
- **Device security:** Check the device's security status and scan the device for malware.
- **Find My Mobile:** Activate or deactivate the Find My Mobile feature. This feature can help you locate your device if it is lost or stolen. You can also access the Find my mobile website (findmymobile.samsung.com) to track and control your lost or stolen device.
- **Unknown sources:** Set the device to allow the installation of apps from unknown sources.
- **Other security settings:** Configure additional security settings.

Privacy and safety

Options

Change the settings for maintaining your privacy and safety.

On the Settings screen, tap **Privacy and safety**.

- **Location:** Change settings for location information permissions.
- **Report diagnostic info:** Set the device to automatically send the device's diagnostic and usage information to Samsung.
- **Send SOS messages:** Set the device to send help messages by pressing the Power key three times. You can also send sound recordings along with the message to the recipients. Refer to [Send SOS messages](#) for more information.

Send SOS messages

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

- 1 On the Settings screen, tap **Privacy and safety** → **Send SOS messages**, and then tap the switch to activate it.
- 2 Follow the on-screen instructions to add primary contacts if you have not already done so.

To send help messages with audio recordings or photos, tap the **Attach audio recording** switch to activate it.

Adding primary contacts

On the Settings screen, tap **Privacy and safety** → **Send SOS messages** → **Send messages to** → **ADD**. Tap **Create contact** and enter contact information or tap **Select from contacts** to add an existing contact as a primary contact.

Easy mode

Easy mode provides an easier user experience by using a simpler layout and bigger icons on the Home screen.

Switching to easy mode

- 1 On the Settings screen, tap **Easy mode** → **Easy mode**.
- 2 Select apps under **Easy applications** to apply a simpler layout.
- 3 Tap **DONE**.

Returning to standard mode

Swipe to the left on the Home screen and tap **Settings** → **Easy mode** → **Standard mode** → **DONE**.

Managing shortcuts

To add a shortcut to an app to the Home screen, swipe to the left, tap **+**, and then select an app.

To add a shortcut to a contact on the Home screen, swipe to the right and tap **+**.

To delete a shortcut from the Home screen, tap **EDIT** and select an app or contact with **-**.

Accessibility

Configure various settings to improve accessibility to the device.

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

- **Vision:** Customize the settings to improve accessibility for visually impaired users.
- **Hearing:** Customize the settings to improve accessibility for users with hearing impairment.
- **Dexterity and interaction:** Customize the settings to improve accessibility for users who have reduced dexterity.
- **Direction lock:** Change the directional combination settings for unlocking the screen.
- **Direct access:** Set the device to open selected accessibility menus when you press the Home key three times quickly.
- **Notification reminder:** Set the device to alert you to notifications that you have not checked at the interval.
- **Answering and ending calls:** Change the method of answering or ending calls.
- **Single tap mode:** Set the device to control incoming calls or notifications by tapping the button instead of dragging it.
- **Manage accessibility:** Export or import the accessibility settings to share them with other devices.
- **Services:** View accessibility services installed on the device.

Accounts

Add your Samsung and Google accounts, or other accounts, to sync with.

Adding accounts

Some apps used on your device require a registered account. Create accounts to have the best experience with your device.

- 1 On the Settings screen, tap **Accounts** → **Add account**.
- 2 Select an account service.
- 3 Follow the on-screen instructions to complete the account setup.

To sync content with your accounts, select an account and select items to sync.

Registering Samsung accounts

You need a Samsung account when using some Samsung apps. You can back up or restore data saved in the device to your Samsung account. Register your Samsung account to the device to conveniently use Samsung services.

- 1 On the Settings screen, tap **Accounts** → **Add account**.
- 2 Tap **Samsung account**.
- 3 Follow the on-screen instructions to complete the account setup.

Once your Samsung account has been registered, you can use apps requiring your Samsung account without the sign in procedure.

Removing accounts

On the Settings screen, tap **Accounts**, select an account name, select the account to remove, and then tap **MORE** → **Remove account**.

Backup and reset

Change the settings for managing settings and data.

On the Settings screen, tap **Backup and reset**.

- **Back up my data:** Back up your personal information and app data to the Samsung server. You can also set the device to automatically back up data.
- **Restore:** Restore previously backed up personal information and app data from your Samsung account.
- **Storage usage:** View storage information for your Samsung account.
- **Backup account:** Set up or edit your Google backup account.
- **Back up my data:** Set the device to back up settings and app data to the Google server.
- **Automatic restore:** Set the device to automatically restore settings and app data from the Google server when apps are reinstalled.
- **Factory data reset:** Reset settings to the factory default values and delete all data.

Language and input

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

On the Settings screen, tap **Language and input**.

- **Language:** Select a display language for all menus and apps.
- **Default keyboard:** Select a default keyboard type for text input.
- **Samsung keyboard:** Change the Samsung keyboard settings.
- **Google voice typing:** Change the voice input settings.
- **Voice input:** Select a default voice input service. You can also change settings for each service.
- **Text-to-speech options:** Change the text-to-speech settings.
- **Pointer speed:** Adjust the pointer speed for the mouse or trackpad connected to your device.

Battery

View battery power information and change power saving options.

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



The usage time left shows the time remaining before the battery power runs out. Usage time left may vary depending on your device settings and operating conditions.

- **BATTERY USAGE:** View the amount of battery power consumed by your device.
- **Power saving mode:** Activate power-saving mode and change the settings for power-saving mode. Refer to [Power saving mode](#) for more information.
- **Ultra power saving mode:** Extend standby time and reduce battery consumption by displaying a simpler layout and allowing limited access to an app. Refer to [Ultra power saving mode](#) for more information.
- **Abnormal battery usage:** View a list of apps that are consuming an excessive amount of battery power.
- **Show power on status bar:** Set the device to display the remaining battery life.

Storage

View memory information for your device.

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



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

Date and time

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

On the Settings screen, tap **Date and time**.



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

About device

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

On the Settings screen, tap **About device**.

Appendix

Troubleshooting

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

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

- **Password:** When the device lock feature is enabled, you must enter the password you set for the device.
- **PIN:** When using the device for the first time or when the PIN requirement is enabled, you must enter the PIN supplied with the SIM 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 more information, contact your service provider.

Your device displays network or service error messages

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

Your device does not turn on

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

The touchscreen responds slowly or improperly

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

Your device freezes or has fatal errors

If your device freezes or hangs, you may need to close apps or turn off the device and turn it on again. If your device is frozen and unresponsive, press and hold the Power key and the Volume key down simultaneously for more than 7 seconds to restart it.

If this does not solve the problem, perform a factory data reset. On the Apps screen, tap **Settings** → **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 in 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 key or move to another area.

A cellular network or the Internet is often disconnected or audio quality is poor

- Ensure that you are not blocking the device's internal antenna.
- When you are in areas with weak signals or poor reception, you may lose reception. You may have connectivity problems due to issues with the service provider's base station. Move to another area and try again.
- When using the device while moving, wireless network services may be disabled due to issues with the service provider's network.

The battery icon is empty

Your battery is low. Charge the battery.

The battery does not charge properly (For Samsung-approved chargers)

- Ensure that the charger is connected properly.
- 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 battery depletes faster than when first purchased

- When you expose the device or the battery to very cold or very hot temperatures, the useful charge may be reduced.
- Battery consumption increases when you use messaging features or some apps, 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 apps that require more power or use apps 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 app. If you receive error messages when launching the camera, try the following:

- Charge the battery.
- Free some memory by transferring files to a computer or deleting files from your device.
- Restart the device. If you are still having trouble with the camera app after trying these tips, contact a Samsung Service Centre.

Photo quality is poorer than the preview

- The quality of your photos may vary, depending on the surroundings and the photography techniques you use.
- If you take photos in dark areas, at night, or indoors, image noise may occur or images may be out of focus.

Error messages appear when opening multimedia files

If you receive error messages or multimedia files do not play when you open them on your device, try the following:

- Free some memory by transferring files to a computer or deleting files from your device.
- Ensure that the music file is not Digital Rights Management (DRM)-protected. If the file is DRM-protected, ensure that you have the appropriate licence or key to play the file.
- Ensure that the file formats are supported by the device. If a file format is not supported, such as DivX or AC3, install an app that supports it. To confirm the file formats that your device supports, visit www.samsung.com.
- 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 authorized 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.

Your device cannot find your current location

GPS signals may be obstructed in some locations, such as indoors. Set the device to use Wi-Fi or a mobile network to find your current location in these situations.

Data stored in the device has been lost

Always make backup copies of all important data stored in the device. Otherwise, you cannot restore data if it is corrupted or lost. Samsung is not responsible for the loss of data stored in the device.

A small gap appears around the outside of the device case

- This gap is a necessary manufacturing feature and some minor rocking or vibration of parts may occur.
- Over time, friction between parts may cause this gap to expand slightly.

Health and Safety

This safety information contains content for mobile devices. Some content may be not applicable to your device. To prevent injury to yourself and others or damage to your device, read the safety information about your device before using the device.



Warning: Failure to comply with safety warnings and regulations can cause serious injury or death.

Do not use damaged power cords or plugs, or loose electrical sockets

- Unsecured connections can cause electric shock or fire.

Do not touch the power cord with wet hands or disconnect the charger by pulling the cord

- Doing so may result in electrocution.

Do not bend or damage the power cord

- Doing so may cause electric shock or fire.

Do not use your device while it is charging or touch your device with wet hands

- Doing so may cause electric shock.

Do not short-circuit the charger or the device

- Doing so may cause electric shock or fire, or the battery may malfunction or explode.

Do not use your device outdoor during a thunderstorm

- Doing so may result in electric shock or device malfunction.

Use manufacturer-approved chargers, accessories, and supplies

- Using generic chargers may shorten the life of your device or cause the device to malfunction. They may also cause a fire or cause the battery to explode.
- Use only Samsung-approved charger specifically designed for your device. Incompatible battery and charger can cause serious injuries or damage to your device.
- Samsung cannot be responsible for the user's safety when using accessories or supplies that are not approved by Samsung.
- Do not drop or cause an impact to the charger or the device

Handle and dispose of the device and charger with care

- Never dispose of the device in a fire. Never place the device on or in heating devices, such as microwave ovens, stoves, or radiators. The device may explode when overheated. Follow all local regulations when disposing of used battery or device.
- Never crush or puncture the device.

- Avoid exposing the device to high external pressure, which can lead to an internal short circuit and overheating.

Protect the device and charger from damage

- Avoid exposing your device to very cold or very hot temperatures.
- Extreme temperatures can damage the device and reduce the charging capacity and life of your device and battery.
- Never use a damaged charger.

Do not store your device near or in heaters, microwaves, hot cooking equipment, or high pressure containers

- The battery may leak.
- Your device may overheat and cause a fire.

Do not use or store your device in areas with high concentrations of dust or airborne materials

- Dust or foreign materials can cause your device to malfunction and may result in fire or electric shock.

Do not bite or suck the device

- Doing so may damage the device or result in an explosion or fire.
- Children or animals can choke on small parts.
- If children use the device, make sure that they use the device properly.

Do not insert the device or supplied accessories into the eyes, ears, or mouth

- Doing so may cause suffocation or serious injuries.

Do not handle the device if the Lithium Ion (Li-Ion) battery is damaged or leaking

- For safe disposal of your Li-Ion battery, contact your nearest authorized service centre.



Caution: Failure to comply with safety cautions and regulations can cause injury or property damage

Do not use your device near other electronic devices

- Most electronic devices use radio frequency signals. Your device may interfere with other electronic devices.
- Using an LTE data connection may cause interference with other devices, such as audio equipment and telephones.

Do not use your device in a hospital, on an aircraft, or in an automotive equipment that can be interfered with by radio frequency

- Avoid using your device within a 15 cm range of a pacemaker, if possible, as your device can interfere with the pacemaker.
- To minimize possible interference with a pacemaker, use your device only on the side of your body that is opposite the pacemaker.
- If you use medical equipment, contact the equipment manufacturer before using your device to determine whether or not the equipment will be affected by radio frequencies emitted by the device.
- On an aircraft, using electronic devices can interfere with the aircraft's electronic navigational instruments. Make sure the device is turned off during takeoff and landing. After takeoff, you can use the device in flight mode if allowed by aircraft personnel.
- Electronic devices in your car may malfunction, due to radio interference from your device. Contact the manufacturer for more information.

Do not expose the device to heavy smoke or fumes

- Doing so may damage the outside of the device or cause it to malfunction.

If you use a hearing aid, contact the manufacturer for information about radio interference

- The radio frequency emitted by your device may interfere with some hearing aids. Before using your device, contact the manufacturer to determine whether or not your hearing aid will be affected by radio frequencies emitted by the device.

Do not use your device near devices or apparatuses that emit radio frequencies, such as sound systems or radio towers

- Radio frequencies may cause your device to malfunction.

Turn off the device in potentially explosive environments

- Turn off your device in potentially explosive environments instead of removing the battery.

- Always comply with regulations, instructions and signs in potentially explosive environments.
- Do not use your device at refueling points (petrol stations), near fuels or chemicals, or in blasting areas.
- Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the device, its parts, or accessories.

If you notice strange smells or sounds coming from your device, or if you see smoke or liquids leaking from the device, stop using the device immediately and take it to a Samsung Service Centre

- Failure to do so may result in fire or explosion.

Comply with all safety warnings and regulations regarding mobile device usage while operating a vehicle

- While driving, safely operating the vehicle is your first responsibility. Never use your mobile device while driving, if it is prohibited by law. For your safety and the safety of others, use your common sense and remember the following tips:
- Get to know your device and its convenience features, such as speed dial and redial. These features help you reduce the time needed to place or receive calls on your mobile device.
- Position your device within easy reach. Make sure you can access your wireless device without taking your eyes off the road.
- Suspend calls in heavy traffic or hazardous weather conditions. Rain, sleet, snow, ice, and heavy traffic can be hazardous.
- Do not take notes or look up phone numbers. Jotting down a “to do” list or flipping through your address book takes attention away from your primary responsibility of driving safely.
- Dial sensibly and assess the traffic. Place calls when you are not moving or before pulling into traffic. Try to plan calls when your car will be stationary.
- Do not engage in stressful or emotional conversations that may be distracting. Make the person you are talking to aware that you are driving and suspend conversations that could potentially divert your attention from the road.

Care for and use your mobile device properly

Keep your device dry

- Humidity and liquids may damage the parts or electronic circuits in your device.
- Do not turn on your device if it is wet. If your device is already on, turn it off immediately (if the device will not turn off or you cannot remove the battery, leave it as-is). Then, dry the device with a towel and take it to a service centre.
- Liquids will change the colour of the label that indicates water damage inside the device. Water damage to your device can void your manufacturer's warranty.

Store your device only on flat surfaces

- If your device falls, it may be damaged.

Do not store your device in very hot or very cold areas. It is recommended to use your device at temperatures from 5 °C to 35 °C

- Do not store your device in very hot areas such as inside a car in the summertime. Doing so may cause the screen to malfunction, result in damage to the device, or cause the battery to explode.
- Do not expose your device to direct sunlight for extended periods of time (on the dashboard of a car, for example).

Do not store your device with metal objects, such as coins, keys, and necklaces

- Your device may be scratched or may malfunction.

Do not store your device near magnetic fields

- Your device may malfunction or the battery may discharge from exposure to magnetic fields.
- Magnetic stripe cards, including credit cards, phone cards, passbooks, and boarding passes, may be damaged by magnetic fields.

Do not use your device or applications for a while if the device is overheated

- Prolonged exposure of your skin to an overheated device may cause low temperature burn symptoms, such as red spots and pigmentation.

Use caution when exposed to flashing lights

- While using your device, leave some lights on in the room and do not hold the screen too close to your eyes.
- Seizures or blackouts can occur when you are exposed to flashing lights while watching videos or playing Flash-based games for extended periods. If you feel any discomfort, stop using the device immediately.
- If anyone related to you has experienced seizures or blackouts while using a similar

device, consult a physician before using the device.

- If you feel discomfort, such as a muscle spasm, or disoriented, stop using the device immediately and consult a physician.
- To prevent eye strain, take frequent breaks while using the device.

Reduce the risk of repetitive motion injuries

When you repetitively perform actions, such as pressing keys, drawing characters on a touch screen with your fingers, or playing games, you may experience occasional discomfort in your hands, neck, shoulders, or other parts of your body. When using your device for extended periods, hold the device with a relaxed grip, press the keys lightly, and take frequent breaks. If you continue to have discomfort during or after such use, stop using the device and consult a physician.

Protect your hearing and ears when using a headset

- Excessive exposure to loud sounds can cause hearing damage.
- Exposure to loud sounds while walking may distract your attention and cause an accident.
- Always turn the volume down before plugging the earphones into an audio source and use only the minimum volume setting necessary to hear your conversation or music.
- In dry environments, static electricity can build up in the headset. Avoid using headsets in dry environments or touch a metal object to discharge static electricity before connecting a headset to the device.
- Do not use a headset while driving or riding. Doing so may distract your attention and cause an accident, or may be illegal depending on your region.

Use caution when using the device while walking or moving

- Always be aware of your surroundings to avoid injury to yourself or others.
- Make sure the headset cable does not become entangled in your arms or on nearby objects.

Do not carry your device in your back pockets or around your waist

- You could be injured or damage the device if you fall.

Do not paint or put stickers on your device

- Paint and stickers can clog moving parts and prevent proper operation.
- If you are allergic to paint or metal parts of the device, you may experience itching, eczema, or swelling of the skin. When this happens, stop using the device and consult your physician.

Do not use the device if the screen is cracked or broken

- Broken glass or acrylic could cause injury to your hands and face. Take the device to a Samsung Service Centre to have it repaired.

Install mobile devices and equipment with caution

- Ensure that any mobile devices or related equipment installed in your vehicle are securely mounted.
- Avoid placing your device and accessories near or in an airbag deployment area. Improperly installed wireless equipment can cause serious injury when airbags inflate rapidly.

Do not drop your device or cause impacts to your device

- Your device may be damaged or may malfunction.
- If bent or deformed, your device may be damaged or parts may malfunction.

Ensure maximum battery and charger life

- Avoid charging your device for more than a week, as overcharging may shorten battery life.
- Over time, unused device will discharge and must be recharged before use.
- Disconnect the charger from power sources when not in use.
- Leaving batteries unused over time may reduce their lifespan and performance. It may also cause the batteries to malfunction or explode, or cause a fire.
- Follow all instructions in this manual to ensure the longest lifespan of your device and battery. Damages or poor performance caused by failure to follow warnings and instructions can void your manufacturer's warranty.
- Your device may wear out over time. Some parts and repairs are covered by the warranty within the validity period, but damages or deterioration caused by using unapproved accessories are not.

When using the device, mind the following

- Hold the device upright, as you would with a traditional phone.
- Speak directly into the microphone.
- Do not cover the antenna area with your hands or other objects. This may cause connectivity problems or drain the battery.

Do not disassemble, modify, or repair your device

- Any changes or modifications to your device can void your manufacturer's warranty. If your device needs servicing, take your device to a Samsung Service Centre.

When cleaning your device, mind the following

- Wipe your device or charger with a towel or an eraser.
- Do not use chemicals or detergents. Doing so may discolour or corrode the outside the device or may result in electric shock or fire.

Do not use the device for anything other than its intended use

- Your device may malfunction.

Avoid disturbing others when using the device in public

Allow only qualified personnel to service your device

- Allowing unqualified personnel to service your device may result in damage to your device and will void your manufacturer's warranty.

Handle SIM cards and cables with care

- When inserting a card or connecting a cable to your device, make sure that the card is inserted or the cable is connected to the proper side.
- Do not remove a card while the device is transferring or accessing information, as this could result in loss of data and/or damage to the card or device.
- Protect cards from strong shocks, static electricity, and electrical noise from other devices.
- Do not touch gold-coloured contacts or terminals with your fingers or metal objects. If dirty, wipe the card with a soft cloth.
- Inserting a card or connecting a cable by force or improperly may result in damage to the multipurpose jack or other parts of the device.

Ensure access to emergency services

- Emergency calls from your device may not be possible in some areas or circumstances. Before traveling in remote or undeveloped areas, plan an alternative method of contacting emergency services personnel.

Protect your personal data and prevent leakage or misuse of sensitive information

- While using your device, be sure to back up important data. Samsung is not responsible for the loss of any data.
- When disposing of your device, back up all data and then reset your device to prevent misuse of your personal information.
- Carefully read the permissions screen when downloading applications. Be particularly cautious with applications that have access to many functions or to a significant amount of your personal information.
- Check your accounts regularly for unapproved or suspicious use. If you find any sign of misuse of your personal information, contact your service provider to delete or change your account information.
- In the event your device is lost or stolen, change the passwords on your accounts to protect your personal information.
- Avoid using applications from unknown sources and lock your device with a pattern, password, or PIN.

Do not distribute copyright-protected material

- Do not distribute copyright-protected material without the permission of the content owners. Doing this may violate copyright laws. The manufacturer is not liable for any legal issues caused by the user's illegal use of copyrighted material.

Malware and viruses

To protect your device from malware and viruses, follow these usage tips. Failure to do so may result in damages or loss of data that may not be covered by the warranty service

- Do not download unknown applications.
- Do not visit untrusted websites.
- Delete suspicious messages or email from unknown senders.
- Set a password and change it regularly.
- Deactivate wireless features, such as Bluetooth, when not in use.
- If the device behaves abnormally, run an antivirus program to check for infection.
- Run an antivirus program on your device before you launch newly-downloaded applications and files.
- Install antivirus programs on your computer and run them regularly to check for infection.
- Do not edit registry settings or modify the device's operating system.

Correct disposal of this product

This product and its electronic accessories (e.g., charger, headset, USB cable) should not be disposed of with other household waste.

To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources. If you intend to discard the product, the waste collection site will take the appropriate measures for the recycling and treatment of the product, including the battery.

This device is compliant with RoHS.

Correct disposal of batteries in this product

This device contains a Lilon battery. For safe disposal options, contact your nearest service centre. For information on battery replacement, please contact your service provider. Do not disassemble, crush, or puncture the device. Do not dispose of it in a fire.



- Be sure to dispose of your device properly. In some areas, the disposal of batteries in household or business trash may be prohibited.
- For safety, do not handle the device if the Lilon battery is damaged or leaking.

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Acknowledging Special Precautions and Industry Canada Notice

Cautions

Any changes or modifications to your device not expressly approved in this document could void your warranty for this equipment, and void your authority to operate this equipment. Only use approved batteries, antennas, and chargers. The use of any unauthorized accessories may be dangerous and void the phone warranty if they cause damage or a defect to the device.

Although your device is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending, or sitting on it.

Information to User

This equipment has been tested and found to comply with the limits of a Class B digital device. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation; if this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient/relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.



Warning: At very high volumes, prolonged listening to a headset can damage your hearing.

Specific Absorption Rates (SAR) for Wireless Devices

The SAR is a value that corresponds to the relative amount of RF energy absorbed by the user of a wireless device.

The SAR value of a device is the result of an extensive testing, measuring and calculation process. It does not represent how much RF the device emits. All devices are tested at their highest value in strict laboratory settings. But when in operation, the SAR of a device can be substantially less than the level reported to Industry Canada. This is because of a variety of factors including its proximity to a base station antenna, design and other factors. What is important to remember is that each device meets strict federal guidelines. Variations in SARs do not represent a variation in safety.

All devices must meet the federal standard, which incorporates a substantial margin of safety. As stated above, variations in SAR values between different model devices do not mean variations in safety. SAR values at or below the federal standard of 1.6 W/kg are considered safe for use by the public.

This device has been tested and meets RF exposure guidelines when used with an accessory that contains no metal and that positions the mobile device 1.5 cm from the body.

Owner's Record

The model number, regulatory number, and serial number are located on a nameplate inside the battery compartment. Record the serial number in the space provided below. This will be helpful if you need to contact us about your phone in the future.

Model: SM-G903W

Serial No.:

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IC Notice

This Class B digital apparatus complies with Canadian ICES-003.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.