



SM-G530W

# User Manual

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# 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 license agreement and will void your warranty.

## Instructional icons



**Warning:** situations that could cause injury to yourself or others



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



**Note:** notes, usage tips, or additional information

# Getting started

## Package contents

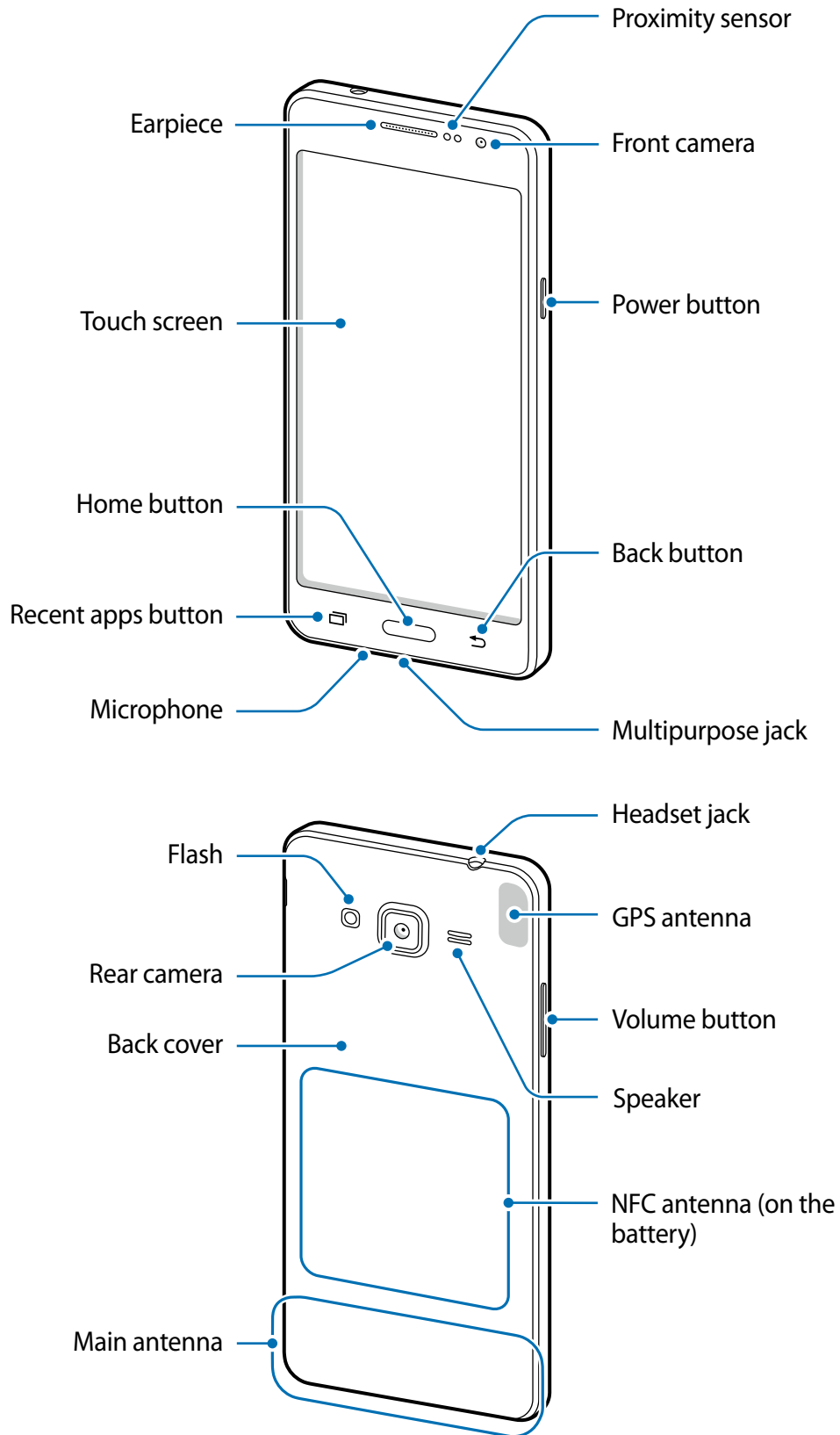
Check the product box for the following items:

- 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.
- Use only Samsung-approved accessories. Using unapproved accessories may cause 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.



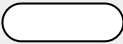


## Device layout





- 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.
- Do not allow water to contact the touch screen. The touch screen may malfunction in humid conditions or when exposed to water.

## Buttons

Button	Function
 <b>Power</b>	<ul style="list-style-type: none"> <li>• Press and hold to turn the device on or off.</li> <li>• Press to turn on or lock the screen.</li> </ul>
 <b>Recent apps</b>	<ul style="list-style-type: none"> <li>• Tap to open the list of recent apps.</li> <li>• Tap and hold to access additional options for the current screen.</li> </ul>
 <b>Home</b>	<ul style="list-style-type: none"> <li>• Press to turn on the screen while the screen is locked.</li> <li>• Press to return to the Home screen.</li> <li>• Press and hold to launch <b>Google</b>.</li> </ul>
 <b>Back</b>	<ul style="list-style-type: none"> <li>• Tap to return to the previous screen.</li> </ul>
 <b>Volume</b>	<ul style="list-style-type: none"> <li>• Press to adjust the device volume.</li> </ul>



## Using the SIM or USIM card and battery

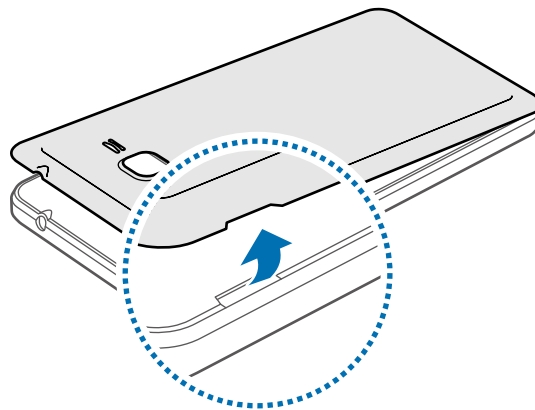
### Installing the SIM or USIM card and battery

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



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

1 Remove the back cover.

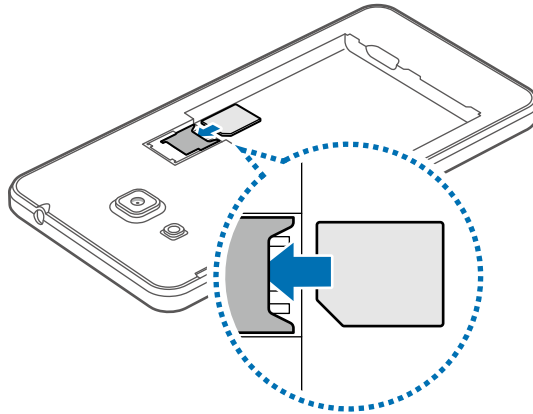


Be careful not to damage your fingernails when you remove the back cover.



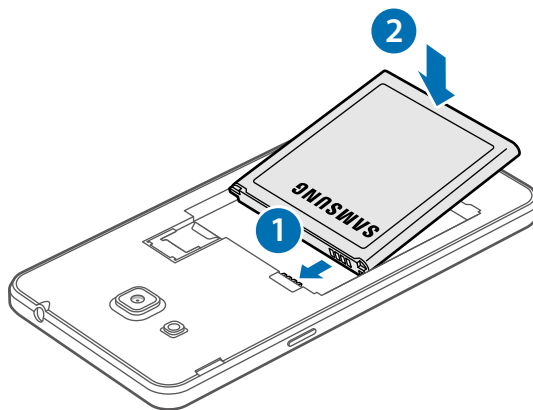
Do not bend or twist the back cover excessively. Doing so may damage the cover.

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

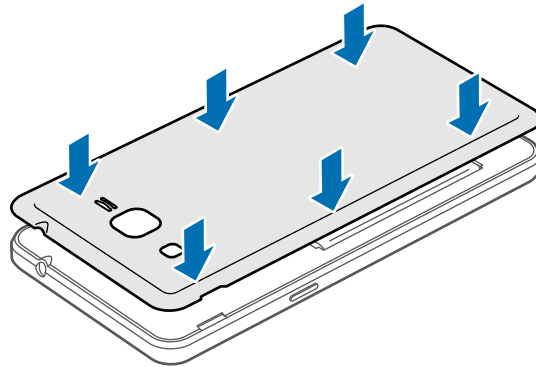


- Do not insert a memory card into the SIM card slot. If a memory card happens to be lodged in the SIM card slot, take the device to a Samsung Service Centre to remove the memory card.
- Use caution not to lose or let others use the SIM or USIM card. Samsung is not responsible for any damages or inconveniences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

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



#### 4 Replace the back cover.

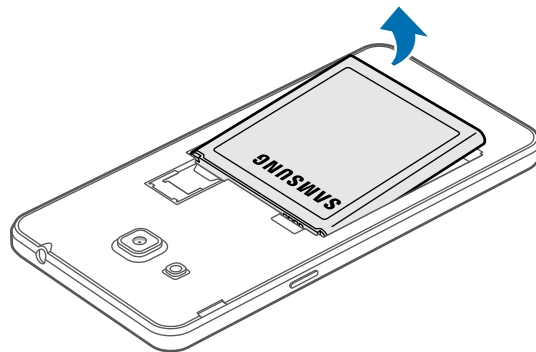


- Ensure that the back cover is closed tightly.
- Use only Samsung-approved back covers and accessories with the device.

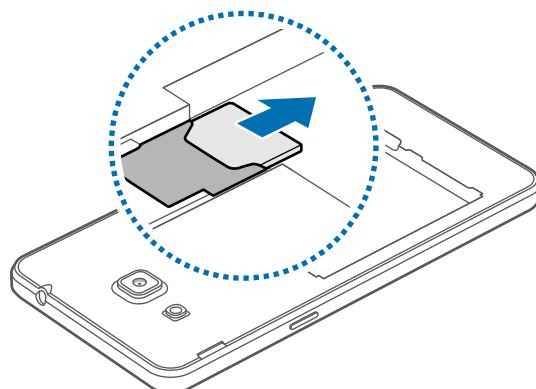
## Removing the SIM or USIM card and battery

#### 1 Remove the back cover.

#### 2 Pull out the battery.



#### 3 Pull out the SIM or USIM card.



## Charging the battery

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

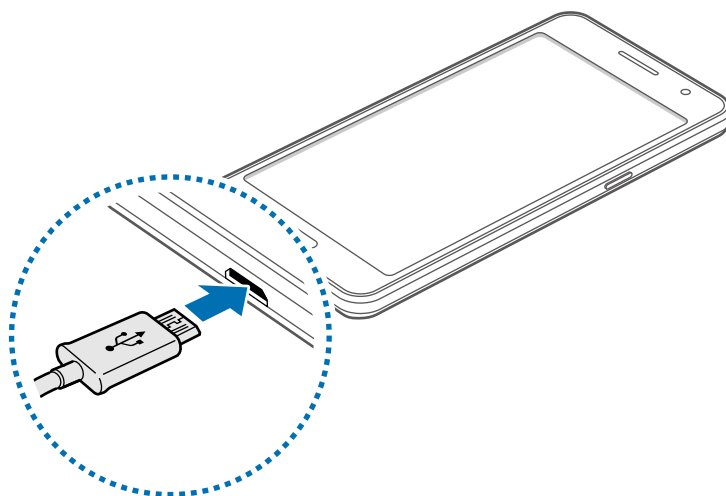


Use only Samsung-approved chargers, batteries, and cables. Unapproved chargers or cables can cause the battery to explode or damage the device.



- When the battery power is low, the 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.

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.



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

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



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



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

## Reducing the battery consumption

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

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

## Using a memory card

### Installing a memory card

Your device accepts memory cards with maximum capacity of 64 GB. Depending on the memory card manufacturer and type, some memory cards may not be compatible with your device.

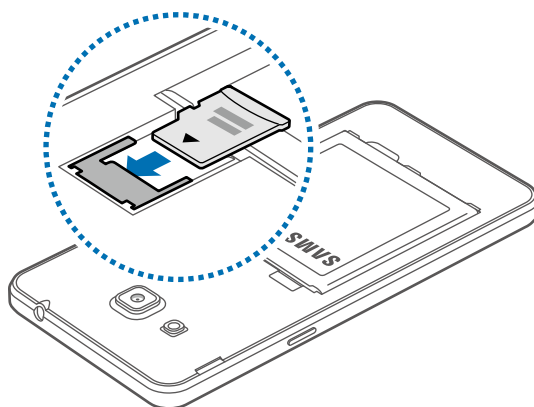


- Some memory cards may not be fully compatible with the device. Using an incompatible card may damage the device or the memory card, or corrupt the data stored in it.
- Use caution to insert the memory card right-side up.



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

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



- 3 Replace the back cover.

## Removing the memory card

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

- 1 Remove the back cover.
- 2 Pull out the memory card.
- 3 Replace the back cover.



Do not remove the memory card while the device is transferring or accessing information. Doing so can cause data to be lost or corrupted or can damage 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 device. 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 button 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 button, and then tap **Power off**.

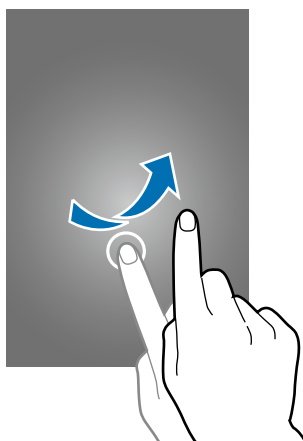


Follow all posted warnings and directions from authorized personnel in areas where the use of wireless devices is restricted, such as airplanes and hospitals.

## Locking and unlocking the screen

Pressing the Power button 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 button or the Home button and flick your finger in any direction within the unlock screen area.



You can change the unlock code to unlock the screen. Refer to [Changing the screen lock method](#) for more information.



# Basics

## Using the touch screen



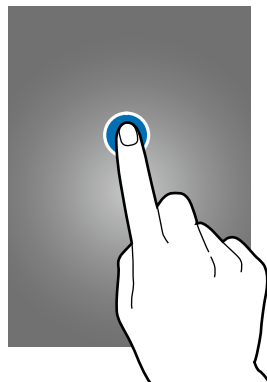
- Do not allow the touch screen to come into contact with other electrical devices. Electrostatic discharges can cause the touch screen to malfunction.
- To avoid damaging the touch screen, do not tap it with anything sharp or apply excessive pressure to it with your fingertips.



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

## 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 a finger.



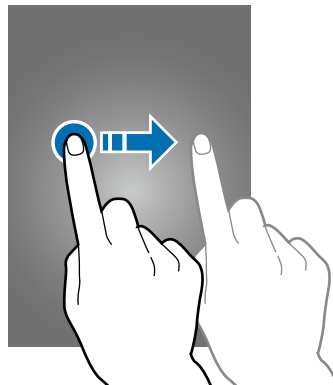
## Tapping and holding

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



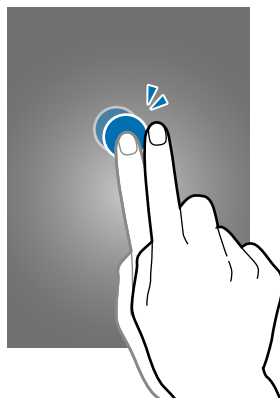
## Dragging

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



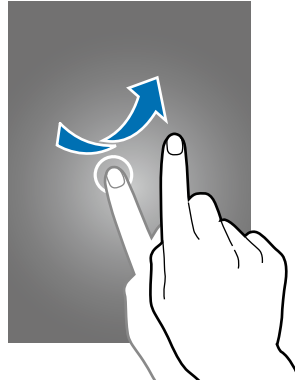
## Double-tapping

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



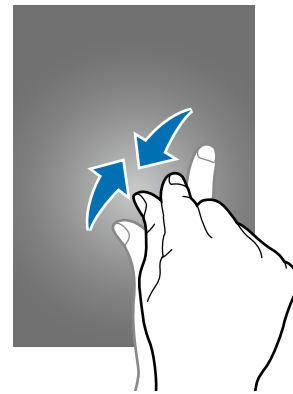
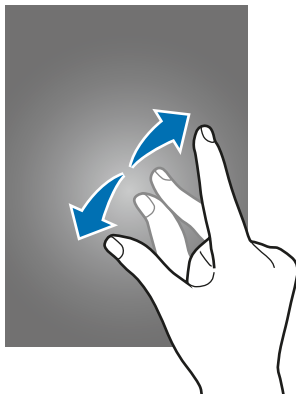
## Flicking

Flick left or right on the Home screen or the Apps screen to see another panel. Flick up or down 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 layout

## 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. Widgets are small apps that launch specific app functions to provide information and convenient access on your Home screen.

To view other panels, scroll left or right, or tap one of the screen indicators at the bottom of the screen. To customize the Home screen, refer to [Managing the Home screen](#).



## Home screen options

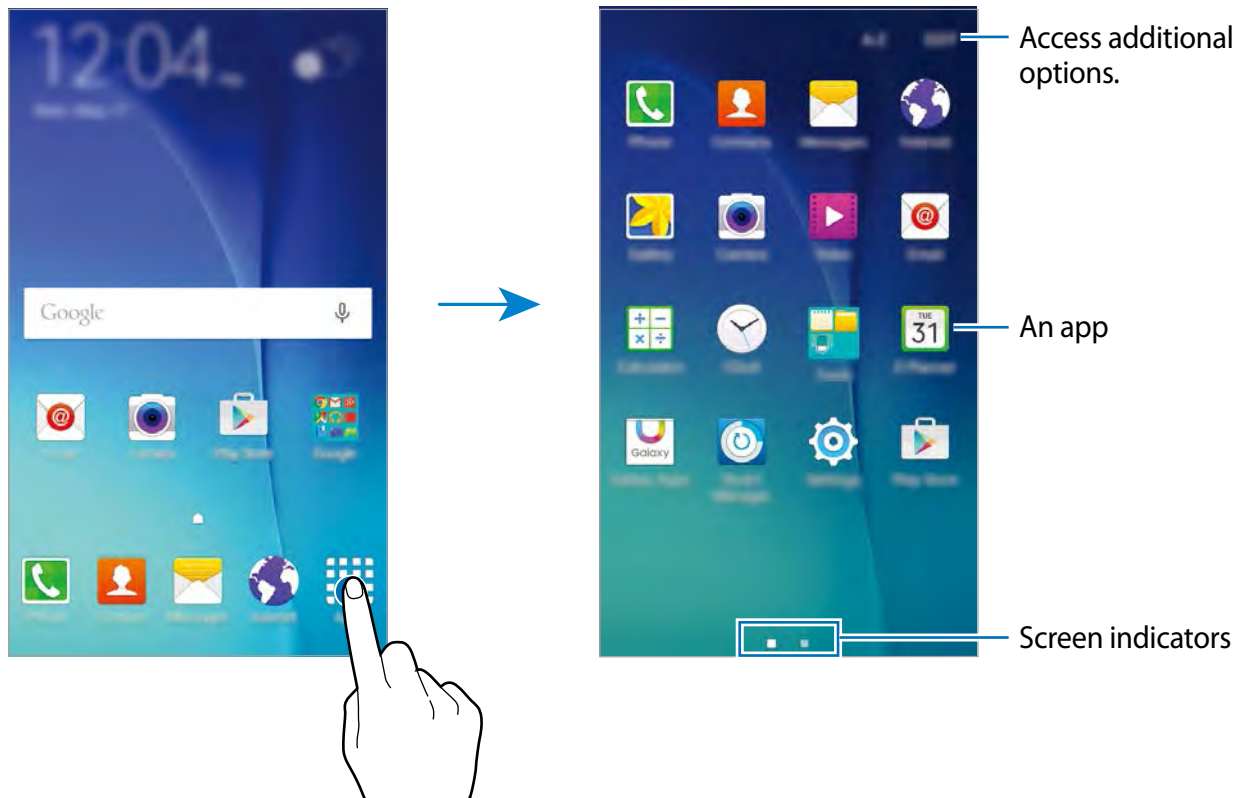
On the Home screen, tap and hold an empty area, or pinch your fingers together to access the available options.



## 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, scroll left or right, or select a screen indicator at the bottom of the screen. To customize the Apps screen, refer to [Managing the Apps screen](#).



## 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
	Synced with the web
	Connected to computer
	No SIM or USIM card
	New text or multimedia message
	Alarm activated
	Mute mode activated
	Vibration mode activated

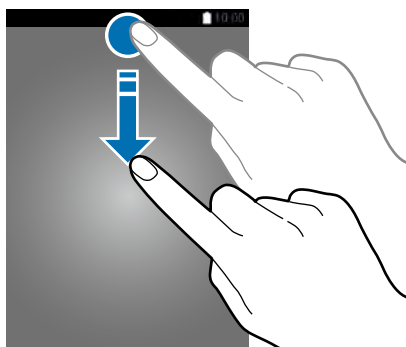
Icon	Meaning
✈	Flight mode activated
⚠	Error occurred or caution required
🔋	Battery power level

## Notifications panel

### Using the notifications panel

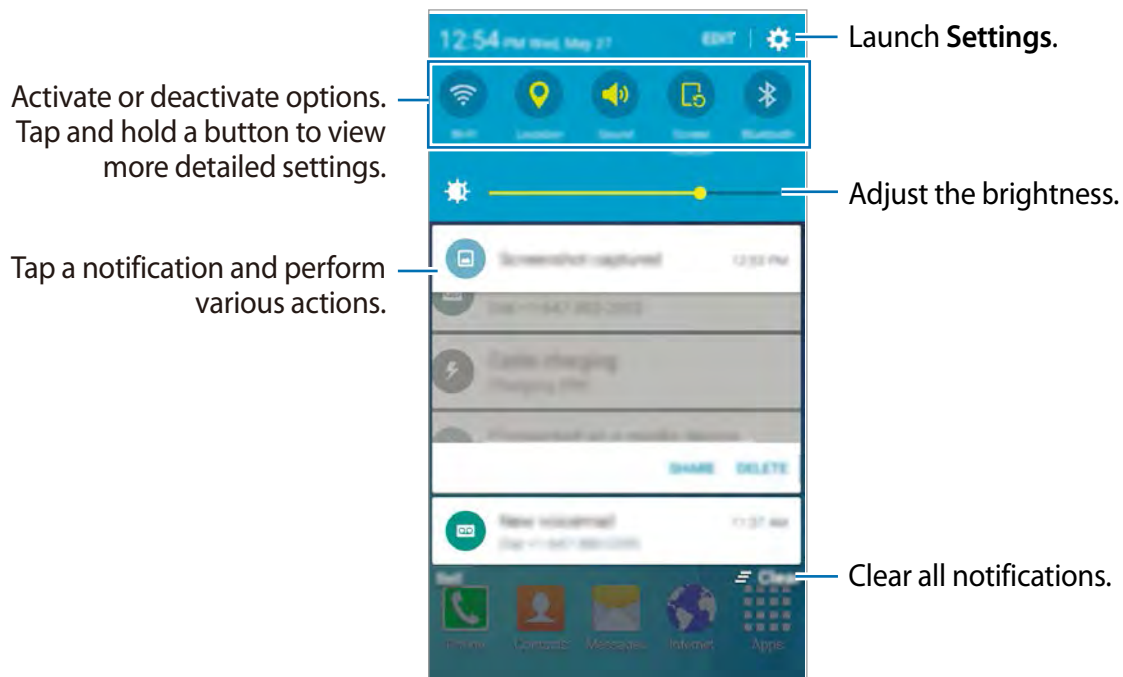
When you receive new notifications, such as messages or missed calls, indicator icons appear on the status bar. To see more information about the icons, open the notifications panel and view the details.

To open the notifications panel, drag the status bar downwards. To close the notifications panel, drag the bar from the bottom of the screen upwards.





You can use the following functions on the notifications panel.



## Using the quick setting buttons

You can activate or deactivate some features on the notifications panel. Tap the following options to activate or deactivate them. You can view more detailed settings if you tap and hold a button. Not all available buttons are displayed in the notifications panel; to change which buttons are displayed, tap **EDIT** and drag buttons in and out of the panel.

- **Wi-Fi:** Refer to [Wi-Fi](#) for more information.
- **Location:** Let Google's location service help apps find your location quickly and accurately.
- **Sound / Vibrate / Mute:** Select a sound mode.
- **Screen rotation:** Allow or prevent the interface from rotating when you rotate the device.




Some apps do not allow screen rotation.

- **Bluetooth:** Refer to [Bluetooth](#) for more information.
- **Power saving:** Enable Power Saving mode.
- **Flight mode:** Refer to [Flight mode](#) for more information.



- **Do not disturb:** Change settings for managing interruptions.
- **Torch:** Turn on the flash.
- **U. power saving:** Refer to [Ultra power saving mode](#) for more information.
- **Mobile hotspot:** Refer to [Mobile hotspot and tethering](#) for more information.
- **Screen Mirroring:** Connect your device to a large screen using an AllShare Cast dongle or HomeSync and then share your contents.
- **NFC:** Refer to [NFC and payment](#) for more information.
- **Sync:** When you activate this feature, the device automatically syncs apps, such as calendar or email.

## Opening apps

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

To open the list of recently-used apps, tap  and select an app icon to open.

### Closing an app

Tap  and drag an app icon to the left or right to close it. To close all running apps, tap  → **CLOSE ALL**.

## Installing or uninstalling apps

### Samsung GALAXY Apps

Use this app to purchase and download apps.

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 button that shows the app's price.



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

## Play Store

Use this app to 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

To disable default apps, open the Apps screen and tap **EDIT**. ⓧ appears on the apps that you can disable or uninstall. Select an app to disable and tap **DISABLE** → **DONE**.

To uninstall downloaded apps, open the Apps screen and tap **EDIT**. ⓧ appears on the apps that you can disable or uninstall. Select an app to uninstall and tap **OK** → **DONE**.

## Enabling apps

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



- Disabling apps: Disable selected default apps that cannot be uninstalled from the device. You cannot use disabled apps.
- Uninstalling apps: Uninstall downloaded apps.

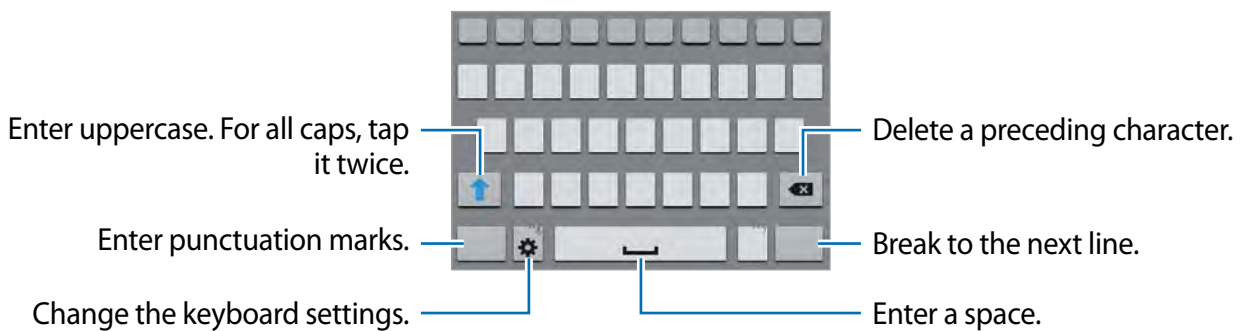
## Entering text

### 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  → **Select input languages**, and then select the languages to use. If you select two or more languages, you can switch between the input languages by sliding the space key left or right.



## Changing the keyboard layout


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

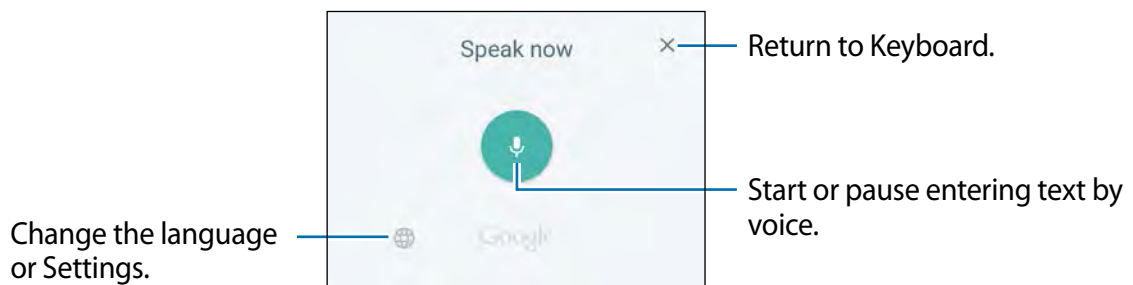




On **3x4 keyboard**, a key has three or four characters. To enter a character, tap the corresponding key repeatedly until the desired character appears.

## Using additional keyboard functions

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

-  : Enter text by voice.







-  : Add an item from the clipboard.
-  : Change the keyboard settings.

## Changing the keyboard type

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

If default keyboards do not appear in the list of available keyboards or you install new keyboards, open the Apps screen, tap **Settings** → **Language and input**, and then tick a keyboard.

## Copying and pasting

- 1 Tap and hold on 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 Place the cursor 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 button and the Power button simultaneously. The image is saved in the **Gallery** → **Albums** → **Screenshots** area. After capturing a screenshot, you can edit the image and share it with others.



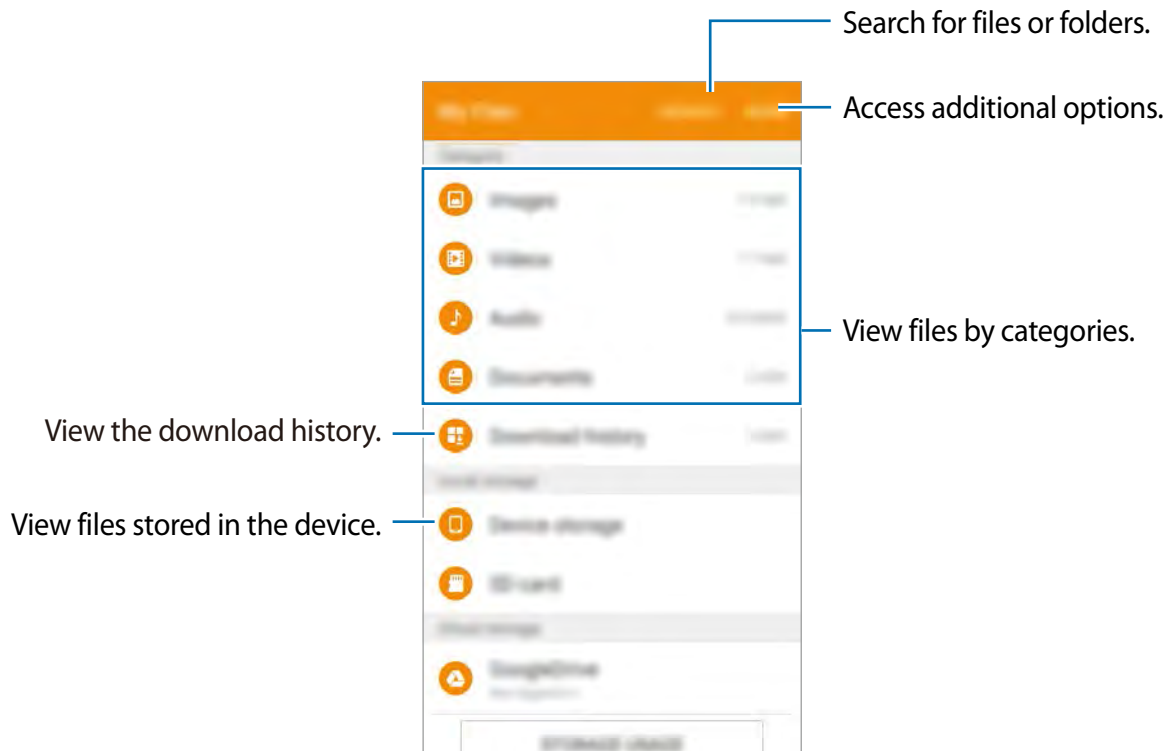
It is not possible to capture a screenshot while using some apps.

# My Files

## About My Files

Use this app to access various files stored in the device.

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



## Power saving feature

### Ultra power saving mode

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

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

To add an app to the Home screen, tap  and select an app.

To change the settings for ultra power saving mode, such as network connectivity or sound, tap **MORE** → **Settings**.

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



The estimated maximum standby time shows the time remaining before the battery power runs out if the device is not used. Standby time may vary depending on your device settings and operating conditions.



# Network connectivity

## Mobile data

Connect the device to a mobile network to use the Internet or share media files with other devices. Refer to [Data usage](#) for additional options.

On the Apps screen, tap **Settings** → **Data usage**, and then tick **Mobile data**.

## Wi-Fi

Connect the device to a Wi-Fi network to use the Internet or share media files with other devices. Refer to [Wi-Fi](#) for additional options.



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

- 1 On the Apps screen, tap **Settings** → **Wi-Fi**, and then tap the **Wi-Fi** 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**.

# Mobile hotspot and tethering

## About mobile hotspot and tethering


Use this feature to share the device's mobile data connection with computers and other devices if an Internet connection is unavailable. Connections can be made via Wi-Fi, USB, or Bluetooth.



You may incur additional charges when using this feature.


## 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 Apps screen, tap **Settings** → **Mobile hotspot and tethering** → **Mobile hotspot**.
- 2 Tap the **Mobile hotspot** switch to activate it.
  -  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.

## Using USB tethering

Share the device's mobile data connection with other devices via a USB cable.

- 1 On the Apps screen, tap **Settings** → **Mobile hotspot and tethering**.
- 2 Connect your device to the computer via the USB cable.
- 3 Tap the **USB tethering** switch to activate it.  
 appears on the status bar when the two devices are connected.
- 4 On the computer, use your device's mobile data connection.

# Personalizing

## Managing the Home and Apps screens

### Managing the Home screen

#### Adding items

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

To add widgets, open the Home screen, tap and hold an empty area, 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** that appears at the top of the screen.

#### Creating a folder

- 1 On the Home screen, tap and hold an app, and then drag it on top of another app and release to create a folder containing both apps.
- 2 To name the folder, tap **Enter a folder name** and enter the name.
- 3 To change the background colour, tap  and select a colour.

#### Deleting a folder

- To remove a folder, tap and hold the folder. Then, drag it to **Remove** that appears at the top of the screen..The folder and contents are removed from the Home screen.

## Managing panels

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

To add a panel, scroll left to the last panel, 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 .

## Managing the Apps screen

### Moving items

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.

To move an item to a new panel, drag it to **Create page** at the top of the screen.


### Restore Alphabetical sorting

To return the apps to alphabetical listing, tap **A-Z** on the Apps screen.

### Creating a folder

- 1 On the Apps screen, tap **EDIT**, tap and hold an app, and then drag it on top of another app and release to create a folder containing both apps.
- 2 To name the folder, tap **Enter a folder name** and enter the name.
- 3 To change the background colour, tap  and select a colour.

### Deleting a folder

- On the Apps screen, tap **EDIT**, tap  on the folder, then tap **REMOVE**. Apps inside the folder are added to the end of the apps screen.

## Setting wallpaper and ringtones

### Setting wallpaper

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

- 1 On the Home screen, tap and hold an empty area, and then tap **Wallpapers**. Alternatively, on the Apps screen, tap **Settings** → **Wallpaper**.
- 2 Select a screen to change or apply wallpaper to.
- 3 Swipe to the left or right and select from images displayed at the bottom of the screen. To select photos taken by the device's camera or other images, tap **From Gallery**.
- 4 Tap **SET AS WALLPAPER** or **DONE**.

### Changing ringtones

Change ringtones for incoming calls and notifications.

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

To set a ringtone for incoming calls, tap **Ringtones and sounds** → **Ringtone**, and select a ringtone. To use a song stored in the device or in your account as a ringtone, tap **Add ringtone**.

To set a ringtone for notifications, tap **Default notification sound and** select a sound.

## Changing the screen lock method

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.

## Transferring data from your previous device

### Using backup accounts

You can transfer backup data from your previous device to your new device using your Google account. Refer to [Backing up and restoring data](#) for more information.

### Using Samsung Smart Switch

You can transfer data of the previous device to a new device via Smart Switch. Visit [www.samsung.com/smartswitch](http://www.samsung.com/smartswitch) for more information.



Samsung Smart Switch is not supported on some devices or computers.

### Using Smart Switch with computers

Use this feature to import a backup of your data (from selected manufacturer's mobile devices) from a computer to your device. You can download the app from [www.samsung.com/smartswitch](http://www.samsung.com/smartswitch).

- 1 Back up data from a previous device to the computer. For more information, contact the device's manufacturer.
- 2 On the computer, launch Smart Switch.
- 3 Connect your current device to the computer using the USB cable.
- 4 On the computer, click the manufacturer of the previous device and follow the on-screen instructions to transfer data to your device.



## Setting up accounts

### Adding accounts

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

On the Apps screen, tap **Settings** → **Accounts** → **Add account** and select an account service. Then, follow the on-screen instructions to complete the account setup.

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



### Removing accounts

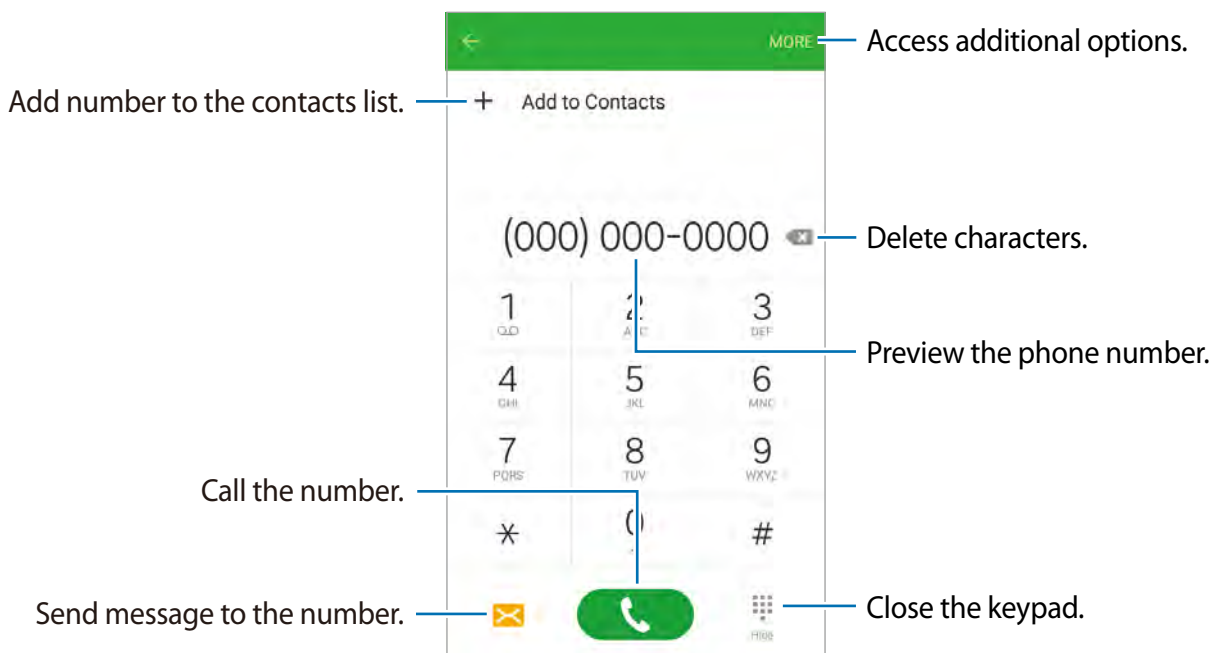
On the Apps screen, tap **Settings** → **Accounts**, select an account type, select account name, and then tap **MORE** → **Remove account**.

# Phone

## Making calls

Tap **Phone** on the Apps screen.

Tap , enter a phone number, and then tap  to make a voice call. You can also make calls to phone numbers listed in **Logs**, **Favourites**, and **Contacts**.




## Making calls from call log or contacts list

Tap **Phone** on the Apps screen, tap **LOG** or **CONTACTS**, select a contact or a phone number, and then tap  or .

## Making an international call


Tap .

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


To block outgoing international calls, tap **MORE** → **Settings** → **Call** → **More settings** → **Call barring**. Then, tap **International calls**, tap the switch to activate it, enter password, and then tap **OK**.

## Receiving calls


### Answering a call

When a call comes in, drag  in any direction.


### Rejecting a call

When a call comes in, drag  in any direction.

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** → **Rejection messages**. Enter a message and tap .

### Missed calls

If a call is missed,  appears on the status bar. Open the notifications 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:** Open 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.

# Contacts

## Adding contacts




### Moving contacts from other devices

You can move contacts from other devices to your device. Refer to [Transferring data from your previous device](#) for more information.

### Creating contacts manually

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

2 Tap  and enter contact information.

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

3 Tap **SAVE**.

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

## Importing and exporting contacts

Import contacts from storage services to your device or export contacts from the device to storage services.

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

Tap **MORE** → **Settings** → **Import/export contacts**, and then select an import or export option.

## Searching for contacts

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

Use one of the following search methods:

- Scroll up or down the contacts list.
- 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.

## Adding shortcuts for contacts to the Home screen

Add shortcuts to contacts that you frequently communicate with on the Home screen.

- 1 On the Apps screen, tap **Contacts** → **Contacts**.
- 2 Select a contact.
- 3 Tap **MORE** → **Add shortcut on home screen**.

# Messages & email


## Messages

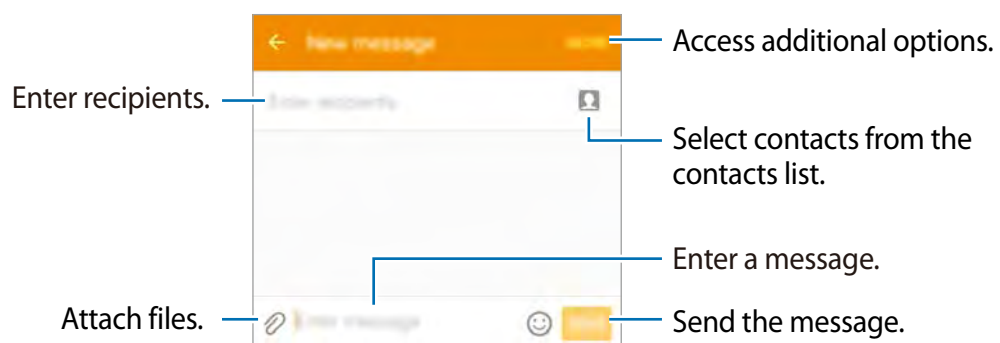
### Sending messages

Send text messages (SMS) or multimedia messages (MMS) and view messages by conversation.



You may incur additional charges for sending or receiving 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 incoming messages

Incoming messages are grouped into message threads by contact. Select a contact to view the person's messages.



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

While viewing a message, tap **MORE** to view more options.

## Email

### Setting up email accounts

Tap **Email** on the Apps screen.

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

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

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

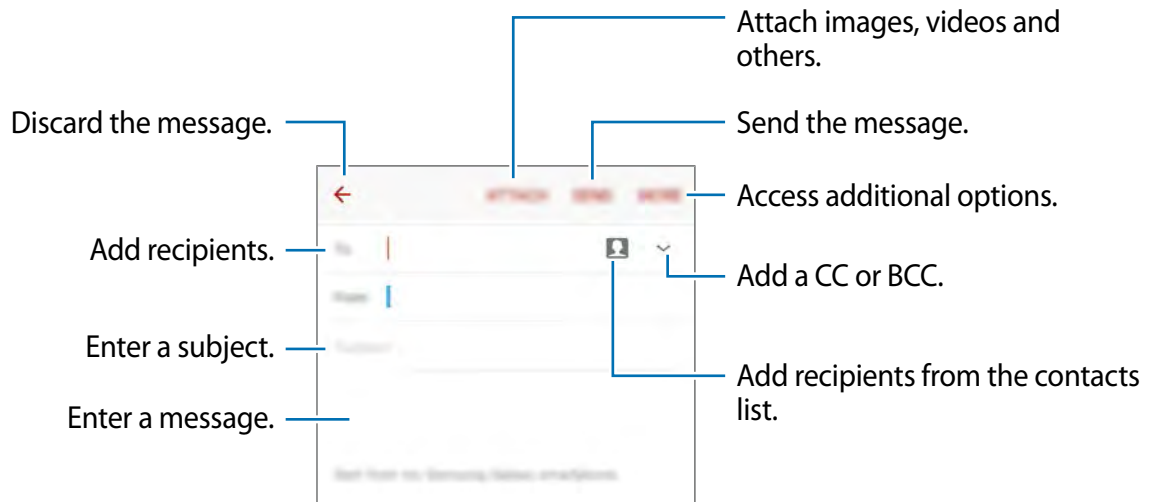
If you have more than one email account, you can set one as the default account. Tap **MORE** → **Settings** → **MORE** → **Set default account**, select an account, and then tap **DONE**.



## Sending emails

Tap **Email** on the Apps screen.

Tap  at the bottom of the screen to compose a message.

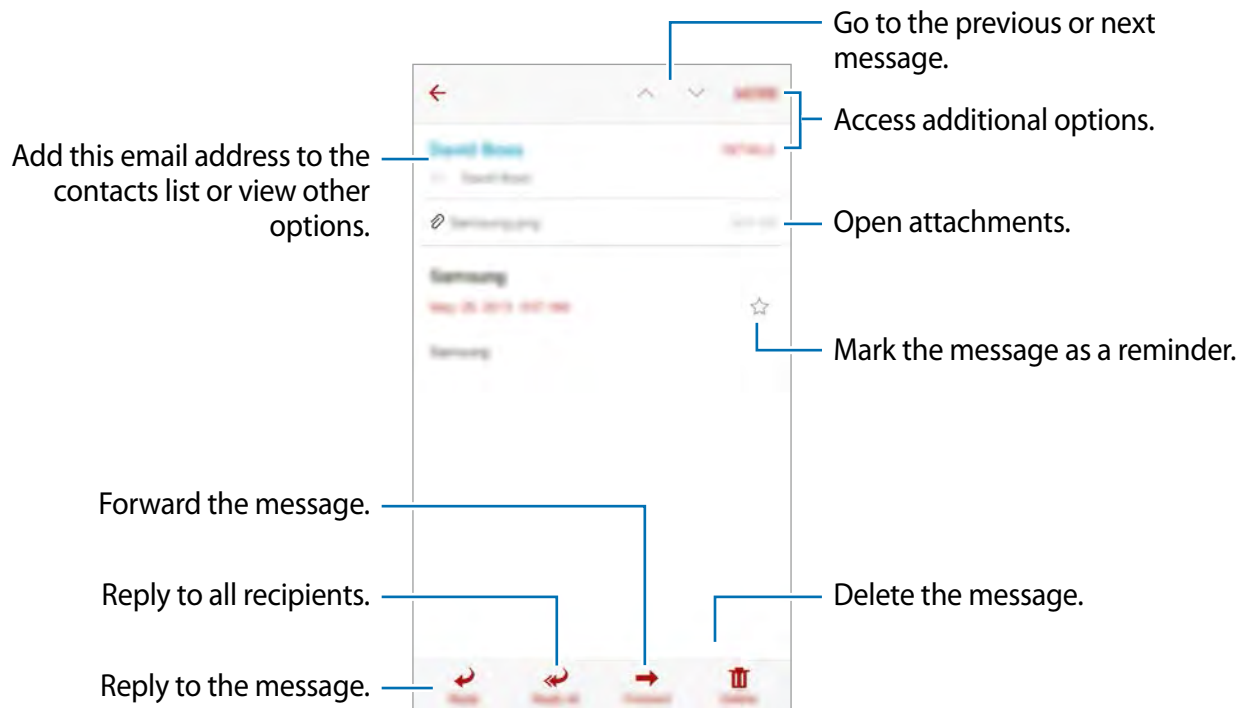


## Reading emails

Tap **Email** on the Apps screen.

Tap ▼, select an email account to use, and new messages are retrieved.




Tap a message to read.

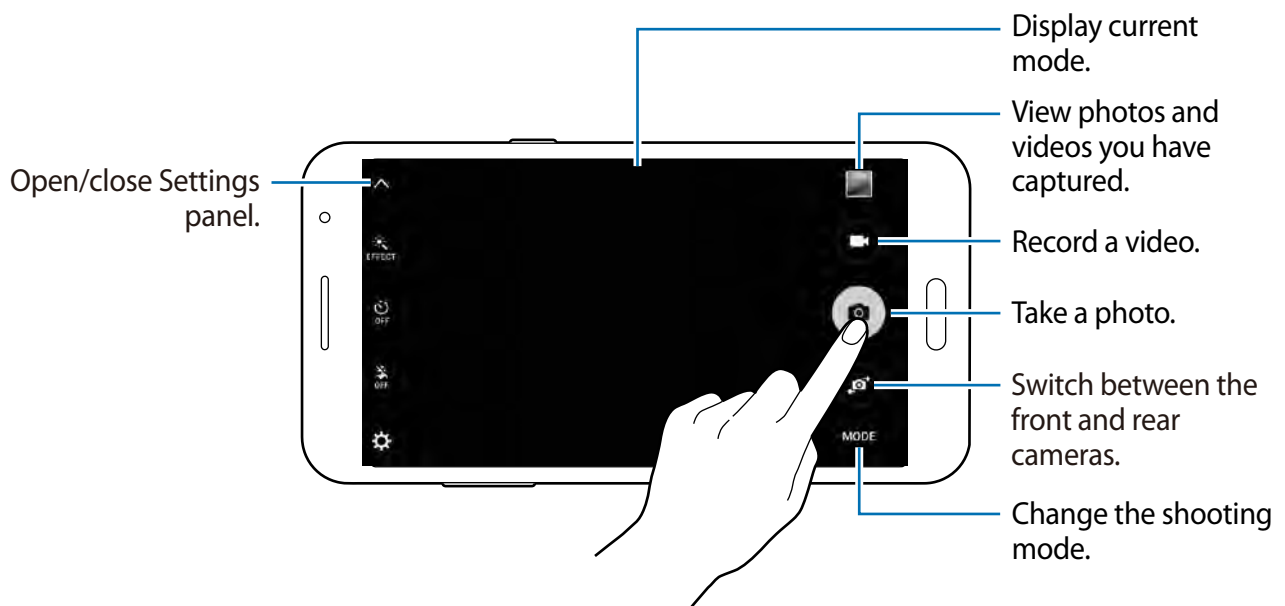


# Camera

## Basic shooting

### Taking photos or recording videos

- 1 Tap **Camera** on the Apps screen.
- 2 Tap the image on the preview screen where the camera should focus.
- 3 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 .





- 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 lens is suitable for taking wide-angle photos. Minor distortion may occur in wide-angle photos and does not indicate device performance problems.

## Launching Camera on the locked screen

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

On the locked screen, drag  outside the large circle. If  is not shown, open the Apps screen, tap **Settings** → **Lock screen and security**, and then tick **Camera shortcut**.



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

## 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.

# Shooting modes


## Auto


Use this mode to allow the camera to evaluate the surroundings and determine the ideal mode for the photo.

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

- **WB**: Select an appropriate white balance, so images have a true-to-life colour range.
- **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.
- : Change the exposure value. This determines how much light the camera's sensor receives. For low-light situations, use a higher exposure.

## Panorama

Use this mode to take a photo composed of many photos strung together. The device identifies the photo with  in **Gallery**.

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



To get the best shot, 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.

## Continuous shot

Use this mode to take a series of photos of moving subjects.

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

Tap and hold  to take several photos continuously.

## Beauty face

Use this mode to take a photo with lightened faces for gentler images.


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

## Rear-cam selfie

Use this mode to allow the camera to detect and focus your face automatically when you take a self-portrait using the rear camera.

- 1 On the Apps screen, tap **Camera** → **MODE** → **Rear-cam selfie**.
- 2 Move the frame to the position where your face will appear and adjust the frame size.
- 3 Position the device so the rear camera is aimed at your face. When the face is detected, the device beeps. Then, the device automatically takes the photo after 2 seconds.

## Sound & shot

Use this mode to take a photo with a sound clip. The device identifies the photos with  in **Gallery**.

On the Apps screen, tap **Camera** → **MODE** → **Sound & shot**.

## Sports

Use this mode to take a photo of fast-moving subjects.

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

## HDR (Rich tone)

Use this mode to take photos with rich colours and reproduce details even in bright and dark areas.

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



Without effect



With effect

## Night

Use this mode to take a photo in low-light conditions, without using the flash.

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




## Animated GIF


Use this mode to create an animated photo from a series of photos.

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

## Camera settings

On the Apps screen, tap **Camera** and, if necessary, tap . The following options are available:

-  : Select a filter effect to use when taking photos or recording videos.
-  : Use this for delayed-time shots.
-  : Activate or deactivate the flash.

To access additional options, tap . Not all of the following options are available in both front and rear camera modes.

- **Picture size (rear) / Picture size (front):** Select a resolution. Higher resolutions result in higher quality photos, however they will take up more memory.
- **Video size (rear):** Select a resolution. Higher resolutions result in higher quality videos, however 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 as horizontally flipped:** 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:** Set the device to attach the location tag to the photo.



- To improve GPS signals, avoid shooting in locations where the signal may be obstructed, such as between buildings or in low-lying areas, or in poor weather conditions.
- When you share a photo with the location tag attached, the location information may be exposed to others.

- **Review pictures:** Review pictures immediately after you take them.
- **Voice control:** Set the device to take photos with voice commands.
- **Storage location:** Select the memory location for storage.
- **Volume keys function:** Set the device to use the Volume button to control the shutter or zoom function.
- **Reset settings:** Reset the camera settings.



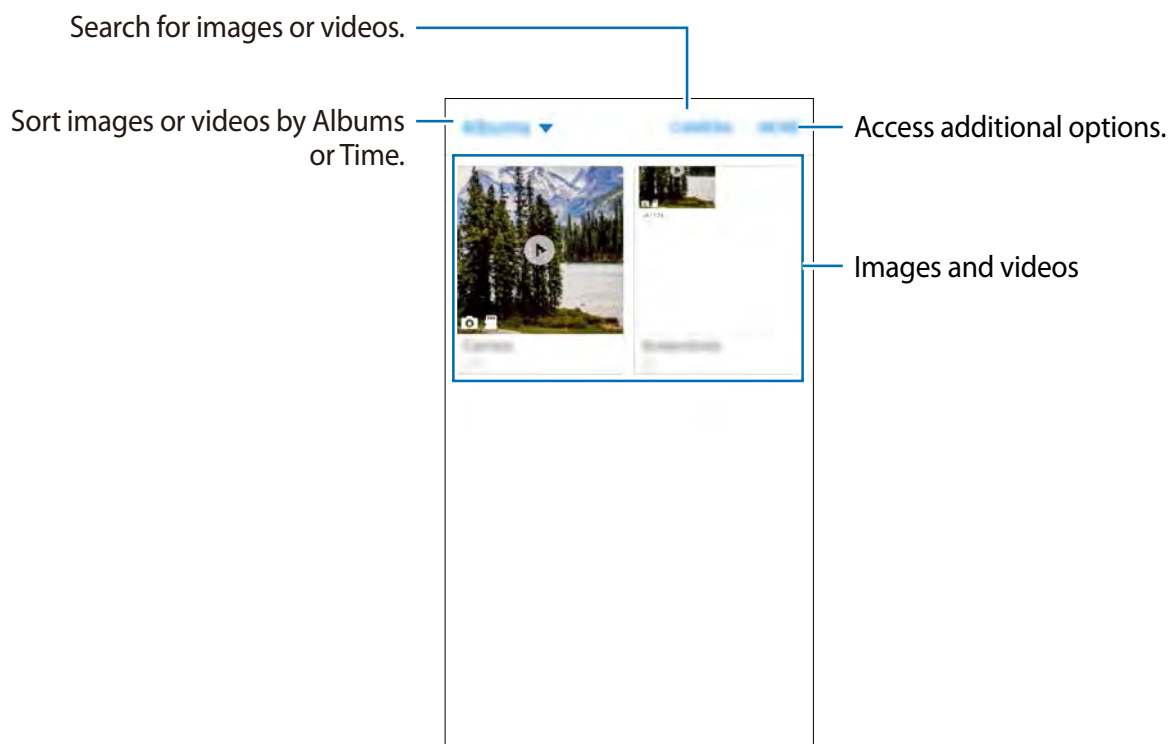
The available options vary depending on the mode used.



# Gallery

## Viewing content on the device

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



- 2 Select an image.

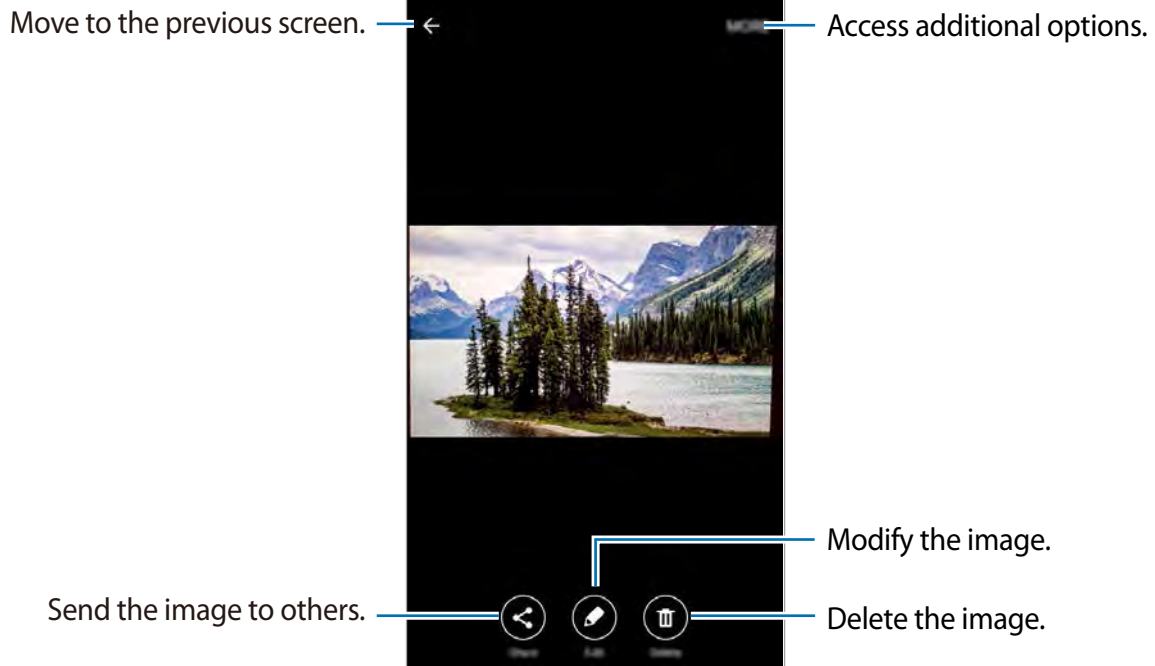
- Selecting multiple images:


When you tap and hold an image,  appears on the image. Then, tap images to select more.

- Selecting all images:

When you tap and hold an image,  appears on the image. Then, tap **All**.

To hide or show the menu bar and the preview thumbnails, tap the screen.



Video files show the  icon on the preview thumbnail.

## Editing photos

Edit images by applying various effects.

Tap **Gallery** on the Apps screen.



To use this feature, you need to download and install the required app.

While viewing an image, tap EDIT and use the following functions:

- **Crop:** Crop the image.
- **Photo Editor:** Edit the image. Tap the image to view the editing tools.
- **Collage:** Create a photo collage.

When you are finished editing the image, tap **SAVE**.



# Useful apps and features

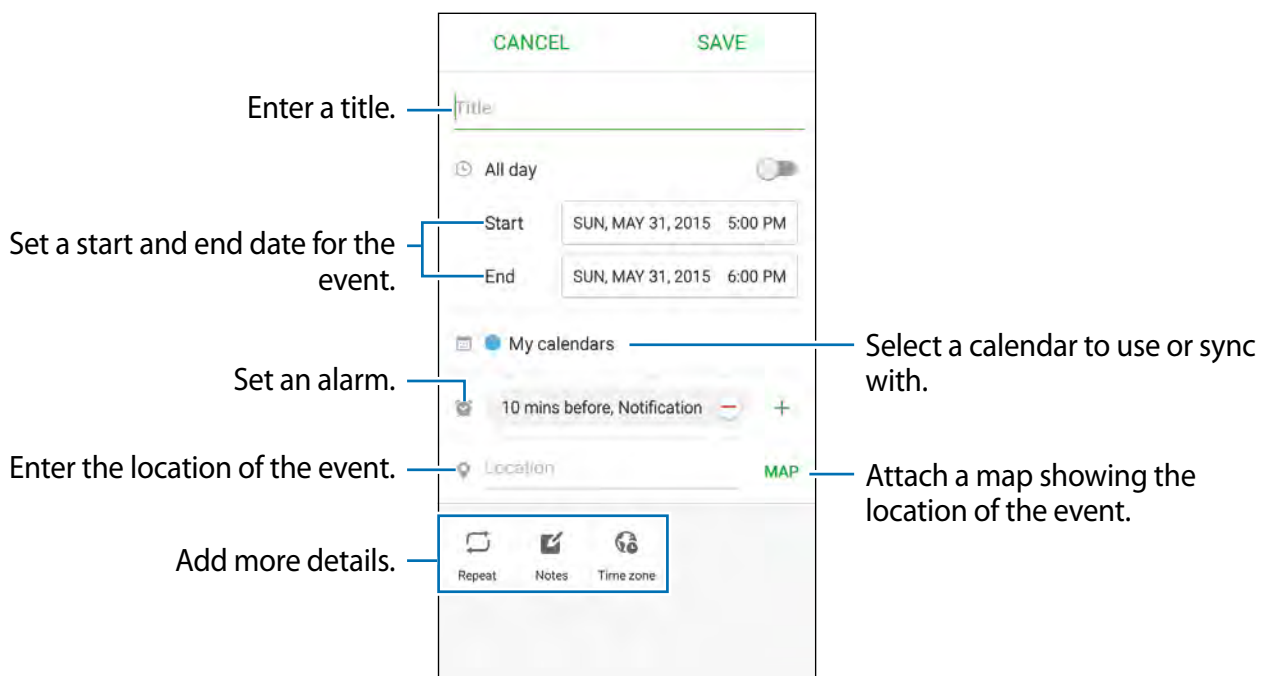
## S Planner

### 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.

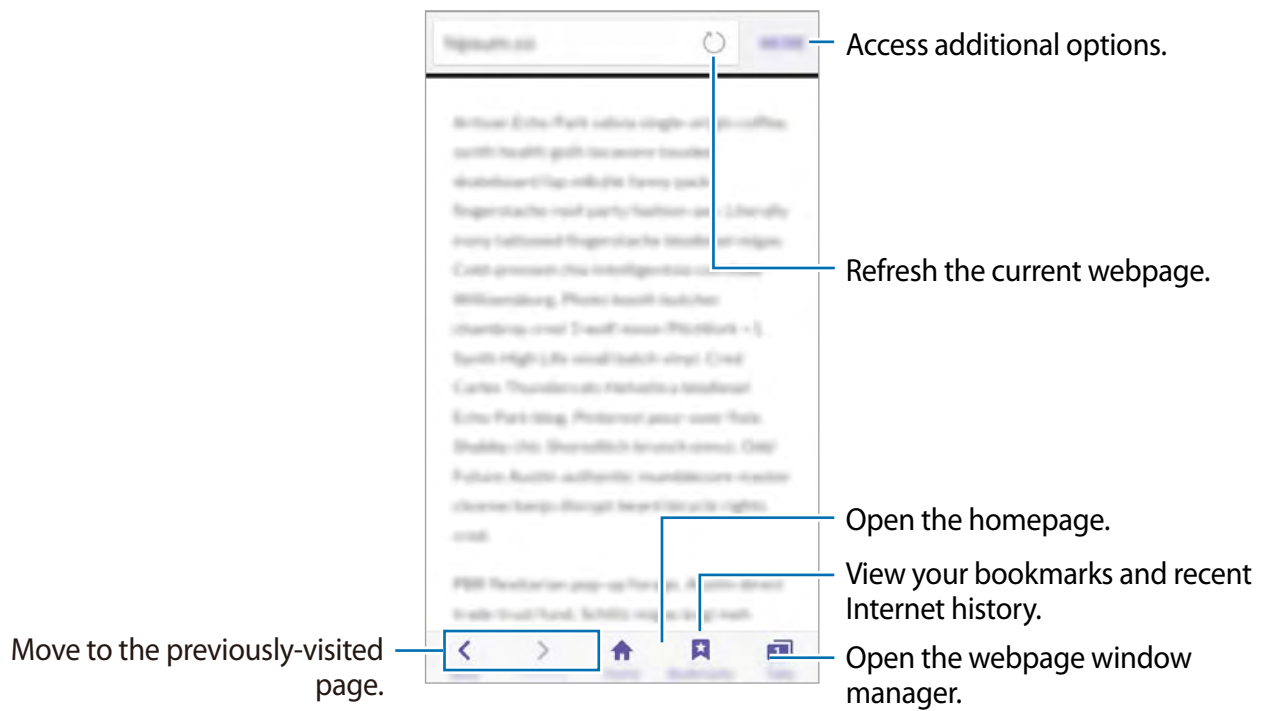
## Syncing events and tasks with your accounts

On the Apps screen, tap **Settings** → **Accounts**, select an account service and an account, 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.

## Internet

- 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.

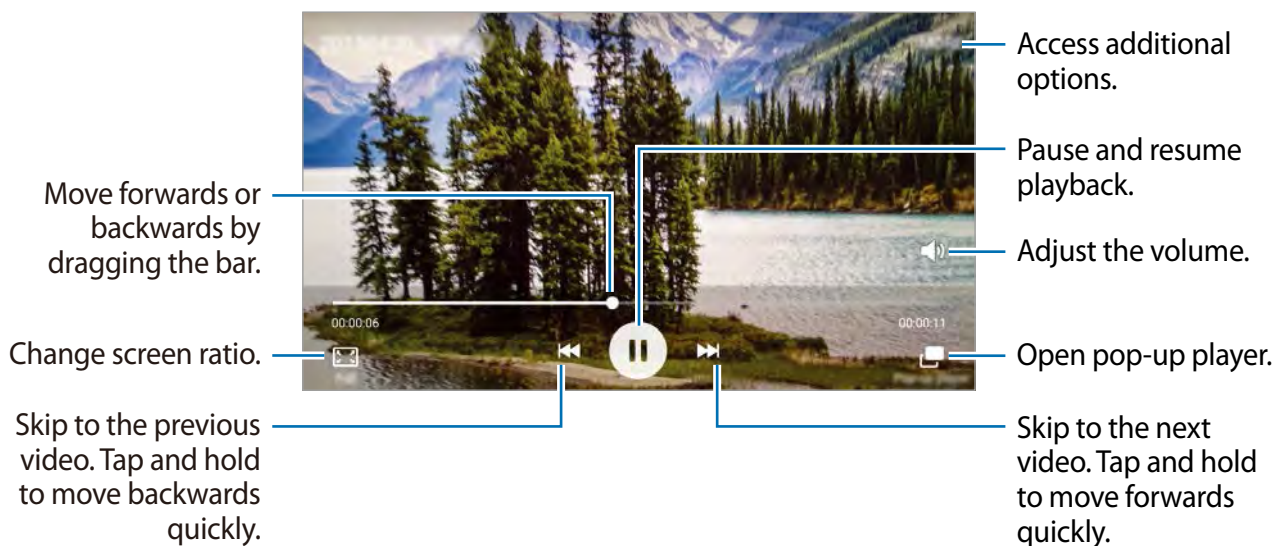


## Video

### Playing videos

Tap **Video** on the Apps screen.

Select a video to play.



## Calculator

Use this app for simple or complex calculations.

Tap **Calculator** on the Apps screen.

Rotate the device to landscape orientation to display the scientific calculator.



**Screen rotation** must be turned on in the Notifications panel.

## Clock

### 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 various 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.

## Memo

Use this app to create memos and organize them by category.

Tap **Memo** on the Apps screen.

### 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.




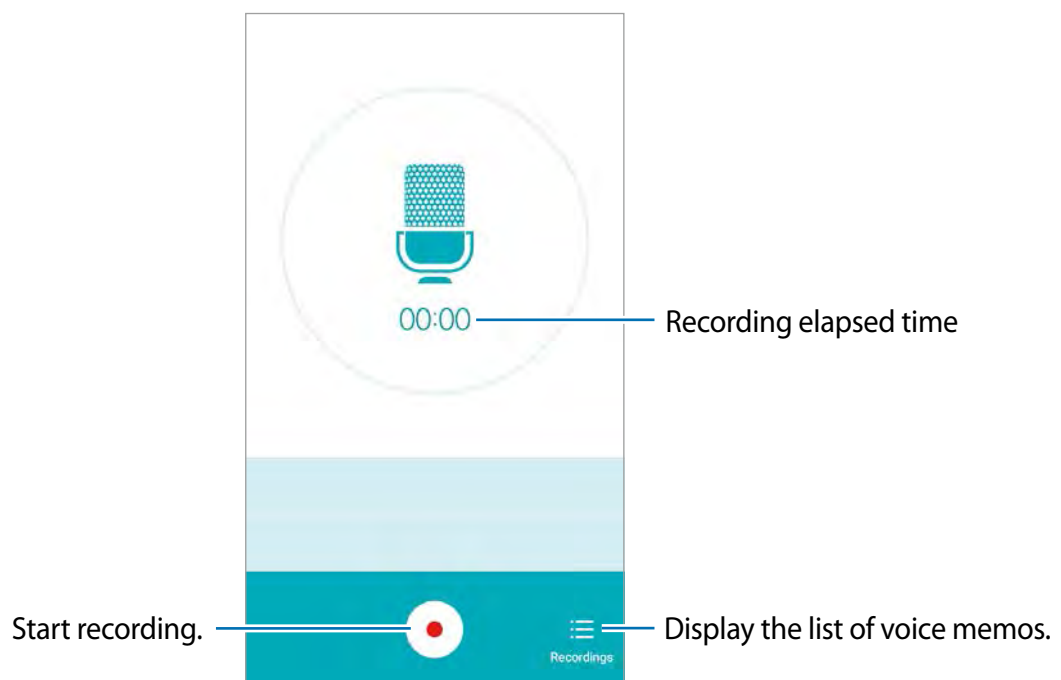
## Searching for memos

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

## Voice Recorder

### 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.

## Playing voice memos

- 1 On the Apps screen, tap **Tools** → **Voice Recorder**.
- 2 Tap **Recordings** and select a voice memo.

## Google apps

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

To view more app information, open the each app's main screen and tap **⋮** → **Help**.



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.

### Drive

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

### Gmail

Send or receive emails via the Google Mail service.

### Google

Search quickly for items on the Internet or your device.

### Google Settings

Configure settings for some features provided by Google.

### 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.

## Hangouts

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

## Maps

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

## Photos

Manage photos, albums, and videos that you have saved on the device and uploaded to **Google+**.

## Play Books

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

## Play Games

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

## Play Movies

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

## Play Music

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

## Play Newsstand

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

## Voice Search

Search quickly for items by saying a keyword or phrase.

## YouTube

Watch or create videos and share them with others.

# Connecting with other devices

## Bluetooth

### About Bluetooth

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



- Samsung is not responsible for the loss, interception, or misuse of data sent or received via 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 Apps screen, tap **Settings** → **Bluetooth**, tap the **Bluetooth** switch to activate it, and then tap **SCAN**.

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, turn on its visibility option.



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

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

## Sending and receiving data

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

### Sending an image

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

- 2 Select an image.

- 3 Tap **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, turn on its visibility option. Or, set your device as visible to other devices.

- 4 Accept the Bluetooth authorization request on the other device.

## Receiving an image

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

## Unpairing Bluetooth devices

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

## Wi-Fi Direct

### About Wi-Fi Direct

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


## Connecting to other devices

- 1 On the Apps screen, tap **Settings** → **Wi-Fi**, and then tap the **Wi-Fi** switch to activate it.
- 2 Tap **Wi-Fi Direct**.  
The detected devices are listed.
- 3 Select a device to connect to.
- 4 Accept the Wi-Fi Direct authorization request on the other device to confirm.

## 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.

### Sending an image

- 1 On the Apps screen, tap **Gallery**.
- 2 Select an image.
- 3 Tap  → **Wi-Fi Direct**, select a device to transfer the image to, and then tap **Done**.
- 4 Accept the Wi-Fi Direct authorization request on the other device.

### Receiving an image

When another device sends you an image, accept the Wi-Fi Direct authorization request. The received image is saved in the **Gallery** → **Download** folder.

## Ending the device connection

- 1 On the Apps screen, tap **Settings** → **Wi-Fi**.
- 2 Tap **Wi-Fi Direct**.  
The device displays the connected device.
- 3 Tap **Tap here to disconnect** to disconnect the devices.

## NFC and payment

### About NFC

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



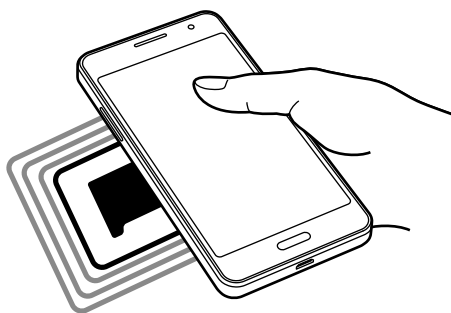
The battery contains a built-in NFC antenna. Handle the battery carefully to avoid damaging the NFC antenna.

### Using the NFC feature

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

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

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 Apps screen, tap **Settings** → **NFC and payment** → **NFC**, and then tap the **NFC** 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, tap **Settings** → **NFC and payment** → **Tap & pay** and select an app.



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

## Sending data

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

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

2 Tap **Android Beam** and tap the **Android Beam** switch to activate it.

3 Select an item and touch the other device's NFC antenna to your device's NFC antenna.

4 When **Touch to beam.** appears on the screen, tap your device's screen to send the item.

## Mobile printing

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.

On the Apps screen, tap **Settings** → **More connection settings** → **Printing** → **Download plug-in**, and search for a printer plug-in in **Play Store**. Select a printer plug-in and install it.

### Connecting to a printer

On the Apps screen, tap **Settings** → **More connection settings** → **Printing**, select a printer plug-in, and then tap the switch at the top right of the screen to activate it. The device searches for printers that are connected to the same Wi-Fi network as your device. Select a printer to use as the default printer.

To add printers manually, select a printer plug-in, tap **MORE** → **Add printer** → **ADD PRINTER**, enter details, and then tap **OK**.

To change print settings, select a printer plug-in and tap **MORE** → **Printing settings**.

### Printing content

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

# Device & data manager

## Upgrading the device

The device can be upgraded to the latest software.

### Upgrading over the air

The device can be directly upgraded 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.

### Upgrading with Samsung Kies

Download the latest version of Samsung Kies from the Samsung website. Launch Samsung Kies and connect the device to the computer. Samsung Kies automatically recognizes the device and shows available updates in a dialogue box, if any. Click the Update button in the dialogue box to start upgrading. Refer to the Samsung Kies help for more information about how to upgrade.



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

## Transferring files between the device and a computer

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.



- Do not disconnect the device from the computer when you play files saved in the device on the connected computer. After you finish playing the file, disconnect the device from the computer.
- The devices may not connect properly if they are connected via a USB hub. Directly connect the device to the computer's USB port.

### Connecting as a media device

- 1 Connect the device to the computer using the USB cable.
- 2 Open the notifications panel, and then tap **Connected as a media device** → **Media device (MTP)**.  
Tap **Camera (PTP)** if your computer does not support Media Transfer Protocol (MTP) or not have any appropriate driver installed.
- 3 Transfer files between your device and the computer.

### Connecting with Samsung Kies

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

- 1 Connect the device to the computer using the USB cable.  
Samsung Kies launches on the computer automatically. If Samsung Kies does not launch, double-click the Samsung Kies icon on the computer.
- 2 Transfer files between your device and the computer.  
Refer to the Samsung Kies help for more information.

## 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.

- 1 Tap **Settings** on the Apps screen.
- 2 Tap **Backup and reset** and tick **Back up my data**.
- 3 Tap **Backup account** and select an account as the backup account.



To restore data, you must sign in to your Google account via the setup wizard. You can launch and open the setup wizard by performing a factory data reset on the device. If you do not sign in to your Google account via the setup wizard, you cannot restore the backup data.

## 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.

# Settings

## About Settings

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

Tap **Settings** on the Apps screen.

## Connections

### Wi-Fi

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

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

To use options, tap **MORE**.

- **Add network:** Manually add an available network.
- **WPS push button:** Connect to a secured Wi-Fi network with a WPS button.
- **WPS PIN entry:** Connect to a secured Wi-Fi network with a WPS PIN.
- **Smart network switch:** Automatically connect to mobile network when the Wi-Fi connection is unstable.
- **Advanced:** Customize Wi-Fi settings.

### Setting Wi-Fi sleep policy

Tap  → **Advanced** → **Keep Wi-Fi on during sleep**.



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

## Wi-Fi Direct

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

Tap **Wi-Fi Direct**.

## Bluetooth

Activate the Bluetooth feature to exchange information over short distances.

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

## 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. Refer to [Mobile hotspot and tethering](#) for more information.

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

- **Mobile hotspot:** Use the mobile hotspot to share the device's mobile data connection with computers or other devices through the Wi-Fi network. You can use this feature when the network connection is not available.
- **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.

## 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.
- **Data usage cycle:** Set a monthly reset date to monitor data usage between periods.

To use more options, tap **MORE**.

- **Restrict background data:** Set the device to disable sync in the background while using a mobile network.
- **Show Wi-Fi usage:** Set the device to show your data usage via Wi-Fi.
- **Restrict networks:** Select mobile hotspots to prevent apps that are running in the background from using them.

## 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

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.

On the Settings screen, tap **NFC and payment**.

- **NFC:** Tap the **NFC** switch to activate it.
- **Tap and pay:** Set the default payment app for mobile payments.



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



## More connection settings

Customize settings to control networks.

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

### Printing

Download a printer app to print files.

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

### VPN

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

### Default messaging app

Select the default app to use for messaging.

## DEVICE

## 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:** Change settings for managing interruptions.
- **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.

## 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.
- **Daydream:** Set the device to launch a screensaver when the device is charging or connected to a desktop dock.

## 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.

- **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.

## 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 settings for using apps.
- **Application settings:** Customize the settings for each app.

## Personal

### Wallpaper

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

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

### Location

Change settings for location information permissions.

On the Settings screen, tap **Location**, and then tap the **Location** switch to activate it.

- **Locating method:** Select a method to collect your location data.
- **Recent location requests:** View which apps request your current location information and their battery usage.
- **Location services:** View the location services your device is using.

### Lock screen and security

Change settings for the locked screen.

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

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:** Scan for and remove malware from the device. You can also activate the real-time scanning feature to block phishing attacks and malicious websites.
- **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](https://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.

## Easy mode

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

On the Settings screen, tap **Easy mode**.

- **Standard mode:** Set the device to standard mode.
- **Easy mode:** Set the device to easy mode.
- **Easy Applications:** Select apps to apply simpler layouts.

## Accessibility

Use this feature to improve accessibility to the device. Refer to [Accessibility](#) for more information.

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

## Accounts

Add email or SNS accounts.

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

## Backup and reset

Change the settings for managing settings and data.

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

- **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 restore settings and app data when the apps are reinstalled on the device.
- **Factory data reset:** Reset settings to the factory default values and delete all data.

## SYSTEM

### 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



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

- **English(US):** Select a default keyboard layout.
- **Select input languages:** Select languages for text input.
- **Predictive text:** Activate predictive text mode to predict words based on your input and show word suggestions. You can also customize the word prediction settings.
- **Auto replace:** Set the device to correct misspelled and incomplete words by tapping the space bar or punctuation mark.
- **Auto check spelling:** Indicate spelling errors with red lines as you type.
- **Text shortcuts:** Create shortcuts for frequently used phrases, for example company name is entered when you type the initials.
- **Auto capitalize:** Set the device to automatically capitalize the first character after a final punctuation mark, such as a full stop, question mark, or exclamation mark.
- **Auto spacing:** Set the device to automatically insert a space between words.
- **Auto punctuate:** Set the device to insert a full stop when you double-tap the space bar.

- **Keyboard swipe:**
  - **None:** Set the device to deactivate the keyboard swipe feature.
  - **Continuous input:** Set the device to enter text by sweeping on the keyboard.
  - **Cursor control:** Move the text cursor by sweeping on the keyboard.
- **Sound:** Set the device to sound when a key is touched.
- **Vibration:** Set the device to vibrate when a key is touched.
- **Character preview:** Set the device to display a large image of each character tapped.
- **Adjust keyboard size:** Change the size of the keyboard by dragging the handle up or down.
- **Reset settings:** Reset Samsung keyboard settings.

## Google voice typing

- **Language:** Select a language for voice recognition.
- **“Ok Google” Detection:** Set the device to begin voice recognition when you say the wake-up command while using the search app.




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

- **Speech output:** Set the device to provide voice feedback to alert you to the current action.
- **Offline speech recognition:** Download and install language data for offline voice input.
- **Block offensive words:** Hide offensive words from voice search results.
- **Bluetooth headset:** Set the device to allow voice input of search keywords via the Bluetooth headset microphone when a Bluetooth headset is connected.

## Voice input

- **Enhanced Google services:** Select input languages for text input.
- **Basic Google recognition:** Simple voice recognition.

## Text-to-speech options

- **PREFERRED TTS ENGINE:** Select a speech synthesis engine. To change the settings for speech synthesis engines, tap .
- **Speech rate:** Select a speed for the text-to-speech feature.
- **Default language status:** View the status of the default language for the text-to-speech feature.

## Pointer speed

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

## Battery

View the amount of battery power consumed by your device, activate power-saving mode and change the settings for power-saving mode.

On the Settings screen, tap **Power saving**.

- **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.
- **Ultra power saving mode:** Extend standby time and reduce battery consumption by displaying a simpler layout and allowing limited access to an app.



The estimated maximum standby time shows the time remaining before the battery power runs out if the device is not used. Standby time may vary depending on your device settings and operating conditions.

- **Abnormal battery usage:** View a list of apps that are consuming an excessive amount of battery power.
- **MORE → Show/Hide battery percentage:** Set the device to display the percentage of the battery remaining on the status bar.

## Storage

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

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



Formatting a memory card permanently deletes all data from it.



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

## Date and time

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

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**.



# Accessibility

## About Accessibility

Improve accessibility with features that make the device easier to use for users who have impaired vision, hearing, and reduced dexterity.

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

## Using the Home key to open accessibility menus

On the Apps screen, tap **Settings** → **Accessibility** → **Direct access**, and then tap the switch to activate it. Then, select an accessibility menu to open when you press the Home key three times quickly.

You can access the following accessibility menus.

- Accessibility
- Voice Assistant
- Negative colours
- Interaction control

## Voice Assistant

### Activating or deactivating Voice Assistant

When you activate Voice Assistant, the device reads aloud the text on the screen or selected features when you tap it once.

On the Apps screen, tap **Settings** → **Accessibility** → **Vision** → **Voice Assistant**, and then tap the switch to activate it. The device will start voice feedback.

To deactivate Voice Assistant, tap the switch and tap anywhere on the screen twice quickly.

When you activate Voice Assistant for the first time, the tutorial will start after activation. You can replay it by tapping **Voice Assistant help**.



Some features are not available while you are using Voice Assistant.

### Controlling the screen with finger gestures

You can use various finger gestures to control the screen while you are using Voice Assistant.

#### One finger gestures

- Tapping: Read aloud the item under your finger. To explore the screen, place a finger on the screen and move it on the screen.
- Tapping twice: Open the selected item. While selected items are read aloud, when you hear the item you want, release your finger from the item. Then, tap anywhere on the screen twice quickly.
- Double-tapping and holding the screen: Move an item or access an available option.
- Swiping to the left: Move to the previous item.
- Swiping to the right: Move to the next item.
- Swiping upwards or downwards: Use the most recent contextual menu option or change its settings. In text selection mode, move the cursor backwards or forwards to select text.
- Swiping to the left then right in one motion: Scroll up the screen.
- Swiping to the right then left in one motion: Scroll down the screen.
- Swiping upwards then downwards in one motion: Move to the first item on the screen.
- Swiping downwards then upwards in one motion: Move to the last item on the screen.

## Two finger gestures

- Tapping: Pause or resume voice feedback.
- Tapping twice: Start, pause, or resume playback.
- Tapping three times: Check the current time, remaining battery power, and mode. To change items that are read aloud, open the Apps screen and tap **Settings** → **Accessibility** → **Vision** → **Voice Assistant** → **SETTINGS** → **Status bar information**.
- Double-tapping and holding the screen: Enable or disable text selection mode.
- Swiping to the left: Move to the next page. In text selection mode, cut the selected text.
- Swiping to the right: Return to the previous page. In text selection mode, paste the copied text.
- Swiping upwards: Scroll down the list. In text selection mode, copy the selected text.
- Swiping downwards: Scroll up the list. In text selection mode, select all text.
- Swiping in any direction on the locked screen: Unlock the screen.
- Swiping downwards from the top of the screen: Open the notification panel.

## Three finger gestures

- Tapping: Start reading items aloud from the top.
- Tapping twice: Start reading from the next item.
- Tapping three times: Read the last selected text and copy it to the clipboard.
- Swiping to the left or right: Open the contextual menu and scroll through the options.
- Swiping upwards or downwards: Change the text reading and selecting granularity.

## Using the contextual menu

While you are using Voice Assistant, swipe to the left or right with three fingers. The contextual menu will appear and the device will read the options aloud. Swipe to the left or right with three fingers to scroll through the options. When you hear the option you want, swipe upwards or downwards to use the option or adjust the settings for the option. For example, when you hear **Media Volume**, you can adjust the volume by swiping upwards or downwards.





## Adding image labels

You can assign labels to images on the screen. The device reads aloud the labels when the images are selected. Add labels to unlabeled images by tapping the screen twice with three fingers and holding.

## Configuring settings for Voice Assistant

Configure settings for Voice Assistant for your convenience.

On the Apps screen, tap **Settings** → **Accessibility** → **Vision** → **Voice Assistant** → **SETTINGS**.

- **Speech volume:** Select the volume level for voice feedback.
- **Speech rate:** Select a speed for voice feedback.
- **Pitch changes:** Set the device to read aloud text at a low pitch when it is entered using a keyboard.
- **Keyboard feedback:** Set the device to read aloud a word that you enter using a keyboard when you tap the space key.
- **Speak while screen off:** Set the device to provide voice feedback when the screen is turned off.
- **Use proximity sensor:** Set the device to pause voice feedback when you place your hand over the sensor at the top of the device.
- **Shake to continue reading:** Set the device to read aloud the text displayed on the screen when you shake the device. You can select from various shaking speeds.
- **Vibration feedback:** Set the device to vibrate when you explore the screen.
- **Sound feedback:** Set the device to emit a sound when you control the screen, such as scrolling the screen, and more.
- **Focus on speech audio:** Set the device to turn the media volume down when the device reads an item aloud.
- **Sound feedback volume:** Adjust the volume that sound is played when you touch the screen to control it. This feature is available when **Sound feedback** is activated.
- **Back/Recents key feedback:** Set the device to provide voice feedback when you tap  or  once. Tap  or  twice to activate them.
- **Manage customized labels:** Manage labels you added.
- **Status bar information:** Select items to read aloud when you tap the screen three times with two fingers.
- **Developer options:** Set options for app development.

## Using the device with the screen turned off

Set the device to turn the screen off at all times to keep the content on your screen private. The screen does not turn on when you press the Home key or tap the screen. Currently activated features do not turn off when the screen is off.

On the Apps screen, tap **Settings** → **Accessibility** → **Vision**, and then tap the **Dark screen** switch to activate it. You can activate or deactivate this feature by pressing the Power key twice.

## Reading passwords aloud

Set the device to read the password aloud when you enter the password while Voice Assistant is activated.

On the Apps screen, tap **Settings** → **Accessibility** → **Vision**, and then tap the **Speak passwords** switch to activate it.

## Setting text-to-speech features

Change the settings for text-to-speech features used when Voice Assistant is activated, such as languages, speed, and more.

On the Apps screen, tap **Settings** → **Accessibility** → **Vision** → **Text-to-speech options**, and then use the following functions:

- **Preferred TTS engine:** Select an engine for the text-to-speech feature.
- **Speech rate:** Adjust the speed for the text-to-speech feature.
- **Default language status:** View the status of the current language set for the text-to-speech feature.

## Entering text using the keyboard

To display the keyboard, tap the text input field, and then tap anywhere on the screen twice quickly.

When you touch the keyboard with your finger, the device reads aloud the character keys under your finger. When you hear the character you want, release your finger from the screen to select it. The character is entered and the device reads the text aloud.

If **Rapid key input** is not activated, release your finger from the character you want, and then tap anywhere on the screen twice quickly. To activate the rapid key input feature, open the Apps screen, tap **Settings** → **Accessibility** → **Vision**, and then tap the **Rapid key input** switch to activate it.

## Entering additional characters

Tap and hold a key on the keyboard to enter additional characters available for the key. A pop-up window appears above the key showing available characters. To select a character, drag your finger on the pop-up window until you hear the character you want, and release it.

## Vision

### Writing voice memos to voice labels

You can use voice labels to distinguish objects of similar shape by attaching labels to them. You can record and assign a voice memo to an NFC-enabled voice label. The voice memo is played back when you place your device near the label.




Turn on the NFC feature before using this feature.

- 1 On the Apps screen, tap **Settings** → **Accessibility** → **Vision** → **Voice Label**.

The voice recorder will launch.

- 2 Tap  to start recording. Speak into the microphone.

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

- 4 Hold the back of your device over the voice label.

The information in the voice recording will be written to the voice label.

### Changing the font size

Change the font size displayed on the screen. Setting the font size to **Huge** may not be available in some apps.

On the Apps screen, tap **Settings** → **Accessibility** → **Vision** → **Font size**.

## Magnifying the screen

Magnify the screen and zoom in on a specific area.

On the Apps screen, tap **Settings** → **Accessibility** → **Vision** → **Magnification gestures**, and then tap the switch to activate it.

- Zooming in and out: Quickly tap the screen three times to zoom in on a specific area. Quickly tap the screen three times again to return to the normal view.
- Exploring the screen by scrolling: Drag two or more fingers across the magnified screen.
- Adjusting zoom ratio: Pinch two or more fingers on the magnified screen or spread them apart.

You can also temporarily magnify the screen by tapping the screen three times and holding. While holding the screen, drag your finger to explore the screen. Release your finger to return to the normal view.



- Keyboards on the screen cannot be magnified.
- When this feature is activated, the performance of some apps, such as **Phone** and **Calculator**, may be affected.

## Reversing the display colours

Improve screen visibility to help users recognise text on the screen more easily.

On the Apps screen, tap **Settings** → **Accessibility** → **Vision**, and then tap the **Negative colours** switch to activate it.

## Colour correction

Adjust how colours are displayed on the screen if you have difficulty in distinguishing colours. The device changes the colours into more recognizable colours.

On the Apps screen, tap **Settings** → **Accessibility** → **Vision** → **Colour correction**, and then tap the switch to activate it. Follow the on-screen instructions to complete the colour adjustment procedure.

## Hearing

### Setting flash notification

Set the flash to blink when you have incoming calls, new messages, or notifications.

On the Apps screen, tap **Settings** → **Accessibility** → **Hearing**, and then tap the **Flash notification** switch to activate it.

### Turning off all sounds

Set the device to mute all device sounds, such as media sounds, and the caller's voice during a call.

On the Apps screen, tap **Settings** → **Accessibility** → **Hearing**, and then tap the **Turn off all sounds** switch to activate it.

## Hearing Aids

Improve the sound quality of your device when used with a hearing aid.

On the Apps screen, tap **Settings** → **Accessibility** → **Hearing** → **Hearing aids**, and then tap the switch to activate it.

### Caption settings

On the Apps screen, tap **Settings** → **Accessibility** → **Hearing** → **Samsung subtitles (CC)** or **Google subtitles (CC)**, and then tap the switch to activate it.

Select an option for configuring the caption settings.



## Adjusting the sound balance

Set the device to adjust the sound balance when using a headset.

- 1 Connect a headset to the device and wear it.
- 2 On the Apps screen, tap **Settings** → **Accessibility** → **Hearing** → **Left/right sound balance**.
- 3 Drag the adjustment bar to the left or right and adjust the sound balance, and then tap **SET**.

## Mono audio

Mono output combines stereo sound into one signal that is played through all headset speakers. Use this if you have a hearing impairment or if a single earbud is more convenient.

On the Apps screen, tap **Settings** → **Accessibility** → **Hearing**, and then tap the **Mono audio** switch to activate it.

## Dexterity and interaction

### Assistant menu

#### Displaying the assistive shortcut icon

Set the device to display the assistive shortcut icon for accessing apps, features, and settings. You can easily control the device by tapping the assistive menus in the icon.

- 1 On the Apps screen, tap **Settings** → **Accessibility** → **Dexterity and interaction** → **Assistant menu**.
- 2 Tap the switch to activate it.  
The assistive shortcut icon appears at the bottom right of the screen.
- 3 Tap **Dominant hand** to move the assistive shortcut icon to a convenient location.

## Accessing assistive menus








The assistive shortcut icon appears as a floating icon for easy access to the assistive menus from any screen.

When you tap the assistive shortcut icon, the icon expands slightly and the assistive menus appear on the icon. Tap the up or down arrow to move to other panels or swipe upwards or downwards to select other menus.

## Using the cursor

On the assistive menu, tap **Cursor**. You can control the screen using small finger movements on the touch area. Drag your finger on the touch area to move the cursor. Also, tap the screen to select items under the cursor.

Use the following options:

-  /  : Select an item or scroll left or right on the screen.
-  /  : Scroll up or down the screen.
-  : Magnify the area where the cursor is located.
-  : Move the touch area to another location.
-  : Close the touch area.

To change the cursor settings, open the Apps screen, tap **Settings** → **Accessibility** → **Dexterity and interaction** → **Assistant menu**. Then, customize settings in **Touchpad and cursor settings**.

## Using enhanced assistive menus

Set the device to display enhanced assistive menus for selected apps.

On the Apps screen, tap **Settings** → **Accessibility** → **Dexterity and interaction** → **Assistant menu** → **Assistant plus**, tap the switch to activate it, and then select apps.

## Setting tap and hold delay options

Set the recognition time for tapping and holding the screen.

On the Apps screen, tap **Settings** → **Accessibility** → **Dexterity and interaction** → **Tap and hold delay**, and then select an option.

## Interaction control

Activate interaction control mode to restrict the device's reaction to inputs while using apps.

- 1 On the Apps screen, tap **Settings** → **Accessibility** → **Dexterity and interaction** → **Interaction control**.
- 2 Tap the switch to activate it.
- 3 Press and hold the Home key and the Volume key down simultaneously while using an app.
- 4 Adjust the size of the frame or draw a line around an area that you want to restrict.
- 5 Tap **DONE**.  
The device displays the restricted area. The restricted area will not react when you touch it and the device's hard keys will be disabled.

To deactivate interaction control mode, press and hold the Home key and the Volume key down simultaneously.

## Direct access

You can access the following accessibility menus by pressing the Home button three times quickly.

- Accessibility
- TalkBack
- Negative colours
- Interaction control

On the Apps screen, tap **Settings** → **Accessibility** → **Direct access**, and then tap the **Direct access** switch to activate it. Then, select an accessibility menu to open when you press the Home button three times quickly.

If you select more than one menu, the device displays a pop-up window asking which menu to use each time you press the Home button three times quickly. To enable **Interaction control** on the accessibility menus, activate the feature. On the Apps screen, tap **Settings** → **Accessibility** → **Dexterity and interaction** → **Interaction control**, and then tap the **Interaction control** switch to activate it.

## Notification reminder

Set the device to alert you to notifications that you have not checked at the interval.

On the Apps screen, tap **Settings** → **Accessibility** → **Notification reminder**, and then tap the switch to activate it.

To set the device to vibrate when you have unchecked notifications, tap the **Vibrate** switch to activate it.

To set the device to turn on the LED indicator when you have unchecked notifications while the screen is turned off, tap the **LED indicator** switch to activate it.

To set an interval between alerts, tap **Reminder interval**.

To set apps to alert you to notifications, select apps under **Select applications**.

## Answering or ending calls

Change the method of answering or ending calls.

On the Apps screen, tap **Settings** → **Accessibility** → **Answering and ending calls**.

Select the desired method.

## Using single tap mode

When an alarm sounds or a call comes in, tap the button to stop the alarm or answer the call instead of dragging the button.

On the Apps screen, tap **Settings** → **Accessibility**, and then tap the **Single tap mode** switch to activate it.

## Managing accessibility settings

### Saving accessibility settings in a file

Export the current accessibility settings in a file.

On the Apps screen, tap **Settings** → **Accessibility** → **Manage accessibility** → **Import/Export** → **Export to My Files**.

## Importing an accessibility settings file

Import an accessibility settings file and update the current settings.

On the Apps screen, tap **Settings** → **Accessibility** → **Manage accessibility** → **Import/Export** → **Import from My Files**. Select a file to import and tap **DONE**. The accessibility settings will be updated according to the imported file.

## Sharing accessibility settings files

Share accessibility settings files with others via email, Wi-Fi Direct, Bluetooth, and more.

On the Apps screen, tap **Settings** → **Accessibility** → **Manage accessibility** → **Share via**. Then, select the accessibility files and tap **DONE**. Select a sharing method and follow the on-screen instructions to share the files.

# 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 touch screen responds slowly or improperly

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

## Your device freezes or has fatal errors

If your device freezes or hangs, you may need to close apps or turn off the device and turn it on again. If your device is frozen and unresponsive, press and hold the Power button and the Volume button 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 button or move to another area.

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

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

## **The battery icon is empty**

Your battery is low. 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](http://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.
- Ensure that you have Samsung Kies or Windows Media Player 10 or higher installed on your computer.

### Your device cannot find your current location

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

## **Data stored 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 refuelling 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, 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 travelling 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-G530W

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.